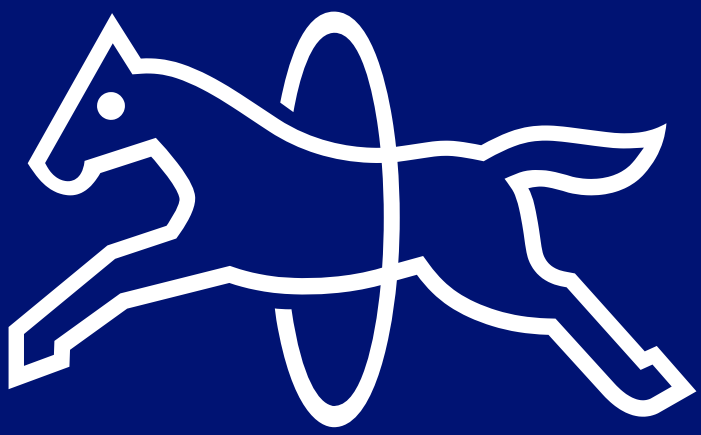
PFERD TOOLS

Tool Manual 2027

PFERD TOOLS

Innovative by Tradition

More modern, more global, more digital: Our new look shows how we are continuing to evolve for our customers. The claim “Innovative by Tradition” captures what sets us apart—a history of deep expertise combined with a relentless drive for innovation. Discover our newest cutting-edge products and solutions in this Tool Manual.



Understanding the Tool Manual

Discover our complete product range featuring over 7,200 products and solutions for material cutting and work on surfaces.

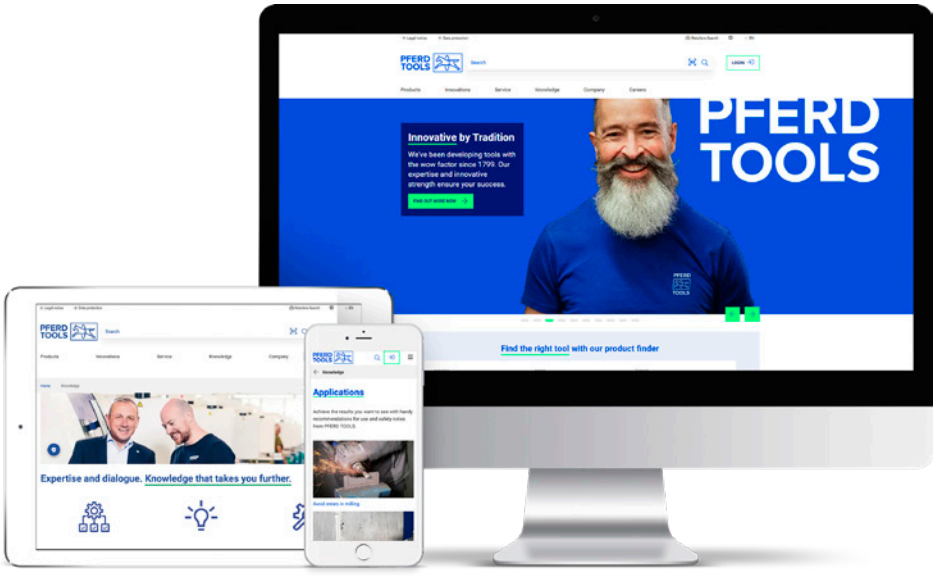
Finding the perfect product

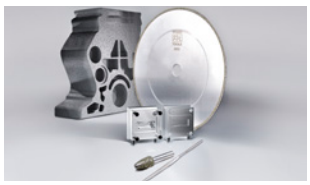
The ideal product is easy to find: Use the table of contents in each catalog section to find specific products. In the digital version of this Tool Manual, table of contents items are clickable, and clicking individual item numbers will take you directly to the product detail page on our website. Our website is also incredibly user-friendly with its search functionality and the homepage product finder.

New, special order, and discontinued products

Our new products have blue item numbers in the Tool Manual. Special order items are marked with an asterisk. Please login to your PFERD TOOLS SHOP account to view minimum order quantities and lead times for special order items, or reach out to our customer service team. Discontinued items are noted with *italicized* item numbers. You can find the complete overview of new products in the last section of the Tool Manual.

Stay up to date and discover our new products digitally online.



General information	PFERD TOOLS – About us Products Services	
Files	Chamfering Finishing Sharpening	
Milling, drilling, and holemaking products	Deburring Machining contours Cutting out holes Drilling	
Mounted points	Machining geometries Chamfering Cleaning	
Fine grinding and polishing products	Creating surfaces Leveling Polishing	
Diamond products	Filing Grinding Cutting	
Cut-off wheels, flap discs, and grinding wheels	Cutting Roughing Grinding	
Cut-off wheels for stationary applications	Cutting to size Cutting large cross sections Cutting rails	
Industrial power brushes	Deburring Cleaning weld seams Cleaning/derusting	
Power tools	Air grinders Flexible shaft drives RCK system	
New products in the Tool Manual	New items 2027	

PFERD TOOLS – Innovation and quality since 1799

PFERD TOOLS stands for high-quality, precise, and innovative products that set new industry standards. We have been developing solutions for work on surfaces as well as cutting and machining materials since 1799. Our vision? To enable our customers' success.

We are an independent, dynamic, and forward-thinking family-run company with a clear focus on driving sustainable growth. We always put your needs and the unique challenges you face at the heart of what we do.

Present in more than 100 countries and always accessible digitally, we are equipped with innovations, expertise, and a clear mission: To create added value—for our customers and your projects.

Our claim:
Innovative by Tradition – since 1799

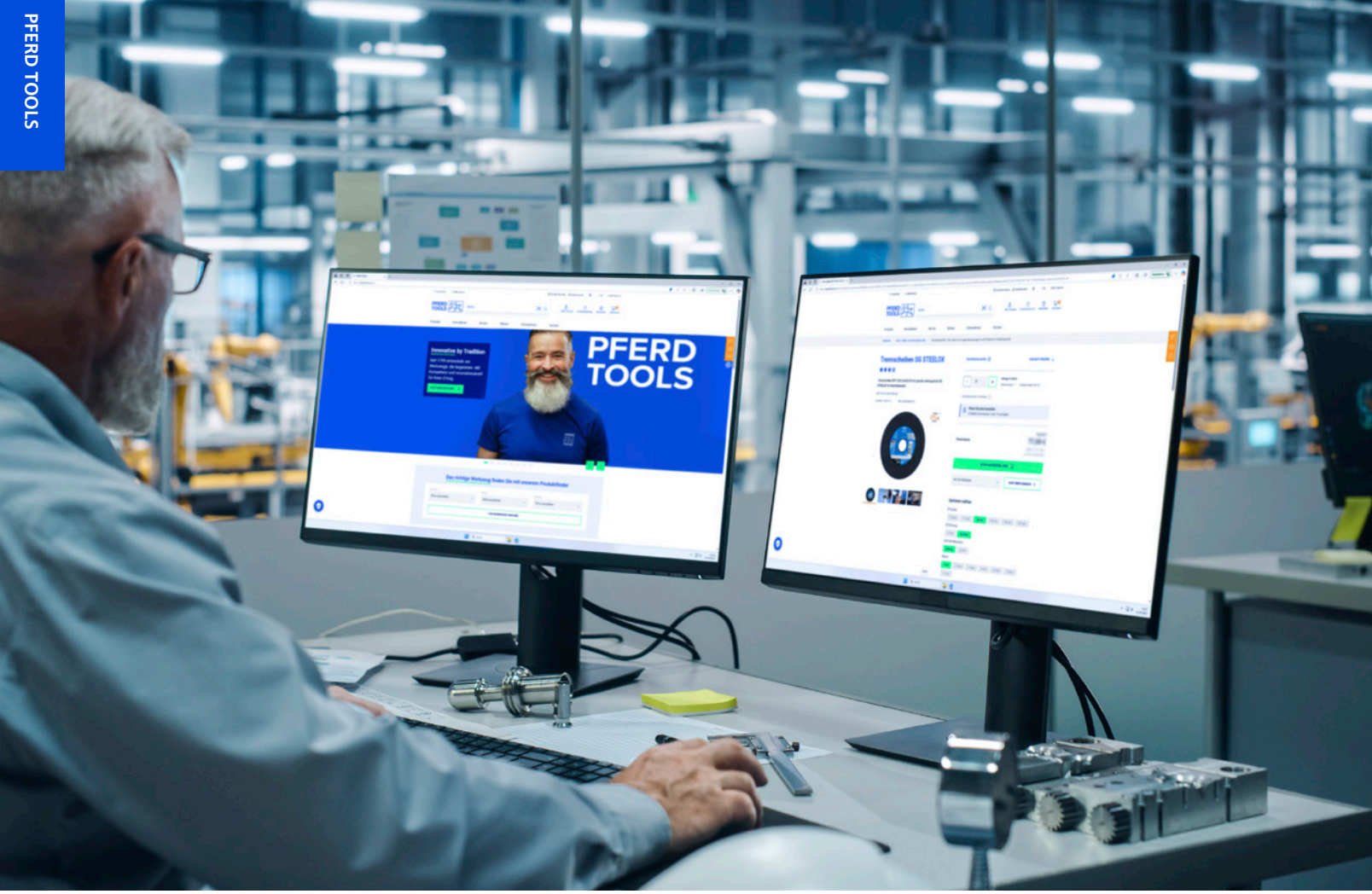
Our strength:
A leading, independent family-run company with over 225 years' experience and a global presence.

Our promise:
Premium quality – delivering the greatest benefits and measurable added value for our customers' productivity and success.

Our advantage:
Cost-effective application solutions for a range of industries. Reliable partnership, comprehensive advice, and first-class service worldwide.

Solutions with added value

With more than 225 years of experience, PFERD TOOLS is your reliable partner for collaboration based on trust. Our priority is our customers' success. This means that we create customized product solutions by taking a holistic approach to our customers' manufacturing processes. PFERD TOOLS' comprehensive range of premium tools delivers productivity and efficiency to every job site. Our enhanced focus on ergonomics in product development promotes workplace safety and better health for all users.



Your shop. Your solution. Your success.

The PFERD TOOLS SHOP is your 360° distributor portal for a simple, efficient, and personalized shopping experience.

Advantages at a glance

Everything is from a single source:
More than 7,200 products available

Simple selection:
Detailed product information and application knowledge

It's easy to gather information:
Order history, pricing, and stock availability

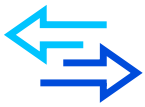
Quick ordering:
Search and filter, shopping lists, and easy reordering

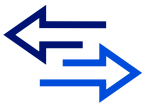
Find the optimal solution

PFERD TOOLS – the right tool for every application

With over 7,200 products for surface work and material cutting, PFERD TOOLS offers the ideal solution for every application. The correct product is determined by the application, the workpiece material, and the appropriate power tool.

The charts, diagrams, and information in each of the catalog sections will help you select the right product.





Application

The application determines which power tool and consumables are required. The following factors should be taken into account:

- The desired work result, e.g. high stock removal, high surface quality.
- The operating conditions, e.g. the power supply, stationary or manual application.
- The workpiece and its dimensions, geometry, and accessibility.
- The duration of use, e.g. individual or mass production.
- Requirements and ergonomic advantages in accordance with labor protection laws.

Material

Each workpiece material has different properties requiring unique solutions. PFERD TOOLS products are specifically designed to meet the challenges of a vast variety of materials. The highest possible level of cost-effectiveness meets the very best results.

Power tool

The power tool used has a significant influence on the cost-effectiveness of the machining process. Selecting the ideal drive, i.e. air grinder, electric grinder and flexible shaft drive, takes into account:

- Design, shape, and size
- Power output
- Rotational speed
- Mounting system
- Power supply (compressed air or electrical power supply)

PFERD TOOLS

Ensuring greater cost-effectiveness through quality

Quality is directly related to value and customer satisfaction. That's why PFERD TOOLS invests in basic and applied research and develops innovative high-performance products. In-house machine and plant engineering, along with the continuous testing and further development of quality and safety standards in our own laboratories, guarantee PFERD TOOLS' renowned quality.

As a founding member of the Organization for the Safety of Abrasives (oSa), PFERD TOOLS also provides maximum safety for users through continuous monitoring of production at all PFERD TOOLS manufacturing sites worldwide. PFERD Inc. is a long-standing member of the American Brush Manufacturer's Association (ABMA).

PFERD TOOLS quality management is certified according to ISO 9001.

FWI
FACHVERBAND WERKZEUGINDUSTRIE e.V.

oSa®

CERTIFIED ISO 9001

ANSI
American National Standards Institute

Get in touch now.
Our experts would be happy to help you find the perfect solution.

American Brush Manufacturers Association

FEPA
FEDERATION·OF·EUROPEAN PRODUCERS·OF·ABRASIVES

VDS Verband Deutscher Schleifmittelwerke

Innovations & expertise
Your success is our priority. Boost your productivity and the efficiency of your manufacturing processes.

You can count on PFERD TOOLS.

In-house research and development:
Around 400 new products introduced every year.

Market proximity and customer focus:
Future-ready solutions through close cooperation between development, product management, and production.

Quality assurance:
Continuous testing and further development of quality and safety standards.

Custom-made products:
We develop customized solutions for our customers' applications – always with the aim of maximizing their cost-effectiveness.

Achieving success together. Online and on-site.

PFERD TOOLS empowers you in your business. Whether on-site or online, PFERD offers personalized support for your sales.

Strong partnerships – working together:
High-quality point-of-purchase displays bring the premium PFERD TOOLS brand experience to your store-front; and our digital resources bring PFERD TOOLS quality to your E-Commerce website

Our services at a glance:

- PFERD TOOLS CENTER for retail, customized to your business.
- Exclusive customer service and sales team consultation.
- Efficient logistics.
- Hands-on product training and education.
- Support for targeted advertising and sales promotions.
- Extensive digital product data packages and electronic services.
- The latest knowledge and expertise: Tool Manual, website, PFERD TOOLS ACADEMY.
- Additional service: Spare parts, and speed, fit, and tolerance calculators.

Scan the QR code to find your nearest expert PFERD TOOLS retail partner.

E-Commerce: future-focused with PFERD TOOLS.

PFERD TOOLS is your partner for the future—ready for your business' E-Commerce needs. PFERD TOOLS offers a curated product assortment specially tailored for E-Commerce. We will provide you with comprehensive and high quality product information, images, and videos.

Increase your efficiency by taking advantage of our electronic ordering options. With our PFERD TOOLS SHOP and EDI services, we offer you different ways to quickly submit digital orders directly into our system. Digital does not mean distant; you will always receive our personal support.

Scan the QR code for more information on the topic of E-Commerce with PFERD TOOLS.

Advice, service, knowledge

Your success is what drives us

Understanding how the product, material, and machine all work together is the foundation for optimized metalworking processes. Our dedicated sales team will work with you to identify the right solution for your specific application. They are equipped to demonstrate cost-saving solutions and opportunities for increased productivity within your operations.

Sharing knowledge

In the PFERD TOOLS ACADEMY, we provide highly specialized and practical knowledge from the world of grinding and cutting. With several levels of courses, you can become a PFERD TOOLS product specialist step by step.

Anyone wanting to learn even more can connect with PFERD TOOLS on our social media channels and become part of the PFERD TOOLS community—creating a growing community of experts.

Scan the QR code for more information on what the PFERD TOOLS ACADEMY offers.

PFERD TOOLS
ACADEMY

Solid carbide tools
Performance. Productivity. Precision.

Our solid carbide tools combine the very best of our long-standing, comprehensive expertise in the development and manufacture of milling and drilling tools with our ongoing specialization in the field of surface treatment and coatings. As such, we provide the right solutions for tomorrow's manufacturing, today.

Innovations made in Europe

In our innovative centres of expertise for surface treatment and coatings, located in Germany, Italy and Switzerland, we develop and manufacture solid carbide tools that make a real difference. Our equipment currently includes 93 state-of-the-art CNC tool grinding machines.

Find out more about the new range now!

Comprehensive expertise at all levels

Premium quality without compromises

When it comes to the quality of our solid carbide tools, we don't leave anything to chance. We use state-of-the-art measuring equipment to ensure super-accurate tolerances down to the last micrometre, which enables us to meet and exceed the highest demands for process reliability, productivity and precision.

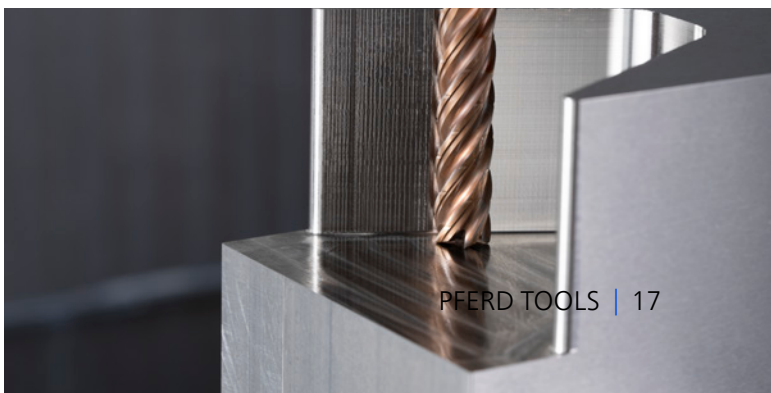
The right choice for every application

Whether it's common, universal machining applications or material-specific high-performance applications: our user-centric range has been tailored to your specific requirements. Depending on the specific tool and type, we can provide solid carbide tools with diameters ranging from 0.1 mm to 32 mm.

Customized innovation

If you cannot find the solution for your particular application in our catalogue range, we are also happy to produce **innovative and custom solutions**. Our fantastic in-house and field service team and application technicians are on hand to respond to your needs, offering quick, straightforward and flexible solutions.

Simply contact us to arrange an appointment.



Robotics requires process intelligence

More and more companies are automating their machining processes in order to improve quality and productivity and reproduce the results more consistently. However, simply deploying a robot in the workflow isn't enough to achieve these goals. The crucial factor is whether companies understand all the variables that influence the process, design it properly and manage it under real-life conditions.

The way in which the influencing factors interact is key

Robots can execute and repeat movements very precisely. However, that alone isn't enough to ensure stable machining results. To ensure a cost-effective process that delivers reproducible results, the following all need to be coordinated with one another:

Application

Tool

Drive

Process parameters

Find out more about robotics now!

Process intelligence requires experience

PFERD TOOLS combines decades of experience in manual machining processes with a clear understanding of what is required for automated applications to succeed. This expertise shapes the company's selection and design of tools, drives and machining strategies. As a result, the final processes aren't just technically effective, but also stable, reproducible and economical.

PFERD TOOLS is your ideal process partner as we offer:

Knowledge of tools
We select and design suitable tools and drives for each application.

Understanding of the process
We assess the relevant variables that influence the process and how they interact under real-life machining conditions.

Application expertise
We apply tried-and-tested machining processes to automated applications.

Request a consultation today.

Fast and reliable logistics

Almost 100% availability and a reliable global logistics network with our own warehouses worldwide ensure short delivery times and maximum planning reliability. Most orders are on their way to our customers within 24 hours. Our PFERD TOOLS SHOP enables our distributor partners to check product stock levels and lead times, as well as track order status at any time.

We are committed to helping our customers' projects keep moving without delays.

Global presence

PFERD TOOLS' global headquarters are located in Marienheide, Germany approximately 30 miles outside of Cologne. Our North American headquarters and manufacturing facility are located in Milwaukee, Wisconsin.

We are always there for you—worldwide, in person and digitally. PFERD TOOLS is globally present and locally committed, with a thorough understanding of your individual requirements.

Wherever you are.

10
production sites

24
subsidiaries

100
international trading partner agencies

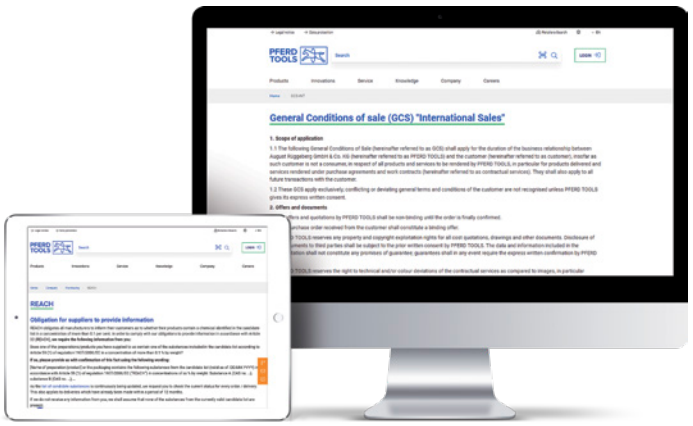
> 200
customer advisors

You can find all contact persons, subsidiaries, distribution companies, and national and international representative offices here.

Standard distributor terms and conditions

View our standard distributor terms and conditions here: **www.pferd.com/conditions**.

Scan the QR code for more information about our general terms and conditions of sale.



EC REACH Regulation (1907/2006/EC)

By adopting REACH (concerning the registration, evaluation, and authorization of chemicals), legislators have sought to minimize the hazards and risks associated with chemical substances and to ensure a higher level of protection for humans and the environment.

Information about PFERD TOOLS tools in the context of the EC REACH Regulation can be found on our website **www.pferd.com/reach**.

PFERD TOOLS

1

Files

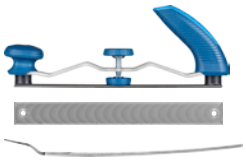
Files
Table of contents

Files

- Highlights from the PFERD TOOLS range 25
- Quick product selection guide 26
- The most common PFERD TOOLS cuts and tooth patterns 27

Workshop files

- Machinist files 28
- Special files 35
- Key file sets 38
- Tungsten point file 39



Car body files

- Adjustable holders for car body files 40
- Car body files 40
- Car body files, tanged 41

Milled tooth files

- Paint peeler 42
- Edge sharpener 42
- Babbitt files, tanged 43
- Brake caliper files 44

Sharpening files

- Three square saw files 45
- Mill saw files 46
- Chain saw files 47
- CHAIN SHARP® chain saw sharpeners 50
- Depth gauge files 51

Rasps and wood files

- Wood rasps 53
- Hoof rasps 54
- Needle rasp set 55

Precision files

- Tanged files 56
- CORINOX files 61
- CORINOX needle files 64
- Needle files 66
- Needle file sets 70
- Fluted files 70

File handles and file brush

- File handles 71
- Quick-mounting handles 72
- File brush 72

Hand deburrer

- Hand deburrer 73

Files
Highlights from the PFERD TOOLS range

Precision files

PFERD TOOLS precision files are expected to deliver nothing less than outstanding geometric accuracy, cutting performance, and service life.Due to their exact geometry, precision files are also excellent for installation tasks and for working on complex devices and machines in line with the highest precision standards.

Advantages:
- Designed for small and delicate workpieces.
- Exact geometry.
- Wide range of highly precise cuts for numerous applications in precision machining.

CHAIN SHARP® CS-X chain saw sharpener

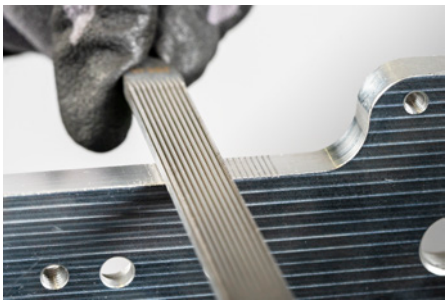
Sharpening using chain saw files and depth gauge files requires a lot of experience. With PFERD TOOLS chain saw sharpeners, less experienced users can also achieve precise and uniform sharpening results. The CHAIN SHARP® CS-X chain saw sharpener combines the functions of a depth gauge file and chain saw file in one. The innovative design allows the saw tooth to be sharpened and the depth gauge to be adjusted at the same time. Scan the QR code to find out more about PFERD TOOLS' range of chain saw sharpeners.

Advantages:
- Turn the device over to change from the right to the left tooth—no conversion work required.
- Shape is optimized for precise guidance and optimal sharpening results.
- Modern design makes it easy to replace the files.

Fluted files

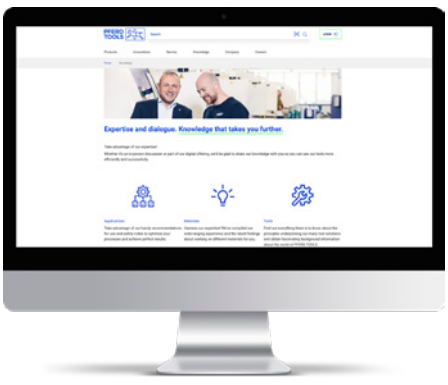
Special files for creating textured surfaces. Fluted files allow for the precise creation of grooved textures on grip surfaces as well as on palm and thumb rests to improve grip, control, and maneuverability. Due to their unique structure, these files are also suitable for applying decorative elements.

Advantages:
- A selection of different cuts for producing patterns and surface textures ranging from bold to very delicate.
- High-quality surfaces with decorative and functional added value.
- Suitable for use on a wide variety of materials.



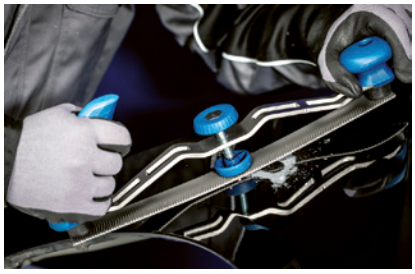
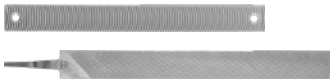
Find additional in-depth information online

Scan the QR code to find out a wide range of tool and application knowledge relating to PFERD TOOLS' high-quality tools and their huge variety of materials.



Files
Quick product selection guide

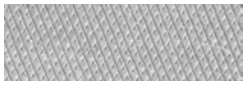
PFERD TOOLS

Use	Material	Applications	Tool
Filing 	■ Steel ■ Stainless steel (INOX) ■ Cast iron ■ Cast steel ■ Non-ferrous metals ■ Copper ■ Bronze ■ Brass ■ Zinc	■ Chamfering ■ Deburring ■ Roughing ■ Finishing ■ Surface work ■ Filing breakthroughs	Machinist files Aluminum files Milled tooth files Precision files
		■ Create structured surfaces.	Checkering file
Sharpening 	■ Saw chains ■ Saw blades ■ Band saw blades ■ Knives ■ Machetes	■ Sharpening saw chains, blades, and band saw blades	Chain saw files Taper saw files Mill saw files CHAIN SHARP® chain saw sharpeners
Car body work 	■ Sheet metal ■ Non-ferrous metals ■ Plastics	■ Surface work ■ Deburring ■ Removing solder spots ■ Removing weld spots	Car body files 
		■ Removing thin paint layers ■ Correcting painting defects	Paint peeler
Soft material work 	■ Wood ■ Plastics ■ Soft stone ■ Horn and hooves	■ Roughing ■ Finishing ■ Surface work ■ Deburring ■ Chamfering	Wood files Wood rasps Hoof plane and horse rasps Special rasps

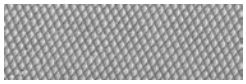
Files
The most common PFERD TOOLS cuts and tooth patterns

Workshop files

Cut 1/Bastard Cut
- Cut for coarse stock removal and roughing.



Cut 2/Second Cut
- Cut for universal roughing and finishing.

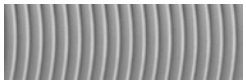


Cut 3/Smooth Cut
- Smooth cut for precision processing and finishing.

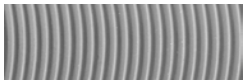
Car body files

Cut 00
- Radial cut for very coarse stock removal and roughing.
- Creates scratch-free surfaces.

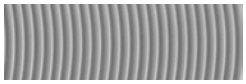
Cut 0
- Radial cut for coarse stock removal and roughing.
- Creates scratch-free surfaces.



Cut 1
- Radial cut for coarse stock removal and roughing.
- Creates scratch-free surfaces.

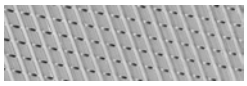


Cut 2
- Radial cut for general roughing and finishing.
- Creates scratch-free surfaces.

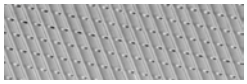


Cut 3
- Radial cut for fine stock removal and finishing.
- Creates scratch-free surfaces.

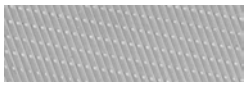
Milled tooth files



Cut 1
- Straight cut for coarse stock removal on soft metals.
- Because of its milled tooth construction and large flutes, the teeth do not clog up.

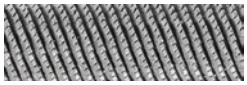


Cut 2
- Straight cut for general roughing and finishing on soft metals.
- Because of its milled tooth construction and large flutes, the teeth do not clog up.

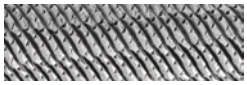


Cut 3
- Straight cut for fine stock removal on soft metals.
- Because of its milled tooth construction and large flutes, the teeth do not clog up.

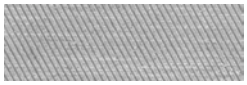
Sharpening files



Classic
- Classic spiral cut for users who prefer an aggressive filing action.



Premium
- Innovative spiral cut for users who prefer a softer filing action.



Cut 2
- Single cut.
- Engineered for sharpening.

Rasps

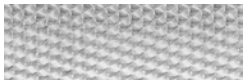
Cut 1/Bastard Cut
- Rasp cut for very coarse stock removal.

Files

The most common PFERD TOOLS cuts and tooth patterns

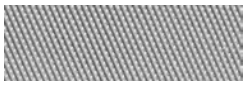
PFERD TOOLS

Cut 2/Second Cut
- Rasp cut for coarse stock removal.

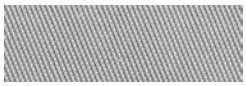


Cut 3/Smooth Cut
- Rasp cut for coarse stock removal.

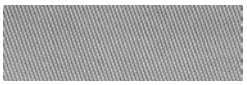
Precision files



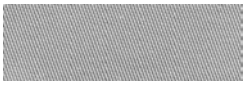
Cut 00
- Swiss cut 00 for very coarse precision work.



Cut 0
- Swiss cut 0 for coarse precision work.



Cut 1
- Swiss cut 1 for medium precision work.



Cut 2
- Swiss cut 2 for medium-fine precision work.

Cut 3
- Swiss cut 3 for fine precision work.

Cut 4
- Swiss cut 4 for very fine precision work.

Machinist files

Hand

Rectangular hand files, cut on three sides, one side uncut. Tanged design. Designed for work on a variety of work pieces.

Special features:
- Uniformly high stock removal rate.
- Durable.
- Suitable for use on aluminum, bronze, copper, brass, zinc, grey cast iron, steels up to 370 HV (38 HRC), and cast steel.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
Industrial packaging (without handle)							
6	1 / Bastard	5/8	5/32	12617130	10	11101151	11036
	2 / Second	5/8	5/32	12617130	10	11101152	11037
	3 / Smooth	5/8	5/32	12617130	10	11101153	11038
8	1 / Bastard	25/32	7/32	12617141	10	11101201	11039
	2 / Second	25/32	7/32	12617141	10	11101202	11040
	3 / Smooth	25/32	7/32	12617141	10	11101203	11041

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Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
10	1 / Bastard	31/32	1/4	12617141	10	11101251	11042
	2 / Second	31/32	1/4	12617141	10	11101252	11043
12	1 / Bastard	1-5/32	9/32	12617151	5	11101301	11045

Flat

Rectangular, tapered file with cuts on four sides. Tanged shank design. Form B according to DIN 7261. Suitable for machining right-angled geometries.

Special features:
- Uniformly high stock removal rate.
- Durable.
- Suitable for use on aluminum, bronze, copper, brass, zinc, grey cast iron, steels up to 370 HV (38 HRC), and cast steel.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle	Incl. handle		Item no.	EDP no.
Industrial packaging (without handle)								
4	1 / Bastard	13/32	3/32	12617130	-	10	11103101	11001
	2 / Second	13/32	3/32	12617130	-	10	11103102	11002
	3 / Smooth	13/32	3/32	12617130	-	10	11103103	11003
6	1 / Bastard	5/8	5/32	12617130	-	10	11103151	11004
	2 / Second	5/8	5/32	12617130	-	10	11103152	11005
	3 / Smooth	5/8	5/32	12617130	-	10	11103153	11006
8	1 / Bastard	25/32	7/32	12617141	-	10	11103201	11007
	2 / Second	25/32	7/32	12617141	-	10	11103202	11008
	3 / Smooth	25/32	7/32	12617141	-	10	11103203	11009
10	1 / Bastard	31/32	1/4	12617141	-	10	11103251	11010
	2 / Second	31/32	1/4	12617141	-	10	11103252	11011
	3 / Smooth	31/32	1/4	12617141	-	10	11103253	11012
12	1 / Bastard	1-5/32	9/32	12617151	-	5	11103301	11013
	2 / Second	1-5/32	9/32	12617151	-	5	11103302	11014
	3 / Smooth	1-5/32	9/32	12617151	-	5	11103303	11015
14	1 / Bastard	1-11/32	5/16	-	-	5	11103351	11016
Retail packaging (with ergonomic file handle)								
8	1 / Bastard	25/32	7/32	-	12617141	1	11216206	11007P
	2 / Second	25/32	7/32	-	12617141	1	11216207	11008P
	3 / Smooth	25/32	7/32	-	12617141	1	11216208	11009P
10	1 / Bastard	31/32	1/4	-	12617141	1	11216256	11010P
	2 / Second	31/32	1/4	-	12617141	1	11216257	11011P
	3 / Smooth	31/32	1/4	-	12617141	1	11216258	11012P
12	1 / Bastard	1-5/32	9/32	-	12617151	1	11216306	11013P
	2 / Second	1-5/32	9/32	-	12617151	1	11216307	11014P
	3 / Smooth	1-5/32	9/32	-	12617151	1	11216308	11015P

Three square

Triangular file, tapered and cut on all three sides. Tanged version. Designed for filing angular surfaces.

Special features:
- Uniformly high stock removal rate.
- Durable.
- Suitable for use on aluminum, bronze, copper, brass, zinc, grey cast iron, steels up to 370 HV (38 HRC), and cast steel.

Length [Inch]	Cut	Width [Inch]	Matching handle	Incl. handle		Item no.	EDP no.
Industrial packaging (without handle)							
6	1 / Bastard	15/32	12617130	-	10	11108151	11097
	2 / Second	15/32	12617130	-	10	11108152	11098
	3 / Smooth	15/32	12617130	-	10	11108153	11099
8	1 / Bastard	19/32	12617140	-	10	11108201	11100
	2 / Second	19/32	12617140	-	10	11108202	11101
	3 / Smooth	19/32	12617140	-	10	11108203	11102
10	1 / Bastard	11/16	12617150	-	10	11108251	11103
	2 / Second	11/16	12617150	-	10	11108252	11104
	3 / Smooth	11/16	12617150	-	10	11108253	11105
Retail packaging (with ergonomic file handle)							
8	1 / Bastard	19/32	-	12617140	1	11211206	11100P
	2 / Second	19/32	-	12617140	1	11211207	11101P
	3 / Smooth	19/32	-	12617140	1	11211208	11102P
10	1 / Bastard	11/16	-	12617150	1	11211256	11103P
	2 / Second	11/16	-	12617150	1	11211257	11104P

Square

Square file, tapered and cut on four sides. Tanged version. Designed for filing angular surfaces.

Special features:
- Uniformly high stock removal rate.
- Durable.
- Suitable for use on aluminum, bronze, copper, brass, zinc, grey cast iron, steels up to 370 HV (38 HRC), and cast steel.

Length [Inch]	Cut	Width [Inch]	Matching handle	Incl. handle		Item no.	EDP no.
Industrial packaging (without handle)							
4	1 / Bastard	5/32	12617120	-	10	11104101	11081
	2 / Second	5/32	12617120	-	10	11104102	11082
	3 / Smooth	5/32	12617120	-	10	11104103	11083
6	1 / Bastard	7/32	12617130	-	10	11104151	11084
	2 / Second	7/32	12617130	-	10	11104152	11085
	3 / Smooth	7/32	12617130	-	10	11104153	11086
8	1 / Bastard	5/16	12617140	-	10	11104201	11087

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Length [Inch]	Cut	Width [Inch]	Matching handle	Incl. handle		Item no.	EDP no.
8	2 / Second	5/16	12617140	-	10	11104202	11088
	3 / Smooth	5/16	12617140	-	10	11104203	11089
10	1 / Bastard	3/8	12617140	-	10	11104251	11090
	2 / Second	3/8	12617140	-	10	11104252	11091
	3 / Smooth	3/8	12617140	-	10	11104253	11092
12	1 / Bastard	1/2	12617150	-	5	11104301	11093
	2 / Second	1/2	12617150	-	5	11104302	11094

Retail packaging (with ergonomic file handle)

8	1 / Bastard	5/16	-	12617140	1	11212206	11087P
	2 / Second	5/16	-	12617140	1	11212207	11088P
10	1 / Bastard	3/8	-	12617140	1	11212256	11090P
	2 / Second	3/8	-	12617140	1	11212257	11091P

Half-round pointed

Half-round pointed file, cut on two sides. Tanged version. Designed for filing out concave surfaces and crevices, and for rounding out holes.

Special features:
- Outstanding filing performance thanks to PFERD TOOLS spiral files.
- Durable.
- Suitable for use on aluminum, bronze, copper, brass, zinc, grey cast iron, steels up to 370 HV (38 HRC), and cast steel.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle	Incl. handle		Item no.	EDP no.
Industrial packaging (without handle)								
4	1 / Bastard	13/32	3/32	12617130	-	10	11105101	11150
	2 / Second	13/32	3/32	12617130	-	10	11105102	11151
	3 / Smooth	13/32	3/32	12617130	-	10	11105103	11152
6	1 / Bastard	19/32	5/32	12617130	-	10	11125151	11020
	2 / Second	19/32	5/32	12617130	-	10	11125152	11021
	3 / Smooth	19/32	5/32	12617130	-	10	11125153	11022
8	1 / Bastard	3/4	7/32	12617141	-	10	11125201	11023
	2 / Second	3/4	7/32	12617141	-	10	11125202	11024
	3 / Smooth	3/4	7/32	12617141	-	10	11125203	11025
10	1 / Bastard	15/16	9/32	12617141	-	10	11125251	11026
	2 / Second	15/16	9/32	12617141	-	10	11125252	11027
	3 / Smooth	15/16	9/32	12617141	-	10	11125253	11028
12	1 / Bastard	1-1/8	11/32	12617151	-	5	11125301	11029
	2 / Second	1-1/8	11/32	12617151	-	5	11125302	11030
	3 / Smooth	1-1/8	11/32	12617151	-	5	11125303	11031
14	1 / Bastard	1-9/32	13/32	12617151	-	5	11125351	11032
Retail packaging (with ergonomic file handle)								
8	1 / Bastard	3/4	7/32	-	12617141	1	11235206	11023P
	2 / Second	3/4	7/32	-	12617141	1	11235207	11024P
	3 / Smooth	3/4	7/32	-	12617141	1	11235208	11025P
10	1 / Bastard	15/16	9/32	-	12617141	1	11235256	11026P
	2 / Second	15/16	9/32	-	12617141	1	11235257	11027P

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Workshop files
Machinist files

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle	Incl. handle		Item no.	EDP no.
10	3 / Smooth	15/16	9/32	-	12617141	1	11235258	11028P
12	1 / Bastard	1-1/8	11/32	-	12617151	1	11235306	11029P

Round

Round file cut all the way around the circumference. Tanged version. Designed for work on circular holes and rounded grooves.

Special features:
- Outstanding filing performance thanks to PFERD TOOLS spiral files.
- Durable.
- Suitable for use on aluminum, bronze, copper, brass, zinc, grey cast iron, steels up to 370 HV (38 HRC), and cast steel.

Length [Inch]	Cut	Diameter [Inch]	Matching handle	Incl. handle		Item no.	EDP no.
Industrial packaging (without handle)							
4	1 / Bastard	5/32	12617120	-	10	11107101	11061
	2 / Second	5/32	12617120	-	10	11107102	11062
	3 / Smooth	5/32	12617120	-	10	11107103	11063
6	1 / Bastard	7/32	12617130	-	10	11107151	11064
	2 / Second	7/32	12617130	-	10	11107152	11065
	3 / Smooth	7/32	12617130	-	10	11107153	11066
8	1 / Bastard	5/16	12617140	-	10	11107201	11067
	2 / Second	5/16	12617140	-	10	11107202	11068
	3 / Smooth	5/16	12617140	-	10	11107203	11069
10	1 / Bastard	3/8	12617140	-	10	11107251	11070
	2 / Second	3/8	12617140	-	10	11107252	11071
	3 / Smooth	3/8	12617140	-	10	11107253	11072
12	1 / Bastard	1/2	12617150	-	5	11107301	11073
	2 / Second	1/2	12617150	-	5	11107302	11074
	3 / Smooth	1/2	12617150	-	5	11107303	11075
14	1 / Bastard	5/8	12617150	-	5	11107351	11076
Retail packaging (with ergonomic file handle)							
8	1 / Bastard	5/16	-	12617140	1	11214206	11067P
	2 / Second	5/16	-	12617140	1	11214207	11068P
	3 / Smooth	5/16	-	12617140	1	11214208	11069P
10	1 / Bastard	3/8	-	12617140	1	11214256	11070P
	2 / Second	3/8	-	12617140	1	11214257	11071P
	3 / Smooth	3/8	-	12617140	1	11214258	11072P
12	1 / Bastard	1/2	-	12617150	1	11214306	11073P

Knife files

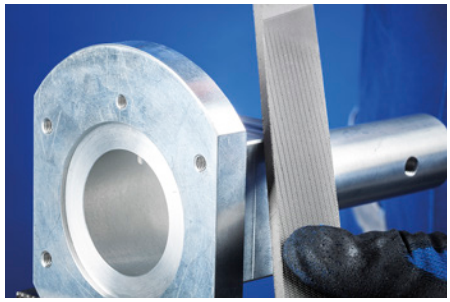
Triangular file with knife profile, cut on two sides and the narrow edge. Tanged version. For work on very acute-angled and narrow-shaped surfaces.

Special features:
- Uniformly high stock removal rate.
- Durable.
- Suitable for use on aluminum, bronze, copper, brass, zinc, grey cast iron, steels up to 370 HV (38 HRC), and cast steel.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
Industrial packaging (without handle)							
8	1 / Bastard	27/32	3/16	12617141	10	11109201	11055
	2 / Second	27/32	3/16	12617141	10	11109202	11056
	3 / Smooth	27/32	3/16	12617141	10	11109203	11057

PFERD TOOLS PLUS files, hand type

Rectangular file, cut on three sides, one edge uncut. Tanged design. Excellent filing performance thanks to the special PFERD TOOLS PLUS cut. Suitable for work on rectangular geometries.



Special features:
- Easy and energy-saving due to spade-like filing teeth.
- No loading when processing soft materials due to a wide chip divider.
- Good for all hobby and DIY purposes.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Incl. handle		Item no.	EDP no.
Retail packaging (with ergonomic file handle)							
8	PLUS-cut	25/32	7/32	12617141	1	11215206	11134P
10	PLUS-cut	31/32	1/4	12617141	1	11215256	11135P
12	PLUS-cut	1-5/32	9/32	12617151	1	11215306	11136P

Workshop files
Machinist files

Machinist files in plastic pouch

Quality files for industry and trade. These files are packaged in a protective and climate-resistant PVC pouch for storage in a toolbox or on a workbench. Each file comes with an ergonomic file handle.

Special features:
- Designed for a wide range of applications.
- Includes matching plastic pouch to save storage space.

Length [Inch]	Contents		Item no.	EDP no.
Machinist files in plastic pouch				
8	Hand - Cut 1, Square - Cut 1, Round - Cut 1, Wood Rasp, Half Round - Cut 2	1	11800520	16177
	Hand - Cut 1, Three Square - Cut 1, Square - Cut 1, Half Round - Cut 1, Round - Cut 1	1	11800531	16178
	Hand - Cut 2, Three Square - Cut 2, Square - Cut 2, Half Round - Cut 2, Round - Cut 2	1	11800532	16179
10	Hand - Cut 1, Three Square - Cut 1, Square - Cut 1, Half Round - Cut 1, Round - Cut 1	1	11800541	16180
	Hand - Cut 2, Three Square - Cut 2, Square - Cut 2, Half Round - Cut 2, Round - Cut 2	1	11800542	16181

File set

Quality files designed for DIY users. Precise, with a high stock removal rate and good durability. Also suitable for sharpening. Each file comes with an ergonomic file handle. Packaged in a retail-compatible cardboard box.

Contents:
This set contains one of each:
Hobby File with Handle - Cut 2
All-Purpose File with Handle - Cut 1
Half-Round File with Handle - Cut 1

Length [Inch]		Item no.	EDP no.
8	1	11202300	16070

Hobby file

Rectangular file with different cuts on three sides. Tanged version with ergonomic file handle. Cross cut 1 on front side for roughing, single cut 2 on back side, and edge for sharpening.

Special features:
- For roughing and sharpening using the same product.
- Versatile.
- Suitable for use on steel and cast steel.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Incl. handle		Item no.	EDP no.
Retail packaging (with ergonomic file handle)							
8	Cross cut 1 / single cut 2	1	5/32	12617141	1	11273207	16053P

File rasp

Rectangular file with different cuts on both flat sides. Tanged version with ergonomic file handle. Cross cut 1 on front side for roughing, rasp cut 1 on back side for rasping, and one cut edge.

Special features:
- For roughing and sharpening using the same product.
- Versatile.
- Suitable for use on soft non-ferrous metals, wood, plastics and steel.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Incl. handle		Item no.	EDP no.
Retail packaging (with ergonomic file handle)							
8	Cross cut 1 / rasp cut 1	25/32	13/64	12617141	1	11232206	16056P

Universal sharpening file

Rectangular file, tanged, single cut 2 on two sides, with rounded, uncut narrow edges and ergonomic file handle. Often referred to as a lawnmower file. Can also be used to sharpen cutting tools.

Special features:
- Durable.
- High surface quality with optimum cutting performance.
- Suitable for use on steel and cast steel.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Incl. handle		Item no.	EDP no.
Retail packaging (with ergonomic file handle)							
8	Single cut 2	15/32	1/8	12617141	1	11272207	17125P

Fitter's file

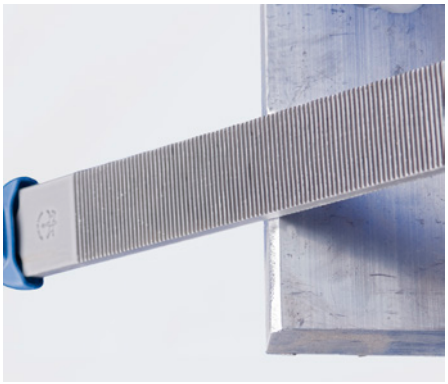
Rectangular file with different milled cuts, tanged and with ergonomic file handle. Straight cut with chip divider on front side, radial cut on rear, uncut edges.

Special features:
- Extremely robust design.
- Versatile.
- Suitable for use on aluminum, soft non-ferrous metals, wood, plastics, steels up to 1,200 N/mm² and cast steel.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Incl. handle		Item no.	EDP no.
Retail packaging (with ergonomic file handle)							
10	Radial 1/straight 2	15/32	1/8	12617141	1	11273256	16058

Aluminum file – Hand

Rectangular file, tanged and special cut on three sides, one edge uncut. Designed to work well on soft metals.



Special features:
- Special tooth geometry prevents the file from loading.
- Quality surfaces and cost saving.
- Suitable for use on aluminum, soft non-ferrous metals and plastics.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
10	0	31/32	1/4	12617141	10	11102250	17103
12	0	1-5/32	9/32	12617151	5	11102300	17104

Aluminum file – Half-round

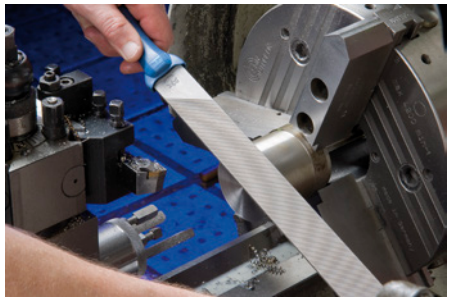
Half-round file, tanged with cut on two sides. Excellent filing performance due to the PFERD TOOLS spiral cut on the half-round side. Designed to work well on soft metals.

Special features:
- Special tooth geometry prevents the file from loading.
- Quality surfaces and cost saving.
- Suitable for use on aluminum, soft non-ferrous metals and plastics.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
10	0	15/16	9/32	12617141	10	11106250	17107
12	0	1-1/8	11/32	12617151	5	11106300	17108

Lathe files

Rectangular file, tanged and cut on two sides, two edges uncut. Designed for deburring parts rotated on a lathe.



Special features:
- Opposing directions of the cut keeps the file away from the chuck during lathe work. This improves safety.
- Suitable for use on aluminum, hard non-ferrous metals, plastics, steel and cast steel.

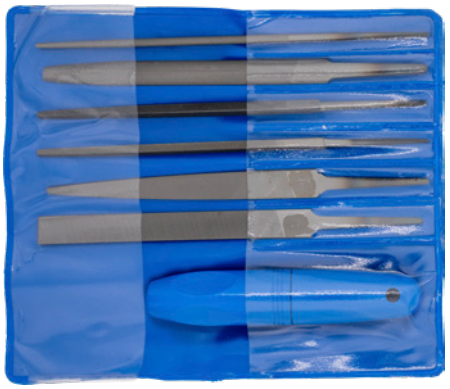
Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
10	Bastard	31/32	1/4	12617141	10	12119253	17005
12	Bastard	1-5/32	9/32	12617151	5	12119303	17006

Half-round pipeline files

Files for working on pipeline weld seams and for removing scale on pipelines.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle	Incl. handle		Item no.	EDP no.
Industrial packaging (without handle)								
14	1 / Bastard	1-3/8	11/32	12617151	-	5	18100398	11155
Retail packaging (with ergonomic file handle)								
14	1 / Bastard	1-3/8	11/32	-	12617151	5	18100955	11155H

Workshop files
Key file sets



Key file set 265 A

Contains an application-oriented selection of key files. Ideal for fine and delicate filing.

Contents:
The set contains six key files and a quick-mounting handle. The set includes one each of the following files: hand, flat, three square, square, half-round, round.

Special features:
- Suitable for a wide range of delicate and light filing work.
- Supplied with Quick-Mounting Handle No. 220 in a plastic pouch that protects against dirt and damage. The handle is not available individually, but only as part of a set.

Length [Inch]		Item no.	EDP no.
4	1	11702100	17009

Key file set 265 B

Contains an application-oriented selection of key files. Ideal for fine and delicate filing.

Contents:
The set contains six key files. The set includes one each of the following files: hand, flat, three square, square, half-round and round.

Special features:
- Suitable for a wide range of delicate and light filing work.
- Includes mounted wooden handles in a plastic pouch to protect against dirt and damage. Key files are only available in a set and not individually.

Length [Inch]		Item no.	EDP no.
4	1	11706100	17012

Key file set 265 K

Contains an application-oriented selection of key files. Ideal for fine and delicate filing.

Contents:
The set contains six key files. The set includes one each of the following files: hand, flat, three square, square, half-round and round.

Special features:
- Suitable for a wide range of delicate and light filing work.
- Includes mounted wooden handles in a metal box to protect against dirt and damage. Key files are only available in a set and not individually.

Length [Inch]		Item no.	EDP no.
4	1	11700265	17010

Tungsten point file

Rectangular file with flat handle and cut 2 on two sides. Very thin file, specifically designed for work on contacts, narrow grooves, and cut holes.

Special features:
- The punch file handle eliminates the need for an additional handle.
- Practical design.
- Suitable for use on soft non-ferrous metals, steel and cast steel.

Length [Inch]	Cut	Width [Inch]	Height [Inch]		Item no.	EDP no.
4	2 / Second	5/16	3/64	10	11509150	17008

Car body files
Adjustable holders for car body files

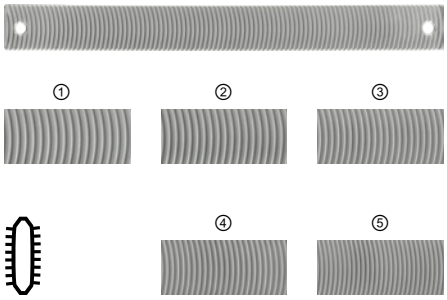
Adjustable holders for car body files

This light-weight ergonomic holder with plastic handles allows individual tensioning of car body files to match the surface contour of the workpiece.

Special features:
- The tensioning system makes it easy to adjust the bending radius of the file.
- Can be curved or straight, allowing it to be used on a specific spot or a wide area.
- Vibration-damping rubber pad reduces fatigue.

Suitable for file length [Inch]		Item no.	EDP no.
12	1	14000167	14012
14	1	14203350	14013

Car body files



Car body file blades

The car body files have razor-sharp tooth edges. The car body file holder can be adjusted to the contour of the surface being worked on. The file can also be used at specific points for more precise work.

Special features:
- The tensioning system makes it easy to adjust the bending radius of the file.
- Convex shape of the file blades prevents unwanted scratches.
- Suitable for use on aluminum and steels up to 370 HV (38 HRC).

Image	Length [Inch]	Cut	Version	Width [Inch]	Height [Inch]	Teeth per inch		Item no.	EDP no.
③	12	1	coarse	1-5/32	7/32	9	1	14101301	14001
④	12	2	medium	1-5/32	7/32	10	1	14101302	14002
⑤	12	3	fine	1-5/32	7/32	12	1	14101303	14003
①	14	00	extra-coarse	1-11/32	15/64	7	1	14101357	14004
②	14	0	very coarse	1-11/32	7/32	8	1	14101350	14005
③	14	1	coarse	1-11/32	7/32	9	1	14101351	14006
④	14	2	medium	1-11/32	7/32	10	1	14101352	14007
⑤	14	3	fine	1-11/32	7/32	12	1	14101353	14008

Car body file blades

The car body file blades with special cross cut have can be adjusted to the contour of the surface to be worked as they are clamped individually in the car body file holder. The file blades can also be used at specific points.

Special features:
- The tensioning system makes it easy to adjust the bending radius of the file.
- Suitable for use on aluminum and steels up to 370 HV (38 HRC).

Length [Inch]	Cut	Version	Width [Inch]	Height [Inch]		Item no.	EDP no.
14	Special cross cut	extra fine	1-11/32	7/32	1	14107359	14000

Car body files, tanged

Car body files, tanged

File curved in longitudinal and transverse direction (convex), tanged. Cut on one side.

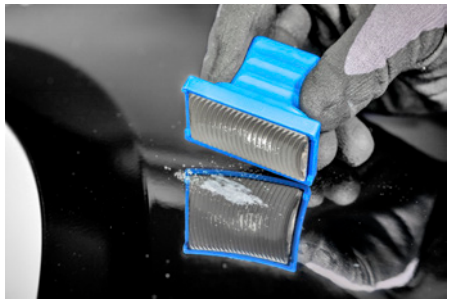
Special features:
- Convex shape of the file prevents unwanted scratches.
- Precise handling.
- Suitable for use on aluminum and steels up to 370 HV (38 HRC).

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
14	1 / Bastard	1-3/8	5/16	12617151	5	14103351	14009
	3 / Smooth	1-3/8	5/16	12617151	5	14103353	14010

Milled tooth files
Paint peeler

Paint peeler

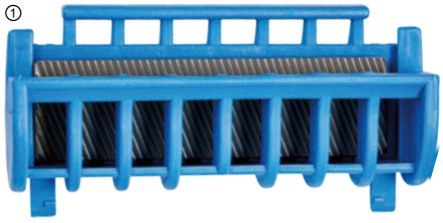
Small paint peeler comes with a file that can be used on both sides, for finishing of very small painted surfaces. The adjustable plastic holder allows for precise work. For levelling and correction of painting faults or the removal of extremely thin paint layers.



Special features:
- Convex shape prevents unwanted scratches.
- Precision-cut, razor-sharp teeth provide a very high-quality, score-free surface finish.
- Surfaces can be painted or processed immediately.

Length [Inch]	Cut	Width [Inch]	Height [Inch]		Item no.	EDP no.
Paint peeler (including file)						
2	3 / Smooth	1-1/2	3/16	1	14302001	14014
Replacement file for paint peeler						
2	3 / Smooth	1-1/2	3/16	10	14131053	14015

Edge sharpener

① 

②

Edge sharpener

Rectangular file in a special plastic holder, angled cut on two sides. Ideal for quick and easy deburring work.

Special features:
- The special holder enables easy tool control and exact, right-angled positioning of the chamfer file on the workpiece.
- Impressively suited for sharpening ski edges and repairing guide rails on power saws.
- Suitable for use on aluminum, grey cast iron and steels up to 370 HV (38 HRC).

Image	Length [Inch]	Cut	Width [Inch]	Height [Inch]		Item no.	EDP no.
Universal chamfer file (including file blade)							
①	4-1/2	2 / Second	-	-	1	13217110	13025
Spare file blade							
②	4-1/2	2 / Second	1-1/4	1/4	10	13215112	13026

Milled tooth files
Babbitt files, tanged

Hand

Rectangular file with cuts on three sides. Tanged version. Angled cut with chip divider on the flat sides, straight cut on the high edge. Designed for work on rectangular surfaces.

Special features:
- Very aggressive.
- Large flutes prevent loading.
- Suitable for use on aluminum, grey cast iron, steels up to 370 HV (38 HRC), cast steel, copper and brass.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
10	1 / Bastard	1-1/32	3/16	12617141	10	13101251	13001
12	1 / Bastard	1-7/32	13/64	12617151	5	13101301	13003
	2 / Second	1-7/32	13/64	12617151	5	13101302	13004
14	1 / Bastard	1-3/8	11/32	12617151	5	13101351	13006

Half-round, hollow

Half-round file, hollow and tapered. Tanged version. With chip divider on the half-round side, angled cut on one side. Designed for work on radii and for filing of half-round shapes.

Special features:
- Very aggressive.
- Large flutes prevent loading.
- Suitable for use on aluminum, grey cast iron, steels up to 370 HV (38 HRC), cast steel, copper and brass.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
10	1 / Bastard	7/8	9/32	12617141	10	13103251	13009
12	1 / Bastard	1-1/16	11/32	12617151	5	13103301	13011

Milled tooth files
Brake caliper files

Brake caliper files

Hand brake calliper files for cleaning and smoothing brake callipers and contact surfaces of brake pads. The milled files are designed for removing brake dust, rust and other dirt from brake caliper bores when maintaining and repairing disc brake systems in the field of vehicle technology.

Special features:
- Milled file with exact tooth geometry and excellent cutting performance.
- Creates clean, flat surfaces for precise positioning of the brake pads to prevent uneven wear.
- Removes even stubborn residues.

Length [Inch]	Cut	Width [Inch]	Height [Inch]		Item no.	EDP no.
6	2 / Second	1/2	7/32	1	*13280161*	-
		3/8	7/32	1	*13280160*	-

Discontinued product

Slim

Triangular file, tapered with tang for a wide range of applications. Cut on all three sides and three edges.

Special features:
- Good stock removal rate.
- Durable.
- Suitable for use on steels up to 370 HV (38 HRC), and cast steel.

Length [Inch]	Cut	Width [Inch]	Matching handle		Item no.	EDP no.
Industrial packaging (without handle)						
4	2 / Second	7/32	12617120	10	11402102	17022
5	2 / Second	9/32	12617120	10	*11402122*	17023
6	2 / Second	11/32	12617130	10	11402152	17024
7	2 / Second	13/32	12617140	10	11402182	17025
8	2 / Second	15/32	12617140	10	11402202	17026

Extra slim

Triangular file, tapered with tang for a wide range of applications. Cut on all three sides and three edges.

Special features:
- Good stock removal rate.
- Durable.
- Suitable for use on steels up to 370 HV (38 HRC), and cast steel.

Length [Inch]	Cut	Width [Inch]	Matching handle		Item no.	EDP no.
Industrial packaging (without handle)						
4	2 / Second	3/16	12617120	10	*11403102*	17027
6	2 / Second	9/32	12617120	10	11403152	17029

Double extra slim

Triangular file, tapered with tang for a wide range of applications. Cut on all three sides and three edges.

Special features:
- Good stock removal rate.
- Durable.
- Suitable for use on steels up to 370 HV (38 HRC), and cast steel.

Length [Inch]	Cut	Width [Inch]	Matching handle		Item no.	EDP no.
8	2 / Second	5/16	12617130	10	11404202	17035

Cant saw file

Triangular file, tanged. Cut on three sides, non-equilateral triangular shape.

Special features:
- Good stock removal rate.
- Durable.
- Suitable for use on steels up to 370 HV (38 HRC), and cast steel.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
8	2 / Second	7/8	1/2	12617140	10	11633202	17014

Discontinued product

Sharpening files
Mill saw files

Mill saw files

Rectangular file, tanged. With one round and one straight edge and cut on four sides.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
Industrial packaging (without handle)							
8	2 / Second	25/32	9/64	12617141	10	11608203	19017

Tapered mill saw file

Rectangular file, tapered with tang, for sharpening, deburring and surface work. Cut on four sides.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
Industrial packaging (without handle)							
6	1 / Bastard	19/32	7/64	12617130	10	11904151	19001
8	1 / Bastard	25/32	9/64	12617141	10	11904201	19004
	2 / Second	25/32	9/64	12617141	10	11904202	19005
	3 / Smooth	25/32	9/64	12617141	10	11904203	19006
10	1 / Bastard	31/32	11/64	12617141	10	11904251	19007
	2 / Second	31/32	11/64	12617141	10	11904252	19008
	3 / Smooth	31/32	11/64	12617141	10	11904253	19009
12	1 / Bastard	1-5/32	7/32	12617151	10	11904301	19010
	2 / Second	1-5/32	7/32	12617151	10	11904302	19011
	3 / Smooth	1-5/32	7/32	12617151	10	11904303	19012

Chain saw files, round, Classic Line

Round Classic Line file for fast and score-free manual sharpening of saw chains. In comparison to machine sharpening, this file removes stock sparingly without thermal loads caused by friction on the metal.

Special features:
- Optimum combination of service life and stock removal rate.
- Aggressive filing for quick sharpening.

Length [Inch]	Diameter [Inch]	Chain pitch [Inch]	Matching handle		Item no.	EDP no.
8	5/32	1/4, 3/8 LP	12617120	6	11016203	17047
	11/64	.325	12617120	6	11017203	17057
	3/16	.325	12617120, 12617130	6	11018203	17038
	13/64	3/8	12617130	6	11020203	17048
	7/32	3/8, .404	12617130	6	11022203	17039
	1/4	-	12617130	6	11024203	17040
	5/16	3/4	12617130	6	11028203	17061

Chain saw files, round, Premium Line

Round Premium Line file for fast and score-free manual sharpening of saw chains. In comparison to machine sharpening, this file removes stock sparingly without thermal loads caused by friction on the metal.

Special features:
- Perfect sharpness thanks to innovative spiral cut.
- Fine tooth surfaces for maximum cutting performance and gentler filing.

Length [Inch]	Diameter [Inch]	Chain pitch [Inch]	Matching handle		Item no.	EDP no.
8	5/32	1/4, 3/8 LP	12617120	6	11037203	17074
	11/64	.325	12617120	6	11038203	17075
	3/16	.325	12617120, 12617130	6	11039203	17076
	13/64	3/8	12617130	6	11040203	17077
	7/32	3/8, .404	12617130	6	11041203	17078

Sharpening files
Chain saw files

PFERD TOOLS

Sleeve packed, 3-count

Three round Classic Line files with spiral cut in retail plastic packaging to protect against dirt and damage. The opening on the front of the packaging makes it easier to remove and return the files. A box contains four packs, each containing three files.

Special features:
- Optimum combination of service life and stock removal rate.
- Aggressive filing for quick sharpening.

Length [Inch]	Diameter [Inch]	Tang shape	Chain pitch [Inch]	Matching handle		Item no.	EDP no.
Retail point-of-sale packaging							
8	1/8	round	1/4 LP	12605004	1	18600773	17129
	5/32	square	1/4, 3/8 LP	12617120	12	11071203	17130
					300	18600774	17136
	3/16	round	.325	12617120, 12617130	12	11073203	17132
		square	.325	12617120, 12617130	12	18600775	17137
	13/64	square	3/8	12617130	300	18600776	17133
	7/32	square	3/8, .404	12617130	12	11075203	17134
						18600777	17138

Wooden handles for chain saw files

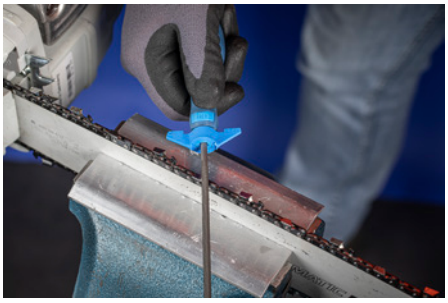
The wooden handle for chain saw files has an angular contact surface which maintains a 35° filing angle for accurate and even sharpening of all chain saw teeth.

Special features:
- Optimized filing angle ensures precise, even filing.

Suitable for chain saw file diameter [Inch]	Total length [Inch]		Item no.	EDP no.
13/64, 7/32, 1/4, 5/16	4	100	12610010	17045

Ergonomic file handle for chain saw files

Ergonomic file handle for chain saw files for comfortable and safe work. Soft plastic with hard and stable internal components.



Special features:
- Protects hands against sharp edges and corners.
- Ergonomic design optimizes haptic experience.
- Prevents files from rolling away.

Suitable for chain saw file diameter [Inch]	Total length [Inch]		Item no.	EDP no.
13/64, 7/32, 1/4, 5/16	5-25/32	10	12617110	17046

Chain saw gauge

The chain saw gauge supports consistent sharpening results by providing the correct sharpening angle. It is attached to the pin of the ergonomic file handle for chain saw files. Please order the file handle separately.

Suitable for chain saw file diameter [Inch]	Angle		Item no.	EDP no.
13/64, 7/32, 1/4, 5/16	25°/30°	10	12600020	17090
	30°/35°	10	12600010	17091

Adjustable depth gauge

The specially developed adjustable depth gauge enables the distance between the saw tooth and depth gauge to be checked, and is the ideal aid for individually setting the depth limit of the saw chain and achieving optimum sharpening results for wood saw work.

Special features:
- Enables optimum adjustment of the depth gauge to the individual sawing conditions.

Suitable chain pitch [Inch]	Adjustment range from H to S [Inch]	Depth gauge distance [Inch]	Total length [Inch]		Item no.	EDP no.
1/4", 3/8" LP, .325", 3/8", .404"	0.020	0.025	3-1/4	1	11099224	18080

Stump vise

Portable stump vise made from solid steel for sharpening saw chains onsite. It is driven into a tree stump or tree trunk and is used to secure the chain saw bar in place.

Special features:
- Secure chain saw attachment offers excellent sharpening results.
- Chain moves freely while sharpening.

	Item no.	EDP no.
1	18301038	17080

Sharpening files
CHAIN SHARP® chain saw sharpeners

PFERD TOOLS

①

②

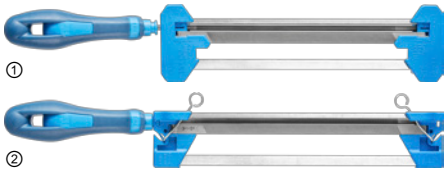
CHAIN SHARP® CS-X chain saw sharpeners

The CHAIN SHARP® CS-X chain saw sharpener enables the saw teeth to be sharpened and the depth gauge to be adjusted simultaneously. The CS-X design ensures precise guidance and optimum sharpening results.

Contents:
The chain saw sharpener consists of a sharpener, a depth gauge file, and two Classic Line chain saw files.

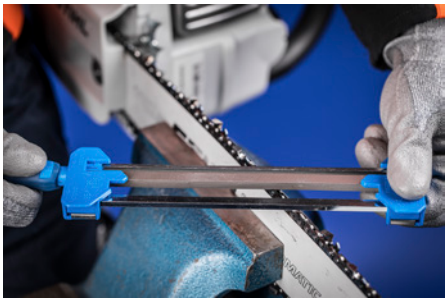
Special features:
- Turn the device over to change from the right to the left tooth—no conversion work required.
- Modern design makes it easy to replace the files.
- The chain saw sharpener provides a sharpening angle of 30°.

Image	Suitable for chain saw file diameter [Inch]	Chain pitch [Inch]	Depth gauge distance [Inch]	Suitable depth gauge file		Item no.	EDP no.
Retail point-of-sale packaging							
①	1/8	1/4 LP	0.018	11692202	1	18600742	17299
②	5/32	3/8 LP	0.025	11692202	1	11098040	17300
	3/16	.325	0.025	11692202	1	11098048	17301
	13/64	3/8	0.025	11692202	1	11098051	17303
	7/32	.404	0.03	11692202	1	11098055	17304


① ②

CHAIN SHARP® KSSG chain saw sharpeners

Easily convert the device to sharpen the right or left cutting teeth in a few steps.



Contents:
The chain saw sharpener consists of a sharpener, a Classic Line chain saw file, a depth gauge file and an ergonomic file handle.

Special features:
- Maximum precision for optimal sharpening results.
- Simultaneously sharpen the saw teeth and adjust the depth gauge.

Image	Suitable for chain saw file diameter [Inch]	Chain pitch [Inch]	Depth gauge distance [Inch]		Item no.	EDP no.
Retail point-of-sale packaging						
②	5/32	3/8 LP	0.025	1	*11099092*	17050
①	3/16	.325	0.025	1	*11098090*	17062
	7/32	.404	0.025	1	*11099090*	17049

Discontinued product

CHAIN SHARP® CS-SLS chain saw sharpener set

CHAIN SHARP® CS-SLS Set for maintaining saw chains and guide rails. The compact and ergonomic sharpener enables saw chains to be sharpened in a targeted way. The defined elevation of the chain saw file makes sharpening the saw teeth easier and prevents the connecting links of the saw chain from being damaged.

Contents:
The chain saw sharpener set consists of a sharpener, two Classic Line chain saw files, a depth gauge file with an ergonomic file handle and a depth gauge. The set is supplied in a belt pouch which protects against damage and dirt.

Special features:
- Depth gauge can be adjusted separately from the rest of the chain. The gauge supplied gives depth gauge distances of .025" (0.65 mm) for harder wood or .030" (0.75 mm) for softer wood.
- Long service life and precise and uniform sharpening results with PFERD TOOLS files. Even for semi-professional users.
- The set enables saw chains and guide rails to be maintained.

Suitable for chain saw file diameter [Inch]	Chain pitch [Inch]	Depth gauge distance [Inch]		Item no.	EDP no.
5/32	3/8 LP	0,025	1	11099140	18075
3/16	.325	0,025	1	11099148	18076
13/64	3/8	0.025	1	11099151	18077
7/32	.404	0,025	1	11099155	18078

Depth gauge files

Depth gauge files for CHAIN SHARP® CS-X

Rectangular file with cut on two sides. Designed for the CHAIN SHARP® CS-X chain saw sharpener.

Special features:
- Stock removal rate is precisely tailored to the depth gauge.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Suitable for		Item no.	EDP no.
8	2 / Second	23/64	15/64	CHAIN SHARP CS-X	10	11692202	17310

Sharpening files
Depth gauge files

Flat chain saw files for depth gauges

Rectangular file, tanged, with two round uncut (safe) edges and two cut sides. Flat chain saw files are used to file the depth gauges of saw chains.

Special features:
- Stock removal rate is precisely tailored to the depth gauge.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
6	2 / Second	5/8	3/32	12617130	10	11610153	17043
8	2 / Second	25/32	1/8	12617141	10	11610203	17044

Chisel bit files, hand

For repairing and sharpening saw chains with angular tooth base. For edge grinding saw chains. Can be used for sharpening the cutting edge and for lowering the depth gauge.

Special features:
- Highly recommended for beginners.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
7	2 / Second	1/2	7/64	12617130	1	18801226	18074

Chisel bit files, three square

For repairing and sharpening saw chains with angular tooth base. For edge grinding saw chains.

Special features:
- Particularly suitable for sharpening 3/8" chains.

Length [Inch]	Cut	Height [Inch]	Matching handle		Item no.	EDP no.
7	2 / Second	11/64	12617130	1	18801225	18073

Hand wood rasps

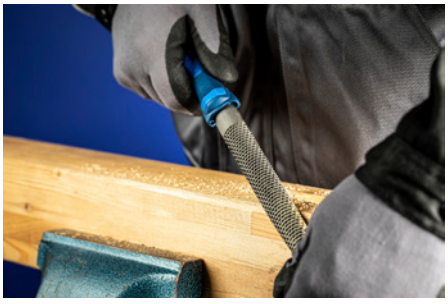
Rectangular file with cut on three sides, flat sides with rasp cut, one edge with file cut, one edge uncut. Tanged design. Particularly suitable for coarse cutting of wood.

Special features:
- High stock removal rate.
- Good chip removal.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
Industrial packaging (without handle)							
8	2 / Second	25/32	13/64	12617141	10	*11306202*	15003
10	1 / Bastard	1	1/4	12617141	10	11306251	15004

Half-round wood rasps

Half-round file, tapered with rasp cut on two sides. Tanged design. Suitable for coarse cutting of wood.



Special features:
- High stock removal rate.
- Good chip removal.

Length [Inch]	Cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
Industrial packaging (without handle)							
8	1 / Bastard	25/32	15/64	12617141	10	*11307201*	15008
	2 / Second	25/32	15/64	12617141	10	11307202	15009
10	1 / Bastard	31/32	9/32	12617141	10	11307251	15011
	2 / Second	31/32	9/32	12617141	10	11307252	15012
12	1 / Bastard	1-5/32	11/32	12617151	5	11307301	15014

Discontinued product

Rasps and wood files
Wood rasps

Round wood rasps

Round file, tapered with rasp cut all the way around the circumference. Tanged version. Designed for filing concave surfaces and crevices, and for rounding out holes.

Special features:
- High stock removal rate.
- Good chip removal.

Length [Inch]	Cut	Diameter [Inch]	Matching handle		Item no.	EDP no.
Industrial packaging (without handle)						
8	2 / Second	5/16	12617140	10	11308202	15016
10	2 / Second	3/8	12617140	10	11308252	15017

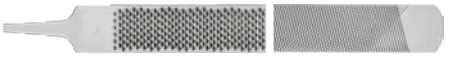
Hoof rasps

Hoof plane

Rectangular file, tanged and cut on four sides. One side fine, one side coarse. Designed for straightening the hoof surface, finishing the hoof wall, and for work on the hoof nails after trimming. File works quickly, conserving energy and easing back strain.

Special features:
- Durable.
- Very good surface quality.
- Comfortable filing for worker, and easy on the animal.

Length [Inch]	Cut	Width [Inch]	Height [Inch]		Item no.	EDP no.
14	milled	1-3/4	1/4	1	13180350	15040



Hoof rasp

Rectangular file, tanged and cut on four sides, one rasp cut flat side, one cross cut flat side, and two cut edges.

Special features:
- Very robust product.

Length [Inch]	Cut	Width [Inch]	Height [Inch]		Item no.	EDP no.
14	Rasp/filing cut 1	1-3/4	3/16	5	11313351	15039

Needle rasp set

Contains an application-oriented selection of needle rasps for work in hard-to-reach areas.

Contents:
The set contains six needle rasps. Consisting of one flat, hand, three square, square, round and half-round file.

Special features:
- Can be used with or without a file handle due to the forged shank design.
- Comes in a clear plastic pouch that protects against dirt and damage.
- Suitable for use on wood, soft stone, plastics, and hoof or horn care.

Length [Inch]	Swiss cut	Contents [Piece]		Item no.	EDP no.
5-1/2	2	6	1	12799020	15065

Precision files
Tanged files

Pottance files, hand

Small and handy hand pottance files, cut on three sides, for use on delicate steel components up to 370 HV (38 HRC). For all precision files, the cross section is measured at the uncut part of the file.

Special features:
- Meets the highest demands when it comes to geometric accuracy, cutting performance, and tool life.
- More exact in their design compared to machinist's files.
- Also perfect for assembly tasks and building complex devices or machines to the highest precision standards.

Length [Inch]	Swiss cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
4	1	1/2	1/8	12617120	12	19300103	12611
	2	1/2	1/8	12617120	12	19300104	12612
6	0	5/8	5/32	12617130	12	19300152	12616
	1	5/8	5/32	12617130	12	19300153	12617
	2	5/8	5/32	12617130	12	19300154	12618
8	00	25/32	7/32	12617141	12	19300201	12622
	0	25/32	7/32	12617141	12	19300202	12623
	1	25/32	7/32	12617141	12	19300203	12624
	2	25/32	7/32	12617141	12	19300204	12625

Pillar files, regular

Small and handy pillar files, cut on two sides, for use on delicate steel components up to 370 HV (38 HRC). For all precision files, the cross section is measured at the uncut part of the file.

Special features:
- Meets the highest demands when it comes to geometric accuracy, cutting performance, and tool life.
- More exact in their design compared to machinist's files.
- Also perfect for assembly tasks and building complex devices or machines to the highest precision standards.

Length [Inch]	Swiss cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
6	00	1/2	5/32	12617130	12	19302151	12689
	0	1/2	5/32	12617130	12	19302152	12690
	2	1/2	5/32	12617130	12	19302154	12692
8	0	9/16	3/16	12617141	12	19302202	12697
	2	9/16	3/16	12617141	12	19302204	12699
10	00	5/8	7/32	12617141	12	19302251	12702
	0	5/8	7/32	12617141	12	19302252	12703
	2	5/8	7/32	12617141	12	19302254	12705

Pillar files, slim

Small and handy slim pillar files, cut on two sides, for use on delicate steel components up to 370 HV (38 HRC). For all precision files, the cross section is measured at the uncut part of the file.

Special features:
- Meets the highest demands when it comes to geometric accuracy, cutting performance, and tool life.
- More exact in their design compared to machinist's files.
- Also perfect for assembly tasks and building complex devices or machines to the highest precision standards.

Length [Inch]	Swiss cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
6	00	5/16	1/8	12617120	12	19303151	12724
	0	5/16	1/8	12617120	12	19303152	12725
	2	5/16	1/8	12617120	12	19303154	12727
8	0	3/8	3/16	12617130	12	19303202	12731
	2	3/8	3/16	12617130	12	19303204	12733
10	0	1/2	3/16	12617130	12	19303252	12736
	2	1/2	3/16	12617130	12	19303254	12737

Pillar files, extra slim

Small and handy very slim pillar files, cut on two sides, for use on delicate steel components up to 370 HV (38 HRC). For all precision files, the cross section is measured at the uncut part of the file.

Special features:
- Meets the highest demands when it comes to geometric accuracy, cutting performance, and tool life.
- More exact in their design compared to machinist's files.
- Also perfect for assembly tasks and building complex devices or machines to the highest precision standards.

Length [Inch]	Swiss cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
6	0	1/4	1/8	12617120	12	*19304152*	12748
	2	1/4	1/8	12617120	12	19304154	12750
8	00	5/16	1/8	12617120	12	19304201	12753
	0	5/16	1/8	12617120	12	19304202	12754
	2	5/16	1/8	12617120	12	19304204	12756

Flat, thin

Small and handy rectangular files, tapered and cut on three sides, for use on delicate steel components up to 370 HV (38 HRC). For all precision files, the cross section is measured at the uncut part of the file.

Special features:
- Meets the highest demands when it comes to geometric accuracy, cutting performance, and tool life.
- More exact in their design compared to machinist's files.
- Also perfect for assembly tasks and building complex devices or machines to the highest precision standards.

Length [Inch]	Swiss cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
6	0	5/8	3/32	12617130	12	19306152	12894
	2	5/8	3/32	12617130	12	19306154	12895

Discontinued product

Precision files
Tanged files

PFERD TOOLS

Half-round

Small and handy half-round files, cut on two sides, for use on delicate steel components up to 370 HV (38 HRC). For all precision files, the cross section is measured at the uncut part of the file.

Special features:
- Meets the highest demands when it comes to geometric accuracy, cutting performance, and tool life.
- More exact in their design compared to machinist's files.
- Also perfect for assembly tasks and building complex devices or machines to the highest precision standards.

Length [Inch]	Swiss cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
4	00	1/2	1/8	12617120	12	19307101	12567
	0	1/2	1/8	12617120	12	19307102	12568
	1	1/2	1/8	12617120	12	19307103	12569
	2	1/2	1/8	12617120	12	19307104	12570
6	00	5/8	3/16	12617130	12	19307151	12574
	0	5/8	3/16	12617130	12	19307152	12575
	1	5/8	3/16	12617130	12	19307153	12576
	2	5/8	3/16	12617130	12	19307154	12577
8	00	7/8	1/4	12617141	12	19307201	12581
	0	7/8	1/4	12617141	12	19307202	12582
	1	7/8	1/4	12617141	12	19307203	12583
	2	7/8	1/4	12617141	12	19307204	12584
10	00	1	1/4	12617141	12	19307251	12587
	0	1	1/4	12617141	12	19307252	12588
	1	1	1/4	12617141	12	19307253	12589

Half-round, slim

Small and handy slim, half-round tapered files, cut on two sides, for use on delicate steel components up to 370 HV (38 HRC). For all precision files, the cross section is measured at the uncut part of the file.

Special features:
- Meets the highest demands when it comes to geometric accuracy, cutting performance, and tool life.
- More exact in their design compared to machinist's files.
- Also perfect for assembly tasks and building complex devices or machines to the highest precision standards.

Length [Inch]	Swiss cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
6	00	1/2	1/8	12617130	12	19308151	12594
	0	1/2	1/8	12617130	12	19308152	12595
	1	1/2	1/8	12617130	12	19308153	12596
	2	1/2	1/8	12617130	12	19308154	12597

Round

Small and handy round, tapered files with circumferential cut for use on delicate steel components up to 370 HV (38 HRC). For all precision files, the cross section is measured at the uncut part of the file.

Special features:
- Meets the highest demands when it comes to geometric accuracy, cutting performance, and tool life.
- More exact in their design compared to machinist's files.
- Also perfect for assembly tasks and building complex devices or machines to the highest precision standards.

Length [Inch]	Swiss cut	Diameter [Inch]	Matching handle		Item no.	EDP no.
4	2	3/16	12617120	12	19309104	12787
6	0	1/4	12617130	12	19309152	12790
	2	1/4	12617130	12	19309154	12792
8	1	5/16	12617140	12	19309203	12798
	2	5/16	12617140	12	19309204	12799

Three square

Small and handy triangular files, tapered and cut on three sides, for use on delicate steel components up to 370 HV (38 HRC). For all precision files, the cross section is measured at the uncut part of the file.

Special features:
- Meets the highest demands when it comes to geometric accuracy, cutting performance, and tool life.
- More exact in their design compared to machinist's files.
- Also perfect for assembly tasks and building complex devices or machines to the highest precision standards.

Length [Inch]	Swiss cut	Width [Inch]	Matching handle		Item no.	EDP no.
4	1	1/4	12617120	12	*19311103*	12868
6	0	3/8	12617130	12	19311152	12873
	1	3/8	12617130	12	19311153	12874
	2	3/8	12617130	12	19311154	12875
8	0	9/16	12617140	12	19311202	12879

Square

Small and handy square files, tapered and cut on four sides, for use on delicate steel components up to 370 HV (38 HRC). For all precision files, the cross section is measured at the uncut part of the file.

Special features:
- Meets the highest demands when it comes to geometric accuracy, cutting performance, and tool life.
- More exact in their design compared to machinist's files.
- Also perfect for assembly tasks and building complex devices or machines to the highest precision standards.

Length [Inch]	Swiss cut	Width [Inch]	Matching handle		Item no.	EDP no.
6	0	1/4	12617130	12	19312152	12848

Precision files
Tanged files

Crossing oval

Small and handy tapered crossing oval files for use on delicate steel components up to 370 HV (38 HRC). For all precision files, the cross section is measured at the uncut part of the file.

Special features:
- Meets the highest demands when it comes to geometric accuracy, cutting performance, and tool life.
- More exact in their design compared to machinist's files.
- Also perfect for assembly tasks and building complex devices or machines to the highest precision standards.

Length [Inch]	Swiss cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
6	2	5/8	3/16	12617130	12	19313154	12542

Knife

Small and handy triangular, tapered files with knife profile, cut on two sides, for use on delicate steel components up to 370 HV (38 HRC). For all precision files, the cross section is measured at the uncut part of the file.

Special features:
- Meets the highest demands when it comes to geometric accuracy, cutting performance, and tool life.
- More exact in their design compared to machinist's files.
- Also perfect for assembly tasks and building complex devices or machines to the highest precision standards.

Length [Inch]	Swiss cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
6	0	11/16	3/16	12617130	12	19314152	12654
	2	11/16	3/16	12617130	12	19314154	12656
8	0	7/8	3/16	12617141	12	19314202	12659
	2	7/8	3/16	12617141	12	19314204	12661

Barrette

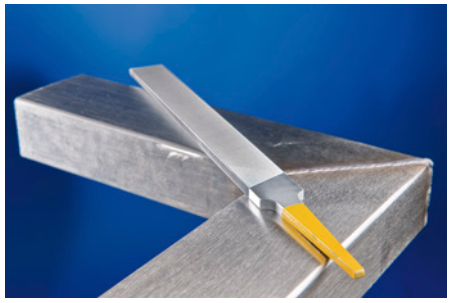
Small and handy tapered barette files, cut on one side, for use on delicate steel components up to 370 HV (38 HRC). For all precision files, the cross section is measured at the uncut part of the file.

Special features:
- Meets the highest demands when it comes to geometric accuracy, cutting performance, and tool life.
- More exact in their design compared to machinist's files.
- Also perfect for assembly tasks and building complex devices or machines to the highest precision standards.

Length [Inch]	Swiss cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
6	0	5/8	3/16	12617130	12	19315152	12508
	2	5/8	3/16	12617130	12	19315154	12510
8	0	7/8	3/16	12617141	12	19315202	12512
	2	7/8	3/16	12617141	12	19315204	12513

Pottance files, hand

Hand pottance files, cut on three sides. The extremely wear-resistant CORINOX files have an exceptional surface hardness grade of 1,200 HV (Vickers scale).



Special features:

- Unparalleled performance on difficult to machine, like stainless steel (INOX), high-temperature-resistant materials, hard non-ferrous metals and fibre-reinforced thermosetting plastics (GRP, CRP).
- Lower tendency to cause loading.

Length [Inch]	Swiss cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
6	00	5/8	5/32	12617130	12	*19600151*	15100
					1	19600800	15100
	0	5/8	5/32	12617130	12	*19600152*	15101
					1	19600801	15101
8	00	25/32	7/32	12617141	12	*19600201*	15103
					1	19600802	15103
	0	25/32	7/32	12617141	12	*19600202*	15104
					1	19600205	15104
						19600805	15135
	2	25/32	7/32	12617141	12	*19600204*	15105
					1	19600206	15105
10	00	31/32	1/4	12617141	12	*19600251*	15133
					1	19600803	15133
	0	31/32	1/4	12617141	12	*19600252*	15134
					1	19600804	15134
	2	31/32	1/4	12617141	12	*19600254*	15135

Pillar files, regular

Pillar files, cut on two sides. The extremely wear-resistant CORINOX files have an exceptional surface hardness grade of 1,200 HV (Vickers scale).

Special features:
- Unparalleled performance on difficult to machine, like stainless steel (INOX), high-temperature-resistant materials, hard non-ferrous metals and fibre-reinforced thermosetting plastics (GRP, CRP).
- Lower tendency to cause loading.

Length [Inch]	Swiss cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
6	00	1/2	5/32	12617130	12	*19602151*	15106
					1	19602810	15106
	0	1/2	5/32	12617130	12	*19602152*	15107
					1	19602811	15107
8	00	9/16	7/32	12617141	12	*19602201*	15109
					1	19602812	15109
	0	9/16	7/32	12617141	12	*19602202*	15110
					1	19602813	15110
	2	9/16	7/32	12617141	12	*19602204*	15111
				-	1	19602814	15111

Tang files, half-round

Half-round tapered tang files, cut on two sides. The extremely wear-resistant CORINOX files have an exceptional surface hardness grade of 1,200 HV (Vickers scale).

Special features:
- Unparalleled performance on difficult to machine, like stainless steel (INOX), high-temperature-resistant materials, hard non-ferrous metals and fibre-reinforced thermosetting plastics (GRP, CRP).
- Lower tendency to cause loading.

Length [Inch]	Swiss cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
6	0	9/32	5/32	12617130	12	*19607152*	15113
					1	19607835	15113
8	0	3/4	7/32	12617141	12	*19607202*	15116
					1	19607205	15116
	2	3/4	7/32	12617141	12	*19607204*	15117
					1	19607206	15117

Discontinued product
New item

Round

Round, tapered files. The extremely wear-resistant CORINOX files have an exceptional surface hardness grade of 1,200 HV (Vickers scale).

Special features:
- Unparalleled performance on difficult to machine, like stainless steel (INOX), high-temperature-resistant materials, hard non-ferrous metals and fibre-reinforced thermosetting plastics (GRP, CRP).
- Lower tendency to cause loading.

Length [Inch]	Swiss cut	Diameter [Inch]	Matching handle		Item no.	EDP no.
8	0	5/16	12617140	12	*19609202*	15122
				1	19609206	15122
	2	5/16	12617140	12	*19609204*	15123
				1	19609207	15123

Three square

Triangular files, tapered and cut on three sides. The extremely wear-resistant CORINOX files have an exceptional surface hardness grade of 1,200 HV (Vickers scale).

Special features:
- Unparalleled performance on difficult to machine, like stainless steel (INOX), high-temperature-resistant materials, hard non-ferrous metals and fibre-reinforced thermosetting plastics (GRP, CRP).
- Lower tendency to cause loading.

Length [Inch]	Swiss cut	Width [Inch]	Matching handle		Item no.	EDP no.
8	0	5/8	12617140	12	*19611202*	15128
	-	5/8	12617140	1	19611206	15128
	2	5/8	12617140	12	*19611204*	15129
	-	5/8	12617140	1	19611207	15129

Square

Square files, tapered and cut on four sides. The extremely wear-resistant CORINOX files have an exceptional surface hardness grade of 1,200 HV (Vickers scale).

Special features:
- Unparalleled performance on difficult to machine, like stainless steel (INOX), high-temperature-resistant materials, hard non-ferrous metals and fibre-reinforced thermosetting plastics (GRP, CRP).
- Lower tendency to cause loading.

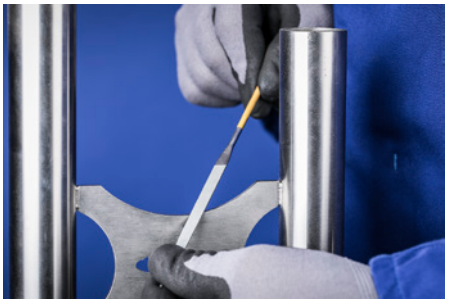
Length [Inch]	Swiss cut	Width [Inch]	Matching handle		Item no.	EDP no.
6	0	7/32	12617130	12	*19612152*	15131
				1	19612156	15131
	2	7/32	12617130	12	*19612154*	15132
				1	19612158	15132

Precision files
CORINOX needle files

PFERD TOOLS

Flat

Rectangular files, tapered and cut on four sides. The extremely wear-resistant CORINOX needle files have an exceptional surface hardness grade of 1,200 HV (Vickers scale) and can be used to file very small and delicate components with precision.



Special features:
- Unparalleled performance on difficult to machine, like stainless steel (INOX), high-temperature-resistant materials, hard non-ferrous metals and fibre-reinforced thermosetting plastics (GRP, CRP).
- Lower tendency to cause loading.

Length [Inch]	Swiss cut	Tang diameter [Inch]	Width [Inch]	Height [Inch]		Item no.	EDP no.
7	0	5/32	7/32	1/16	12	12471182	15201
	2	5/32	7/32	1/16	12	12471184	15203

Hand

Hand files, cut on three sides. The extremely wear-resistant CORINOX needle files have an exceptional surface hardness grade of 1,200 HV (Vickers scale) and can be used to file very small and delicate components with precision.

Special features:
- Unparalleled performance on difficult to machine, like stainless steel (INOX), high-temperature-resistant materials, hard non-ferrous metals and fibre-reinforced thermosetting plastics (GRP, CRP).
- Lower tendency to cause loading.

Length [Inch]	Swiss cut	Tang diameter [Inch]	Width [Inch]	Height [Inch]		Item no.	EDP no.
7	0	5/32	7/32	1/16	12	12472182	15211
	2	5/32	7/32	1/16	12	12472184	15213

Three square

Triangular files, tapered and cut on three sides. The extremely wear-resistant and sturdy CORINOX needle files have an exceptional surface hardness grade of 1,200 HV (Vickers scale) and can be used to file very small and delicate components with precision.

Special features:
- Unparalleled performance on difficult to machine, like stainless steel (INOX), high-temperature-resistant materials, hard non-ferrous metals and fibre-reinforced thermosetting plastics (GRP, CRP).
- Lower tendency to cause loading.

Length [Inch]	Swiss cut	Tang diameter [Inch]	Diameter [Inch]		Item no.	EDP no.
7	0	5/32	5/32	12	12474182	15221
	2	5/32	5/32	12	12474184	15223

Square

Square files, tapered and cut on four sides. The extremely wear-resistant and sturdy CORINOX needle files have an exceptional surface hardness grade of 1,200 HV (Vickers scale) and can be used to file very small and delicate components with precision.

Special features:
- Unparalleled performance on difficult to machine, like stainless steel (INOX), high-temperature-resistant materials, hard non-ferrous metals and fibre-reinforced thermosetting plastics (GRP, CRP).
- Lower tendency to cause loading.

Length [Inch]	Swiss cut	Tang diameter [Inch]	Diameter [Inch]		Item no.	EDP no.
7	0	5/32	7/64	12	12475182	15231
	2	5/32	7/64	12	12475184	15233

Round

Round, tapered files. The extremely wear-resistant and sturdy CORINOX needle files have an exceptional surface hardness grade of 1,200 HV (Vickers scale) and can be used to file very small and delicate components with precision.

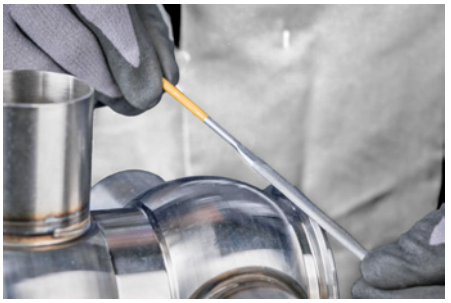
Special features:
- Unparalleled performance on difficult to machine, like stainless steel (INOX), high-temperature-resistant materials, hard non-ferrous metals and fibre-reinforced thermosetting plastics (GRP, CRP).
- Lower tendency to cause loading.

Length [Inch]	Swiss cut	Tang diameter [Inch]	Diameter [Inch]		Item no.	EDP no.
7	0	5/32	9/64	12	12476182	15241
	2	5/32	9/64	12	12476184	15243

Precision files
CORINOX needle files

Half-round

Half-round, tapered files, cut on two sides. The extremely wear-resistant CORINOX needle files have an exceptional surface hardness grade of 1,200 HV (Vickers scale) and can be used to file very small and delicate components with precision.



Special features:
- Unparalleled performance on difficult to machine, like stainless steel (INOX), high-temperature-resistant materials, hard non-ferrous metals and fibre-reinforced thermosetting plastics (GRP, CRP).
- Lower tendency to cause loading.

Length [Inch]	Swiss cut	Tang diameter [Inch]	Width [Inch]	Height [Inch]		Item no.	EDP no.
7	0	5/32	7/32	3/32	12	12478182	15251
	2	5/32	7/32	3/32	12	12478184	15253

Needle files

Flat

The rectangular, tapered files, cut on four sides, are ideal for working on very small surfaces, cut-outs, profiles, and radii. Additional needle file cuts not listed in the table are available upon special request with a delivery time of approx. 12-14 weeks.

Special features:
- Can be used with or without a needle file handle due to the strong tang.
- Suitable for use on steels up to 370 HV (38 HRC).

Length [Inch]	Swiss cut	Tang diameter [Inch]	Width [Inch]	Height [Inch]		Item no.	EDP no.
Flat							
5-1/2	0	7/64	13/64	3/64	12	12505061	12011
	2	7/64	13/64	3/64	12	12505063	12050
6-1/4	0	1/8	7/32	3/64	12	12505081	12012
	2	1/8	7/32	3/64	12	12505083	12051

Hand

The rectangular files, cut on four sides, are ideal for working on very small surfaces, cut-outs, profiles, and radii. Additional needle file cuts not listed in the table are available upon special request with a delivery time of approx. 12-14 weeks.

Special features:
- Can be used with or without a needle file handle due to the strong tang.
- Suitable for use on steels up to 370 HV (38 HRC).

Length [Inch]	Swiss cut	Tang diameter [Inch]	Width [Inch]	Height [Inch]		Item no.	EDP no.
Hand							
5-1/2	0	7/64	13/64	3/64	12	12501061	12029
	2	7/64	13/64	3/64	12	12501063	12068
6-1/4	0	1/8	7/32	3/64	12	12501081	12030
	2	1/8	7/32	3/64	12	12501083	12069

Crossing oval

The crossing files, cut on two sides, are ideal for working on very small surfaces, cut-outs, profiles and radii. Additional needle file cuts not listed in the table are available upon special request with a delivery time of approx. 12-14 weeks.

Special features:
- Can be used with or without a needle file handle due to the strong tang.
- Suitable for use on steels up to 370 HV (38 HRC).

Length [Inch]	Swiss cut	Tang diameter [Inch]	Width [Inch]	Height [Inch]		Item no.	EDP no.
Crossing oval							
5-1/2	2	7/64	3/16	5/64	12	12504063	12065
6-1/4	2	1/8	13/64	5/64	12	12504083	12066

Three square

Triangular, tapered files, cut on three sides, are ideal for working on very small surfaces, cut-outs, profiles, and radii. Additional needle file cuts not listed in the table are available upon special request with a delivery time of approx. 12-14 weeks.

Special features:
- Can be used with or without a needle file handle due to the strong tang.
- Suitable for use on steels up to 370 HV (38 HRC).

Length [Inch]	Swiss cut	Tang diameter [Inch]	Width [Inch]		Item no.	EDP no.
Three square						
5-1/2	0	7/64	11/64	12	12508061	12008
	2	7/64	11/64	12	12508063	12047
6-1/4	0	1/8	9/64	12	12508081	12009
	2	1/8	9/64	12	12508083	12048

Precision files
Needle files

PFERD TOOLS

Square

Square, tapered files, cut on four sides, are ideal for working on very small surfaces, cut-outs, geometries, profiles and radii. Additional needle file cuts not listed in the table are available upon special request with a delivery time of approx. 12-14 weeks.

Special features:
- Can be used with or without a needle file handle due to the strong tang.
- Suitable for use on steels up to 370 HV (38 HRC).

Length [Inch]	Swiss cut	Tang diameter [Inch]	Width [Inch]		Item no.	EDP no.
Square						
5-1/2	0	7/64	3/32	12	12511061	12005
	2	7/64	3/32	12	12511063	12044
6-1/4	0	1/8	3/32	12	12511081	12006
	2	1/8	3/32	12	12511083	12045

Knife

Triangular files with knife profile, cut on two sides, are ideal for working on very small surfaces, cut-outs, profiles and radii. Additional needle file cuts not listed in the table are available upon special request with a delivery time of approx. 12-14 weeks.

Special features:
- Can be used with or without a needle file handle due to the strong tang.
- Suitable for use on steels up to 370 HV (38 HRC).

Length [Inch]	Swiss cut	Tang diameter [Inch]	Width [Inch]	Height [Inch]		Item no.	EDP no.
Knife shape							
5-1/2	2	7/64	7/32	1/16	12	12506063	12053
6-1/4	0	1/8	15/64	5/64	12	12506081	12015
	2	1/8	15/64	5/64	12	12506083	12054

Round

Round files are ideal for working on very small surfaces, cut-outs, profiles and radii. Additional needle file cuts not listed in the table are available upon special request with a delivery time of approx. 12-14 weeks.

Special features:
- Can be used with or without a needle file handle due to the strong tang.
- Suitable for use on steels up to 370 HV (38 HRC).

Length [Inch]	Swiss cut	Tang diameter [Inch]	Width [Inch]		Item no.	EDP no.
Round						
5-1/2	0	7/64	7/64	12	12512061	12002
	2	7/64	7/64	12	12512063	12041
	4	7/64	7/64	12	12512064	12078
6-1/4	0	1/8	1/8	12	12512081	12003
	2	1/8	1/8	12	12512083	12042
	4	1/8	1/8	12	12512084	12079

Half-round

Half-round files, cut on two sides, are ideal for working on very small surfaces, cut-outs, profiles and radii. Additional needle file cuts not listed in the table are available upon special request with a delivery time of approx. 12-14 weeks.

Special features:
- Can be used with or without a needle file handle due to the strong tang.
- Suitable for use on steels up to 370 HV (38 HRC).

Length [Inch]	Swiss cut	Tang diameter [Inch]	Width [Inch]	Height [Inch]		Item no.	EDP no.
Half-round							
5-1/2	0	7/64	13/64	1/16	12	12509061	12017
	2	7/64	13/64	1/16	12	12509063	12056
6-1/4	0	1/8	7/32	5/64	12	12509081	12018
	2	1/8	7/32	5/64	12	12509083	12057

Precision files
Needle file sets

①

②

Needle file sets

Contains an application-oriented selection of needle files.

Contents:
The set contains 12 needle files. The set comprises one each of the following needle files: flat, hand, crossing oval, three square, square, round, knife, half-round, barrette, flat with round edges, hand with round edges, crossing oval round oval.

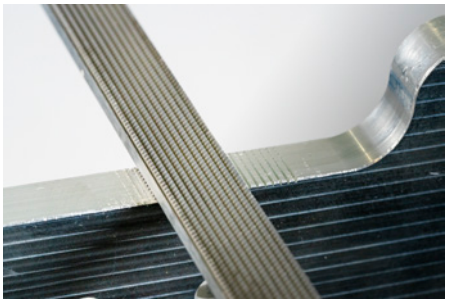
Special features:
- Supplied in a PVC plastic pouch or a practical plastic box.

Image	Length [Inch]	Swiss cut	Contents [Piece]		Item no.	EDP no.
PVC plastic pouch						
①	6-1/4	1	12	1	12704082	12039
		2	12	1	*12704084*	-
Plastic box						
②	6-1/4	2	12	1	12799010	12150

Fluted files

Checkering files

Special files for creating textured surfaces. Checkering files allow for the precise creation of grooved textures on grip surfaces to improve grip, control, and maneuverability. Due to their unique structure, these files are also used to apply decorative elements.



Special features:
- A selection of different cuts for producing patterns and surface textures ranging from bold to very delicate.
- Create high-quality surfaces with decorative and functional added value.
- Suitable for use on a wide variety of materials.

Length [Inch]	Swiss cut	Width [Inch]	Height [Inch]	Matching handle		Item no.	EDP no.
6	00	1/2	3/16	12617130	1	18110000	18900
	0	1/2	3/16	12617130	1	18110001	18901
	1	1/2	3/16	12617130	1	18110002	18902
	2	1/2	3/16	12617130	1	18110003	18903
	4	1/2	3/16	12617130	1	18110004	18904

Discontinued product
New item

File handles and file brush
File handles

PFERD TOOLS

① ② ③ ④

Ergonomic file handles

Ergonomic file handles for comfortable and safe work. Soft plastic with a hard and stable internal components.

Special features:
- Protects hands against sharp edges and corners.
- Ergonomic design optimizes haptic experience.
- Prevents files from rolling away.

Image	Suitable for file length [Inch]	Total length [Inch]	Suitable for		Item no.	EDP no.
①	4, 6	4-1/4	Shapes square, round, key files	10	12617120	11143
			Profiles: hand, flat, half-round, half-round pointed, three square. Profiles: square, round; for file length 6" suitable file handle is 12617130.	10	12617130	11144
②	8, 10	4-1/2	Profiles: three square (file handle FH 5 is suitable for a file length of 10"), square, round, special shapes	10	12617140	11145
③	8, 10	4-1/2	Shapes: hand, flat, half-round	10	12617141	11146
②	12, 14	4-1/2	Shapes: three square, square, round, special shapes	10	12617150	11147
④	12, 14	4-1/2	Shapes: hand, flat, half-round	10	12617151	11148

① ② ③

Plastic file handles

Sturdy plastic file handles for comfortable use.

Special features:
- Wide collar reduces fatigue and increases safety.
- Handle structure allows for good force transmission and file control.
- Air chambers reduce hand moisture.

Image	Suitable for file length [Inch]	Total length [Inch]	Suitable for		Item no.	EDP no.
①	4, 6	3-1/2	Key files	10	12616108	11130
			All tangs	10	12616109	11131
②	8, 10	4-1/4	All tangs	10	12616111	11132
③	12, 14	5-25/32	All tangs	10	12616113	11133

File handles and file brush
Quick-mounting handles

Quick-mounting handle

Quick-mounting handle for needle files, diamond files, and smaller machinist and precision files.

Special features:
- Reliably clamp the file tang into the handle by simply twisting the two halves of the handle.

Suitable for file length [Inch]	Suitable for tang diameter [Inch]	Total length [Inch]		Item no.	EDP no.
5-1/2, 6-1/4, 7, 8	7/64, 1/8, 5/32	3-1/2	10	12605004	16174

①

②

Needle file holder

Quick-mounting handles for needle files with 1/8" tang diameter.

Special features:
- Practical and lightweight.
- Available in two materials.

Image	Suitable for file length [Inch]	Total length [Inch]		Item no.	EDP no.
①	5-1/2, 6-1/4, 7	4	10	12299004	16075
②	5-1/2, 6-1/4, 7	3-5/8	10	12299010	16076

File brush

File brush

The file brush effortlessly cleans chips from clogged file teeth. With sturdy wooden handle with wear-resistant steel wire filament.

Special features:
- Easy to clean.
- Durable.

Length [Inch]		Item no.	EDP no.
Steel wire (ST)			
9-1/8	5	12601000	17146
Steel wire (ST) / nylon			
9-1/8	5	18301035	17147

Hand deburrer

Easy change blades and countersinks for efficient deburring, chamfering, or reworking of different materials and contours. Hard-to-reach areas, bores, inner and outer diameters, thread and grooves can be worked on effortlessly by hand.

Special features:

- Easy to control and use with the special engineered holder.
- The pivot-mounted adapter system makes handling and changing the deburrer very simple.
- Ergonomic file handle protects hands against sharp edges and prevents tool from rolling away.

Image	Diameter [Inch]	Use for	Countersink dia. [Inch]		Item no.	EDP no.
Holder for hand deburrer						
①	-	All types	-	1	12605005	19500
Deburring blades						
②	1/8	Steel, aluminum	-	10	14300010	19510
③	1/8	Plastics, other soft materials	-	10	14300020	19512
④	1/8	Non-ferrous metals	-	10	14300030	19514
Mini file						
⑤	1/8	General use	-	1	14300040	19520
Deburring countersink						
⑥	1/8	General use	3/8	1	14300050	19530
⑦	1/8	General use	5/8	1	14300060	19532

PFERD
TOOLS

Milling, holemaking and deburring products

Milling, holemaking and deburring products
Table of contents

Milling, holemaking and deburring products

- Highlights from the PFERD TOOLS range 76
- General information 77
- Bur shapes 80
- Quick product selection guide 82

Carbide burs, universal line

- For fine and coarse stock removal 90

Carbide burs, high performance line

- OMNI cut for versatile use 104
- STEEL cut for steel and cast steel 112
- INOX cut for stainless steel (INOX) 115
- ALU cut for aluminum/non-ferrous metals 119
- CAST cut for cast iron 124
- TOUGH cut for tough applications 127
- MICRO cut for finishing work 131
- EDGE cut for work on edges 134

Milling tools for robot applications

- Milling tools for deburring and chamfering 137

HSS rotary cutters

- HSS finishing cutters 139

Milling tools with cutting inserts

- **ALU**MASTER® High Speed Disc 142
- EDGE Cutting system for work on edges 144

Drilling products

- HSS twist drill bits 147

Countersink products

- HSS countersink 153

Bi-metal hole saws, sets and accessories

- Bi-metal hole saws 154
- Bi-metal hole saw sets 155
- Accessories 156

Milling, holemaking and deburring products
Highlights from the PFERD TOOLS range

PFERD TOOLS

High-performance OMNI cut HC-FEP

For machining tasks on all materials, many users rely on conventional uncoated double cut burs. However, especially at high cutting speeds and during extended operating times, uncoated double cut burs quickly reach their limits.

With the OMNI HC-FEP cut, PFERD TOOLS has developed high-performance end mills that clearly stand out from uncoated double cut bur designs—not only due to their up to 250% higher stock removal rate but also because of their extremely long service life. The result: maximum cost-effectiveness thanks to the highest stock removal rate and a longer service life. Scan the QR code to learn more about the OMNI high-performance tooth profile from PFERD TOOLS.

Advantages:
- Saves time and money with very high stock removal rate on key materials.
- Comfortable working due to reduced vibration and noise.

- High-quality HICOAT coating HC-FEP for high hardness and wear resistance.

ALUMASTER® **High Speed Disc**

High stock removal rate, reduced tendency to clog, and large chips instead of health-hazardous dust are just three of the many reasons to use milling tools for machining aluminum.

PFERD TOOLS has developed innovative milling tools with cutting inserts, such as the **ALU**MASTER® High Speed Disc, for the safe and efficient machining of aluminum. From milling out holes to machining welds and fillet welds, to edge and surface finishing, these unique milling tools are highly versatile and are also suitable for robot-assisted applications.

Scan the QR code to learn more about PFERD TOOLS' milling tools with cutting inserts.

Advantages:
- Does not generate hazardous or explosive aluminum dust.
- Does not require a dust extraction system.
- Exceptionally high stock removal rate.

- Turnable and replaceable tungsten carbide cutting inserts.

HICOAT® coating

PFERD TOOLS offers products with HICOAT® coatings to tackle particularly demanding applications. Three different coatings are available. The HICOAT® coating HC-FEP is specifically designed for iron and steel materials.The HICOAT® coating HC-NFE is mainly used for removing material in long chips and lubricating aluminum alloys and non-ferrous metals. The HICOAT® coating HC-STS is available on special request and is optimized for use on stainless steels. In general, all PFERD TOOLS tungsten carbide burs are also available with HICOAT® coatings upon special request. Scan the QR code to find out more about PFERD TOOLS' HICOAT® coatings.

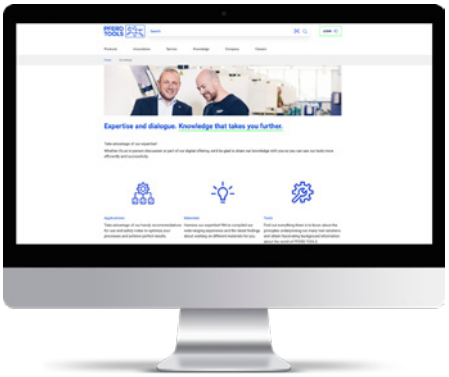
Advantages:
- Improved anti-adhesion characteristics.
- Effective chip discharge.
- Lower thermal loads.
- Increased service life.
- Burs with the HICOAT® coating HC-FEP achieve a much longer tool life than uncoated burs.

Milling, holemaking and deburring products
Highlights from the PFERD TOOLS range

PFERD TOOLS

Find additional in-depth information online

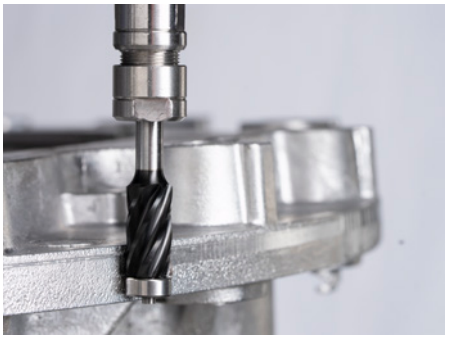
Scan the QR code to find out a wide range of tool and application knowledge relating to PFERD TOOLS' high-quality tools and their huge variety of materials.

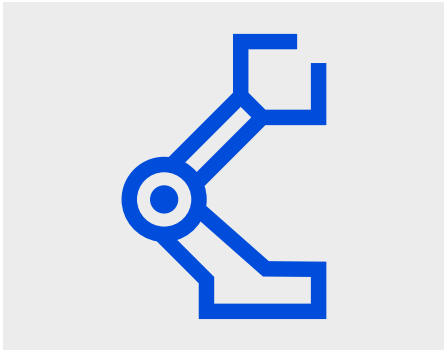


General information

Milling tools for robot applications

From standard applications to the machining of demanding materials, PFERD TOOLS offers an application-optimized portfolio for milling operations in robot-guided applications. Milling tools from PFERD TOOLS for robotic use stand out thanks to the highest quality standards in the manufacturing process, as well as their high performance and wear resistance. The result: significant reductions in process costs and optimization of process chains. Scan the QR code now to learn more.





Quick product selection guide

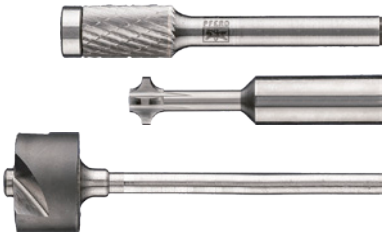
To provide the best possible overview of our high-performance robotics product line, we have marked all milling tools that are particularly well-suited for robot-guided use with a pictogram. In addition to the milling tools specifically optimized for robotic applications, selected coated tungsten carbide burrs with shank diameters of 6 mm or larger can also be used on robots.

Technical customer support

We are also happy to develop custom solutions for your robotic applications. PFERD TOOLS has a long tradition of developing tools for robotic use. Our in-house research and development team, along with our experienced application engineers, has already optimized numerous robotic applications worldwide. You can find our global sales locations at **www.pferd.com**.

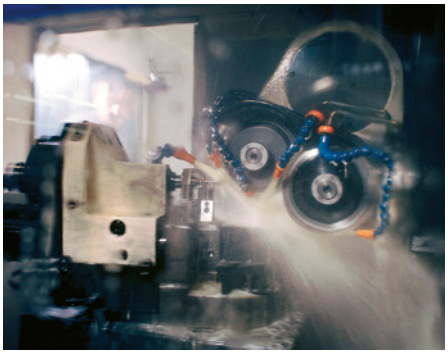
Custom-made products

If you cannot find the solution for your particular application in our comprehensive catalog range, we are happy to produce milling tools to meet your requirements. Our sales representatives and technical advisers will be help analyze your task. Your specifications, drawings relating to cuts, shank diameters, special lengths, special shapes and coatings can all be taken into account.



Resharpening

For information on resharpening, please contact your PFERD TOOLS customer service representative.



Safety notes

- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.

Wear eye protection!

Wear hearing protection!

Wear dust respirators!

Wearing protective gloves is recommended. Operate the power tool using both hands.

Observe the recommended rotational speed, especially when using burs with 6" extended shanks!

Observe the contact angle of 5–60° (**ALU**MASTER®)!

Tighten the bolts!

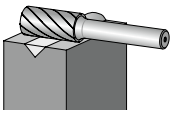
Do not use if damaged!

Do not use for cutting!

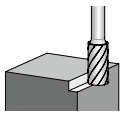
CE-marked

Milling, holemaking and deburring products
Bur shapes

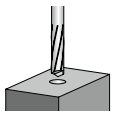
PFERD TOOLS



Shape A
Cylindrical shape

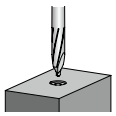


Shape B
Cylindrical shape with end cut



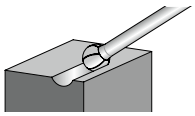
ZYA BS
Cylindrical shape with drill cut

Available on special request.



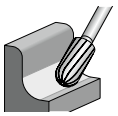
ZYA ZBS
Cylindrical shape with center drill

Available on special request.

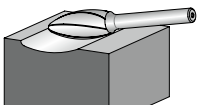


Shape D
Ball shape

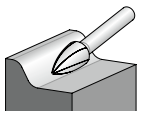
Available on special request.



Shape C
Cylindrical shape with radius end

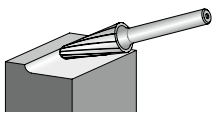


Shape H
Flame shape

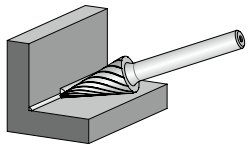


Shape G
Pointed tree shape

Available on special request.

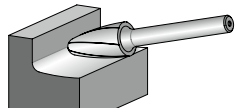


Shape L
14° Taper bur with radius end

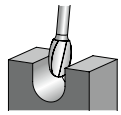


Shape M
Conical pointed shape

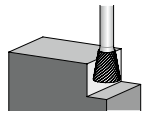
Available on special request.



Shape F
Tree shape with radius end

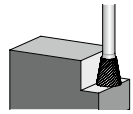


Shape E
Oval shape



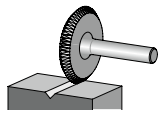
WKN
Inverted cones

Available on special request.



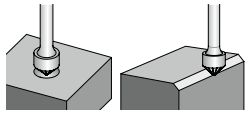
WKNS/HSS W-ST
Inverted cones with end cut

Available on special request.



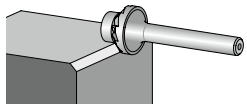
N
Disc shape

Available on special request.

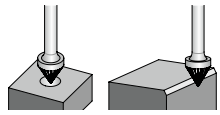


KSK
Conical counterbore shape 90°

Available on special request.

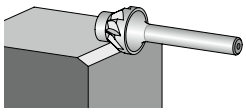


EDGE 45°
EDGE 45° shape

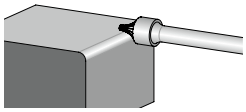


KSJ
Conical counterbore shape 60°

Available on special request.

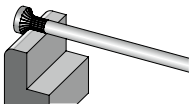


EDGE 30°
EDGE 30° shape



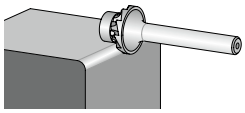
V
Concave radius burs

Available on special request.



R
Radius burs

Available on special request.



EDGE R-1/8”
EDGE R-1/8 shape

Milling, holemaking and deburring products
Quick product selection guide

PFERD TOOLS

Application	Material group			Used for	High-performance application	Universal application
Deburring, chamfering, milling out for the preparation of build-up welding, machining weld seams, machining contours, cleaning cast material	Steel, cast steel	Steels up to 370 HV (< 38 HRC)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, cast steel, tempering steels	Coarse stock removal	STEEL	Double cut
					OMNI	
				Fine stock removal	MICRO	-
		Hardened, heat-treated steels over 370 HV (> 38 HRC)	Tool steels, tempering steels, alloyed steels, cast steel	Coarse stock removal	STEEL	Double cut
					OMNI	
				Fine stock removal	MICRO	-
	Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels	Coarse stock removal	INOX	Diamond cut
					OMNI	
				Fine stock removal	MICRO	-
	Non-ferrous metals	Soft non-ferrous metals	Aluminum alloys	Coarse stock removal	ALU	-
				Fine stock removal		
			Brass, copper, zinc	Coarse stock removal	ALU	-
					OMNI	
				Fine stock removal	ALU	Single cut
		Hard non-ferrous metals	Bronze, titanium/ titanium alloys, hard aluminum alloys (high Si content)	Coarse stock removal	TITANIUM	Diamond cut
					ALU	
					INOX	
					OMNI	
				Fine stock removal	MICRO	-
		High-temperature-resistant materials	Nickel-based and cobalt-based alloys (engine and turbine construction)	Coarse stock removal	On request	Diamond cut
				Fine stock removal	MICRO	-
	Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite, with nodular graphite/nodular cast iron, white annealed cast iron, black annealed cast iron	Coarse stock removal	CAST	Double cut
					OMNI	
				Fine stock removal	MICRO	Single cut
Milling out, machining contours	Plastics, other materials	Thermoplastics, fibre-reinforced plastics (GRP/CRP) with a fibre content ≤ 40%		Coarse stock removal	On request	-
Trimming, contour milling, cutting out holes		Thermoplastics, fibre-reinforced plastics (GRP/CRP) with a fibre content > 40%			ALU	

Special applications

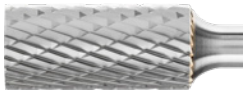
Application	High-performance application	Universal application
Work on edges	Carbide burs for work on edges	-
Applications resulting in broken teeth	Carbide burs – TOUGH cut	-
Cutting out round holes	-	Bi-metal hole saws
Machining butt welds and fillet welds, work on edges/ chamfering using an angle grinder	**ALU**MASTER® High Speed Disc	-

Carbide burs
PFERD TOOLS cuts

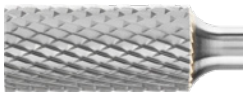
Universal line PFERD TOOLS cuts

Cut 1 (C according to DIN 8033)
- Machining of non-ferrous metals, steel and cast iron.
- High material removal and good surface finishes.

Single cut
- Machining of steel, cast iron, stainless steel (INOX), nickel-based alloys and titanium alloys.
- High material removal and good surface finishes.
- Ideal surface finish.
- Burs with the HICOAT® coating HC-FEP achieve a much longer tool life than uncoated burs.



Double cut
- Similar to the single cut, but with additional cross cut.
- Machining of steel, cast iron, stainless steel (INOX), nickel-based alloys and titanium alloys.
- High material removal and good surface finishes.
- Burs with the HICOAT® coating HC-FEP achieve a much longer tool life than uncoated burs.

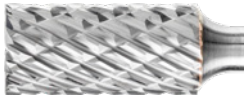


Diamond cut
- Machining of stainless steel (INOX), steel and high-temperature-resistant materials such as nickel-based and cobalt-based alloys.
- High stock removal with short chips.
- Ideal surface finish.
- Burs with the HICOAT® coating HC-FEP achieve a much longer tool life than uncoated burs.

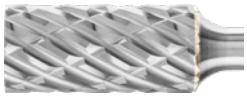
Cut 5 (F according to DIN 8033)
- Fine machining of steel, cast iron, stainless steel (INOX) and high-temperature-resistant materials such as nickel-based and cobalt-based alloys.
- Ideal surface finish.
- Burs with HICOAT® coating HC-FEP for high hardness and wear resistance.

Available on special request.

High-performance line PFERD TOOLS cuts



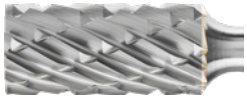
OMNI cut
- High stock removal rate on key materials such as steel, cast steel, stainless steel (INOX), non-ferrous metals and cast iron.
- Visually similar to the double cut bur but with a significantly higher stock removal rate.
- Burs with the HICOAT® coating HC-FEP achieve a much longer tool life than uncoated burs.



STEEL cut
- Extremely high stock removal rate on steel and cast steel.
- Smooth milling.
- Reduced vibration and less noise.
- Burs with the HICOAT® coating HC-FEP achieve a much longer tool life than uncoated burs.

INOX cut
- Extremely high stock removal rate on all austenitic, rust and acid-resistant steels, stainless steel (INOX) and soft titanium alloys (tensile strength < 500 N/mm^2).
- Significantly reduced vibration and less noise.
- Burs with HICOAT coating HC-STS demonstrate high hardness and wear resistance in comparison with uncoated burs.

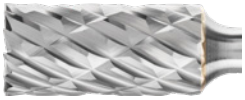
ALU cut
- High stock removal rate on aluminum and aluminum alloys, non-ferrous metals and plastics.
- Smooth milling.
- High-quality HICOAT® coating HC-NFE for aluminum alloys and non-ferrous metals suitable for heavy-duty machining and lubrication.
- Can be used with peripheral speeds of up to 3,600 SFPM.



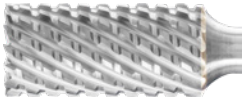
NON-FERROUS cut
- High stock removal rate on non-ferrous metals, brass, copper, plastics and fibre-reinforced plastics.
- Designed for universal use.

Available on special request.

Carbide burs
PFERD TOOLS cuts



CAST cut
- Extremely high stock removal rate on cast iron.
- Smooth milling.
- Reduced vibration and less noise.



TITANIUM cut
- Outstanding stock removal rate and service life on hard titanium alloys.
- Significantly increased aggressiveness, creates large chips, and has very good chip removal.
- Reduced vibration and less noise.
- For soft titanium alloys (tensile strength < 500 N/mm^2), PFERD TOOLS recommends the INOX cut.

Available on special request.

EDGE cut HC-FEP
- Creates exact edge shapes with either 30° or 45° chamfering or to a defined radius of 1/8".
- Safe and comfortable use.
- Burs with HICOAT® coating HC-FEP for high hardness and wear resistance.

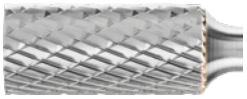
PLAST cut
- Trimming and contour milling of workpieces made from less hard glass and carbon-fibre-reinforced duroplastics (GRP and CRP with ≤ 40 % fibre content) and fibre-reinforced thermoplastics.
- Minimized delamination and fraying through straight cut.
- Ideal for use on machines and on robots.
- Reduced vibration and less noise.

FVK cut
- Trimming and contour milling of workpieces made from hard glass and carbon-fibre-reinforced duroplastics (also GRP and CRP > 40 %).

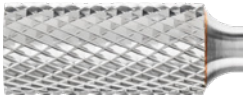
Available on special request.

FVKS cut
- Similar to the FVK cut.
- Smooth milling.
- Generates smooth cut edges.
- For use on machines and robots with high feed rates.

Available on special request.

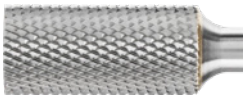


TOUGH cut
- High stock removal rate on cast iron, steel up to 580 HV (54 HRC).
- Extremely resistant to impact.
- Also designed for use with high surface contact angles > 1/3 and under impact loads.



TOUGH-S cut
- High stock removal rate on cast iron, steel up to 580 HV (54 HRC).
- Similar to the TOUGH cut, but with smoother milling and shorter chips.
- Extremely resistant to impact.
- Also designed for use with high surface contact angles > 1/3 and under impact loads.

Available on special request.



MICRO cut
- Good stock removal on almost all materials up to 940 HV (68 HRC).
- High surface quality.
- Reduced vibration and less noise.
- Burs with HICOAT® coating HC-FEP for high hardness and wear resistance.

Note
- On high-performance tungsten carbide burs designed for multiple applications, blue discoloration cannot be avoided due to the very high stock removal rate. This does not constitute a safety risk.

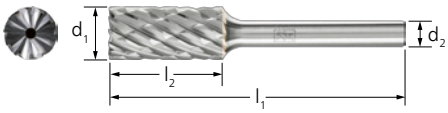
Tungsten carbide burs with an extended shank

Tungsten carbide burrs with long shanks are particularly well-suited for applications in hard-to-reach areas. PFERD TOOLS offers long-shank models available from stock that are assigned to the respective product groups. Long-shank versions are available with the following cuts: 3 PLUS, STEEL, Z5, and TOUGH. Additional versions can be custom-manufactured upon request. Tungsten carbide burrs with SL long steel shanks should only be used with backlash-free clamping systems or drives. There is a risk of breakage! For occasional machining tasks, extensions for drive spindles are a cost-effective alternative to custom-made long-shank milling cutters.

For more information please see catalog section 9.

Code system explanation

d_1 = Bur diameter
l_2 = Cut length
d_2 = Shank diameter
l_1 = Total length



Recommendations for use

An optimum rotational speed and power output for the power tool (air-powered or electric grinder, flexible shaft drive) are required for cost-effective use of tungsten carbide burs. If possible, mount burs on high-powered drives with elastic spindles to avoid vibration, prolong service life, and improve comfort when working. Scan the QR code with your mobile device for more useful recommendations about milling work.

Recommended rotational speed range [RPM]

To determine the recommended peripheral speed range [SFPM], please proceed as follows:
① Select the material group to be machined.
② Determine the type of application.
③ Select the cut.
④ Establish the peripheral speed range.

To determine the recommended rotational speed range [RPM], please proceed as follows:
⑤ Select the required bur diameter.
⑥ The peripheral speed range and the bur diameter determine the recommended rotational speed range.

① Material group			② Used for	③ Cut	④ Peripheral speed
Steel, cast steel	Steels up to 370 HV (< 38 HRC)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, cast steel, tempering steels	Coarse stock removal	Double cut	2,000–3,000 SFPM
				Double cut HICOAT® HC-FEP	1,500–2,500 SFPM
			Fine stock removal	Single cut	1,500–2,000 SFPM
	Hardened, heat-treated steels over 370 HV (> 38 HRC)	Tool steels, tempering steels, alloyed steels, cast steel	Coarse stock removal	Single Cut	850–1,150 SFPM
				Double cut	
				Diamond cut	
				Double cut HICOAT® HC-FEP	850–1,500 SFPM
			Fine stock removal	Single cut	1,150–1,500 SFPM
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels	Coarse stock removal	Single cut	850–1,150 SFPM
				Double cut	
				Diamond cut	
				Double cut HICOAT® HC-FEP	1,150-1,500 SFPM
			Fine stock removal	Single cut	1,150–1,500 SFPM
Non-ferrous metals	Soft non-ferrous metals	Aluminum alloys	Coarse stock removal	Single cut	2,000–3,000 SFPM
		Brass, copper, zinc	Coarse stock removal	Single cut	1,150–1,500 SFPM
			Fine stock removal		
	Hard non-ferrous metals	Bronze, titanium/titanium alloys, hard aluminum alloys (high Si content)	Coarse stock removal	Single cut	850–1,150 SFPM
				Diamond cut	
			Fine stock removal	Single cut	1,150–1,500 SFPM
	High-temperature-resistant materials	Nickel-based and cobalt-based alloys (engine and turbine construction)	Coarse stock removal	Double cut	850–1,500 SFPM
				Diamond cut	
				Double cut HICOAT® HC-FEP	1,150-2,000 SFPM
			Fine stock removal	Single cut	1,150–2,000 SFPM
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite, with nodular graphite/nodular cast iron, white annealed cast iron, black annealed cast iron	Coarse stock removal	Double cut	1,500–2,000 SFPM
				Double cut HICOAT® HC-FEP	2,000-2,500 SFPM
			Fine stock removal	Single cut	1,500–2,000 SFPM

Carbide burs
Peripheral speeds – burs for material-specific applications

PFERD TOOLS

① Material group			② Used for	③ Cut	④ Peripheral speed
Steel, cast steel	Steels up to 370 HV (below 38 HRC)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, cast steel, tempering steels	Coarse stock removal	OMNI	1,500–2,500 SFPM
				STEEL	1,500–2,500 SFPM
	Hardened, heat-treated steels over 370 HV (over 38 HRC)	Tool steels, tempering steels, alloyed steels, cast steel	Coarse stock removal	OMNI	850–1,500 SFPM
				HICOAT® OMNI HC-FEP	850–2,000 SFPM
				STEEL	1,500–2,500 SFPM
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels	Coarse stock removal	OMNI	1,500–2,000 SFPM
				HICOAT® OMNI HC-FEP	1,500–2,500 SFPM
				INOX	1,500–2,000 SFPM
			Fine stock removal	On request	-
Non-ferrous metals	Soft non-ferrous metals	Aluminum alloys	Coarse stock removal	ALU	2,000–3,600 SFPM
				HICOAT® ALU HC-NFE	2,000–4,200 SFPM
			Fine stock removal	ALU	3,000–3,600 SFPM
				HICOAT® ALU HC-NFE	3,000–4,200 SFPM
		Brass, copper, zinc	Coarse stock removal	OMNI	1,500–2,500 SFPM
				HICOAT® OMNI HC-FEP	1,500–3,000 SFPM
				ALU	2,000–3,600 SFPM
				HICOAT® ALU HC-NFE	2,000–4,200 SFPM
			Fine stock removal	ALU	3,000–3,600 SFPM
				HICOAT® ALU HC-NFE	3,000–4,200 SFPM
	Hard non-ferrous metals	Titanium/titanium alloys, hard aluminum alloys (high Si content)	Coarse stock removal	OMNI	1,500–2,000 SFPM
				HICOAT® OMNI HC-FEP	1,500–2,500 SFPM
				INOX	850–1,500 SFPM
		Hard titanium alloys	Coarse stock removal	On request	-
		Bronze	Coarse stock removal	OMNI	1,500–2,000 SFPM
				HICOAT® OMNI HC-FEP	1,500–2,500 SFPM
				ALU	2,000–3,000 SFPM
				HICOAT® ALU HC-NFE	2,000–4,200 SFPM
			Fine stock removal	ALU	3,000–3,600 SFPM
				HICOAT® ALU HC-NFE	3,000–4,200 SFPM
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite, with nodular graphite/nodular cast iron, white annealed cast iron, black annealed cast iron	Coarse stock removal	OMNI	1,500–3,000 SFPM
				HICOAT® OMNI HC-FEP	1,500–3,600 SFPM
				CAST	1,500–2,500 SFPM
Plastics, other materials	Thermoplastics, Fibre-reinforced plastics (GRP/CRP)		Coarse stock removal	ALU	2,000–3,600 SFPM
				HICOAT® ALU HC-NFE	2,000–4,200 SFPM
			Fine stock removal	ALU	2,000–3,600 SFPM
				HICOAT® ALU HC-NFE	2,000–4,200 SFPM

Carbide burs
Peripheral speeds – burs for special applications

① Material group			② Used for	③ Cut	④ Peripheral speed
Steel, cast steel	Steels up to 370 HV (below 38 HRC)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, cast steel, tempering steels	Coarse stock removal with impact load	TOUGH	850–2,000 SFPM
			Work on edges	Single cut	850–1,150 SFPM
				Double cut	
				Double cut HICOAT® HC-FEP	1,150-1,500 SFPM
				EDGE	2,000–3,000 SFPM
			Fine stock removal	MICRO	2,000–2,500 SFPM
	Hardened, heat-treated steels over 370 HV (over 38 HRC)	Tool steels, tempering steels, alloyed steels, cast steel	Coarse stock removal with impact load	TOUGH	850–1,150 SFPM
			Work on edges	Single cut	850–1,150 SFPM
				Double cut	
				Double cut HICOAT® HC-FEP	1,150-1,500 SFPM
				EDGE	2,000–2,500 SFPM
			Fine stock removal	MICRO	1,500–2,000 SFPM
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels	Work on edges	Single cut	850–1,150 SFPM
				Double cut	
				Double cut HICOAT® HC-FEP	1,150-1,500 SFPM
			Fine stock removal	MICRO	1,500–2,000 SFPM
Non-ferrous metals	Soft non-ferrous metals	Soft aluminum alloys	Work on edges	EDGE ALU	3,000–3,600 SFPM
		Brass, copper, zinc	Work on edges	Single cut	2,000–3,000 SFPM
				Double cut	
				Double cut HICOAT® HC-FEP	2,500-3,600 SFPM
				EDGE ALU	3,000–3,600 SFPM
				EDGE	2,000–3,000 SFPM
	Hard non-ferrous metals	Bronze, hard aluminum alloys (high Si content)	Work on edges	Single cut	850–1,500 SFPM
				Double cut	
				Double cut HICOAT® HC-FEP	1,150-2,000 SFPM
				EDGE ALU	3,000–3,600 SFPM
				EDGE	850–1,500 SFPM
			Fine stock removal	MICRO	1,500–2,000 SFPM
		Titanium/titanium alloys	Work on edges	EDGE	850–1,500 SFPM
			Fine stock removal	MICRO	1,500–2,000 SFPM
	High-temperature-resistant materials	Nickel-based and cobalt-based alloys (engine and turbine construction)	Work on edges	EDGE	850–1,500 SFPM
			Fine stock removal	MICRO	1,500–2,000 SFPM
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite, with nodular graphite/nodular cast iron, white annealed cast iron, black annealed cast iron	Coarse stock removal with impact load	TOUGH	850–2,000 SFPM
			Work on edges	Single cut	1,500–2,000 SFPM
				Double cut	
				Double cut HICOAT® HC-FEP	2,000-2,500 SFPM
			Fine stock removal	MICRO	2,000–2,500 SFPM
Plastics, other materials	Fibre-reinforced plastics (GRP/CRP), thermoplastics		Work on edges	EDGE ALU	2,500–3,600 SFPM

Carbide burs
Rotational speeds

Example:
Carbide bur,
OMNI cut,
Bur diameter 1/2".
Coarse stock removal on steels up to 370 HV.
Peripheral speed: 1,500–2,500 SFPM
Rotational speed range:
12,000–20,000 RPM

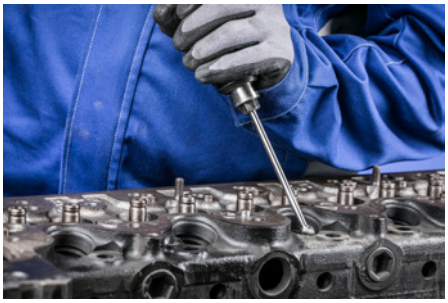
⑤ Bur dia. [Inches]	⑥ Peripheral speed [SFPM]							
	850	1,150	1,500	2,000	2,500	3,000	3,600	4,200
	Rotational speeds [RPM]							
3/32	35,000	47,000	62,000	82,000	102,000	120,000	146,000	172,000
1/8	27,000	37,000	48,000	64,000	80,000	95,000	117,000	138,000
3/16	16,000	22,000	29,000	38,000	48,000	57,000	73,000	86,000
1/4	13,000	19,000	24,000	32,000	40,000	48,000	59,000	70,000
5/16	10,000	14,000	18,000	24,000	30,000	36,000	44,000	52,000
3/8	8,000	11,000	14,000	19,000	24,000	29,000	35,000	41,000
7/16	7,500	10,000	13,000	17,500	22,000	26,500	32,500	37,500
1/2	7,000	9,000	12,000	16,000	20,000	24,000	30,000	34,000
5/8	5,000	7,000	9,000	12,000	15,000	18,000	22,000	26,000
3/4	4,000	6,000	7,000	10,000	13,000	14,000	17,000	20,000
1	3,000	4,000	6,000	8,000	10,000	11,000	13,000	16,000

Tungsten carbide burs with extended shanks

Extended shank tungsten carbide burs are ideal for working in hard-to-reach areas. Long-shank versions are available with the Double, OMNI, STEEL, and TOUGH cut burs. Extended shank burs can be shortened if required. Tungsten carbide burs with the designation "SL 6" or L6" are made from solid carbide, which means they can only be shortened by cutting with diamond tools. Additional variants can be custom-made on request. In some applications, spindle extensions are an economical alternative to customized extended shank burs. For more information please see catalog section 9.

Safety notes:

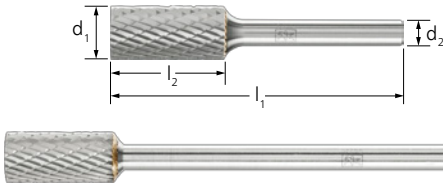
- Extended shank tungsten carbide burs are not designed for robotic or stationary applications due to risk of breakage. Use only rigid clamping systems/drives.
- When working with extended shank burs, it is crucial that the bur is in contact with the workpiece (or inserted in the bore or slot to be machined) before the power tool is turned on. As a rule, the tool must remain in contact with the workpiece for as long as the machine is running. Failure to observe this procedure may result in shank failure (bending) and increased risk of accidents. If continuous contact between the tool and the workpiece is not guaranteed, the ⑧ maximum idling speeds stated in the table below must not be exceeded.



- For safety reasons, the maximum application speeds ⑦ with contact with the workpiece require a reduction in the recommended speed of tungsten carbide burs with standard shanks. The reduced speeds are stated in the table below.

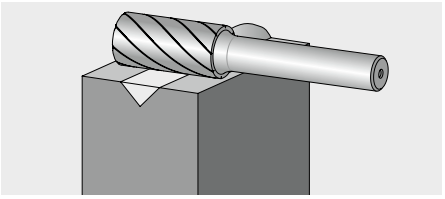
To determine the recommended rotational speed range [RPM], please proceed as follows:
① Select the required bur diameter.
⑦ For the maximum application speed [RPM] with contact with the workpiece, please refer to the right-hand side of the table.
Example:
Carbide bur, L6
Double cut,
Bur diameter 1/2"
Coarse stock removal on steels up to 370 HV.
Recommended reduced speed with workpiece contact: 7,000 RPM

	⑧ Maximum rotational free speed [RPM] (No contact to the workpiece)	⑦ Recommended reduced rotational application speed [RPM] (With contact to the workpiece)
	Shank length [Inches]	
① Bur dia. [Inches]	L6 (6")	L6 (6")
1/4	8,000	15,000
5/16	6,000	11,000
3/8	4,000	9,000
1/2	3,000	7,000



Cylindrical bur with plain end (uncut) – Shape A

Cylindrical burs with plain end (uncut) for general use on all materials. A good stock removal rate is achieved due to high quality tungsten carbide, bur shape, cut and optional coating.



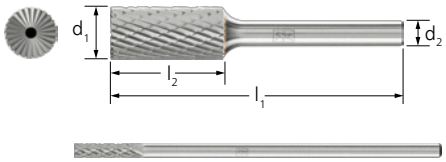
Special features:

- Long service life and exceptional surface quality.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.
- Also available with the high-quality HICOAT® coating for a much higher stock removal rate.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
3/32	1/2	SA-42	1/8	1-1/2	Double	1	*21823112*	23112
1/8	1/2	SA-43	1/8	1-1/2	Single	1	21823121	23121
					Double	1	21823122	23122
1/4	1/2	SA-51	1/8	1-11/16	Single	1	21823131	23131
					Double	1	21823132	23132
Tungsten carbide burs								
1/8	1/2	SA-11	1/4	1-15/16	Single	1	21724001	24001
					Double	1	21724002	24002
3/16	5/8	SA-14	1/4	1-15/16	Double	1	*21724022*	24022
1/4	5/8	SA-1	1/4	1-15/16	Single	1	21724031	24031
					Double	1	21724032	24032
					Double HC-FEP	1	21727040	27040
					Diamond	1	21724033	24033
5/16	3/4	SA-2	1/4	2-1/2	Double	1	21724052	24052
3/8	3/4	SA-3	1/4	2-1/2	Single	1	21724061	24061
					Double	1	21724062	24062
					Double HC-FEP	1	21727042	27042
					Diamond	1	21724063	24063
7/16	1	SA-4	1/4	2-3/4	Double	1	21724092	24092
1/2	1	SA-5	1/4	2-3/4	Single	1	21724101	24101
					Double	1	21724102	24102
					Double HC-FEP	1	21727052	27052
					Diamond	1	21724103	24103
5/8	1	SA-6	1/4	2-3/4	Double	1	21724112	24112
3/4	3/4	SA-16	1/4	2-1/2	Double	1	*21724142*	24142
	1	SA-7	1/4	2-3/4	Double	1	21724122	24122
1	1	SA-9	1/4	2-3/4	Double	1	21724162	24162
Extended shank tungsten carbide burs, shank length SL (long steel shank)								
1/4	5/8	SA-1 L6	1/4	6-9/16	Double	1	21725802	25802
3/8	3/4	SA-3 L6	1/4	6-5/8	Double	1	21725812	25812
1/2	1	SA-5 L6	1/4	6-7/8	Double	1	21725822	25822

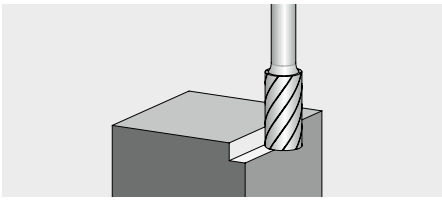
Discontinued product

Carbide burs, universal line
For fine and coarse stock removal



Cylindrical bur with end cut – Shape B

Cylindrical bur with end cut for general use on all materials. Good stock removal rate due to high quality tungsten carbide, bur shape, cut and optional coating.



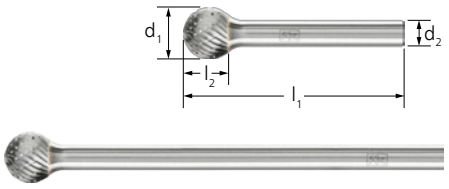
Special features:
- Long service life and exceptional surface quality.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.
- Also available with the high-quality HICOAT® coating for a much higher stock removal rate.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/4	1/2	SB-51	1/8	1-11/16	Single	1	21823171	23171
Tungsten carbide burs								
1/4	5/8	SB-1	1/4	1-15/16	Single	1	21724211	24211
					Double	1	21724212	24212
5/16	3/4	SB-2	1/4	2-1/2	Double	1	21724232	24232
3/8	3/4	SB-3	1/4	2-1/2	Single	1	21724241	24241
					Double	1	21724242	24242
					Double HC-FEP	1	21727082	27082
7/16	1	SB-4	1/4	2-3/4	Double	1	21724272	24272
1/2	1	SB-5	1/4	2-3/4	Single	1	21724281	24281
					Double	1	21724282	24282
					Diamond	1	21724283	24283
5/8	1	SB-6	1/4	2-3/4	Double	1	21724292	24292
3/4	1	SB-7	1/4	2-3/4	Double	1	21724302	24302
1	1	SB-9	1/4	2-3/4	Double	1	21724342	24342
Extended shank tungsten carbide burs, shank length SL (long steel shank)								
3/8	3/4	SB-3L6	1/4	6-5/8	Double	1	21725842	25842
1/2	1	SB-5L6	1/4	6-7/8	Double	1	21725852	25852

Carbide burs, universal line
For fine and coarse stock removal

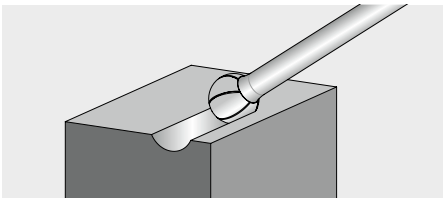
PFERD TOOLS

2



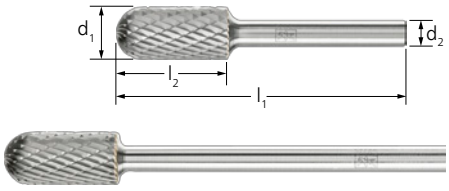
Ball bur – Shape D

Ball-shaped bur according for general use on all materials. A good stock removal rate is achieved through high quality tungsten carbide, bur shape, cut and optional coating.



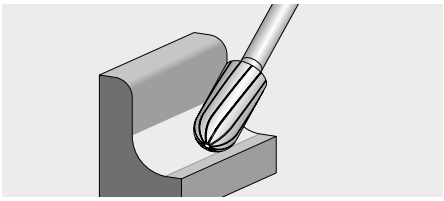
Special features:
- Long service life and exceptional surface quality.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.
- Also available with the high-quality HICOAT® coating for a much higher stock removal rate.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/8	3/32	SD-42	1/8	1-1/2	Single	1	21823241	23241
					Double	1	21823242	23242
3/16	1/8	SD-53	1/8	1-3/8	Single	1	21823261	23261
					Double	1	21823262	23262
1/4	3/16	SD-51	1/8	1-3/8	Single	1	21823251	23251
					Double	1	21823252	23252
Tungsten carbide burs								
1/8	3/32	SD-11	1/4	1-15/16	Double	1	21724522	24522
3/16	1/8	SD-14	1/4	1-15/16	Double	1	21724532	24532
1/4	3/16	SD-1	1/4	1-15/16	Single	1	21724541	24541
					Double	1	21724542	24542
					Diamond	1	21724543	24543
5/16	1/4	SD-2	1/4	2-1/16	Single	1	21724551	24551
					Double	1	21724552	24552
3/8	5/16	SD-3	1/4	2-1/16	Single	1	21724561	24561
					Double	1	21724562	24562
					Double HC-FEP	1	21727217	27217
7/16	3/8	SD-4	1/4	2-1/8	Double	1	21724572	24572
1/2	7/16	SD-5	1/4	2-3/16	Single	1	21724581	24581
					Double	1	21724582	24582
					Double HC-FEP	1	21727227	27227
3/4	11/16	SD-7	1/4	2-13/16	Double	1	21724602	24602
1	15/16	SD-9	1/4	2-1/16	Double	1	21724612	24612
Extended shank tungsten carbide burs, shank length SL (long steel shank)								
1/4	3/16	SD-1L6	1/4	6-1/8	Double	1	21725922	25922
3/8	5/16	SD-3L6	1/4	6-1/4	Double	1	21725932	25932
1/2	7/16	SD-5L6	1/4	6-5/16	Double	1	21725942	25942



Cylindrical bur with radius end – Shape C

Cylindrical bur with radius end for general use on all materials. A good stock removal rate is achieved due to high quality tungsten carbide, bur shape, cut and optional coating.



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d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/8	1/2	SC-42	1/8	1-1/2	Single	1	21823191	23191
					Double	1	21823192	23192
					Double HC-FEP	1	21825184	25184
1/4	1/2	SC-51	1/8	1-11/16	Single	1	21823201	23201
					Double	1	21823202	23202
		-	1/8	1-11/16	Double HC-FEP	1	21825144	25144
Tungsten carbide burs								
1/8	1/2	SC-11	1/4	1-15/16	Double	1	21724352	24352
					Double HC-FEP	1	21725145	25145
	5/8	SC-12	1/4	1-15/16	Double	1	21724362	24362
					Double HC-FEP	1	21725146	25146
3/16	5/8	SC-14	1/4	1-15/16	Double	1	21724382	24382
					Double HC-FEP	1	21725147	25147
1/4	5/8	SC-1	1/4	1-15/16	Single	1	21724391	24391
					Double	1	21724392	24392
					Double HC-FEP	1	21725148	25148
5/16	3/4	SC-2	1/4	2-1/2	Double	1	21724412	24412
					Double HC-FEP	1	21725154	25154
3/8	3/4	SC-3	1/4	2-1/2	Single	1	21724421	24421
					Double	1	21724422	24422
					Double HC-FEP	1	21727167	27167
					Diamond	1	21724423	24423
7/16	1	SC-4	1/4	2-3/4	Double	1	21724452	24452
					Double HC-FEP	1	21725170	25170
1/2	1	SC-5	1/4	2-3/4	Single	1	21724461	24461
					Double	1	21724462	24462
					Double HC-FEP	1	21727177	27177
					Diamond	1	21724463	24463
5/8	1	SC-6	1/4	2-3/4	Double	1	21724472	24472
					Double HC-FEP	1	21725172	25172
					Diamond	1	21724473	24473
3/4	1	SC-7	1/4	2-3/4	Double	1	21724482	24482
					Double HC-FEP	1	21725173	25173
1	1	SC-9	1/4	2-3/4	Double	1	21724512	24512

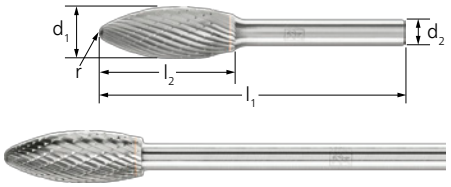
Continued on next page

New item

Carbide burs, universal line
For fine and coarse stock removal

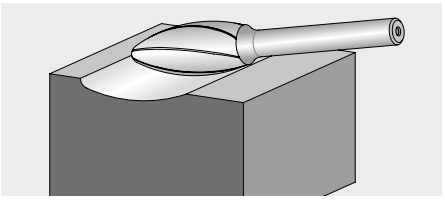
PFERD TOOLS

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
1	1	SC-9	1/4	2-3/4	Double HC-FEP	1	21725174	25174
Extended shank tungsten carbide burs, shank length SL (long steel shank)								
1/4	5/8	SC-1L6	1/4	6-9/16	Double	1	21725862	25862
					Double HC-FEP	1	21725178	25178
3/8	3/4	SC-3L6	1/4	6-5/8	Double	1	21725872	25872
					Double HC-FEP	1	21725179	25179
1/2	1	SC-5L6	1/4	6-7/8	Double	1	21725882	25882
					Double HC-FEP	1	21725180	25180



Flame bur – Shape H

Flame-shaped bur for general use on all materials. A good stock removal rate is achieved through high quality tungsten carbide, bur shape, cut and optional coating.



Special features:
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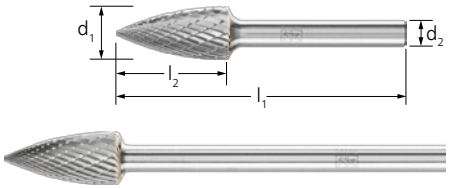
d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs									
1/8	1/4	SH-41	1/8	1-1/2	0.031	Single	1	21823401	23401
						Double	1	21823402	23402
Tungsten carbide burs									
1/4	5/8	SH-1	1/4	1-15/16	0.039	Double	1	21724862	24862
5/16	3/4	SH-2	1/4	2-1/2	0.059	Double	1	21724872	24872
1/2	1-1/4	SH-5	1/4	3	0.083	Single	1	21724881	24881
						Double	1	21724882	24882
5/8	1-7/16	SH-6	1/4	3-3/16	0.102	Double	1	21724892	24892
Extended shank tungsten carbide burs, shank length SL (long steel shank)									
5/16	3/4	SH-2L6	1/4	6-5/8	0.059	Double	1	21726162	26162
1/2	1-1/4	SH-5L6	1/4	7-1/4	0.083	Double	1	21726172	26172

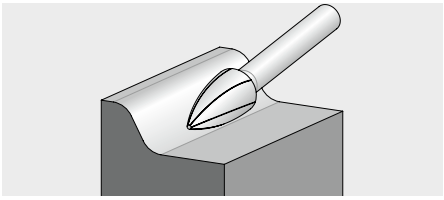
New item

Carbide burs, universal line
For fine and coarse stock removal



Tree bur with pointed end – Shape G

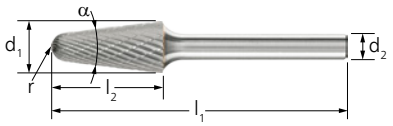
Pointed tree-shaped bur with pointed tip for general use on all materials. A good stock removal rate is achieved through high quality tungsten carbide, bur shape, cut and optional coating.



Special features:
- Long service life and exceptional surface quality.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.
- Also available with the high-quality HICOAT® coating for a much higher stock removal rate.

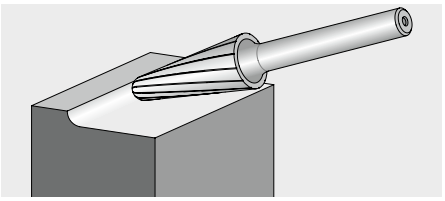
d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/8	1/4	SG-41	1/8	1-1/2	Single	1	21823341	23341
					Double	1	21823342	23342
	3/8	SG-43	1/8	1-1/2	Single	1	21823361	23361
					Double	1	21823362	23362
3/16	1/2	SG-53	1/8	1-11/16	Double	1	21823392	23392
1/4	1/2	SG-51	1/8	1-11/16	Single	1	21823381	23381
					Double	1	21823382	23382
Tungsten carbide burs								
1/4	5/8	SG-1	1/4	1-15/16	Single	1	21724781	24781
					Double	1	21724782	24782
5/16	3/4	SG-2	1/4	2-1/2	Double	1	21724792	24792
3/8	3/4	SG-3	1/4	2-1/2	Single	1	21724801	24801
					Double	1	21724802	24802
1/2	3/4	SG-13	1/4	2-1/2	Double	1	21724822	24822
	1	SG-5	1/4	2-3/4	Single	1	21724811	24811
					Double	1	21724812	24812
					Diamond	1	21724813	24813
5/8	1	SG-6	1/4	2-3/4	Double	1	21724832	24832
Extended shank tungsten carbide burs, shank length SL (long steel shank)								
3/8	3/4	SG-3L6	1/4	6-3/4	Double	1	21726112	26112
1/2	1	SG-5L6	1/4	6-7/8	Double	1	21726122	26122

2



14° Taper bur with radius end – Shape L

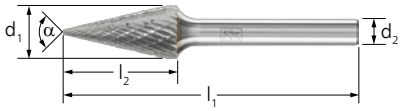
Conical bur with round radius end for general use on all materials. A good stock removal rate is achieved through high quality tungsten carbide, bur shape, cut, and optional coating.



Special features:
- Long service life and exceptional surface quality.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.
- Also available with the high-quality HICOAT® coating for a much higher stock removal rate.

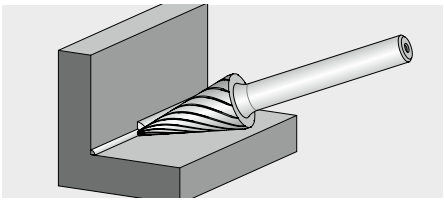
d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	α [°]	r [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs										
1/8	1/2	SL-42	1/8	1-1/2	14	0.035	Single	1	21823451	23451
							Double	1	21823452	23452
						0.035	Double HC-FEP	1	21825109	25109
Tungsten carbide burs										
1/4	5/8	SL-1	1/4	1-15/16	14	0.055	Single	1	21725131	25131
							Double	1	21725132	25132
							Double HC-FEP	1	21725110	25110
5/16	1	SL-2	1/4	2-13/16	16	0.049	Double	1	21725142	25142
							Double HC-FEP	1	21725115	25115
							Diamond	1	21725143	25143
3/8	1-1/16	SL-3	1/4	3	14	0.114	Double	1	21725152	25152
							Double HC-FEP	1	21727457	27457
							Diamond	1	21725153	25153
1/2	1-1/8	SL-4	1/4	3-1/16	14	0.130	Single	1	21725161	25161
							Double	1	21725162	25162
							Diamond	1	21725163	25163
							Double HC-FEP	1	21727462	27462
5/8	1-5/16	SL-6	1/4	3-1/4	14	0.189	Double	1	21725182	25182
							Double HC-FEP	1	21725107	25107
3/4	1-1/2	SL-7	1/4	3-7/16	14	0.213	Double	1	21725192	25192
							Double HC-FEP	1	21725108	25108
Extended shank tungsten carbide burs, shank length SL (long steel shank)										
1/4	5/8	SL-1L6	1/4	6-9/16	14	0.055	Double	1	*21726212*	26212
							Double HC-FEP	1	21725114	25114
3/8	1-1/16	SL-3L6	1/4	7-1/8	14	0.114	Double	1	21726222	26222
							Double HC-FEP	1	21725116	25116
1/2	1-1/8	SL-4L6	1/4	7-3/16	14	0.130	Double	1	21726232	26232
							Double HC-FEP	1	21725104	25104

Carbide burs, universal line
For fine and coarse stock removal



Cone bur with pointed end – Shape M

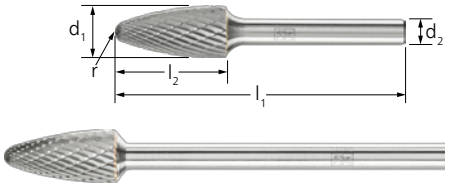
Conical pointed bur with pointed tip for general use on all materials. A good stock removal rate is achieved through high quality tungsten carbide, bur shape, cut and optional coating.



Special features:
- Long service life and exceptional surface quality.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.
- Also available with the high-quality HICOAT® coating for a much higher stock removal rate.

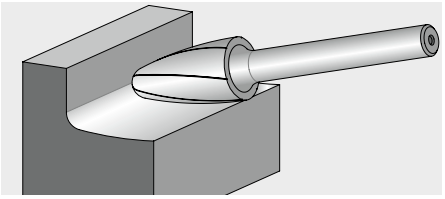
d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	α [°]	Cut		Item no.	EDP no.
Small tungsten carbide burs									
1/8	3/8	SM-41	1/8	1-1/2	14	Double	1	21823472	23472
	1/2	SM-42	1/8	1-1/2	12	Single	1	21823481	23481
						Double	1	21823482	23482
	5/8	SM-43	1/8	1-1/2	9	Double	1	21823492	23492
1/4	1/2	SM-51	1/8	1-13/16	22	Single	1	21823501	23501
						Double	1	21823502	23502
Tungsten carbide burs									
1/4	1/2	SM-1	1/4	1-15/16	22	Single	1	21725201	25201
						Double	1	21725202	25202
	3/4	SM-2	1/4	1-15/16	14	Double	1	21725212	25212
						Diamond	1	*21725213*	25213
	1	SM-3	1/4	1-15/16	10	Double	1	21725222	25222
3/8	3/4	SM-4	1/4	2-1/2	28	Single	1	21725231	25231
						Double	1	21725232	25232
1/2	1	SM-5	1/4	2-3/4	28	Double	1	21725242	25242
5/8	1-1/8	SM-6	1/4	2-15/16	31	Double	1	21725252	25252
						Diamond	1	21725253	25253

Discontinued product



Tree bur with radius end – Shape F

Tree-shaped bur with radius end for general use on all materials. A good stock removal rate is achieved through high quality tungsten carbide, bur shape, cut and optional coating.

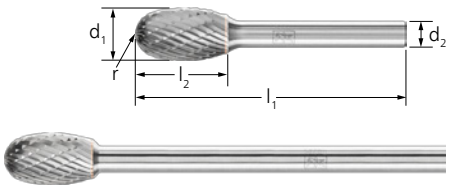


Special features:
- Long service life and exceptional surface quality.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.
- Also available with the high-quality HICOAT® coating for a much higher stock removal rate.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs									
1/8	1/4	SF-41	1/8	1-1/2	0.029	Single	1	21823301	23301
						Double	1	21823302	23302
	1/2	SF-42	1/8	1-1/2	0.030	Double HC-FEP	1	21825119	25119
					0.029	Single	1	21823311	23311
						Double	1	21823312	23312
	1/4	SF-41	1/8	1-1/2	0.030	Double HC-FEP	1	21825118	25118
1/4	1/2	SF-51	1/8	1-11/16	0.059	Single	1	21823321	23321
						Double	1	21823322	23322
		-	1/8	1-11/16	0.059	Double HC-FEP	1	21825120	25120
Tungsten carbide burs									
1/4	5/8	SF-1	1/4	1-15/16	0.059	Single	1	21724691	24691
						Double	1	21724692	24692
						Double HC-FEP	1	21725124	25124
						Diamond	1	21724693	24693
3/8	3/4	SF-3	1/4	2-1/2	0.098	Single	1	21724701	24701
						Double	1	21724702	24702
						Double HC-FEP	1	21727282	27282
						Diamond	1	21724703	24703
7/16	1	SF-4	1/4	2-3/4	0.012	Double	1	21724712	24712
						Double HC-FEP	1	21725126	25126
1/2	3/4	SF-13	1/4	2-1/2	0.126	Double	1	21724732	24732
						Double HC-FEP	1	21725128	25128
						Diamond	1	*21724733*	24733
	1	SF-5	1/4	2-3/4	0.018	Single	1	21724721	24721
						Double	1	21724722	24722
						Double HC-FEP	1	21727292	27292
						Diamond	1	21724723	24723
5/8	1	SF-6	1/4	2-3/4	0.142	Double	1	21724742	24742
						Double HC-FEP	1	21725129	25129
3/4	1	SF-7	1/4	2-3/4	0.193	Double	1	21724752	24752
						Double HC-FEP	1	21725130	25130
	1-1/4	SF-14	1/4	3	0.193	Double	1	21724762	24762
						Double HC-FEP	1	21725134	25134
						Diamond	1	21724763	24763

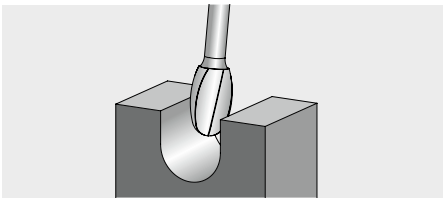
Continued on next page

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
3/4	1-1/2	SF-15	1/4	3-1/4	0.193	Double	1	21724772	24772
						Double HC-FEP	1	21725135	25135
Extended shank tungsten carbide burs, shank length SL (long steel shank)									
1/4	5/8	SF-1L6	1/4	6-9/16	0.059	Double	1	21726042	26042
						Double HC-FEP	1	21725136	25136
3/8	3/4	SF-3L6	1/4	6-3/4	0.098	Double	1	21726052	26052
						Double HC-FEP	1	21725139	25139
1/2	1	SF-5L6	1/4	6-7/8	0.126	Double	1	21726062	26062
						Double HC-FEP	1	21725140	25140



Oval bur – Shape E

Oval bur for general use on all materials. A good stock removal rate is achieved through high quality tungsten carbide, bur shape, cut and optional coating.



Special features:
- Long service life and exceptional surface quality.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.
- Also available with the high-quality HICOAT® coating for a much higher stock removal rate.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs									
1/8	7/32	SE-41	1/8	1-1/2	0.047	Double	1	21823272	23272
1/4	3/8	SE-51	1/8	1-9/16	0.110	Double	1	21823282	23282
Tungsten carbide burs									
1/4	3/8	SE-1	1/4	1-15/16	0.110	Single	1	21724631	24631
						Double	1	21724632	24632
3/8	5/8	SE-3	1/4	2-3/8	0.157	Single	1	21724641	24641
						Double	1	21724642	24642
						Diamond	1	*21724643*	24643
1/2	7/8	SE-5	1/4	2-5/8	0.197	Single	1	21724651	24651
						Double	1	21724652	24652
						Diamond	1	21724653	24653
5/8	1	SE-6	1/4	2-3/4	0.256	Double	1	21724662	24662
Extended shank tungsten carbide burs, shank length SL (long steel shank)									
1/4	3/8	SE-1L6	1/4	6-3/8	0.110	Double	1	21725982	25982
3/8	5/8	SE-3L6	1/4	6-1/2	0.157	Double	1	21725992	25992
1/2	7/8	SE-5L6	1/4	6-3/4	0.197	Double	1	21726002	26002

Discontinued product
New item

12 piece carbide bur sets – Single cut

The set contains 12 tungsten carbide burs in the shapes and dimensions most commonly used in the workshop.

Contents:
The set includes one each of the following single cut burs with a 1/8" shank diameter: Cylindrical (plain end) 1/8" x 1/2" x 1/8", Cylindrical (radius end) 1/4" x 1/2" x 1/8", Cylindrical (radius end) 1/8" x 1/2" x 1/8", Ball 1/8" x 3/32" x 1/8", Ball 3/16" x 1/8"x 1/8", Oval 1/4" x 3/8" x 1/8", Tree (radius end) 1/8" x 1/4" x 1/8", Tree (radius end) 1/8" x 1/2" x 1/8", Tree (pointed end) 1/8" x 3/8" x 1/8", Flame 1/8" x 1/4" x 1/8", 14° Taper (radius end) 1/8" x 1/2" x 1/8" and Cone 1/8" x 1/2" x 1/8".

Special features:
- The sturdy plastic case protects the products against dirt and damage.

Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Small tungsten carbide burs					
Single	12	1/8	1	21826525	26525

12 piece carbide bur sets – Double cut

The set contains 12 tungsten carbide burs in the shapes and dimensions most commonly used in the workshop.

Contents:
The set includes one each of the following double cut burs with a 1/8" shank diameter: Cylindrical (plain end) 1/8" x 1/2" x 1/8", Cylindrical (radius end) 1/4" x 1/2" x 1/8", Cylindrical (radius end) 1/8" x 1/2" x 1/8", Ball 1/8" x 3/32" x 1/8", Ball 3/16" x 1/8" x 1/8", Oval 1/4" x 3/8" x 1/8", Tree (radius end) 1/8" x 1/4" x 1/8", Tree (radius end) 1/8" x 1/2" x 1/8", Tree (pointed end) 1/8" x 3/8" x 1/8", Flame 1/8" x 1/4" x 1/8", 14° Taper (radius end) 1/8" x 1/2" x 1/8", Cone 1/8" x 1/2" x 1/8".

Special features:
- The sturdy plastic case protects the products against dirt and damage.

Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Small tungsten carbide burs					
Double	12	1/8	1	21826526	26526

Carbide burs, universal line
For fine and coarse stock removal

8 piece carbide bur sets – Single cut

The set contains 8 tungsten carbide burs in the shapes and dimensions most commonly used in the workshop.

Contents:
The set includes one each of the following single cut burs with a 1/4" shank diameter: Cylindrical (plain end) 3/8" x 3/4" x 1/4", Cylindrical (plain end) 1/2" x 1" x 1/4", Cylindrical (radius end) 3/8" x 3/4" x 1/4", Cylindrical (radius end) 1/2" x 1" x 1/4", Ball 3/8" x 5/16" x 1/4", Tree (radius end) 3/8" x 3/4" x 1/4", Tree (radius end) 1/2" x 1" x 1/4", Tree (pointed end) 3/8" x 3/4" x 1/4".

Special features:
- Two additional unused slots are available for other burs.
- The sturdy plastic case protects the products against dirt and damage.

Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Tungsten carbide burs					
Single	8	1/4	1	21726546	26546

8 piece carbide bur sets – Double cut

The set contains 8 tungsten carbide burs in the shapes and dimensions most commonly used in the workshop.

Contents:
The set includes one each of the following double cut burs with a 1/4" shank diameter: Cylindrical (plain end) 3/8" x 3/4" x 1/4", Cylindrical (plain end) 1/2" x 1" x 1/4", Cylindrical (radius end) 3/8" x 3/4" x 1/4", Cylindrical (radius end) 1/2" x 1" x 1/4", Ball 3/8" x 5/16" x 1/4", Tree (radius end) 3/8" x 3/4" x 1/4", Tree (radius end) 1/2" x 1" x 1/4", Tree (pointed end) 3/8" x 3/4" x 1/4".

Special features:
- Two additional unused slots are available for other burs.
- The sturdy plastic case protects the products against dirt and damage.

Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Tungsten carbide burs					
Double	8	1/4	1	21726547	26547

Carbide burs, universal line
For fine and coarse stock removal

5 piece carbide bur set – Diamond cut

The set contains five tungsten carbide burs in the shapes and dimensions most commonly used in the workshop.

Contents:
The set includes one each of the following diamond cut burs with a 1/4" shank diameter: Cylindrical (plain end) 1/2" x 1" x 1/4", Cylindrical (radius end) 1/2" x 1 x 1/4", Oval 1/2" x 7/8" x 1/4", Tree (radius end) 1/2" x 1" x 1/4", 14° Taper (radius end) 1/2" x 1-1/8" x 1/4".

Special features:
- The sturdy plastic case protects the products against dirt and damage.
- The burs are secured at the shanks, facilitating their easy selection and withdrawal.
- Five empty slots are available for additional burs.

Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Tungsten carbide burs					
Diamond	5	1/4	1	21726552	26552

3-piece carbide bur set – Double cut

The set contains three tungsten carbide burs in the shapes and dimensions most commonly used in the workshop.

Contents:
The set includes one each of the following double cut burs with a 1/4" shank diameter: Cylindrical (plain end) 1/2" x 1" x 1/4", Cylindrical (radius end) 1/2" x 1 x 1/4", Tree (radius end) 1/2" x 1" x 1/4".

Special features:
- The sturdy plastic case protects the products against dirt and damage.

Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Tungsten carbide burs					
Double	3	1/4	1	21726548	26548

Carbide burs, universal line
For fine and coarse stock removal

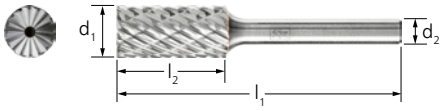
5-piece carbide bur set – Multi-material

The set contains five tungsten carbide burs with different high-performance cuts for use on important materials such as steel, stainless steel (INOX), aluminum and cast iron.

Contents:
The set includes one each of the following high performance burs with a 1/4" shank diameter: Tree (radius end) 1/2" x 1" x 1/4" STEEL, Tree (radius end) 1/2" x 1" x 1/4" INOX, Tree (radius end) 1/2" x 1" x 1/4" ALU, Tree (radius end) 1/2" x 1" x 1/4" CAST, Tree (radius end) 1/2" x 1" x 1/4" OMNI.

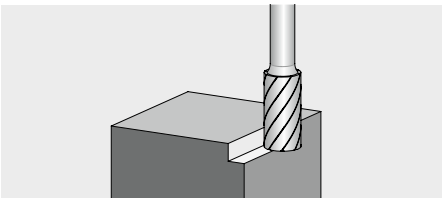
Special features:
- The sturdy plastic case protects the products against dirt and damage.
- The burs are secured at the shanks, facilitating their easy selection and withdrawal.
- Five empty slots are available for additional burs.

Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Tungsten carbide burs				
5	0,236	1	21726557	26557



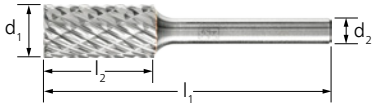
Cylindrical bur with end cut – Shape B

Cylindrical burs with end cut for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT® coating upon special request.



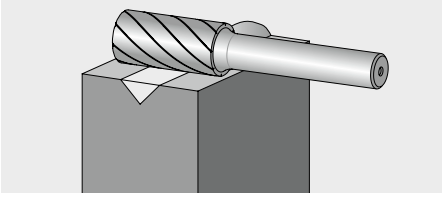
Special features:
- 30% higher stock removal rate on steel than conventional double cut burs.
- Comfortable working due to reduced vibration and noise.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
1/4	5/8	SB-1	1/4	1-15/16	OMNI	1	21728029	28029
					OMNI HC-FEP	1	21728129	28129
3/8	3/4	SB-3	1/4	2-1/2	OMNI	1	21728019	28019
					OMNI HC-FEP	1	21728119	28119
1/2	1	SB-5	1/4	2-3/4	OMNI	1	21728010	28010
					OMNI HC-FEP	1	21728110	28110
5/8	1	SB-6	1/4	2-3/4	OMNI	1	21728032	28032
					OMNI HC-FEP	1	21728132	28132



Cylindrical bur with plain end (uncut) – Shape A

Cylindrical end mills conforming to DIN 8032 for versatile, cost- and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals, and cast iron. Also available with a wear-resistant HICOAT® coating.



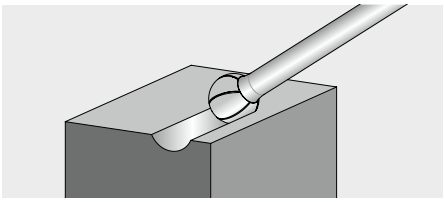
Special features:
- 30% higher stock removal rate on steel than conventional double cut burs.
- Comfortable working due to reduced vibration and noise.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
1/4	5/8	SA-1	1/4	1-15/16	OMNI	1	21728026	28026
					OMNI HC-FEP	1	21728126	28126
3/8	3/4	SA-3	1/4	2-1/2	OMNI	1	21728018	28018
					OMNI HC-FEP	1	21728118	28118
1/2	1	SA-5	1/4	2-3/4	OMNI	1	21728005	28005
					OMNI HC-FEP	1	21728105	28105

New item

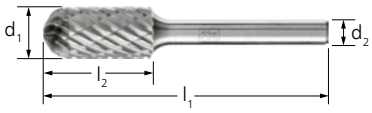
Ball bur – Shape D

Ball-shaped bur for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT coating upon special request.



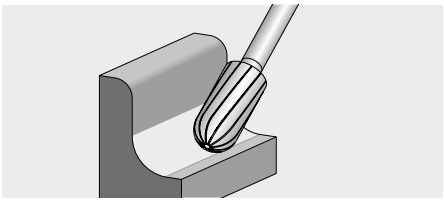
Special features:
- 30% higher stock removal rate on steel than conventional double cut burs.
- Comfortable working due to reduced vibration and noise.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
1/4	3/16	SD-1	1/4	1-15/16	OMNI	1	21728034	28034
					OMNI HC-FEP	1	21728134	28134
3/8	5/16	SD-3	1/4	2-1/16	OMNI	1	21728021	28021
					OMNI HC-FEP	1	21728121	28121
1/2	7/16	SD-5	1/4	2-3/16	OMNI	1	21728028	28028
					OMNI HC-FEP	1	21728128	28128



Cylindrical bur with radius end – Shape C

Cylindrical bur with radius end for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT® coating upon special request.



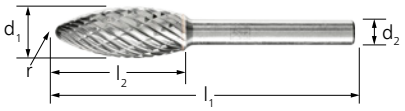
Special features:
- 30% higher stock removal rate on steel than conventional double cut burs.
- Comfortable working due to reduced vibration and noise.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
1/4	5/8	SC-1	1/4	1-15/16	OMNI	1	21728024	28024
					OMNI HC-FEP	1	21728124	28124
3/8	3/4	SC-3	1/4	2-1/2	OMNI	1	21728006	28006
					OMNI HC-FEP	1	21728106	28106
1/2	1	SC-5	1/4	2-3/4	OMNI	1	21728001	28001
					OMNI HC-FEP	1	21728101	28101
5/8	1	SC-6	1/4	2-3/4	OMNI	1	21728030	28030
					OMNI HC-FEP	1	21728130	28130
Extended shank tungsten carbide burs, shank length SL (long steel shank)								
3/8	3/4	SC-3L6	1/4	6-5/8	OMNI	1	21728020	28020
		SC-3	1/4	6-5/8	OMNI HC-FEP	1	21728120	28120

Continued on next page

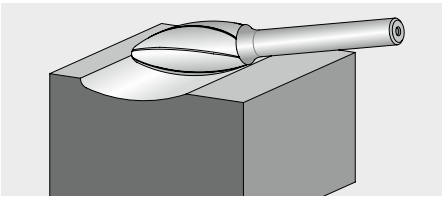
New item

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
1/2	1	SC-5L6	1/4	6-7/8	OMNI	1	21728017	28017
		SC-5	1/4	6-7/8	OMNI HC-FEP	1	21728117	28117



Flame bur – Shape H

Flame-shaped bur for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT® coating upon special request.

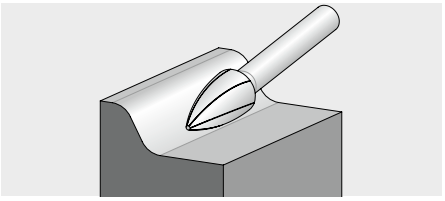


Special features:
- 30% higher stock removal rate on steel than conventional double cut burs.
- Comfortable working due to reduced vibration and noise.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs									
1/2	1-1/4	SH-5	1/4	3	0.083	OMNI	1	21728004	28004
						OMNI HC-FEP	1	21728104	28104

Tree bur with pointed end – Shape G

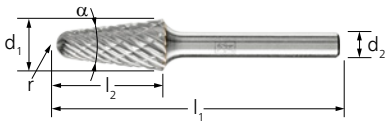
Pointed tree-shaped bur with flattened tip for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT® coating upon special request.



Special features:
- 30% higher stock removal rate on steel than conventional double cut burs.
- Comfortable working due to reduced vibration and noise.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

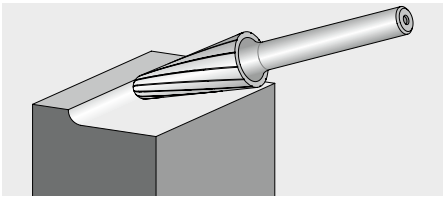
d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
3/8	3/4	SG-3	1/4	2-1/2	OMNI	1	21728015	28015
					OMNI HC-FEP	1	21728115	28115
1/2	1	SG-5	1/4	2-3/4	OMNI	1	21728009	28009
					OMNI HC-FEP	1	21728109	28109
Extended shank tungsten carbide burs, shank length SL (long steel shank)								
3/8	3/4	SG-3L6	1/4	6-3/4	OMNI	1	21728031	28031
		SG-3	1/4	6-3/4	OMNI HC-FEP	1	21728131	28131
1/2	1	SG-5L6	1/4	6-7/8	OMNI	1	21728023	28023
		SG-5	1/4	6-7/8	OMNI HC-FEP	1	21728123	28123

Carbide burs, high performance line
OMNI cut for versatile use



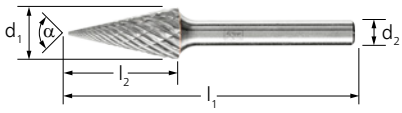
14° Taper bur with radius end – Shape L

14° taper bur with round radius end for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT® coating upon special request.



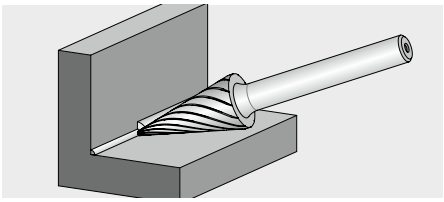
Special features:
- 30% higher stock removal rate on steel than conventional double cut burs.
- Comfortable working due to reduced vibration and noise.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	α [°]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs										
3/8	1-1/16	SL-3	1/4	3	16	0.114	OMNI	1	21728003	28003
					14	0.114	OMNI HC-FEP	1	21728103	28103
1/2	1-1/8	SL-4	1/4	3-1/16	14	0.130	OMNI	1	21728014	28014
							OMNI HC-FEP	1	21728114	28114
5/8	1-5/16	SL-6	1/4	3-1/4	14	0.189	OMNI	1	21728013	28013
							OMNI HC-FEP	1	21728113	28113



Cone bur with pointed end – Shape M

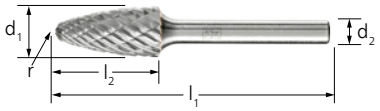
Conical pointed bur with flattened tip for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT® coating upon special request.



Special features:
- 30% higher stock removal rate on steel than conventional double cut burs.
- Comfortable working due to reduced vibration and noise.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

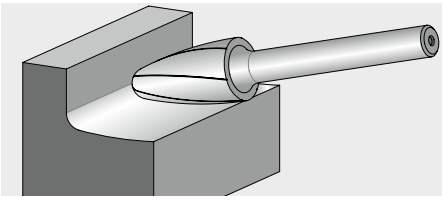
d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	α [°]	Cut		Item no.	EDP no.
Tungsten carbide burs									
1/4	1	SM-3	1/4	1-15/16	10	OMNI	1	21728036	28036
						OMNI HC-FEP	1	21728136	28136
1/2	1	SM-5	1/4	2-3/4	28	OMNI	1	21728016	28016
						OMNI HC-FEP	1	21728116	28116

New item



Tree bur with radius end – Shape F

Tree-shaped bur with radius end for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT® coating upon special request.

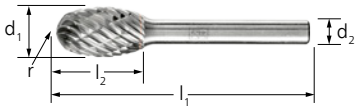


Special features:
- 30% higher stock removal rate on steel than conventional double cut burs.
- Comfortable working due to reduced vibration and noise.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs									
1/4	5/8	SF-1	1/4	1-15/16	0.059	OMNI	1	21728012	28012
						OMNI HC-FEP	1	21728112	28112
3/8	3/4	SF-3	1/4	2-1/2	0.098	OMNI	1	21728007	28007
						OMNI HC-FEP	1	21728107	28107
7/16	1	SF-4	1/4	2-3/4	0.012	OMNI	1	21728002	28002
						OMNI HC-FEP	1	21728102	28102
1/2	1	SF-5	1/4	2-3/4	0.126	OMNI	1	21728000	28000
					0.018	OMNI HC-FEP	1	21728100	28100
5/8	1	SF-6	1/4	2-3/4	0.142	OMNI	1	21728033	28033
					0.018	OMNI HC-FEP	1	21728133	28133
Extended shank tungsten carbide burs, shank length SL (long steel shank)									
3/8	3/4	SF-3L6	1/4	6-3/4	0.098	OMNI	1	21728027	28027
		SF-3	1/4	6-3/4	0.098	OMNI HC-FEP	1	21728127	28127
1/2	1	SF-5L6	1/4	6-7/8	0.126	OMNI	1	21728008	28008
		SF-5	1/4	6-7/8	0.018	OMNI HC-FEP	1	21728108	28108

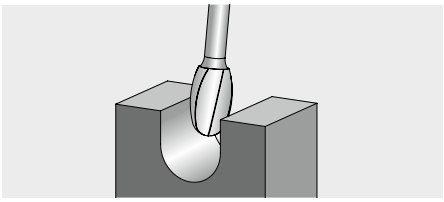
New item

Carbide burs, high performance line
OMNI cut for versatile use



Oval bur – Shape E

Oval bur for versatile, economical and time-saving use on steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron. Also available with wear-resistant HICOAT® coating upon special request.



Special features:
- 30% higher stock removal rate on steel than conventional double cut burs.
- Comfortable working due to reduced vibration and noise.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs									
3/8	5/8	SE-3	1/4	2-3/8	0.157	OMNI	1	21728035	28035
						OMNI HC-FEP	1	21728135	28135
1/2	7/8	SE-5	1/4	2-5/8	0.197	OMNI	1	21728025	28025
						OMNI HC-FEP	1	21728125	28125
Extended shank tungsten carbide burs, shank length SL (long steel shank)									
1/2	7/8	SE-5L6	1/4	6-3/4	0.197	OMNI	1	21728022	28022
		-	1/4	6-3/4	0.197	OMNI HC-FEP	1	21728122	28122

8 piece carbide bur sets – OMNI cut

The set contains eight versatile tungsten carbide burs for use on important materials such as steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron in the most common shapes and dimensions for workshop applications.

Contents:
The set includes one each of the following OMNI cut burs with a 1/4" shank diameter:
Cylindrical (plain end) 3/8" x 3/4" x 1/4",
Cylindrical (plain end) 1/2" x 1" x 1/4",
Cylindrical (radius end) 3/8" x 3/4" x 1/4",
Cylindrical (radius end) 1/2" x 1" x 1/4",
Ball 3/8" x 5/16" x 1/4", Tree (radius end)
3/8" x 3/4" x 1/4", Tree (radius end)
1/2" x 1" x 1/4", Tree (pointed end)
3/8" x 3/4" x 1/4".

Special features:
- The sturdy plastic case protects the products against dirt and damage.
- The burs are secured at the shanks, facilitating their easy selection and withdrawal.
- Two additional unused slots are available for other burs.

Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Tungsten carbide burs					
OMNI	8	1/4	1	21728011	28011

New item

Carbide burs, high performance line
OMNI cut for versatile use

5 piece carbide bur sets – OMNI cut

The set contains five versatile tungsten carbide burs for use on important materials such as steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron in the most common shapes and dimensions for workshop applications.

Contents:
The set includes one each of the following OMNI cut burs with a 1/4" shank diameter: Cylindrical (plain end) 1/2" x 1" x 1/4", Cylindrical (radius end) 1/2" x 1" x 1/4", Oval 1/2" x 7/8" x 1/4", Tree (radius end) 1/2" x 1" x 1/4", 14° Taper (radius end) 1/2" x 1-1/8" x 1/4".

Special features:
- The sturdy plastic case protects the products against dirt and damage.
- The burs are secured at the shanks, facilitating their easy selection and withdrawal.
- Five empty slots are available for additional burs.

Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Tungsten carbide burs					
OMNI	5	1/4	1	21728037	28037

3 piece carbide bur sets - OMNI cut

The set contains three versatile tungsten carbide burs for use on important materials such as steel and cast steel, stainless steel (INOX), non-ferrous metals and cast iron in the most common shapes and dimensions for workshop applications.

Contents:
The set includes one each of the following OMNI cut burs with a 1/4" shank diameter: Cylindrical (plain end) 1/2" x 1" x 1/4", Cylindrical (radius end) 1/2" x 1 x 1/4", Tree (radius end) 1/2" x 1" x 1/4".

Special features:
- The sturdy plastic case protects the products against dirt and damage.

Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Tungsten carbide burs					
OMNI	3	1/4	1	21728038	28038

8 piece carbide bur sets - OMNI HC-FEP

The set contains eight tungsten carbide burrs with a high-quality HICOAT® coating for versatile use on the most important materials, such as steel and cast steel, stainless steel (INOX), non-ferrous metals, and cast iron in the most common shapes and dimensions.

Contents:
The set includes one each of the following OMNI cut burs with a 1/4" shank diameter: Cylindrical (plain end) 3/8" x 3/4" x 1/4", Cylindrical (plain end) 1/2" x 1" x 1/4", Cylindrical (radius end) 3/8" x 3/4" x 1/4", Cylindrical (radius end) 1/2" x 1" x 1/4", Ball 3/8" x 5/16" x 1/4", Tree (radius end) 3/8" x 3/4" x 1/4", Tree (radius end) 1/2" x 1" x 1/4", Tree (pointed end) 3/8" x 3/4" x 1/4".

Special features:
- The sturdy plastic case protects the products against dirt and damage.

Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
OMNI HC-FEP	8	1/4	1	21728111	28111

5 piece carbide bur sets - OMNI HC-FEP

The set contains five tungsten carbide burrs with a high-quality HICOAT® coating for versatile use on the most important materials, such as steel and cast steel, stainless steel (INOX), non-ferrous metals, and cast iron in the most common shapes and dimensions.

Contents:
The set includes one each of the following OMNI cut burs with a 1/4" shank diameter: Cylindrical (plain end) 1/2" x 1" x 1/4", Cylindrical (radius end) 1/2" x 1" x 1/4", Oval 1/2" x 7/8" x 1/4", Tree (radius end) 1/2" x 1" x 1/4", 14° Taper (radius end) 1/2" x 1-1/8" x 1/4".

Special features:
- The sturdy plastic case protects the products against dirt and damage.

Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
OMNI HC-FEP	5	1/4	1	21728137	28137

3 piece carbide bur sets - OMNI HC-FEP

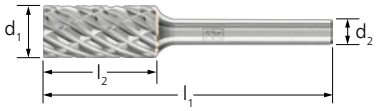
The set contains three tungsten carbide burrs with a high-quality HICOAT® coating for versatile use on the most important materials, such as steel and cast steel, stainless steel (INOX), non-ferrous metals, and cast iron in the most common shapes and dimensions.

Contents:
The set includes one each of the following OMNI cut burs with a 1/4" shank diameter: Cylindrical (plain end) 1/2" x 1" x 1/4", Cylindrical (radius end) 1/2" x 1 x 1/4", Tree (radius end) 1/2" x 1" x 1/4".

Special features:
- The sturdy plastic case protects the products against dirt and damage.

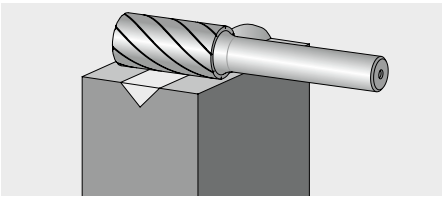
Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
OMNI HC-FEP	3	1/4	1	21728138	28138

New item



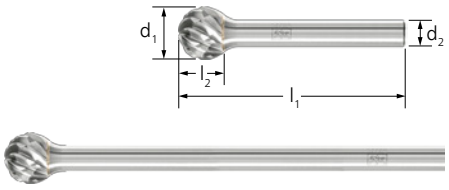
Cylindrical bur with plain end (uncut) – Shape A

Cylindrical burs for machining steel and cast steel. Tangibly more aggressive combined with good guidance, allowing for safe and precise work. Also available with wear-resistant HICOAT® coating upon special request.



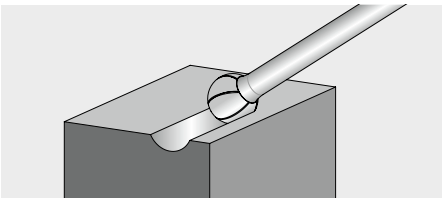
Special features:
- Up to 50% higher stock removal rate when used on steel and cast steel than conventional double cut burs.
- Workpieces are protected due to significantly lower thermal load.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
1/4	5/8	SA-1	1/4	1-15/16	STEEL	1	21724038	24038
3/8	3/4	SA-3	1/4	2-1/2	STEEL	1	21724068	24068
1/2	1	SA-5	1/4	2-3/4	STEEL	1	21724108	24108
5/8	1	SA-6	1/4	2-3/4	STEEL	1	21724118	24118
Extended shank tungsten carbide burs, shank length SL (long steel shank)								
3/8	3/4	SA-3L6	1/4	6-5/8	STEEL	1	21725640	25640
1/2	1	SA-5L6	1/4	6-7/8	STEEL	1	21725642	25642



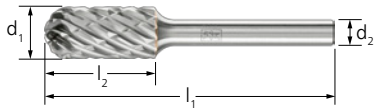
Ball bur – Shape D

Ball-shaped bur for machining steel and cast steel. Tangibly more aggressive combined with good guidance, allowing for safe and precise work. Also available with wear-resistant HICOAT® coating upon special request.



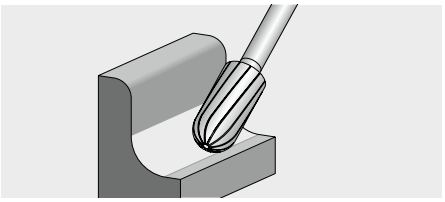
Special features:
- Up to 50% higher stock removal rate when used on steel and cast steel than conventional double cut burs.
- Workpieces are protected due to significantly lower thermal load.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
1/4	3/16	SD-1	1/4	1-15/16	STEEL	1	21724546	24546
3/8	5/16	SD-3	1/4	2-1/16	STEEL	1	*21724568*	24568
1/2	7/16	SD-5	1/4	2-3/16	STEEL	1	21724588	24588
5/8	9/16	SD-6	1/4	2-5/16	STEEL	1	21724599	24599
Extended shank tungsten carbide burs, shank length SL (long steel shank)								
3/8	5/16	SD-3L6	1/4	6-1/4	STEEL	1	*21725650*	25650
1/2	7/16	SD-5L6	1/4	6-5/16	STEEL	1	21725651	25651



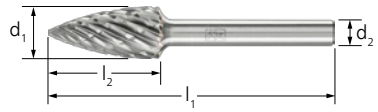
Cylindrical bur with radius end – Shape C

Cylindrical bur radius end for machining steel and cast steel. Tangibly more aggressive combined with good guidance, allowing for safe and precise work. Also available with wear-resistant HICOAT® coating upon special request.



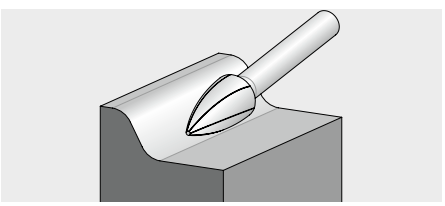
Special features:
- Up to 50% higher stock removal rate when used on steel and cast steel than conventional double cut burs.
- Workpieces are protected due to significantly lower thermal load.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
1/4	5/8	SC-1	1/4	1-15/16	STEEL	1	21724398	24398
3/8	3/4	SC-3	1/4	2-1/2	STEEL	1	21724428	24428
1/2	1	SC-5	1/4	2-3/4	STEEL	1	21724468	24468
5/8	1	SC-6	1/4	2-3/4	STEEL	1	21724478	24478
Extended shank tungsten carbide burs, shank length SL (long steel shank)								
3/8	3/4	SC-3L6	1/4	6-5/8	STEEL	1	*21725641*	25641
1/2	1	SC-5L6	1/4	6-7/8	STEEL	1	21725643	25643



Tree bur with pointed end – Shape G

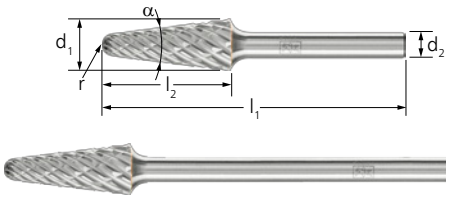
Pointed tree-shaped bur with flattened tip for machining steel and cast steel. Tangibly more aggressive combined with good guidance, allowing for safe and precise work. Also available with wear-resistant HICOAT® coating upon special request.



Special features:
- Up to 50% higher stock removal rate when used on steel and cast steel than conventional double cut burs.
- Workpieces are protected due to significantly lower thermal load.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

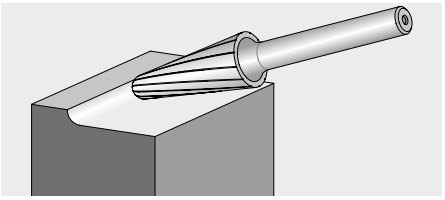
d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
1/4	5/8	SG-1	1/4	1-15/16	STEEL	1	21724788	24788
3/8	3/4	SG-3	1/4	2-1/2	STEEL	1	*21724808*	24808
1/2	1	SG-5	1/4	2-3/4	STEEL	1	21724818	24818
5/8	1	SG-6	1/4	2-3/4	STEEL	1	21724838	24838
Extended shank tungsten carbide burs, shank length SL (long steel shank)								
3/8	3/4	SG-3L6	1/4	6-3/4	STEEL	1	*21725644*	25644
1/2	1	SG-5L6	1/4	6-7/8	STEEL	1	*21725646*	25646

Discontinued product



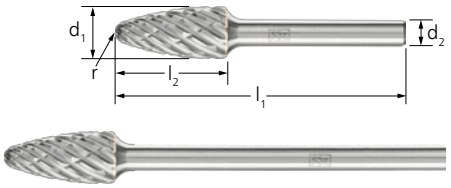
14° Taper bur with radius end – Shape L

14° taper bur with round radius end for machining steel and cast steel. Tangibly more aggressive combined with good guidance, allowing for safe and precise work. Also available with wear-resistant HICOAT® coating upon special request.



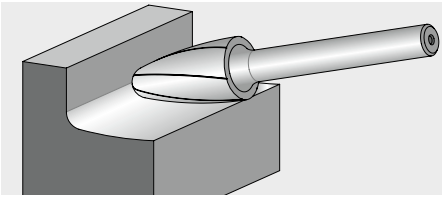
Special features:
- Up to 50% higher stock removal rate when used on steel and cast steel than conventional double cut burs.
- Workpieces are protected due to significantly lower thermal load.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	α [°]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs										
1/4	5/8	SL-1	1/4	1-15/16	14	0.055	STEEL	1	21725138	25138
3/8	1-1/16	SL-3	1/4	3	14	0.114	STEEL	1	21725158	25158
1/2	1-1/8	SL-4	1/4	3-1/16	14	0.130	STEEL	1	21725168	25168
5/8	1-5/16	SL-6	1/4	3-1/4	14	0.189	STEEL	1	21725188	25188
Extended shank tungsten carbide burs, shank length SL (long steel shank)										
3/8	1-1/16	SL-3L6	1/4	7-1/8	14	0.114	STEEL	1	*21725648*	25648
1/2	1-1/8	SL-4L6	1/4	7-3/16	14	0.130	STEEL	1	21725649	25649



Tree bur with radius end – Shape F

Tree-shaped bur with radius end for machining steel and cast steel. Tangibly more aggressive combined with good guidance, allowing for safe and precise work. Also available with wear-resistant HICOAT® coating upon special request.



Special features:
- Up to 50% higher stock removal rate when used on steel and cast steel than conventional double cut burs.
- Workpieces are protected due to significantly lower thermal load.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs									
1/4	5/8	SF-1	1/4	1-15/16	0.059	STEEL	1	21724698	24698
3/8	3/4	SF-3	1/4	2-1/2	0.098	STEEL	1	21724708	24708
1/2	1	SF-5	1/4	2-3/4	0.126	STEEL	1	21724728	24728
5/8	1	SF-6	1/4	2-3/4	0.142	STEEL	1	21724748	24748
Extended shank tungsten carbide burs, shank length SL (long steel shank)									
3/8	3/4	SF-3L6	1/4	6-3/4	0.098	STEEL	1	*21725645*	25645
1/2	1	SF-5L6	1/4	6-7/8	0.126	STEEL	1	21725647	25647

Discontinued product

Carbide burs, high performance line
STEEL cut for steel and cast steel

5 piece carbide bur sets – STEEL cut

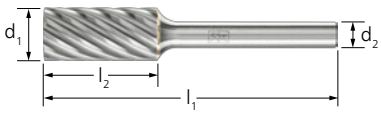
The set contains five tungsten carbide burs for processing steel and cast steel in the most common shapes and dimensions.

Contents:
The set includes one each of the following STEEL cut burs with a 1/4" shank:
Cylindrical (plain end) 1/2" x 1 x 1/4",
Cylindrical (radius end) 1/2 x 1" x 1/4",
Tree (radius end) 1/2" x 1" x 1/4",
Tree (pointed end) 1/2" x 1" x 1/4", 14° Taper (radius end) 1/2 x 1-1/8" x 1/4".

Special features:
- The sturdy plastic case protects the products against dirt and damage.
- The burs are secured at the shanks, facilitating their easy selection and withdrawal.
- Five empty slots are available for additional burs.

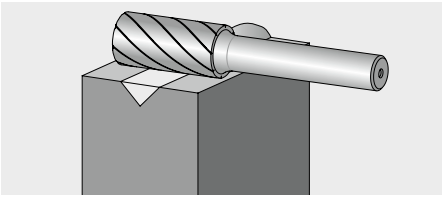
Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Tungsten carbide burs					
STEEL	5	1/4	1	26000013	26553

INOX cut for stainless steel (INOX)



Cylindrical bur with plain end (uncut) – Shape A

Cylindrical bur for machining stainless steel (INOX). The cut is characterized by an extremely high stock removal rate and long service life as well as much lower vibration than comparable double cut burs. Also available with wear-resistant HICOAT® coating upon special request.



Special features:
- Creates high quality surface finish and the optimum material chip formation.
- Workpiece is protected through much lower thermal load.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

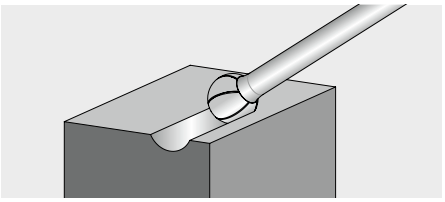
d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/8	1/2	SA-43	1/8	1-1/2	INOX	1	21823127	23127
1/4	1/2	SA-51	1/8	1-11/16	INOX	1	21823137	23137
Tungsten carbide burs								
1/4	5/8	SA-1	1/4	1-15/16	INOX	1	21724037	24037
3/8	3/4	SA-3	1/4	2-1/2	INOX	1	21724067	24067
1/2	1	SA-5	1/4	2-3/4	INOX	1	21724107	24107

Carbide burs, high performance line
INOX cut for stainless steel (INOX)

PFERD TOOLS

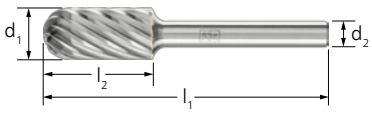
Ball bur – Shape D

Ball-shaped bur for machining stainless steel (INOX). The cut is characterized by an extremely high stock removal rate and long service life as well as much lower vibration than comparable double cut burs. Also available with wear-resistant HICOAT® coating upon special request.



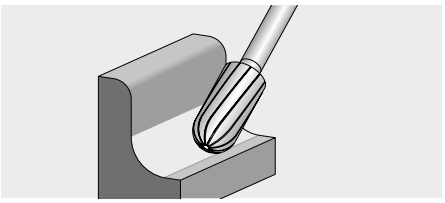
Special features:
- Creates high quality surface finish and the optimum material chip formation.
- Workpiece is protected through much lower thermal load.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/8	3/32	SD-42	1/8	1-1/2	INOX	1	21823247	23247
1/4	3/16	SD-51	1/8	1-3/8	INOX	1	21823257	23257
Tungsten carbide burs								
1/4	3/16	SD-1	1/4	1-15/16	INOX	1	21724527	24527
3/8	5/16	SD-3	1/4	2-1/16	INOX	1	21724567	24567
1/2	7/16	SD-5	1/4	2-3/16	INOX	1	*21724587*	24587



Cylindrical bur with radius end – Shape C

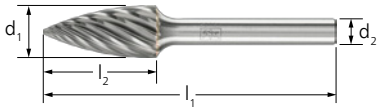
Cylindrical bur with round radius end for machining stainless steel (INOX). The cut is characterized by an extremely high stock removal rate and long service life as well as much lower vibration than comparable double cut burs. Also available with wear-resistant HICOAT® coating upon special request.



Special features:
- Creates high quality surface finish and the optimum material chip formation.
- Workpiece is protected through much lower thermal load.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

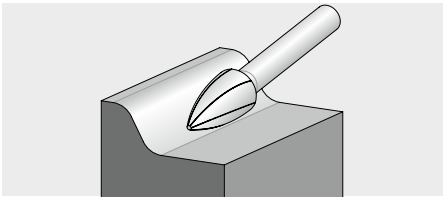
d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/8	1/2	SC-42	1/8	1-1/2	INOX	1	21823197	23197
1/4	1/2	SC-51	1/8	1-11/16	INOX	1	21823207	23207
Tungsten carbide burs								
1/4	5/8	SC-1	1/4	1-15/16	INOX	1	21724397	24397
3/8	3/4	SC-3	1/4	2-1/2	INOX	1	21724427	24427
1/2	1	SC-5	1/4	2-3/4	INOX	1	21724467	24467

Discontinued product



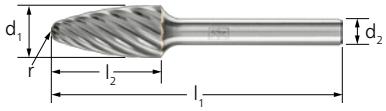
Tree bur with pointed end – Shape G

Pointed tree-shaped bur with flattened tip for machining stainless steel (INOX). The cut is characterized by an extremely high stock removal rate and long service life as well as much lower vibration than comparable double cut burs. Also available with wear-resistant HICOAT® coating upon special request.



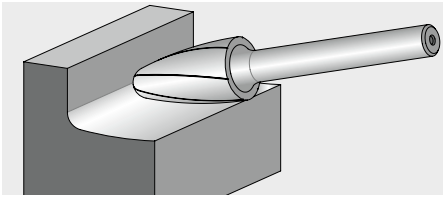
Special features:
- Creates high quality surface finish and the optimum material chip formation.
- Workpiece is protected through much lower thermal load.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/8	1/4	SG-41	1/8	1-1/2	INOX	1	21823357	23357
1/4	1/2	SG-51	1/8	1-11/16	INOX	1	21823387	23387
Tungsten carbide burs								
1/4	5/8	SG-1	1/4	1-15/16	INOX	1	21724787	24787
3/8	3/4	SG-3	1/4	2-1/2	INOX	1	21724807	24807
1/2	1	SG-5	1/4	2-3/4	INOX	1	21724817	24817



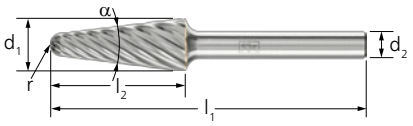
Tree bur with radius end – Shape F

Tree-shaped bur with radius end for machining stainless steel (INOX). The cut is characterized by an extremely high stock removal rate and long service life as well as much lower vibration than comparable double cut burs. Also available with wear-resistant HICOAT® coating upon special request.



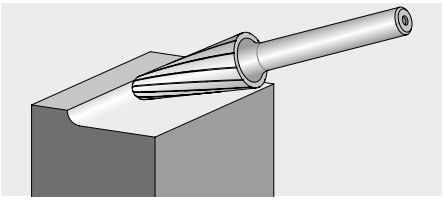
Special features:
- Creates high quality surface finish and the optimum material chip formation.
- Workpiece is protected through much lower thermal load.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs									
1/8	1/2	SF-42	1/8	1-1/2	0.029	INOX	1	21823317	23317
1/4	1/2	SF-51	1/8	1-11/16	0.059	INOX	1	21823327	23327
Tungsten carbide burs									
1/4	5/8	SF-1	1/4	1-15/16	0.059	INOX	1	21724697	24697
3/8	3/4	SF-3	1/4	2-1/2	0.098	INOX	1	21724707	24707
1/2	1	SF-5	1/4	2-3/4	0.126	INOX	1	21724727	24727



14° Taper bur with radius end – Shape L

14° taper bur with round radius end for machining stainless steel (INOX). The cut is characterized by an extremely high stock removal rate and long service life as well as much lower vibration than comparable double cut burs. Also available with wear-resistant HICOAT® coating upon special request.



Special features:
- Creates high quality surface finish and the optimum material chip formation.
- Workpiece is protected through much lower thermal load.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	α [°]	r [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs										
1/8	1/2	SL-42	1/8	1-1/2	14	0.035	INOX	1	21823457	23457
Tungsten carbide burs										
1/4	5/8	SL-1	1/4	1-15/16	14	0.055	INOX	1	21725137	25137
3/8	1-1/16	SL-3	1/4	3	14	0.114	INOX	1	21725157	25157
1/2	1-1/8	SL-4	1/4	3-1/16	14	0.130	INOX	1	21725167	25167

5 piece carbide bur sets – INOX cut

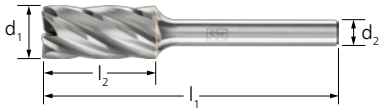
The set contains five tungsten carbide burs for processing stainless steel (INOX) in the most common shapes and dimensions.

Contents:
The set includes one each of the following INOX cut burs with a 1/4" shank diameter:
Cylindrical (plain end) 1/2" x 1" x 1/4",
Cylindrical (radius end) 1/2" x 1" x 1/4",
Tree (radius end) 1/2" x 1" x 1/4",
Tree (pointed end) 1/2" x 1" x 1/4", 14° Taper (radius end) 1/2" x 1-1/8" x 1/4".

Special features:
- The sturdy plastic case protects the products against dirt and damage.
- The burs are secured at the shanks, facilitating their easy selection and withdrawal.
- Five empty slots are available for additional burs.

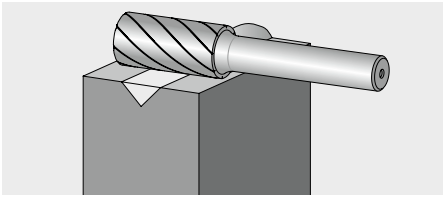
Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Tungsten carbide burs					
INOX	5	1/4	1	26000014	26554

Carbide burs, high performance line
ALU cut for aluminum/non-ferrous metals



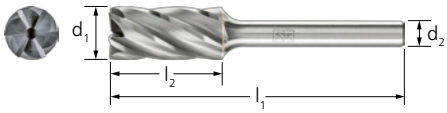
Cylindrical bur with plain end (uncut) – Shape A

Cylindrical bur with an extremely high stock removal rate, long service life, and smooth operation when machining aluminum.



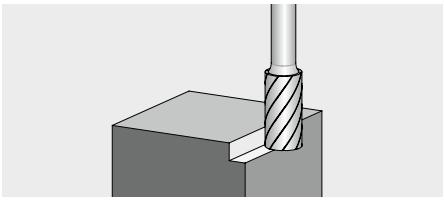
Special features:
- Large chips and reduced material adhesion.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
1/4	5/8	SA-1	1/4	1-15/16	ALU	1	21724035	24035
3/8	3/4	SA-3	1/4	2-1/2	ALU	1	21724065	24065
1/2	1	SA-5	1/4	2-3/4	ALU	1	21724105	24105
5/8	1	SA-6	1/4	2-3/4	ALU	1	21724115	24115



Cylindrical bur with end cut – Shape B

Cylindrical bur with end cut for an extremely high stock removal rate, long tool service and smooth operation when machining aluminum.



Special features:
- Large chips and reduced material adhesion.
- HC-NFE coating helps remove material in long chips and prevents loading of non-ferrous metals by creating a barrier between the bur and the workpiece.

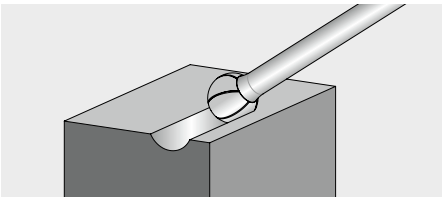
d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/8	9/16	SB-43	1/8	1-1/2	ALU	1	21823165	23165
1/4	1/2	SB-51	1/8	1-11/16	ALU	1	21823175	23175
Tungsten carbide burs								
1/4	5/8	SB-1	1/4	1-15/16	ALU	1	21724215	24215
3/8	3/4	SB-3	1/4	2-1/2	ALU	1	21724245	24245
					ALU HC-NFE	1	21724250	24250
1/2	1	SB-5	1/4	2-3/4	ALU	1	21724285	24285
					ALU HC-NFE	1	21727105	27105
5/8	1	SB-6	1/4	2-3/4	ALU	1	21724295	24295

Carbide burs, high performance line
ALU cut for aluminum/non-ferrous metals

PFERD TOOLS

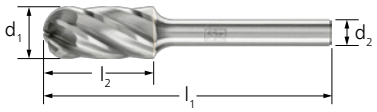
Ball bur – Shape D

Ball-shaped bur with extremely high stock removal rate, long service life and smooth operation when machining aluminum.



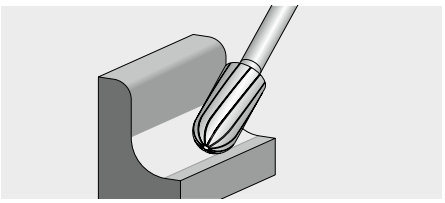
Special features:
- Large chips and reduced material adhesion.
- HC-NFE coating helps remove material in long chips and prevents loading of non-ferrous metals by creating a barrier between the bur and the workpiece.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/8	3/32	SD-42	1/8	1-1/2	ALU	1	21823245	23245
1/4	3/16	SD-51	1/8	1-3/8	ALU	1	21823255	23255
Tungsten carbide burs								
1/4	3/16	SD-1	1/4	1-15/16	ALU	1	21724545	24545
3/8	5/16	SD-3	1/4	2-1/16	ALU	1	21724565	24565
					ALU HC-NFE	1	21724570	24570
1/2	7/16	SD-5	1/4	2-3/16	ALU	1	21724585	24585
					ALU HC-NFE	1	21727235	27235
5/8	9/16	SD-6	1/4	2-5/16	ALU	1	21724595	24595



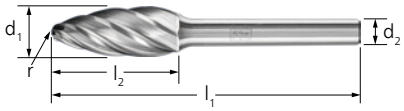
Cylindrical bur with radius end – Shape C

Cylindrical bur with radius end for an extremely high stock removal rate, long service life and smooth operation when machining aluminum.



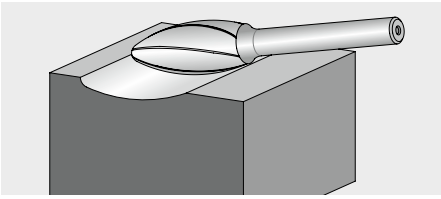
Special features:
- Large chips and reduced material adhesion.
- HC-NFE coating helps remove material in long chips and prevents loading of non-ferrous metals by creating a barrier between the bur and the workpiece.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/8	1/2	SC-42	1/8	1-1/2	ALU	1	21823195	23195
1/4	1/2	SC-51	1/8	1-11/16	ALU	1	21823205	23205
Tungsten carbide burs								
1/4	5/8	SC-1	1/4	1-15/16	ALU	1	21724395	24395
3/8	3/4	SC-3	1/4	2-1/2	ALU	1	21724425	24425
					ALU HC-NFE	1	21724433	24433
1/2	1	SC-5	1/4	2-3/4	ALU	1	21724465	24465
					ALU HC-NFE	1	21727165	27165
5/8	1	SC-6	1/4	2-3/4	ALU	1	21724475	24475



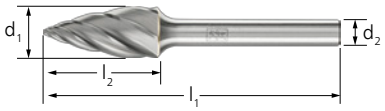
Flame bur – Shape H

Flame-shaped bur for an extremely high stock removal rate, long tool life and smooth operation when machining aluminium.



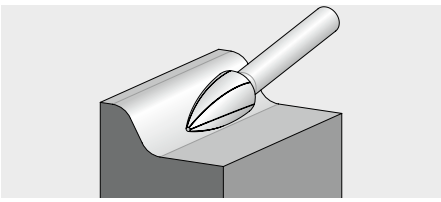
Special features:
- Large chips and reduced material adhesion.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs									
1/4	5/8	SH-1	1/4	1-15/16	0.039	ALU	1	21725657	25657
1/2	1-1/4	SH-5	1/4	3	0.083	ALU	1	21725659	25659



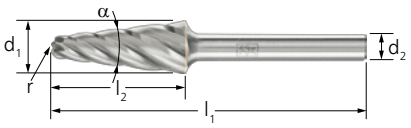
Tree bur with pointed end – Shape G

Pointed tree-shaped bur with pointed tip for an extremely high stock removal rate, long service life and smooth operation when machining aluminum.



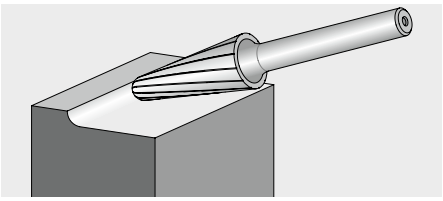
Special features:
- Large chips and reduced material adhesion.
- HC-NFE coating helps remove material in long chips and prevents loading of non-ferrous metals by creating a barrier between the bur and the workpiece.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
1/4	5/8	SG-1	1/4	1-15/16	ALU	1	21725653	25653
3/8	3/4	SG-3	1/4	2-1/2	ALU	1	*21725654*	25654
1/2	1	SG-5	1/4	2-3/4	ALU	1	21725655	25655
5/8	1	SG-6	1/4	2-3/4	ALU	1	21725656	25656



14° Taper bur with radius end – Shape L

Conical bur with round radius end for an extremely high stock removal rate, long service life and smooth operation when machining aluminum.

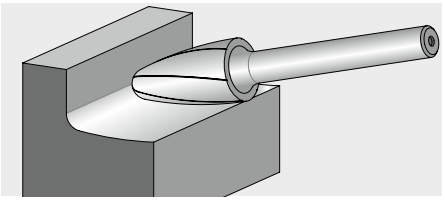


Special features:
- Large chips and reduced material adhesion.
- HC-NFE coating helps remove material in long chips and prevents loading of non-ferrous metals by creating a barrier between the bur and the workpiece.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	α [°]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs										
3/8	1-1/16	SL-3	1/4	3	14	0.114	ALU	1	21725155	25155
							ALU HC-NFE	1	21725160	25160
1/2	1-1/8	SL-4	1/4	3-1/16	14	0.130	ALU	1	21725165	25165
							ALU HC-NFE	1	21727450	27450
5/8	1-5/16	SL-6	1/4	3-1/4	14	0.189	ALU	1	21725185	25185

Tree bur with radius end – Shape F

Tree-shaped bur with radius end for an extremely high stock removal rate, long service life and smooth operation when machining aluminum.



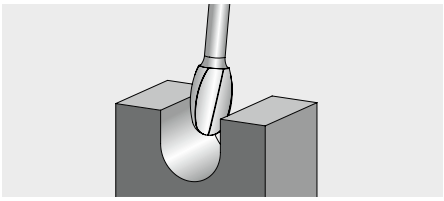
Special features:
- Large chips and reduced material adhesion.
- HC-NFE coating helps remove material in long chips and prevents loading of non-ferrous metals by creating a barrier between the bur and the workpiece.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs									
1/8	1/2	SF-42	1/8	1-1/2	0.029	ALU	1	21823315	23315
1/4	1/2	SF-51	1/8	1-11/16	0.059	ALU	1	21823325	23325
Tungsten carbide burs									
1/4	5/8	SF-1	1/4	1-15/16	0.059	ALU	1	21724695	24695
3/8	3/4	SF-3	1/4	2-1/2	0.098	ALU	1	21724705	24705
						ALU HC-NFE	1	21724710	24710
1/2	1	SF-5	1/4	2-3/4	0.126	ALU	1	21724725	24725
						ALU HC-NFE	1	21727280	27280
5/8	1	SF-6	1/4	2-3/4	0.142	ALU	1	21724745	24745

Carbide burs, high performance line
ALU cut for aluminum/non-ferrous metals

Oval bur – Shape E

Oval bur for an extremely high stock removal rate, long tool life and smooth operation when machining aluminium.



Special features:
- Large chips and reduced material adhesion.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs									
1/4	3/8	SE-1	1/4	1-15/16	0.110	ALU	1	21725652	25652
3/8	5/8	SE-3	1/4	2-3/8	0.157	ALU	1	21724645	24645
1/2	7/8	SE-5	1/4	2-5/8	0.197	ALU	1	21724655	24655
5/8	1	SE-6	1/4	2-3/4	0.256	ALU	1	21724665	24665

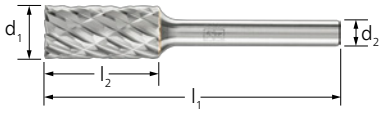
5-piece carbide bur set – ALU cut

The set contains five tungsten carbide burs for processing aluminum in the most common shapes and dimensions.

Contents:
The set includes one each of the following ALU cut burs with a 1/4" shank diameter: Cylindrical (plain end) 1/2" x 1" x 1/4", Cylindrical (radius end) 1/2" x 1" x 1/4", Oval 1/2" x 7/8" x 1/4", Tree (radius end) 1/2" x 1" x 1/4", and 14° Taper (radius end) 1/2" x 1-1/8" x 1/4".

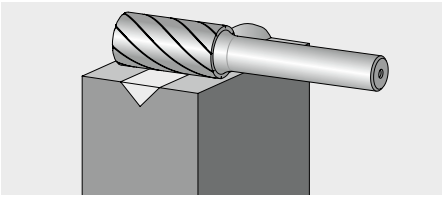
Special features:
- The sturdy plastic case protects the products against dirt and damage.
- The burs are secured at the shanks, facilitating their easy selection and withdrawal.
- Five empty slots are available for additional burs.

Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Tungsten carbide burs					
ALU	5	1/4	1	21726550	26550



Cylindrical bur with plain end (uncut) – Shape A

Cylindrical bur for machining cast iron. The cut is characterized by its smooth milling performance with considerably reduced vibration and less noise.

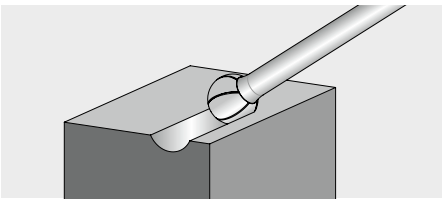


Special features:
- Up to 100% higher stock removal rate on cast iron when compared to conventional double cut burs.
- Significantly increased aggressiveness, creates large chips, and has very good chip removal.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
3/8	3/4	SA-3	1/4	2-1/2	CAST	1	*21724069*	24069
1/2	1	SA-5	1/4	2-3/4	CAST	1	21724109	24109

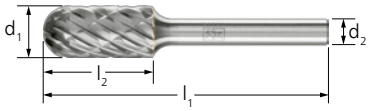
Ball bur – Shape D

Ball-shaped bur for machining cast iron. The cut impresses with its smooth milling performance with considerably reduced vibration and less noise.



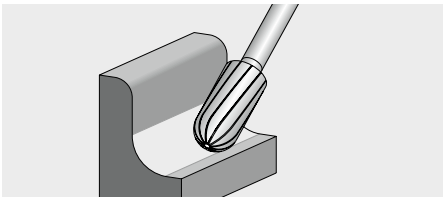
Special features:
- Up to 100% higher stock removal rate on cast iron when compared to conventional double cut burs.
- Significantly increased aggressiveness, creates large chips, and has very good chip removal.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
3/8	5/16	SD-3	1/4	2-1/16	CAST	1	*21724569*	24569



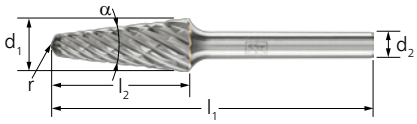
Cylindrical bur with radius end – Shape C

Cylindrical bur with radius end for machining cast iron. The cut is characterized by its smooth milling performance with considerably reduced vibration and less noise.



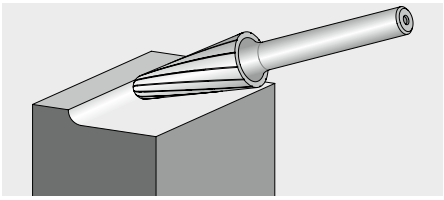
Special features:
- Up to 100% higher stock removal rate on cast iron when compared to conventional double cut burs.
- Significantly increased aggressiveness, creates large chips, and has very good chip removal.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
1/2	1	SC-5	1/4	2-3/4	CAST	1	21724469	24469



14° Taper bur with radius end – Shape L

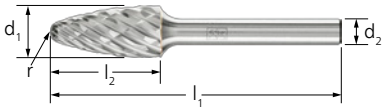
Conical bur with round radius end for machining cast iron. The cut is characterized by its smooth milling performance with considerably reduced vibration and less noise.



Special features:
- Up to 100% higher stock removal rate on cast iron when compared to conventional double cut burs.
- Significantly increased aggressiveness, creates large chips, and has very good chip removal.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

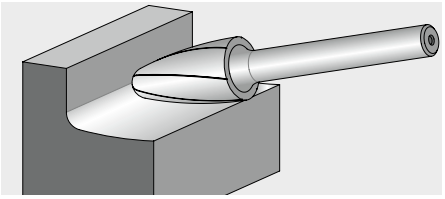
d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	α [°]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs										
3/8	1-1/16	SL-3	1/4	3	14	0.114	CAST	1	21725159	25159
1/2	1-1/8	SL-4	1/4	3-1/16	14	0.130	CAST	1	21725169	25169

Carbide burs, high performance line
CAST cut for cast iron



Tree bur with radius end – Shape F

Tree-shaped bur with radius end for machining cast iron. The cut is characterized by its smooth milling performance with considerably reduced vibration and less noise.



Special features:
- Up to 100% higher stock removal rate on cast iron when compared to conventional double cut burs.
- Significantly increased aggressiveness, creates large chips, and has very good chip removal.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs									
3/8	3/4	SF-3	1/4	2-1/2	0.098	CAST	1	*21724709*	24709
1/2	1	SF-5	1/4	2-3/4	0.126	CAST	1	21724729	24729

5-piece carbide bur set – CAST cut

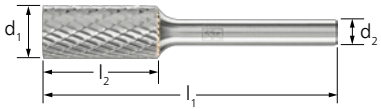
The set contains five tungsten carbide burs for processing cast iron in the most common shapes and dimensions.

Contents:
The set includes one each of the following CAST cut burs with a 1/4" shank diameter: Cylindrical (plain end) 1/2" x 1" x 1/4", Cylindrical (radius end) 1/2" x 1" x 1/4", Ball 1/2" x 7/16" 1/4", Tree (radius end) 1/2" x 1" x 1/4", 14° Taper (radius end) 1/2" x 1-1/8" x 1/4".

Special features:
- The sturdy plastic case protects the products against dirt and damage.
- The burs are secured at the shanks, facilitating their easy selection and withdrawal.
- Five empty slots are available for additional burs.

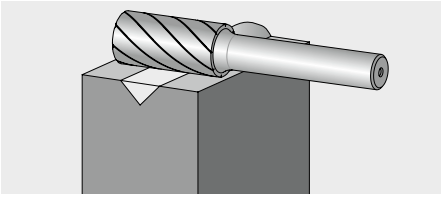
Cut	Contents shank diameter [Inch]		Item no.	EDP no.
Tungsten carbide burs				
CAST	0,236	1	26000016	26555

Discontinued product



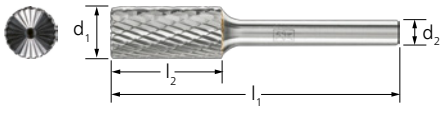
Cylindrical bur with plain end (uncut) – Shape A

Cylindrical bur for tough applications in dockyards, foundries and steel construction. The extremely impact-resistant cut minimizes tooth chipping/breakage, splintering and bur failure. Ideal for use as long-shank variants.



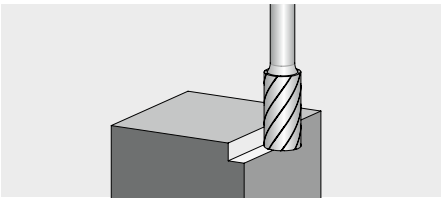
Special features:
- Can also be used at a lower rotational speed.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
3/8	3/4	SA-3	1/4	2-1/2	TOUGH	1	21722152	22152
1/2	1	SA-5	1/4	2-3/4	TOUGH	1	21722156	22156



Cylindrical bur with end cut – Shape B

Cylindrical bur with end cut for tough applications in shipyards, foundries, and steel construction. The extremely impact-resistant cut minimizes tooth chipping/breakage, splintering, and bur failure. Also available with extended shanks.

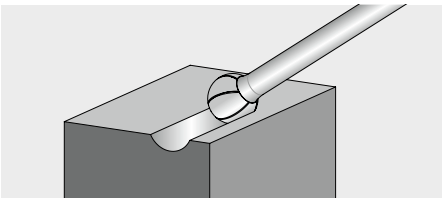


Special features:
- Can also be used at a lower rotational speed.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
3/8	3/4	SB-3	1/4	2-1/2	TOUGH	1	21722182	22182
1/2	1	SB-5	1/4	2-3/4	TOUGH	1	21722186	22186

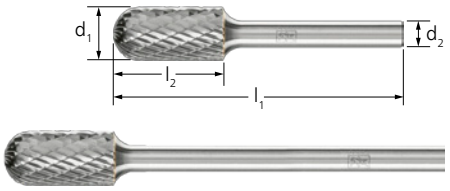
Ball bur – Shape D

Ball-shaped bur for tough applications in dockyards, foundries and steel construction. The extremely impact-resistant cut minimizes tooth chipping/breakage, splintering and bur failure. Ideal for use as long-shank variants.



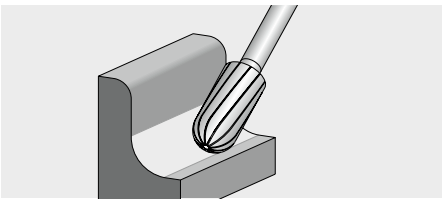
Special features:
- Can also be used at a lower rotational speed.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
1/2	7/16	SD-5	1/4	2-3/16	TOUGH	1	21722244	22244
5/8	9/16	SD-6	1/4	2-5/16	TOUGH	1	*21722246*	22246



Cylindrical bur with radius end – Shape C

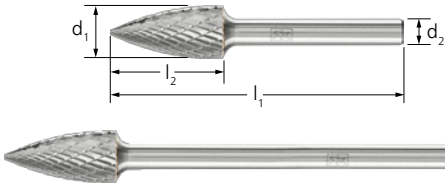
Cylindrical bur with radius end for tough applications in shipyards, foundries and steel construction. The extremely impact-resistant cut minimizes tooth chipping/breakage, splintering, and bur failure. Also available with extended shanks.



Special features:
- Can also be used at a lower rotational speed.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

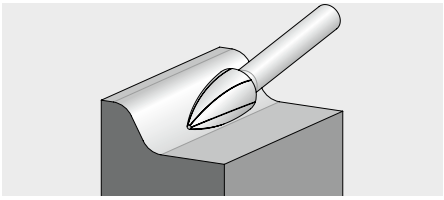
d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
3/8	3/4	SC-3	1/4	2-1/2	TOUGH	1	21722212	22212
0.472	0.984	-	0.236	2.559	TOUGH	1	21000036	-
1/2	1	SC-5	1/4	2-3/4	TOUGH	1	21722216	22216
Extended shank tungsten carbide burs, shank length SL (long steel shank)								
3/8	3/4	SC-3L6	1/4	6-5/8	TOUGH	1	21722734	22734

Discontinued product



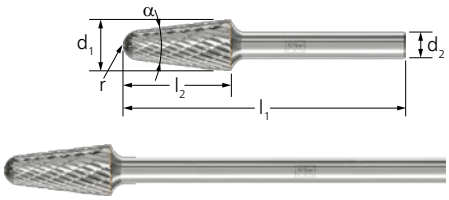
Tree bur with pointed end – Shape G

Pointed tree-shaped bur for the most demanding applications in shipyards, foundries, and steel construction. The extremely impact-resistant cut minimizes tooth chipping/breakage and bur failure. Ideal for use with spindle extensions.



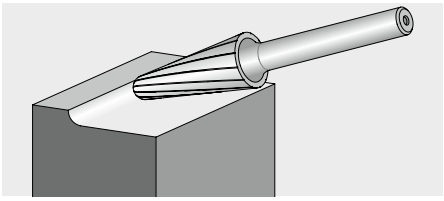
Special features:
- Can also be used at a lower rotational speed.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs								
3/8	3/4	SG-3	1/4	2-1/2	TOUGH	1	21722294	22294
1/2	1	SG-5	1/4	2-3/4	TOUGH	1	21722296	22296



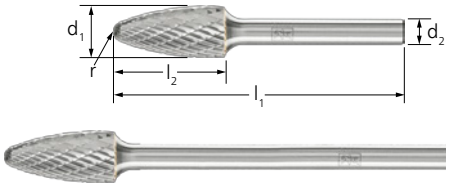
14° Taper bur with radius end – Shape L

14° taper bur with round radius end for tough operating conditions in dockyards, foundries and steel construction. The extremely impact-resistant cut minimizes tooth chipping/breakage, splintering and bur failure. Ideal for use as long-shank variants.



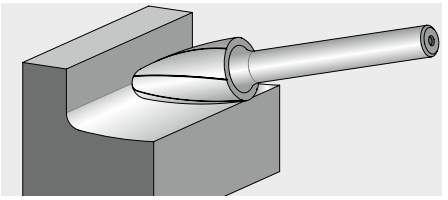
Special features:
- Can also be used at a lower rotational speed.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	α [°]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs										
1/2	1-1/8	SL-4	1/4	3-1/16	14	0.130	TOUGH	1	21722346	22346
Extended shank tungsten carbide burs, shank length SL (long steel shank)										
1/2	1-1/8	SL-4L6	1/4	7-3/16	14	0.130	TOUGH	1	21722774	22774



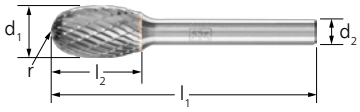
Tree bur with radius end – Shape F

Tree-shaped bur with radius end for the most demanding applications in shipyards, foundries, and steel construction. The extremely impact-resistant cut minimizes tooth chipping/breakage and bur failure. Ideal for use with spindle extensions.



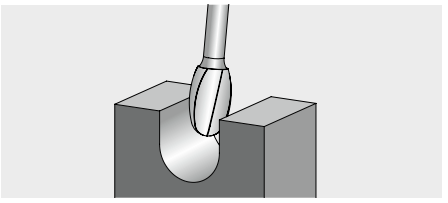
Special features:
- Can also be used at a lower rotational speed.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs									
1/2	1	SF-5	1/4	2-3/4	0.126	TOUGH	1	21722276	22276
5/8	1	SF-6	1/4	2-3/4	0.142	TOUGH	1	*21722278*	22278
Extended shank tungsten carbide burs, shank length SL (long steel shank)									
1/2	1	SF-5L6	1/4	6-7/8	0.126	TOUGH	1	21722754	22754



Oval bur – Shape E

Oval bur for tough applications in dockyards, foundries and steel construction. The extremely impact-resistant cut minimizes tooth chipping/breakage, splintering and bur failure. Ideal for use as long-shank variants.



Special features:
- Can also be used at a lower rotational speed.
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs									
3/8	5/8	SE-3	1/4	2-3/8	0.157	TOUGH	1	21722260	22260

Discontinued product

Carbide burs, high performance line
TOUGH cut for tough applications

5-piece carbide bur set – TOUGH cut

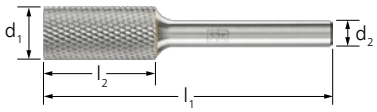
The set contains five tungsten carbide burs for tough applications in the most common shapes and dimensions.

Contents:
The set includes one each of the following TOUGH cut burs with a 1/4" shank diameter: Cylindrical (plain end) 1/2" x 1" x 1/4", Cylindrical (radius end) 1/2" x 1" x 1/4", Ball 1/2" x 7/16" x 1/4", Tree (radius end) 1/2" x 1" x 1/4", and Tree (pointed end) 1/2" x 1" x 1/4".

Special features:
- The sturdy plastic case protects the products against dirt and damage.
- The burs are secured at the shanks, facilitating their easy selection and withdrawal.
- Five empty slots are available for additional burs.

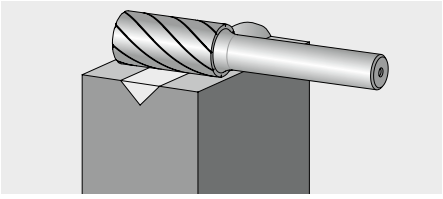
Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Tungsten carbide burs					
TOUGH	5	1/4	1	21726551	26551

MICRO cut for finishing work



Cylindrical bur with plain end (uncut) – Shape A

Cylindrical end mill according to DIN 8032 for fine stock removal. MICRO cut burs offer a higher stock removal rate compared to grinding pins and deliver high surface quality. In addition, they operate with low vibration and minimal noise. Also available with a wear-resistant HICOAT® coating.

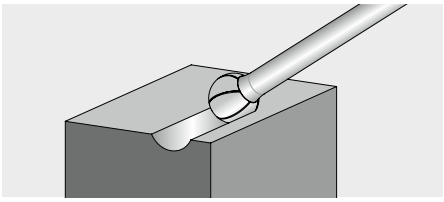


Special features:
- In comparison to abrasive mounted points, there is no change in geometry due to wear and tear.
- Work on almost all materials up to 940 HV (68 HRC).
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/8	1/2	SA-43	1/8	1-1/2	MICRO	1	21827500	27500
Tungsten carbide burs								
1/4	5/8	SA-1	1/4	1-15/16	MICRO	1	21727512	27512

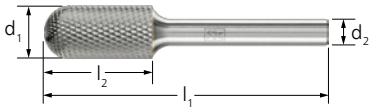
Ball bur – Shape D

Spherical end mill according to DIN 8032 for fine stock removal. MICRO cut burs offer a higher stock removal rate compared to ground end mills and deliver high surface quality. In addition, they operate with low vibration and minimal noise. Also available with a wear-resistant HICOAT® coating.



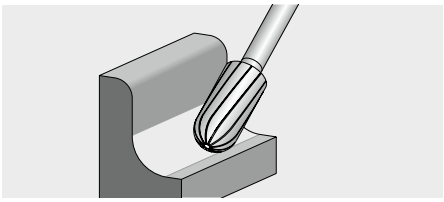
Special features:
- In comparison to abrasive mounted points, there is no change in geometry due to wear and tear.
- Work on almost all materials up to 940 HV (68 HRC).
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
3/32	3/32	SD-41	1/8	1-1/2	MICRO	1	*21827519*	27519
1/8	3/32	SD-42	1/8	1-1/2	MICRO	1	21827520	27520
Tungsten carbide burs								
1/4	3/16	SD-1	1/4	1-15/16	MICRO	1	21727521	27521



Cylindrical bur with radius end – Shape C

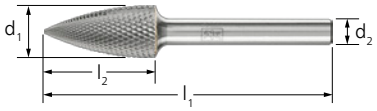
Cylindrical end mill according to DIN 8032 for fine stock removal. MICRO cut burs offer a higher stock removal rate compared to ground end mills and deliver high surface quality. In addition, they operate with low vibration and minimal noise. Also available with a wear-resistant HICOAT® coating.



Special features:
- In comparison to abrasive mounted points, there is no change in geometry due to wear and tear.
- Work on almost all materials up to 940 HV (68 HRC).
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

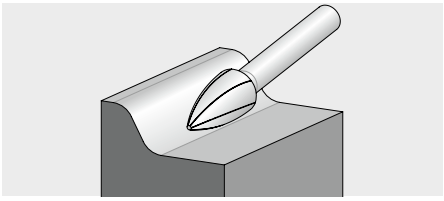
d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/8	1/2	SC-42	1/8	1-1/2	MICRO	1	21827540	27540
Tungsten carbide burs								
1/4	5/8	SC-1	1/4	1-15/16	MICRO	1	21727541	27541

Carbide burs, high performance line
MICRO cut for finishing work



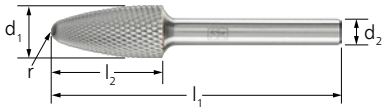
Tree bur with pointed end – Shape G

Pointed tree-shaped bur with flattened tip for fine stock removal. MICRO cut burs offer a higher stock removal rate and produce a high surface quality, particularly when compared to conventional double cut burs. They also operate with low vibration and little noise.



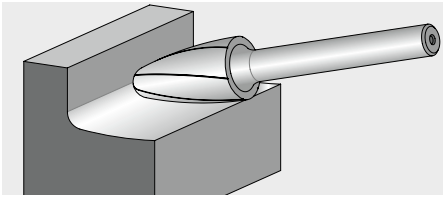
Special features:
- In comparison to abrasive mounted points, there is no change in geometry due to wear and tear.
- Work on almost all materials up to 940 HV (68 HRC).
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/8	1/4	SG-41	1/8	1-1/2	MICRO	1	21827546	27546
Tungsten carbide burs								
1/4	5/8	SG-1	1/4	1-15/16	MICRO	1	21727547	27547
3/8	3/4	SG-3	1/4	2-1/2	MICRO	1	21727548	27548



Tree bur with radius end – Shape F

Round-nose end mill according to DIN 8032 for fine stock removal. MICRO cut burs offer a higher stock removal rate compared to ground end mills and deliver high surface quality. In addition, they operate with low vibration and minimal noise. Also available with a wear-resistant HICOAT® coating.



Special features:
- In comparison to abrasive mounted points, there is no change in geometry due to wear and tear.
- Work on almost all materials up to 940 HV (68 HRC).
- High concentricity allows for impact-free work that does not create chatter marks, also reducing wear on the power tool or drive.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Small tungsten carbide burs									
1/8	1/2	SF-42	1/8	1-1/2	0.029	MICRO	1	21827524	27524
Tungsten carbide burs									
1/4	5/8	SF-1	1/4	1-15/16	0.059	MICRO	1	21727528	27528
3/8	3/4	SF-3	1/4	2-1/2	0.142	MICRO	1	*21727532*	27532

Discontinued product

Carbide burs, high performance line
MICRO cut for finishing work

3-piece carbide bur set – MICRO cut

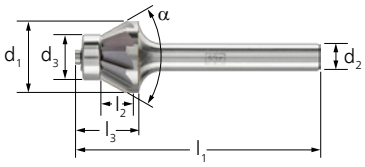
The set contains three small tungsten carbide burs for finishing work in the most common shapes and dimensions.

Contents:
The set includes one each of the following MICRO cut burs with a 1/8" shank diameter: Tree (radius end) 1/8" x 1/2" x 1/8", Ball 1/8" x 3/32" x 1/8", and Cylindrical (radius end) 1/8" x 1/2" x 1/8".

Special features:
- The sturdy plastic case protects the products against dirt and damage.

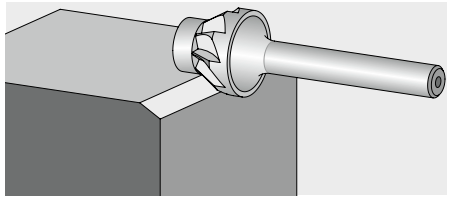
Cut	Contents [Piece]	Contents shank diameter [Inch]		Item no.	EDP no.
Small tungsten carbide burs					
MICRO	3	0,118	1	21827550	27550

EDGE cut for work on edges



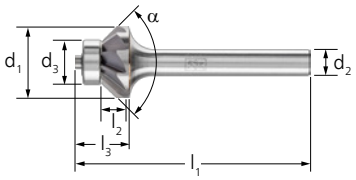
Cone counterbore EDGE 30°

Cone counterbore bur for producing precisely defined 30° chamfer angles.



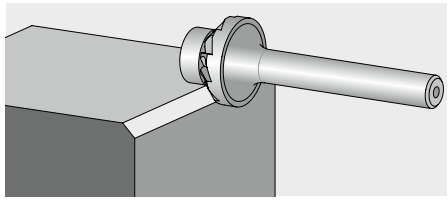
Special features:
- Special design for precise guidance, without damaging the workpiece.
- Safe and comfortable to guide due to ball bearings design.
- Exact edge shapes can be created in a single step.

d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	d_3 [Inch]	l_3 [Inch]	α [°]	Cut		Item no.	EDP no.
Tungsten carbide burs											
5/8	1/8	SJ-6	1/4	2-1/8	0.394	9/16	60	EDGE	1	21725045	25045



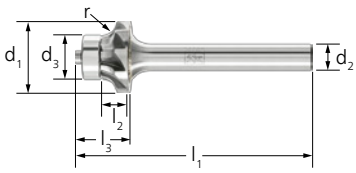
Cone counterbore EDGE 45°

Conical counterbore bur for producing precisely defined 45° chamfer angles.



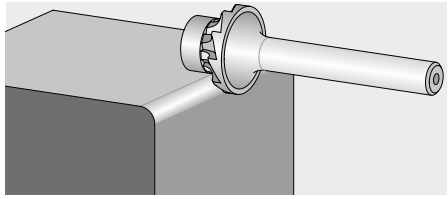
Special features:
- Special design for precise guidance, without damaging the workpiece.
- Safe and comfortable to guide due to ball bearings design.
- Exact edge shapes can be created in a single step.

Image	d_1 [Inch]	l_2 [Inch]	SCTI-No.	d_2 [Inch]	l_1 [Inch]	d_3 [Inch]	l_3 [Inch]	d_4 [Inch]	α [°]	Cut		Item no.	EDP no.
Tungsten carbide burs													
①	5/8	1/8	SK-6	1/4	2-3/64	0.394	1/2	-	90	EDGE	1	21725105	25105
②	5/8	1/32	SK-6	1/4	2-3/64	3/8	9/16	1	90	EDGE	1	21725106	25106
										EDGE ALU	1	21725177	25177



Concave radius bur EDGE R-1/8

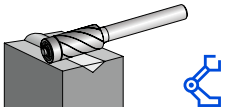
Concave radius burs for the production of precise radii. Suitable for the production and processing of 3 mm outer radii.



Special features:
- Special design for precise guidance, without damaging the workpiece.
- Safe and comfortable to guide due to ball bearings design.
- Exact edge shapes can be created in a single step.

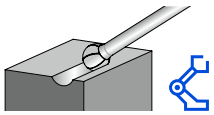
d_1 [Inch]	l_2 [Inch]	d_2 [Inch]	l_1 [Inch]	d_3 [Inch]	l_3 [Inch]	d_4 [Inch]	r [Inch]	Cut		Item no.	EDP no.
Tungsten carbide burs											
5/8	1/8	1/4	2-3/64	0.394	5/16	-	0.118	EDGE	1	21725150	25150
						1	0.118	EDGE	1	21725149	25149

Milling tools for robot applications
Bur shapes



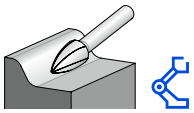
ZYA KGL
Cylindrical shape with ball bearing

Available on special request.



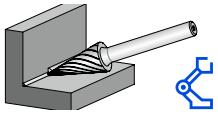
Shape D
Ball shape

Available on special request.



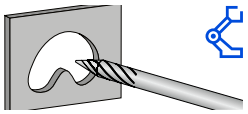
Shape G
Pointed tree shape

Available on special request.



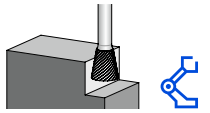
Shape M
Conical pointed shape

Available on special request.



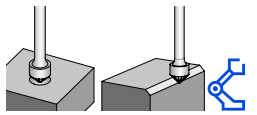
SKM-ZYA
Special shape / combination of conical pointed shape and cylindrical shape

Available on special request.



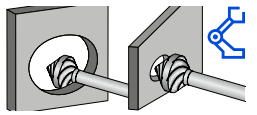
WKN
Inverted cone

Available on special request.



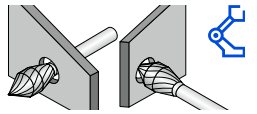
KSK
Conical counterbore shape

Available on special request.

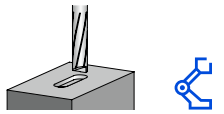


KSK-WKN
Special shape / combination of conical counterbore shape and inverted cone

Available on special request.



KZW
Special shape / combination of conical counterbore shape, cylindrical shape and tapered shape



ZYA FSTS
Cylindrical shape with a flat end cut

PFERD TOOLS cuts

Universal line PFERD TOOLS cuts

Single cut HC-FEP

- Optimized for robot applications.
- Machining of steel, cast iron, stainless steel (INOX), nickel-based alloys and titanium alloys.
- High material removal and good surface finishes.
- High-quality HICOAT coating HC-FEP for high hardness and wear resistance.

Diamond cut HC-FEP

- Optimized for robot applications.
- Machining of stainless steel (INOX), steel and high-temperature-resistant materials such as nickel-based and cobalt-based alloys.
- High stock removal with short chips and good surfaces.
- High-quality HICOAT coating HC-FEP for high hardness and wear resistance.

Available on special request.

Cut 5 HC-FEP

- Optimized for robot applications.
- Fine machining of steel, cast iron, stainless steel (INOX) and high-temperature-resistant materials such as nickel-based and cobalt-based alloys.
- Ideal surface finish.
- High-quality HICOAT coating HC-FEP for high hardness and wear resistance.

Available on special request.

Milling tools for robot applications
PFERD TOOLS cuts

PFERD TOOLS

High-performance line PFERD TOOLS cuts

ALU cut HC-NFE

- Optimized for robot applications.
- High stock removal rate on aluminum and aluminum alloys, non-ferrous metals and plastics.
- High-quality HICOAT® coating HC-NFE for aluminum alloys and non-ferrous metals suitable for heavy-duty machining and lubrication.

MICRO cut HC-FEP

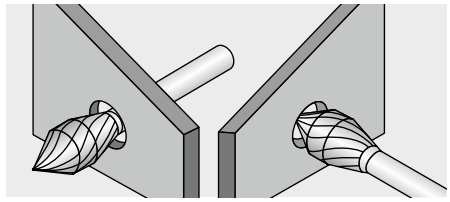
- Optimized for robot applications.
- Good stock removal on almost all materials up to 940 HV (68 HRC).
- High surface quality.
- High-quality HICOAT coating HC-FEP for high hardness and wear resistance.

Available on special request.

Milling tools for deburring and chamfering

Special shape KZW

Special bur shape for robot applications. The combination of three different bur shapes enables hard-to-reach components to be optimally deburred and chamfered in just one operation.



Special features:
- Less programming needed due to fewer product changes.
- High-quality HICOAT coating for high hardness and wear resistance.

d_1 [Inch]	l_2 [Inch]	d_2 [Inch]	l_1 [Inch]	α [°]	Cut		Item no.	EDP no.
Small tungsten carbide burs								
1/4	1/2	1/8	1-11/16	60	3 HC-FEP	1	21821002	21002
					MICRO HC-FEP	1	21821003	21003
Tungsten carbide burs								
1/2	1	1/4	2-9/16	60	3 HC-FEP	1	21721000	21000
					MICRO HC-FEP	1	21721001	21001

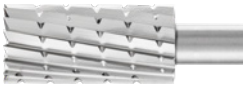
HSS rotary cutters
General information

PFERD TOOLS

Cut overview

ALU cut
- Machining of soft non-ferrous metals, brass, copper, aluminum alloys, plastics, fibre-reinforced plastics and rubber.
- Rotational speed range of 4,000 to 6,000 RPM depending on the bur diameter.

Cut 1
- Machining of stainless steel (INOX), soft non-ferrous metals and plastics.
- Rotational speed range of 1,200 to 23,900 RPM depending on the bur diameter.

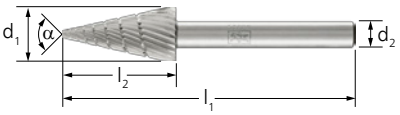


Cut 2 with chip divider
- Machining of steel, cast steel and cast iron, stainless steel (INOX), non-ferrous metals and plastics.
- Rotational speed range of 1,200 to 13,200 RPM depending on the bur diameter.

Cut 3 with chip divider
- Machining of steel, cast steel and cast iron.
- Rotational speed range of 1,200 to 7,900 RPM depending on the bur diameter.

Code system explanation

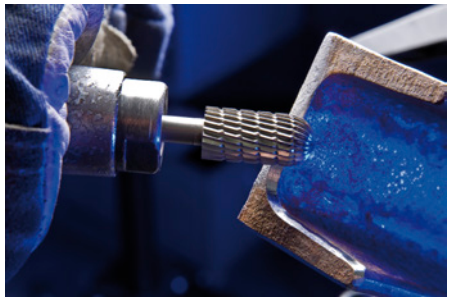
d^1 = Bur diameter
l_2 = Cut length
d_2 = Shank diameter
l_1 = Total length
α = Angle



Recommended rotational speed range [RPM]

To determine the recommended peripheral speed range [SFPM], please proceed as follows:
① Select the material group to be machined.
② Determine the type of application.
③ Select the cut.
④ Establish the peripheral speed range.

To determine the recommended rotational speed range [RPM], please proceed as follows:
⑤ Select the required bur diameter.
⑥ The peripheral speed range and the bur diameter determine the recommended rotational speed range.



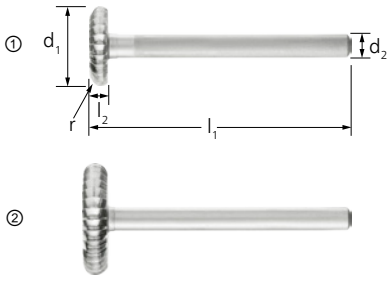
Cutting speeds – HSS rotary cutters

① Material group			② Used for	③ Cut	④ Cutting speed
Steel, cast steel	Steels up to 370 HV (< 38 HRC)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, cast steel, tempering steels	Coarse stock removal	SP	60–80 m/min
			Fine stock removal	SP	80–100 m/min
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite EN-GJL (GG), with nodular graphite/nodular cast iron EN-GJS (GGG), white annealed cast iron EN-GJMW (GTW), black annealed cast iron EN-GJMB (GTS)	Coarse stock removal	SP	60–80 m/min
			Fine stock removal	SP	80–100 m/min

Example:
HSS rotary cutter,
Cut 2,
Bur dia. 12 mm.
Coarse stock removal on steels up to 1,200 N/mm².
Cutting speed: 60–80 m/min
Rotational speed range: 1.600–2.200 RPM

⑤ Burr dia. [Inch]	⑥ Cutting speeds [m/min]		
	60	80	100
	Rotational speeds [RPM]		
0.394	2,000	2,600	3,200
0.551	1,400	1,900	2,300

HSS finishing cutters



961–973

Tools designed specifically for fine stock removal.

Image	d_1 [Inch]	l_2 [Inch]	d_2 [Inch]	l_1 [Inch]	r [Inch]	Cut		Item no.	EDP no.
HSS finishing cutters									
④	0.551	0.118	0.118	1.299	0.59	Special cut (SP)	1	22396453	-

High Speed Disc ALUMASTER
HSD-R 4-1/2”/5”
Type HSD-R 4-1/2”/5” is designed for applications such as peripheral milling and milling out root welds.

Matching power tools:
Compressed-air angle grinder
Electric angle grinder

Applications:
- Milling out
- Work on weld seams
- Work on fillet welds
- Work on edges/chamfering
- Surface work
- Milling out root welds
- Peripheral milling

High Speed Disc ALUMASTER®
HSD-R 2”
Due to its small design, type HSD-R 2” is excellent for working in hard-to-reach places and on delicate components. Due to the specially developed arbor, the High Speed Disc **ALU**MASTER® HSD-R 2” can also be used on straight grinders and flexible shafts as well as angle grinders (mount dia. 3/8”).

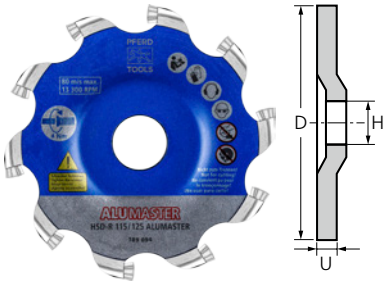
Matching power tools:
Flexible shaft drive Mammoth Electronic ME 22/240
Compressed-air straight grinder
Compressed-air angle grinder

Applications:
- Milling out
- Work on weld seams
- Work on fillet welds
- Work on edges/chamfering
- Surface work
- Milling out root welds
- Peripheral milling

Milling tools with cutting inserts
Quick product selection guide

Selecting the correct cutting inserts

- Uncoated cutting inserts are designed for general use on soft non-ferrous metals (aluminum alloys, brass, copper, zinc).
- PFERD TOOLS recommends cutting inserts with the high-quality HICOAT® coating for high-performance applications on soft non-ferrous metals (aluminum alloys, brass, copper, zinc), hard non-ferrous metals (hard aluminum alloys with high Si content, bronze) as well as fibre-reinforced plastics (GRP/CRP) and thermoplastics.



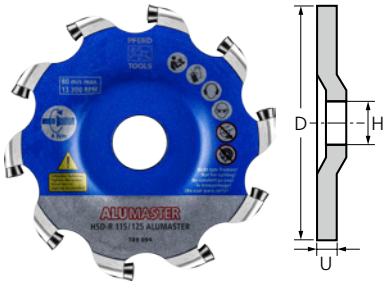
ALUMASTER® High Speed Disc HSD-R 4-1/2"/5"

High-performance disc for processing aluminum alloys using an angle grinder. Also designed for peripheral milling and milling out root welds. The specially developed, turnable and replaceable tungsten carbide cutting inserts enable an extremely high stock removal rate.

Contents:
Includes the High Speed Disc **ALU**MASTER® HSD-R 4-1/2"/5" incl. pre-mounted tungsten carbide cutting inserts, a hexalobular socket key and a plastic box.

Special features:
- An extraction system is not required as no hazardous or explosive dust is generated.
- Innovative and powerful milling tool designed for maximum safety, extreme durability, and ease of use.

D [Inch]	H [Inch]	U [Inch]	Max. RPM		Item no.	EDP no.
4-1/2	0,875	5/16	13,300	1	22000019	20100



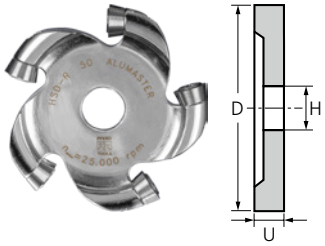
High Speed Disc ALUMASTER® HSD-R 4-1/2"/5" HICOAT

High-performance disc for processing aluminum alloys using an angle grinder. Also designed for peripheral milling and milling out root welds. The specially developed, turnable and replaceable tungsten carbide cutting inserts enable an extremely high stock removal rate.

Contents:
Includes the High Speed Disc **ALU**MASTER® HSD-R 4-1/2"/5" HICOAT incl. pre-mounted tungsten carbide cutting inserts, a hexalobular socket key and a plastic box.

Special features:
- Cutting inserts with HICOAT coating for reduced material adhesion and a longer service life.
- An extraction system is not required as no hazardous or explosive dust is generated.
- Innovative and powerful milling tool designed for maximum safety, extreme durability, and ease of use.

D [Inch]	H [Inch]	U [Inch]	Max. RPM		Item no.	EDP no.
4-1/2	0,875	5/16	13,300	1	22000021	20110



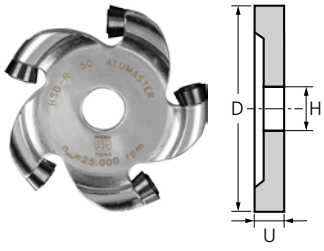
High Speed Disc ALUMASTER® HSD-R 2"

High-performance disc for processing aluminum alloys in hard-to-reach areas and delicate components. The specially developed, turnable and replaceable tungsten carbide cutting inserts enable an extremely high stock removal rate. Per safety standards, a tool guard is not required as the disc diameter is ≤ 2".

Contents:
Includes the High Speed Disc **ALU**MASTER® HSD-R 2" incl. pre-mounted tungsten carbide cutting inserts, a hexalobular socket key and a plastic box.

Special features:
- Can be used on angle grinders (mounting dia. 3/8"), straight grinders and flexible shafts using specially developed arbor.
- An extraction system is not required as no hazardous or explosive dust is generated.

D [Inch]	H [Inch]	U [Inch]	Max. RPM		Item no.	EDP no.
2	0.394	3/8	25,000	1	22000025	20120



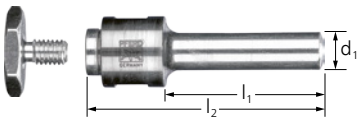
High Speed Disc ALUMASTER® HSD-R 2" HICOAT®

High-performance disc for processing very challenging aluminum alloys in hard-to-reach areas and delicate components. The specially developed, turnable and replaceable tungsten carbide cutting inserts enable an extremely high stock removal rate. Per safety standards, a tool guard is not required as the disc diameter is ≤ 2".

Contents:
Includes the High Speed Disc **ALU**MASTER® HSD-R 2" HICOAT incl. pre-mounted tungsten carbide cutting inserts, a hexalobular socket key and a plastic box.

Special features:
- Cutting inserts with HICOAT coating for reduced material adhesion and a longer service life.
- Can be used on angle grinders (mounting dia. 3/8"), straight grinders and flexible shafts using specially developed arbor.
- An extraction system is not required as no hazardous or explosive dust is generated.

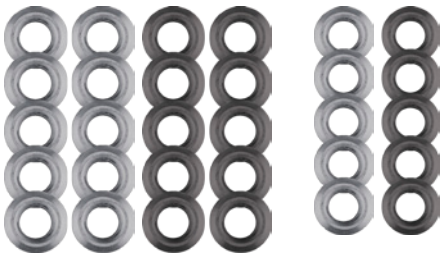
D [Inch]	H [Inch]	U [Inch]	Max. RPM		Item no.	EDP no.
2	0.394	3/8	25,000	1	22000027	20126



Arbor for High Speed Disc ALUMASTER® HSD-R 2"

For use on flex shaft drives, straight grinders, and robot spindles.

d_1 [Inch]	l_1 [Inch]	l_2 [Inch]	Suitable for		Item no.	EDP no.
5/16	1.299	1.968	22000025, 22000027	1	22000031	20123



Cutting insert sets

Cutting insert set for **ALU**MASTER® High Speed Disc. Each set is available with or without the HICOAT® coating.

D [Inch]	Contents [Piece]	Suitable for	Version		Item no.	EDP no.
5/16	5	22000025, 22000027	Without coating	1	22000026	20121
			With HICOAT coating	1	22000028	20127
	10	22000019, 22000021	Without coating	1	22000020	20101
			With HICOAT coating	1	22000022	20111

Screw set for cutting inserts

Screw set for PFERD TOOLS cutting inserts.

Contents [Piece]		Item no.	EDP no.
5	1	22000007	20137

HICOAT

ALUMASTER® service sets

For replacing individual cutting inserts on the **ALU**MASTER® High Speed Disc. Each set is available with or without the HICOAT® coating.

Contents:
Includes two cutting inserts, two bolts and a hexalobular socket key.

Suitable for	Version		Item no.	EDP no.
22000025, 22000027	Without coating	1	22000029	20122
	With HICOAT coating	1	22000030	20128
22000019, 22000021	Without coating	1	22000023	20102
	With HICOAT coating	1	22000024	20112

Torque spanner and spare blade

WIHA torque wrench with a tightening torque of 35.4 in-lbs (4 Nm) for optimally and securely mounting cutting inserts on the **ALU**MASTER High Speed Disc.

	Item no.	EDP no.
Torque Wrench for ALUMASTER		
1	22000017	20135
Spare blade for torque spanner		
1	22000018	20136

EDGE Cutting system for work on edges

Bolt set for cutting inserts

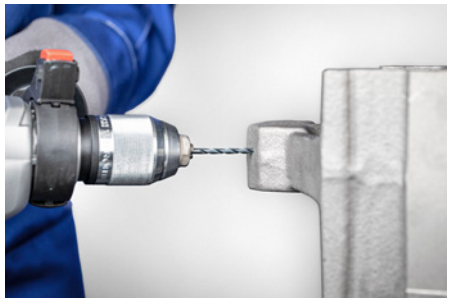
Screw set for PFERD TOOLS cutting inserts.

Contents [Piece]		Item no.	EDP no.
5	1	22000007	20137

Recommended rotational speed range [RPM]

To determine the recommended peripheral speed range [SFPM], please proceed as follows:
① Select the material group to be machined.
② Select the type.
③ Establish the peripheral speed range.

To determine the recommended rotational speed range [RPM], please proceed as follows:
④ Select the required diameter.
⑤ The peripheral speed range and the diameter determine the recommended rotational speed range.

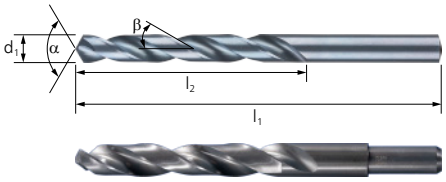


① Material group			② Design	③ Peripheral speed
Steel, cast steel	Steels up to 220 HV	Construction steels, carbon steels, tool steels, alloyed and non-alloyed steels, case-hardened steels, cast steel, tempering steels	STEEL	90–120 SFPM
	Steels over 220 HV		STEEL	70–90 SFPM
			INOX	
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels	INOX	40–70 SFPM
Non-ferrous metals	Soft non-ferrous metals	Aluminum alloys, brass, copper, zinc	STEEL	100–200 SFPM
			INOX	
	Hard non-ferrous metals	Bronze, titanium/titanium alloys, hard aluminum alloys (high Si content)	STEEL	90–170 SFPM
			INOX	
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite, with nodular graphite/nodular cast iron, white annealed cast iron, black annealed cast iron	STEEL	40–90 SFPM
			INOX	
Plastics, other materials	Fibre-reinforced thermoplastics and duroplastics, hard rubber, wood		STEEL	50–130 SFPM
			INOX	

2

Example:
Twist drill,
Drill dia. 1/64".
Steels up to 700 N/mm².
Peripheral speed: 80 – 115 SFPM
Rotational speed range:
19,000 – 27,870 RPM

④ Drill dia. [Inches]	⑤ Peripheral speeds [SFPM]								
	30	50	65	80	100	115	130	165	200
	Rotational speeds [RPM]								
1/64	7,960	11,940	15,920	19,900	23,890	27,870	31,850	39,810	47,770
1/32	3,980	5,970	7,960	9,950	11,940	13,930	15,920	19,900	23,890
3/64	2,650	3,980	5,310	6,630	7,960	9,290	10,620	13,270	15,920
1/16	1,990	2,990	3,980	4,980	5,970	6,970	7,960	9,950	11,940
5/64	1,590	2,390	3,180	3,980	4,780	5,570	6,370	7,960	9,550
3/32	1,330	1,990	2,650	3,320	3,980	4,640	5,310	6,630	7,960
7/64	1,140	1,710	2,270	2,840	3,410	3,980	4,550	5,690	6,820
1/8	1,000	1,490	1,990	2,490	2,990	3,480	3,980	4,980	5,970
9/64	880	1,330	1,770	2,210	2,650	3,100	3,540	4,420	5,310
5/32	800	1,190	1,590	1,990	2,390	2,790	3,180	3,980	4,780
11/64	720	1,090	1,450	1,810	2,170	2,530	2,900	3,620	4,340
3/16	660	1,000	1,330	1,660	1,990	2,320	2,650	3,320	3,980
13/64	610	920	1,220	1,530	1,840	2,140	2,450	3,060	3,670
7/32	570	850	1,140	1,420	1,710	1,990	2,270	2,840	3,410
15/64	530	800	1,060	1,330	1,590	1,860	2,120	2,650	3,180
1/4	500	750	1,000	1,240	1,490	1,740	1,990	2,490	2,990
17/64	470	700	940	1,170	1,140	1,640	1,870	2,340	2,810
9/32	440	660	880	1,110	1,330	1,590	1,770	2,210	2,650
19/64	420	640	850	1.060	1,270	1,490	1,700	2,120	2,650
5/16	400	600	810	1,010	1,210	1,410	1,610	2,020	2,420
21/64	380	580	770	960	1,150	1,340	1,530	1,920	2,300
11/32	370	550	730	920	1,100	1,280	1,460	1,830	2,200
23/64	350	520	700	870	1,050	1,220	1,400	1,750	2,100
3/8	340	500	670	840	1,010	1,170	1,340	1,680	2,010
25/64	320	480	640	800	970	1,130	1,290	1,610	1,930
13/32	310	460	620	770	930	1,080	1,240	1,550	1,860
27/64	300	450	600	740	890	1,040	1,190	1,490	1,790
7/16	290	430	570	720	860	1,000	1,150	1,430	1,720
29/64	280	420	550	690	830	970	1,110	1,380	1,660
15/32	270	400	540	670	800	940	1,070	1,340	1,610
31/64	260	390	520	650	780	910	1,040	1,290	1,550
1/2	250	380	500	630	750	880	1,000	1,250	1,500
5/8	200	300	400	500	600	700	800	1,000	1,200
3/4	170	250	340	420	500	590	670	840	1,010



HSS STEEL twist drill

High-performance HSS STEEL drill bits for industrial use on steel, aluminum, brass, bronze, cast material and plastics. Fully ground right-hand turning design with cross grinding. Drill bits 5/8" diameter or larger will feature a reduced shank diameter of 13/32" and shank length of 1-3/16". Drill bits 3/4" diameter or larger will feature a reduced shank diameter of 1/2" and shank length of 1-3/8".

Special features:

- Long service life and easy centering.
- Good chip removal and high concentricity.

d_1 [Inch]	l_2 [Inch]	l_1 [Inch]	α [°]	Spiral angle β [°]	Version		Item no.	EDP no.
1/64	3/8	3/4	118	25 – 30	STEEL	10	25204000	20000
1/32	1/2	1-3/8	118	25 – 30	STEEL	10	25204001	20001
3/64	3/4	1-3/4	118	25 – 30	STEEL	10	25204002	20002
1/16	7/8	1-15/16	118	25 – 30	STEEL	10	25204003	20003
5/64	1	2	118	25 – 30	STEEL	10	25204004	20004
3/32	1-1/4	2-1/4	118	25 – 30	STEEL	10	25204005	20005
7/64	1-1/2	2-5/8	118	25 – 30	STEEL	10	25204006	20006
1/8	1-5/8	2-3/4	118	25 – 30	STEEL	10	25204007	20007
9/64	1-3/4	2-7/8	118	25 – 30	STEEL	10	25204008	20008
5/32	2	3-1/8	118	25 – 30	STEEL	10	25204009	20009
11/64	2-1/8	3-1/4	118	25 – 30	STEEL	10	25204010	20010
3/16	2-3/8	3-1/2	118	25 – 30	STEEL	10	25204011	20011
13/64	2-1/2	3-5/8	118	25 – 30	STEEL	10	25204012	20012
7/32	2-5/8	3-3/4	118	25 – 30	STEEL	10	25204013	20013
15/64	2-3/4	3-15/16	118	25 – 30	STEEL	10	25204014	20014
1/4	2-7/8	4	118	25 – 30	STEEL	10	25204015	20015
17/64	2-15/16	4-1/4	118	25 – 30	STEEL	10	25204016	20016
9/32	3	4-3/8	118	25 – 30	STEEL	10	25204017	20017
19/64	3-1/8	4-1/2	118	25 – 30	STEEL	10	25204018	20018
5/16	3-1/4	4-5/8	118	25 – 30	STEEL	10	25204019	20019
21/64	3-3/8	4-3/4	118	25 – 30	STEEL	10	25204020	20020
11/32	3-1/2	4-15/16	118	25 – 30	STEEL	10	25204021	20021
23/64	3-5/8	5-1/8	118	25 – 30	STEEL	10	25204022	20022
3/8	3-3/4	5-1/4	118	25 – 30	STEEL	10	25204023	20023
25/64	3-7/8	5-5/16	118	25 – 30	STEEL	10	25204024	20024
13/32	4	5-3/8	118	25 – 30	STEEL	5	25204025	20025
27/64	4-1/8	5-1/2	118	25 – 30	STEEL	5	25204026	20026
7/16	4-1/4	5-5/8	118	25 – 30	STEEL	5	25204027	20027
29/64	4-5/16	5-3/4	118	25 – 30	STEEL	5	25204028	20028
15/32	4-1/2	5-7/8	118	25 – 30	STEEL	5	25204029	20029
31/64	4-9/16	6	118	25 – 30	STEEL	5	25204030	20030
1/2	4-5/8	6-1/4	118	25 – 30	STEEL	5	25204031	20031
5/8	5-1/4	7-1/8	118	25 – 30	STEEL	5	25204032	20032
3/4	5-5/8	7-3/4	118	25 – 30	STEEL	1	25204033	20033

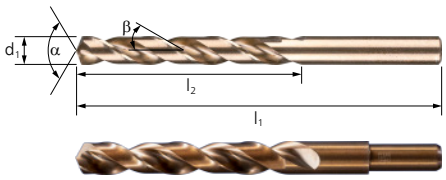
HSS STEEL twist drills, 29-piece set

This set contains 29 HSS STEEL drill bits, excellent for industrial use on steel.

Contents:
The set consists of 29 HSS STEEL drill bits from diameter 1/16" to 1/2".

Special features:
- The sturdy plastic case protects the products against dirt and damage.
- The securing of the HSS drill bits facilitates their easy selection and withdrawal.

Contents [Piece]	Version		Item no.	EDP no.
29	STEEL	1	25204035	20035



HSS INOX twist drill

High-performance HSS INOX drill bits for industrial use on tough and hard materials such as alloyed and high-strength steel and stainless steel (INOX). Fully ground right-hand turning design with cross grinding. Drill bits 5/8" diameter or larger will feature a reduced shank diameter of 13/32" and shank length of 1-3/16". Drill bits 3/4" diameter or larger will feature a reduced shank diameter of 1/2" and shank length of 1-3/8".

Special features:
- Highly temperature resistant due to Cobalt content. Robust tip profile.
- Very long service life and easy centering.
- Good chip removal and high concentricity.

d_1 [Inch]	l_2 [Inch]	l_1 [Inch]	α [°]	Spiral angle β [°]	Version		Item no.	EDP no.
1/64	3/8	3/4	135	36	INOX	10	25204036	20041
1/32	1/2	1-3/8	135	36	INOX	10	25204071	20042
3/64	3/4	1-3/4	135	36	INOX	10	25204037	20043
1/16	7/8	1-15/16	135	36	INOX	10	25204038	20044
5/64	1	2	135	36	INOX	10	25204039	20045
3/32	1-1/4	2-1/4	135	36	INOX	10	25204040	20046
7/64	1-1/2	2-5/8	135	36	INOX	10	25204041	20047
1/8	1-5/8	2-3/4	135	36	INOX	10	25204042	20048
9/64	1-3/4	2-7/8	135	36	INOX	10	25204043	20049
5/32	2	3-1/8	135	36	INOX	10	25204044	20050
11/64	2-1/8	3-1/4	135	36	INOX	10	25204045	20051
3/16	2-3/8	3-1/2	135	36	INOX	10	25204046	20052
13/64	2-1/2	3-5/8	135	36	INOX	10	25204047	20053
7/32	2-5/8	3-3/4	135	36	INOX	10	25204048	20054
15/64	2-3/4	3-15/16	135	36	INOX	10	25204049	20055
1/4	2-7/8	4	135	36	INOX	10	25204050	20056
17/64	2-15/16	4-1/4	135	36	INOX	10	25204051	20057
9/32	3	4-3/8	135	36	INOX	10	25204052	20058
19/64	3-1/8	4-1/2	135	36	INOX	10	25204053	20059
5/16	3-1/4	4-5/8	135	36	INOX	10	25204054	20060
21/64	3-3/8	4-3/4	135	36	INOX	10	25204055	20061
11/32	3-1/2	4-15/16	135	36	INOX	10	25204056	20062

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d_1 [Inch]	l_2 [Inch]	l_1 [Inch]	α [°]	Spiral angle β [°]	Version		Item no.	EDP no.
23/64	3-5/8	5-1/8	135	36	INOX	10	25204057	20063
3/8	3-3/4	5-1/4	135	36	INOX	10	25204058	20064
25/64	3-7/8	5-5/16	135	36	INOX	10	25204059	20065
13/32	4	5-3/8	135	36	INOX	5	25204060	20066
27/64	4-1/8	5-1/2	135	36	INOX	5	25204061	20067
7/16	4-1/4	5-5/8	135	36	INOX	5	25204062	20068
29/64	4-5/16	5-3/4	135	36	INOX	5	25204063	20069
15/32	4-1/2	5-7/8	135	36	INOX	5	25204064	20070
31/64	4-9/16	6	135	36	INOX	5	25204065	20071
1/2	4-5/8	6-1/4	135	36	INOX	5	25204066	20072
5/8	5-1/4	7-1/8	135	36	INOX	5	25204067	20073
3/4	5-5/8	7-3/4	135	36	INOX	1	25204068	20074

HSS INOX twist drills, 21-piece set

This set contains 21 HSS INOX drill bits, excellent for industrial use on stainless steel (INOX) and other non-ferrous metals.

Contents:
The set includes 21 HSS spiral drills in the INOX in HSSE-Co5 (M35) version with dia. 1/16" - 3/8", in increments of 1/32".

Special features:
- The sturdy plastic case protects the products against dirt and damage.
- The securing of the HSS drill bits facilitates their easy selection and withdrawal.

Contents [Piece]	Version		Item no.	EDP no.
21	INOX	1	25204069	20075

HSS STEEL twist drills, 21-piece set

This set contains 21 HSS STEEL drill bits, excellent for industrial use on steel.

Contents:
The set consists of 21 HSS STEEL drill bits from diameter 1/16" to 3/8".

Special features:
- The sturdy plastic case protects the products against dirt and damage.
- The securing of the HSS drill bits facilitates their easy selection and withdrawal.

Contents [Piece]	Version		Item no.	EDP no.
21	STEEL	1	25204034	20034

HSS INOX twist drills, 29-piece set

This set contains 29 HSS INOX drill bits, excellent for industrial use on stainless steel (INOX) and other non-ferrous metals.

Contents:
The set includes 29 HSS spiral drills in the INOX in HSSE-Co5 (M35) version with dia. 1/16" to 1/2", in increments of 1/32".

Special features:
- The sturdy plastic case protects the products against dirt and damage.
- The securing of the HSS drill bits facilitates their easy selection and withdrawal.

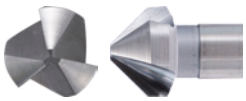
Contents [Piece]	Version		Item no.	EDP no.
29	INOX	1	25204070	20076

Countersink products
General information

The range of PFERD TOOLS countersinking tools includes conical countersinks and flat countersinks of a high-quality industrial standard. PFERD TOOLS also offers conical countersinks in the HSS Co5 type or with the high-quality HICOAT coating HC-FEP for working on particularly complex materials.

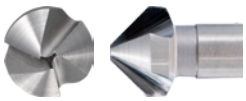
Types

Conical countersink



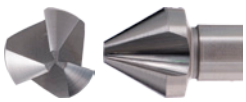
HSS countersink 90°
- Ideal for producing countersinks for 90° screws.

Available on special request.



HSS countersink 90° UGT
- Ideal for producing precise countersinks.
- Smooth running.
- Low countersinking force is needed to create a high quality surface finish.
- Specially developed geometry with open flutes for optimum chip removal and heat dissipation.
- Ideal for robotic and stationary applications.

Available on special request.



HSS countersink 60°
- Ideal for countersinking and deburring.

Available on special request.

Flat countersink

Quality grade fine (F)
- Flat countersinks with the quality grade “fine” are suitable for producing flat countersinks at through holes or blind holes in the tolerance range “fine” with high mounting accuracy.

Available on special request.

Quality grade medium (M)
- Flat countersinks with the quality grade “medium” are suitable for producing flat countersinks at through holes or blind holes in the tolerance range “medium” with extended mounting accuracy.

Available on special request.

For tapping hole (GKL)
- Flat countersinks for the tapping hole are suitable for producing flat countersinks at core holes for female threads.

Available on special request.

Recommended rotational speed range [RPM]

To determine the recommended peripheral speed range [SFPM], please proceed as follows:
① Select the material group to be machined.
② Select the type.
③ Establish the peripheral speed range.

To determine the recommended rotational speed range [RPM], please proceed as follows:
④ Select the required diameter.
⑤ The peripheral speed range and the diameter determine the recommended rotational speed range.

① Material group			② Design	③ Cutting speed
Steel, cast steel	Steels up to 370 HV (below 38 HRC)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, cast steel, tempering steels	HSS HSSE Co5 HICOAT HC-FEP	50–70 SFPM
	Hardened, heat-treated steels over 370 HV (over 38 HRC)	Tool steels, tempering steels, alloyed steels, cast steel	HSSE Co5 HICOAT HC-FEP	40–50 SFPM
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels	HSS HSSE Co5 HICOAT HC-FEP	40–50 SFPM
Non-ferrous metals	Soft non-ferrous metals	Aluminum alloys, brass, copper, zinc	HSS HSSE Co5 HICOAT HC-FEP	50–70 SFPM
	Hard non-ferrous metals	Bronze, titanium/titanium alloys, hard aluminum alloys (high Si content)	HSSE Co5 HICOAT HC-FEP	40–70 SFPM
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite EN-GJL (GG), with nodular graphite/nodular cast iron EN-GJS (GGG), white annealed cast iron EN-GJMW (GTW), black annealed cast iron EN-GJMB (GTS)	HSS HSSE Co5 HICOAT HC-FEP	40 SFPM
Plastics, other materials	Fibre-reinforced thermoplastics and duroplastics, hard rubber, wood		HSS HSSE Co5 HICOAT HC-FEP	40–50 SFPM

Example:
Conical countersink
Countersink dia. 5/8".
Steels up to 700 N/mm².
Cutting speed: 40-50 SFPM
Rotational speed range: 170-260 RPM

④ Countersink dia. [Inches]	⑤ Cutting speeds [SFPM]		
	40	50	70
	Rotational speeds [RPM]		
1/4	530	800	1,060
3/8	320	470	640
1/2	260	390	520
5/8	190	290	380
3/4	170	260	340

82° Countersinks

High performance tool with an 82° countersink angle for all common materials, such as steel, cast steel, and non-ferrous metals.

Special features:
- High stock removal rate and optimum chip removal.
- Bur-free results even at low cutting speeds.
- High workpiece surface quality and long service life.

d_1 [Inch]	d_2 [Inch]	l_1 [Inch]	α [°]	Version		Item no.	EDP no.
1/4	1/4	1-3/4	82	HSS	1	25202500	25500
3/8	1/4	2	82	HSS	1	25202501	25501
1/2	1/4	2-1/4	82	HSS	1	25202502	25502
5/8	1/4	2-3/8	82	HSS	1	25202503	25503
3/4	1/4	2-1/2	82	HSS	1	25202504	25504

82° Countersink set

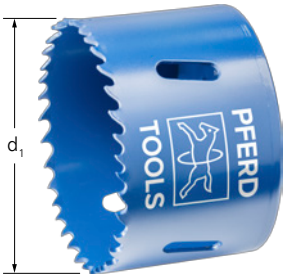
The set contains high performance tools with an 82° countersink angle for all common materials, such as steel, cast steel, and non-ferrous metals.

Special features:
- The sturdy plastic case protects the products against dirt and damage.

Contents [Piece]	Contents tool diameter [Inch]	Version		Item no.	EDP no.
5	1/4, 3/8, 1/2, 5/8, 3/4	HSS	1	25202505	25505

New item

2



Bi-metal hole saws

Hole saws made of tough, shatter-proof, sturdy HSS bi-metal for cost-effectively cutting out holes. The saw teeth are made of high-quality M42 (Co8) material.

Special features:
- High concentricity. Chattering during sawing is prevented by the alternating tooth pitch.
- Good chip removal.
- The hole saw is conveniently centered and guided via the replaceable bi-metal pilot drill.

d_1 [Inch]	Max. cutting depth [Inch]	Opt. RPM steel	Opt. RPM stainless steel (INOX)	Opt. RPM non-ferrous metals	Opt. RPM plastics		Item no.	EDP no.
Thread version 1/2-20 UNF, compatible arbors EDP 29033, 29036 or quick-mounting system EDP 29042								
9/16	1-5/16	620	310	1,000	1,000	1	25100114	29100
5/8	1-5/16	550	275	880	880	1	25100116	29101
11/16	1-7/16	520	260	820	820	1	25100117	29102
3/4	1-7/16	460	230	740	740	1	25100119	29103
13/16	1-7/16	410	205	670	670	1	25100221	29104
7/8	1-7/16	390	195	640	640	1	25100322	29105
15/16	1-7/16	360	180	580	580	1	25100424	29106
1	1-7/16	350	175	560	560	1	25100425	29107
1-1/16	1-7/16	325	160	520	520	1	25100527	29108
1-1/8	1-7/16	300	150	480	480	1	25100629	29109
1-3/16	1-7/16	285	145	470	470	1	25100730	29110
Thread version 5/8-18 UNF, compatible arbor EDP 29034 or quick-mounting system EDP 29042								
1-1/4	1-7/16	275	140	440	440	1	25100832	29111
1-5/16	1-7/16	260	135	420	420	1	25100933	29112
1-3/8	1-7/16	250	125	400	400	1	25101035	29113
1-7/16	1-7/16	235	115	370	370	1	25101137	29114
1-1/2	1-7/16	230	115	370	370	1	25101138	29115
1-9/16	1-7/16	215	110	350	350	1	25101240	29116
1-5/8	1-7/16	210	105	340	340	1	25101241	29117
1-11/16	1-1/4	200	100	330	330	1	25101343	29118
1-3/4	1-1/4	195	95	320	320	1	25101344	29119
1-13/16	1-1/4	185	90	300	300	1	25101346	29120
1-7/8	1-1/4	180	90	290	290	1	25101448	29121
2	1-1/4	170	85	270	270	1	25101551	29122
2-1/16	1-1/4	165	80	270	270	1	25101552	29123
2-1/8	1-1/4	160	80	260	260	1	25101654	29124
2-1/4	1-1/4	150	75	250	250	1	25101757	29125
2-5/16	1-1/4	145	70	240	240	1	25101859	29126
2-3/8	1-1/4	140	70	230	230	1	25101860	29127
2-1/2	1-1/4	135	65	220	220	1	25101963	29128
2-9/16	1-1/4	135	65	220	220	1	25101965	29129
2-5/8	1-1/4	130	65	210	210	1	25102067	29130

Continued on next page

Bi-metal hole saws, sets and accessories

Bi-metal hole saws

d_1 [Inch]	Max. cutting depth [Inch]	Opt. RPM steel	Opt. RPM stainless steel (INOX)	Opt. RPM non-ferrous metals	Opt. RPM plastics		Item no.	EDP no.
2-3/4	1-1/4	125	60	200	200	1	25102170	29131
2-7/8	1-1/4	120	60	190	190	1	25102273	29132
3	1-1/4	115	55	180	180	1	25102376	29133
3-1/8	1-1/4	110	55	180	180	1	25102479	29134
3-1/4	1-1/4	105	50	170	170	1	25102583	29135
3-3/8	1-1/4	100	50	160	160	1	25102586	29136
3-1/2	1-1/4	95	45	160	160	1	25102689	29137
3-5/8	1-1/4	95	45	150	150	1	25102792	29138
3-3/4	1-1/4	90	45	150	150	1	25102895	29139
3-7/8	1-1/4	90	45	140	140	1	25102898	29140
4	1-1/4	85	40	140	140	1	25102912	29141
4-1/8	1-1/4	80	40	130	130	1	25103015	29142
4-3/8	1-1/4	75	35	130	130	1	25103111	29144
4-1/2	1-1/4	75	35	120	120	1	25103114	29145
4-3/4	1-1/4	70	35	120	120	1	25103221	29146
5	1-1/4	65	30	110	110	1	25103227	29147
5-1/2	1-1/4	60	30	100	100	1	25103440	29148
6	1-1/4	55	25	90	90	1	25103552	29149

Bi-metal hole saw sets

Hole saw set for mechanics

The set contains nine bi-metal hole saws in the most common diameters, including accessories, for mechanics in the construction, container and pipeline industries. Operating instructions are included.

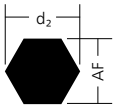
Contents:
The set consists of nine bi-metal hole saws ranging from 3/4" to 2-1/2" in diameter, two hole saw arbors, a pilot drill, an LSA adapter, an Allen key, and an ejection spring.

Special features:
- It is possible to use hole saws LS 35 and LS 38 with the LSA adapter and washer.
- Supplied in well-arranged plastic case which protects against dirt and damage.

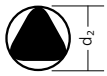
L [Inch]	B [Inch]	H [Inch]		Item no.	EDP no.
12-13/64	10-1/4	3-5/32	1	25901300	29180

Shank dimensions [in]

Hexagonal



Round



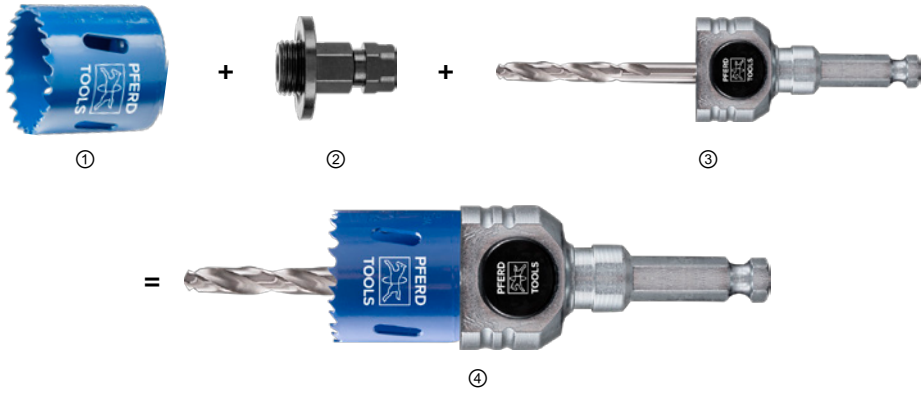
Example combination

① HSS hole saw

② Adapter

③ Quick-mounting system

④ HSS hole saw with adapter and quick-mounting system



①

②

③

Hole saw arbors

Hole saw arbors are designed for mounting the hole saw and the pilot drill. The hole saw arbors come with an HSS pilot drill and an ejection spring.

Special features:

- The spring can easily be removed manually without requiring additional tools.

Image	Suitable for hole saw diameters [Inch]	Suitable pilot drill	d_2 [Inch]	Width across flats (SW) [Inch]	Shank type	Thread		Item no.	EDP no.
①	9/16 to 1-3/16	25202005	13/32	3/8	hexagonal	1/2–20 UNF	1	25200111	29033
②	1-1/4 to 6	25202005	13/32	3/8	hexagonal	5/8–18 UNF	1	25200211	29034
③	9/16 to 1-3/16	25202007	1/4	-	round	1/2–20 UNF	1	25200407	29036

Quick-mounting system for hole saws

Clamping system for easily and quickly using and changing HSS hole saws on conventional power drills. Adapter set EDP 29043 is available for hole saw diameter 9/16" to 1-3/16", and adapter set EDP 29044 for hole saw diameter 1-1/4" to 6".

Special features:
- After the application is completed, the hole saw and quick-mounting system can be separated without the use of additional tools by simply pressing a button.
- Quick-mounting system bi-metal hole saw drill.

Suitable for hole saw diameters [Inch]	Shank type	d_2 [Inch]	Width across flats (SW) [Inch]		Item no.	EDP no.
9/16 to 6	hexagonal	7/16	7/16	1	25200900	29042

① ②

Adapter for hole saws

Adapters tailored to the hole saw diameters.

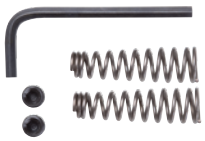
Image	Suitable for hole saw diameters [Inch]		Item no.	EDP no.
①	9/16 to 1-3/16	3	25200910	29043
②	1-1/4 to 6	3	25200920	29044

① ②

Bi-metal pilot drill

Bi-metal pilot drills for use with bi-metal hole saw arbors and quick-mounting systems.

Image	Suitable for hole saw diameters [Inch]	Suitable shanks	Suitable for quick-mounting system	d_2 [Inch]	l_1 [Inch]	Shank type		Item no.	EDP no.
①	9/16 to 6	25200111, 25200211	-	1/4	3-5/32	round	1	25202005	29040
②	9/16 to 6	25200407	25200900	1/4	3-15/16	round	1	25202007	29039



Repair set for hole saw arbors

Using this replacement set, the most common hole saw parts are replaceable in case of loss or damage.

Contents:
The repair set contains two ejection springs, two hexagon socket head screws and a hexagon socket wrench.

	Item no.	EDP no.
1	25200515	29072

LSA adapter

Hole saws EDP 29111 through EDP 29115 can be used with the arbor adapter EDP 29070, a washer, and the hole saw arbor EDP 29033 or EDP 29036.

Suitable for hole saw diameters [Inch]	Suitable shanks		Item no.	EDP no.
1-1/4 to 1-1/2	25200111, 25200407	1	25203001	29070

Arbor extension for hole saws

Arbor extension for extending HSS hole saw arbors to provide the necessary distance between the drive and work area.

Special features:
- Designed for working on components that are difficult to access and for work on hollow walls.
- Reduces damage to the workpiece and power tool.
- Keeps dust out of the power tool during use.

Suitable shanks	Shank type	Hexagon socket d_1 [Inch]	Width across flats (SW) [Inch]		Item no.	EDP no.
25200111, 25200211	hexagonal	3/8	7/16	1	25200516	29071

PFERD TOOLS

3

Mounted points and bench grinding wheels

Mounted points and bench grinding wheels
Table of contents

PFERD TOOLS

Mounted points and bench grinding wheels

- Highlights from the PFERD TOOLS range 161
- Quick product selection guide 162
- General information 163

Mounted points

- For universal use on steel and cast steel 164
- For edge grinding on steel and cast steel 165
- For universal use on materials that are difficult to machine 168
- For universal use on stainless steel (INOX) 170
- For edge grinding on stainless steel (INOX) 171
- For surface grinding on grey and nodular cast iron 172
- For edge grinding on grey and nodular cast iron 173

Bench grinding wheels

- Bench grinding wheels 175

Special tools for tool and die-making

- Grinding and polishing stones 179

Abrasive cones and plugs

- Abrasive cones and plugs 181

Hand dressers

- Dressing stones 182

Mounted points and bench grinding wheels
Highlights from the PFERD TOOLS range

TOUGH mounted points

TOUGH type mounted points have a state-of-the-art vitrified bond made of an aluminum oxide mixture of ceramic oxide grain and white aluminum oxide. These mounted points are specifically designed for use on titanium materials, nickel-based and cobalt based alloys, hardened steel components and built-up weld deposits. Their applications include weld dressing on repair welds and reworking on turbine blades during aircraft maintenance and regrinding of repair welds in tool and die-making. TOUGH type mounted points can easily machine hardened, heat-treated steels over 1,200 N/mm² (> 38 HRC).

Scan the QR code to find out more about the PFERD TOOLS mounted points.

Bench grinding wheels

PFERD TOOLS offers a very wide range of high-quality bench grinding wheels for working with a large variety of materials and for many different applications. Bench grinding wheels are available with different dimensions, grains and abrasives.

Scan the QR code to find out more about the PFERD TOOLS bench grinding wheels.

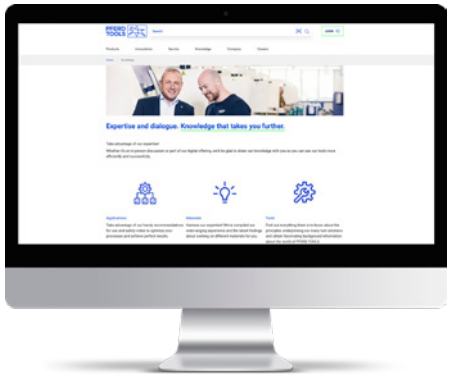
Grinding and polishing stones

PFERD TOOLS grinding and polishing stones are versatile tools for finish machining on forms in tool and die-making. They are used for step-by-step fine grinding after machining or after electrical discharge machining (EDM) to grind in a brushed finish/polish in the demoulding direction or to prepare for high-gloss polishing with diamond pastes.

Scan the QR code to find out more about grinding and polishing stones.

Find additional in-depth information online

Scan the QR code to find out a wide range of tool and application knowledge relating to PFERD TOOLS' high-quality tools and their huge variety of materials.



Quick product selection guide

① Material group
Select the material to be machined.

② Application
Select the application.

③ Mounted point type
After determining the application (see column ②), the appropriate type is shown in the horizontal row.

① Material group				Bond ▸	Resinoid bond		Vitrified bond							
				③ Mounted point type ▸	INOX	INOX EDGE	RUBBER	ALU	TOUGH	CAST	CAST STEEL	STEEL	STEEL EDGE	CAST EDGE
				Abrasive ▸	ADW	AN	AH	CN	AWCO	ARN	ADR	ADW	AR	CU
				Rec. peripheral speed ▸	6,900–9,800 SFPM	6,900–9,800 SFPM	1,000–4,000 SFPM	4,000–7,800 SFPM	6,900–9,800 SFPM	6,900–9,800 SFPM	6,900–9,800 SFPM	6,900–9,800 SFPM	5,000–7,800 SFPM	6,900–9,800 SFPM
				② Application ▾										
Steel, cast steel	Steels up to 370 HV (< 38 HRC)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, tempering steels	Universal									●		
			Surface	○								●	○	
			Edges		○							○	●	
	Hardened, heat-treated steels over 370 HV (> 38 HRC)	Tool steels, tempering steels, alloyed steels	Universal									●		
			Surface						●			○		
			Edges						●				○	
	Cast steel	Non-alloyed cast steel, low-alloyed cast steel	Universal								●			
			Surface	○						○	○	●	○	
			Edges		○						○	○	●	
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels	Surface	●	○							○		
			Edges	○	●								○	
Non-ferrous metals	Soft non-ferrous metals, non-ferrous metals	Aluminum alloys, brass, copper, zinc	Universal	○				●						
	Hard non-ferrous metals	Bronze, titanium, titanium alloys, hard aluminum alloys		●				○	●			○		
	High-temperature-resistant materials	Nickel-based and cobalt-based alloys (engine and turbine construction)		○					●					
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite, with nodular graphite/ nodular cast iron, white annealed cast iron, black annealed cast iron	Surface	○	○					●	○		○	○
			Edges	○	○					○	○		○	●
Plastics, other materials	Fibre-reinforced plastics, thermoplastics, rubber, wood		Universal			●	○							

● = highly recommended ○ = recommended

Mounted points and bench grinding wheels
General information

PFERD TOOLS

Applications of mounted points

General use

For general use on surfaces and edges, the emphasis is on the balance between abrasive performance and service life.

Surface grinding

In surface grinding, the mounted points are subject to lower loads. The mounted point bond is comparatively soft and has been designed to give high stock removal rates.

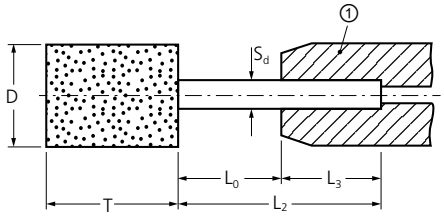
Edge grinding

In edge grinding, the mounted points must be dimensionally stable. The mounted point bond is comparatively hard and designed for a long service life.

3

Dimensional specifications

D = Mounted point outer dia.
T = Mounted point width
S_d = Shank dia.
L_0 = Unsupported shank length
L_2 = Shank length
L_3 = Clamping length of shank (① collet)



Abrasive

Safety notes

All PFERD TOOLS mounted points are approved for a maximum operating speed of 9,800 SFPM. The maximum permitted rotational speeds for the various shank lengths and shank diameters are defined in DIN 69170 based on EN 12413. These must be adhered to in order to avoid buckling of the shank during use. Regardless of the shank length, the clamping length (L_3) of the shank must be at least 1/2".

- Shape and dimensions of the mounted point
- Diameter of the steel shank S_d
- Unsupported shank length L_0

Wear eye protection!

Wear hearing protection!

Wear dust respirators!

Wear gloves!

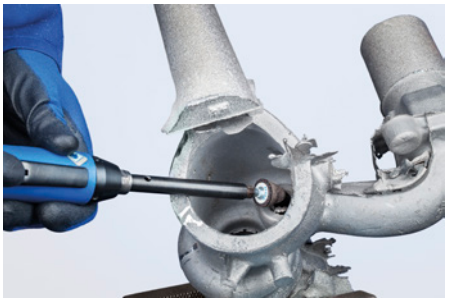
Observe the safety notes!

Custom-made products

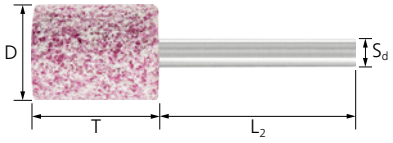
If our extensive catalog selection is insufficient to meet your machining needs, we can manufacture grinding pins specifically for your application in high-performance PFERD TOOLS quality upon request.We take into account your specifications and requirements, drawings, details on dimensions and shapes, grit sizes and types, grit mixtures, as well as shank diameters and lengths. Please contact our sales consultants. We'd be happy to advise you.

Extensions for drive spindles

Mounted points with a shank diameter of 1/8" and 1/4" can be extended with drive spindle extensions. They allow access to hard-to-reach areas. The drive spindle extension is mounted in the collet of the power tool (air grinder or electric grinder), or in the handpiece of the flexible shaft. In some applications, spindle extensions are an economical alternative to customized mounted points with long shanks.



For universal use on steel and cast steel



STEEL cylindrical mounted points

These mounted points are ideal for grinding high-speed steel (HSS) moulded parts and weld dressing of weld seams on steel constructions. The cylindrical shape is ideal for grinding bores, radii and contours.

Special features:

- Good grinding performance and stock removal rate in universal use on steel workpieces.
- High stock removal rate results in increased productivity.
- Particularly suitable for work on surfaces.

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/4	1-1/2	W 189	1/2	2	46	24,000	24,000	10	39101638	33724
		W 220	1	1	30	25,500	25,500	5	39101653	34186
		W 222	1	2	30	15,900	15,900	10	39101655	34216
		W 239	1-1/2	2	30	12,750	12,750	5	39101998	34471
		W 242	2	1	46	17,200	17,200	5	39101318	34512

Mounted points
For universal use on steel and cast steel

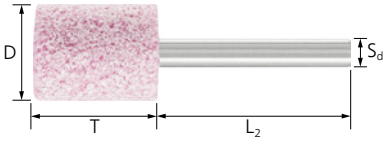
Series A STEEL

These mounted points are ideal for grinding high-speed steel (HSS) moulded parts and weld dressing of weld seams on a wide range of different contours on steel constructions.

Special features:
- Good grinding performance and stock removal rate in universal use on steel workpieces.
- High stock removal rate results in increased productivity.
- Particularly suitable for work on surfaces.

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/4	1-1/2	A 1	3/4	2-1/2	30	19,800	19,800	10	39105041	31000
		A 3	1	2-3/4	30	16,100	16,100	10	39101950	31020
		A 4	1-1/4	1-1/4	30	26,900	30,560	100	*39101692*	31030
		A 5	3/4	1-1/8	30	45,000	45,000	10	*39101598*	31040
		A 11	7/8	2	30	19,860	19,860	10	39105047	31060

For edge grinding on steel and cast steel



STEEL EDGE cylindrical mounted points

These mounted points are particularly ideal for edge grinding and for deburring work, as well as for grinding chamfers for weld seam preparation and weld dressing on contours. The cylindrical shape is ideal for grinding bores, radii and contours.

Special features:
- Long service life and low tool wear due to hard, dimensionally stable bond.
- Cost-effective due to high edge stability, even on low-speed power tools.
- Ideal for work on edges.

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/8	1-1/4	W 163	1/4	1/2	100	60,000	60,000	10	*39101936*	33344
		W 170	5/16	1/2	80	52,500	52,500	10	35330278	33446
1/4	1-1/2	W 179	3/8	1-1/4	46	45,750	45,750	10	39101527	33575
		W 187	1/2	1	46	40,500	40,500	10	39101492	33695
		W 189	1/2	2	46	24,000	24,000	10	*39101329*	33725
		W 205	3/4	1	60	34,500	34,500	10	*39101501*	33968
		W 221	1	1-1/2	30	19,120	19,120	10	*39101305*	34202
		W 222	1	2	30	15,900	15,900	10	39101079	34217

Continued on next page

Discontinued product

Mounted points
For edge grinding on steel and cast steel

PFERD TOOLS

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/4	1-1/2	W 222	1	2	60	15,900	15,900	10	39101291	34223
		W 220	1	1	30	25,500	25,500	10	39105059	34187
		W 237	1-1/2	1	30	16,700	22,500	5	39100968	34442
		W 238	1-1/2	1-1/2	30	15,600	15,600	5	*39101375*	34457
		W 242	2	1	30	19,100	19,100	5	39100997	34517

Series A STEEL EDGE

These mounted points are ideal for edge grinding and for deburring work, for grinding chamfers for weld seam preparation and weld dressing on a wide range of different contours.

Special features:

- Long service life and low tool wear due to hard, dimensionally stable bond.
- Cost-effective due to high edge stability, even on low-speed power tools.
- Ideal for work on edges.

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/4	1-1/2	A 1	3/4	2-1/2	30	19,800	19,800	10	39105042	31001
		A 2	1	1-1/4	30	26,000	38,200	10	*39105043*	31011
		A 3	1	2-3/4	30	16,100	16,100	10	39105044	31021
		A 11	7/8	2	30	19,860	19,860	10	39105048	31061
		A 12	11/16	1-1/4	30	40,000	48,000	10	39105050	31071
		A 21	1	1	30	26,000	34,500	10	39105052	31111
		A 24	1/4	3/4	60	76,500	76,500	10	39105053	31144
		A 36	1-5/8	3/8	60	16,000	23,520	5	39105055	31224
		A 37	1-1/4	1/4	30	21,000	30,560	5	39105056	31234
		A 38	1	1	30	26,700	34,500	10	*39101605*	31241

Discontinued product

Mounted points
For edge grinding on steel and cast steel

Series B STEEL EDGE

These mounted points are ideal for edge grinding and for deburring work, for grinding chamfers for weld seam preparation and weld dressing on a wide range of different contours on smaller or more delicate components.

Special features:
- Long service life and low tool wear due to hard, dimensionally stable bond.
- Cost-effective due to high edge stability, even on low-speed power tools.
- Ideal for work on edges.

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/8	1-1/4	B 52	3/8	3/4	80	45,370	45,370	10	39102034	32385
		B 54	1/4	1/2	100	60,000	60,000	100	39101565	32408
		B 97	1/8	3/8	100	105,000	105,000	10	*39102036*	32658
		B 121	1/2	1/2	80	45,370	45,370	10	39102031	32785
		B 122	3/8	3/8	80	61,650	61,650	10	39101932	32795
		B 124	1/8	1/8	100	105,000	105,000	10	39102011	32818
		B 125	1/4	1/4	100	81,370	81,370	10	39105058	32827

23-piece STEEL EDGE mounted point set

The set is exceptionally well suited for grinding high-speed steel (HSS) moulded parts and weld dressing of weld seams on steel constructions. It contains 23 mounted points with 1/4" shank diameter in the most common shapes and dimensions.

Contents:
Contains five each of the following mounted points: A 1, A 3, A 11, W 222 and three mounted points of type W 242.

Special features:
- Good grinding performance and stock removal rate in universal use on steel workpieces.
- High stock removal rate results in increased productivity.
- Ideal for work on edges.

S_d [Inch]	Grit size		Item no.	EDP no.
1/4	30	1	39008833	39000

Discontinued product

Mounted points
For edge grinding on steel and cast steel

50-piece STEEL EDGE mounted point set

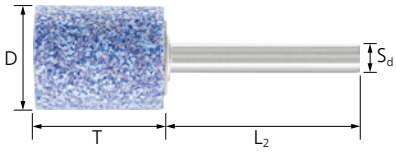
The set is exceptionally well suited for edge grinding and for deburring work, as well as for grinding chamfers for weld seam preparation and weld dressing on contours. It contains 50 mounted points with 1/4" shank diameter in the most common shapes and dimensions.

Contents:
Contains five each of the following mounted points: A 1, A 4, A 12, A 15, A 21, A 24, A 37, W 189, W 215 and W 220.

Special features:
- Good grinding performance and stock removal rate in universal use on steel workpieces.
- High stock removal rate results in increased productivity.
- Ideal for work on edges.

S_d [Inch]	Grit size		Item no.	EDP no.
1/4	30/60	1	39008834	39005

For universal use on materials that are difficult to machine



TOUGH, cylindrical shape

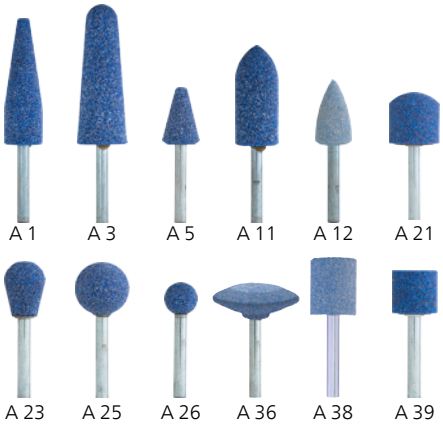
These mounted points are ideal for weld dressing on repair welds, reworking on turbine blades during aircraft maintenance, and regrinding of repair welds in tool and die-making. The cylindrical shape is ideal for grinding bores, radii and contours.

Special features:
- Cool grinding due to the easily broken-down grain mixture.
- High stock removal rate results in increased productivity.
- The self-sharpening properties of the ceramic oxide grain provide consistent stock removal rates throughout the life of the product.

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/8	1-1/4	W 154	3/16	1/2	60	70,500	70,500	10	39102075	30127
		W 163	1/4	1/2	80	60,000	60,000	10	35323281	30132
		W 170	5/16	1/2	80	52,500	52,500	10	35330281	30136
		W 215	1	1/8	80	38,200	38,200	10	35375281	30168
1/4	1-1/2	W 179	3/8	1-1/4	80	45,750	45,750	10	39102081	30142
		W 189	1/2	2	46	24,000	24,000	10	35449281	30151
		W 220	1	1	46	25,500	25,500	10	*35480281*	30169
		W 222	1	2	46	15,900	15,900	10	35482281	30175
		W 239	1-1/2	2	46	12,750	12,750	5	*35492281*	30188
		W 242	2	1	46	19,100	19,100	5	35493281	30191

Discontinued product

Mounted points
For universal use on materials that are difficult to machine



Series A TOUGH

Series A mounted points are particularly well suited to use on larger components. Due to the special shapes of series A mounted points, it is possible to grind in a variety of contours.

Special features:
- The self-sharpening properties of the ceramic oxide grain provide consistent stock removal rates throughout the life of the product.
- High stock removal rate results in increased productivity.

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/4	1-1/2	A 1	3/4	2-1/2	46	19,800	19,800	10	35001281	30000
		A 3	1	2-3/4	46	16,100	16,100	10	35003281	30003
					80	16,100	16,100	10	39102089	30004
		A 5	3/4	1-1/8	46	45,000	45,000	10	*35005281*	30006
		A 11	7/8	2	46	19,860	19,860	10	35011281	30010
		A 12	11/16	1-1/4	46	48,000	48,000	10	*35012281*	30012
		A 25	1	1	46	34,000	35,620	10	39102095	30022
		A 36	1-5/8	3/8	46	21,000	23,520	5	*35036281*	30031

Series B TOUGH

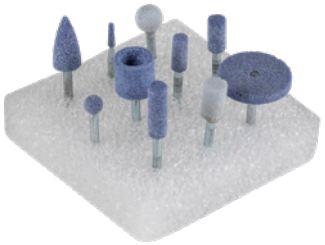
Series B mounted points are suitable for use on smaller or more delicate components, such as in tool and mould construction. Due to the special shapes of series B mounted points, it is possible to grind in a variety of contours.

Special features:
- Cool grinding due to the easily broken-down grain mixture.
- High stock removal rate results in increased productivity.
- The self-sharpening properties of the ceramic oxide grain provide consistent stock removal rates throughout the life of the product.

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/8	1-1/4	B 52	3/8	3/4	60	45,370	45,370	10	39102100	30064
					80	45,370	45,370	10	35112281	30065

Discontinued product

Mounted points
For universal use on materials that are difficult to machine



TOUGH mounted point set, 10-piece, fine

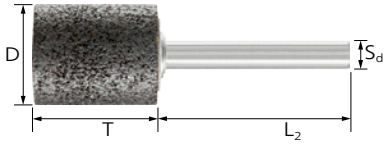
This set is particularly suitable for weld dressing on repair welds, reworking on turbine blades during aircraft maintenance, and regrinding of repair welds in tool and mould-making. It contains 10 mounted points with 1/8" shank diameter in the most common shapes and dimensions for finishing work.

Contents:
Contains one each of the following mounted points: B 52, B 97, B 122, B 125, B 131, W 154, W 163, W 134, W 170 and W 215.

Special features:
- Cool grinding due to the easily broken-down grain mixture.
- High stock removal rate results in increased productivity.
- The self-sharpening properties of the ceramic oxide grain provide consistent stock removal rates throughout the life of the product.

S_d [Inch]	Grit size		Item no.	EDP no.
1/8	80	1	*33920205*	39002

For universal use on stainless steel (INOX)



INOX cylindrical shape

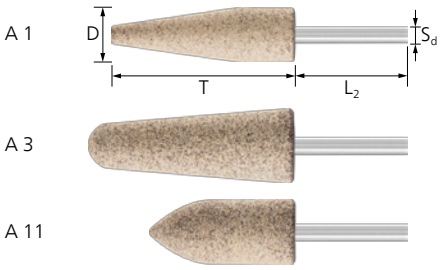
These mounted points are used for rough grinding of stainless steel (INOX) castings and grinding of moulded parts made of high-temperature-resistant alloys. The cylindrical shape is ideal for grinding bores, radii and contours.

Special features:
- Ideal for use on temperature-sensitive materials due to cool-grinding properties.
- Increased operator comfort due to low vibration grinding

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/4	1-1/2	W 222	1	2	30	15,900	15,900	10	39101663	35382
		W 236	1-1/2	1/2	30	22,900	25,470	5	39101664	35409

Discontinued product

Mounted points
For universal use on stainless steel (INOX)



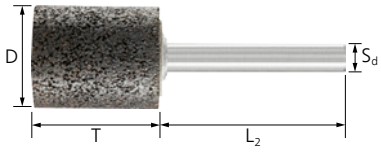
Series A INOX

These mounted points are used for rough grinding of a wide range of different contours on stainless steel (INOX) castings and grinding of moulded parts made of high-temperature-resistant alloys.

Special features:
- Ideal for use on temperature-sensitive materials due to cool-grinding properties.
- Increased operator comfort due to low vibration grinding

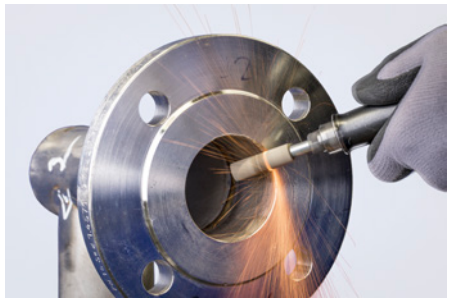
S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/4	1-1/2	A 1	3/4	2-1/2	30	19,800	19,800	10	39101658	35100
		A 3	1	2-3/4	30	16,100	16,100	10	39101659	35104
		A 11	7/8	2	30	19,860	19,860	10	39101660	35112

For edge grinding on stainless steel (INOX)



INOX EDGE, cylindrical shape

Applications include weld dressing on fillet welds, removing burrs and grinding chamfers on high-temperature-resistant alloys and stainless steel components. The cylindrical shape is ideal for grinding bores, radii and contours.



Special features:
- Ideal for use on temperature-sensitive materials due to cool-grinding properties.
- Increased comfort due to low-vibration grinding and high dimensional stability on edges.
- Cost-effective due to high edge stability, even on low-speed power tools.

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/4	1-1/2	W 189	1/2	2	46	24,000	24,000	10	39101376	35337
		W 220	1	1	30	25,500	25,500	10	39101248	35379
		W 222	1	2	30	15,900	15,900	10	39101347	35383
		W 236	1-1/2	1/2	30	22,900	25,470	5	39101547	35410

Mounted points
For edge grinding on stainless steel (INOX)

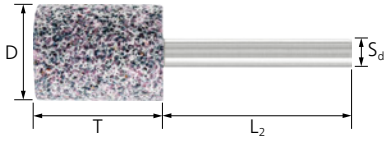
Series A INOX EDGE

Applications include weld dressing on fillet welds, removing burrs and grinding chamfers with different contours on high-temperature resistant alloys and stainless steel components.

Special features:
- Ideal for use on temperature-sensitive materials due to cool-grinding properties.
- Increased comfort due to low-vibration grinding and high dimensional stability on edges.
- Cost-effective due to high edge stability, even on low-speed power tools.

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/4	1-1/2	A 1	3/4	2-1/2	30	19,800	19,800	10	39101387	35101
		A 3	1	2-3/4	46	16,100	16,100	10	39100794	35105
		A 5	3/4	1-1/8	30	45,000	45,000	10	39101537	35109
		A 11	7/8	2	30	19,860	19,860	10	39105049	35113

For surface grinding on grey and nodular cast iron



CAST cylindrical shape

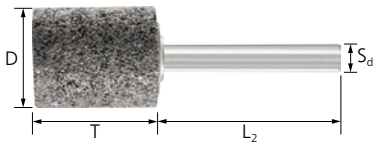
These mounted points are ideal for cleaning workpieces and for grinding out shrinkage holes. The cylindrical shape is ideal for grinding bores, radii and contours.

Special features:
- Designed for use on surfaces and edges.
- Combined with high peripheral speeds, very well suited for surface use.
- High grinding performance and good service life. High stock removal rates dues to coarse grit size.

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/4	1-1/2	W 222	1	2	30	15,900	15,900	10	*35482271*	34215

Discontinued product

Mounted points
For edge grinding on grey and nodular cast iron



CAST EDGE cylindrical shape

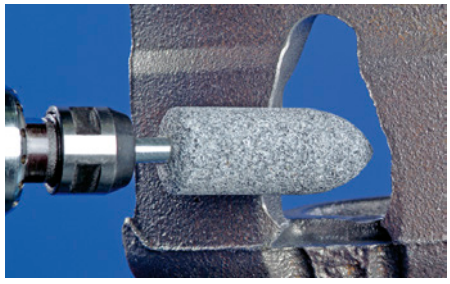
These mounted points are particularly good for edge grinding, for deburring and grinding out sand inclusions and metal contamination on grey and nodular cast iron. The cylindrical shape is ideal for grinding bores, radii and contours.

Special features:
- Highly dimensionally stable due to the high bond content.
- Cost-effective due to high edge stability, even on low-speed power tools.

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/4	1-1/2	W 222	1	1	30	15,900	15,900	10	35482303	34218

Series A CAST EDGE

These mounted points are particularly good for edge grinding, for deburring and grinding out sand inclusions and metal contamination on a wide range of different contours on grey and nodular cast iron.



Special features:
- Highly dimensionally stable due to the high bond content.
- Cost-effective due to high edge stability, even on low-speed power tools.

S_d [Inch]	L_2 [Inch]	USA type	D [Inch]	T [Inch]	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
1/4	1-1/2	A 3	1	2-3/4	30	16,100	16,100	10	39101924	31022
		A 5	3/4	1-1/8	30	45,000	45,000	10	35005303	31042
		A 11	7/8	2	30	19,860	19,860	10	39101951	31062

Bench grinding wheels
General information

PFERD TOOLS

Safety notes

- The maximum permitted peripheral speed is 6,900 SFPM.
- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.
- Before clamping, the grinding wheel must be ring tested to make sure that it does not have any cracks (undamaged grinding wheels give a clear tone).

Wear eye protection!

Wear hearing protection!

Wear dust respirators!

Wear gloves!

Observe the safety notes!

Do not use if damaged!

Quick product selection guide

Material group ▼		Version ▶	UNIVERSAL	CARBIDE	HSS
Steel	Steels up to 370 HV (< 38 HRC)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, tempering steels	●		○
	Hardened, heat-treated steels over 370 HV (> 38 HRC)	Tool steels, tempering steels, alloyed steels	○	●	●
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels	●		
Tungsten carbide	–	–		●	
Non-ferrous metals	Soft non-ferrous metals, non-ferrous metals	Aluminum alloys, brass, copper, zinc	●	○	
	Hard non-ferrous metals	Bronze, titanium, titanium alloys, hard aluminum alloys	○	○	
Other materials	Glass			●	

● = highly recommended ○ = recommended

UNIVERSAL type

These bench grinding wheels are ideal for universal use in the workshop. They are suitable for working on steel, cast steel, stainless steel (INOX) and cast iron.

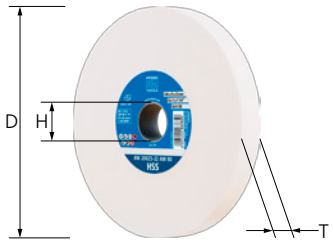
Special features:
- Long service life, high dimensional stability and high abrasive performance.
- Integrated reducer sleeves for mounting on virtually any grinding spindle.

D [Inch]	T [Inch]	H [Inch]	Included bushings [Inch/mm]	Grit size	Max. RPM		Item no.	EDP no.
Regular aluminum oxide								
5	3/4	1-1/4	1", 3/4", 5/8", 1/2", 25.4/19.05/15.875/12.7	36	5,350	1	39009707	61670
				60	5,350	1	39009716	61671
6	5/8	1-1/4	1", 3/4", 5/8", 1/2", 25.4/19.05/15.875/12.7	24	4,500	1	39008418	61672
				60	4,500	1	39008419	61673
	3/4	1-1/4	1", 3/4", 5/8", 1/2", 25.4/19.05/15.875/12.7	24	4,500	1	39008422	61738
				36	4,500	1	39009708	61739
				46	4,500	1	39010114	61740
				60	4,500	1	39008423	61741
				80	4,500	1	39010115	61742
	1	1-1/4	1", 3/4", 5/8", 1/2", 25.4/19.05/15.875/12.7	24	4,500	1	39008426	61743
				36	4,500	1	39010116	61744
				46	4,500	1	39010117	61745
				60	4,500	1	39008427	61746
				80	4,500	1	39010118	61747
7	1	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	46	3,750	1	39010119	61755
				36	3,750	1	39009710	61675
				60	3,750	1	39009718	61676
				80	3,750	1	39010120	61757
8	3/4	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	24	3,350	1	39008435	61677
				60	3,350	1	39008436	61678
	1	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	24	3,350	1	39008440	61763
				36	3,350	1	39009712	61679
				46	3,350	1	39010121	61765
				60	3,350	1	39009719	61680
				80	3,350	1	39010122	61767
	1-1/6	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	24	3,350	1	39008456	61681
				60	3,350	1	39008444	61682
	1-1/4	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	36	3,350	1	39009713	61683
				60	3,350	1	39009720	61684
10	1	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	24	2,700	1	39010123	61768
				36	2,700	1	39010124	61769
				46	2,700	1	39010125	61770
				60	2,700	1	39010126	61771
				80	2,700	1	39010127	61772
	1-1/4	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	36	2,700	1	39009714	61685
				60	2,700	1	39009721	61686
	1-1/2	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	60	2,400	1	39008747	61776

Continued on next page

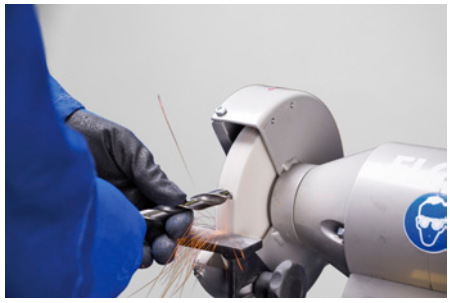
PFERD TOOLS

D [Inch]	T [Inch]	H [Inch]	Included bushings [Inch/mm]	Grit size	Max. RPM		Item no.	EDP no.
12	1-1/2	3	3", 2", 1-1/2", 1-1/4", 76.2/51/38.1/32	36	2,250	1	39009715	61687
				60	2,250	1	39009722	61688
	2	3	3", 2", 1-1/2", 1-1/4", 76.2/51/38.1/32	24	2,250	1	39010128	61778
				36	2,250	1	39010129	61779
				60	2,250	1	39010130	61781
14	2	3	3", 2", 1-1/2", 1-1/4", 76.2/51/38.1/32	24	1,850	1	39010131	61782
				36	1,800	1	39008753	61783
				60	1,800	1	39008754	61784



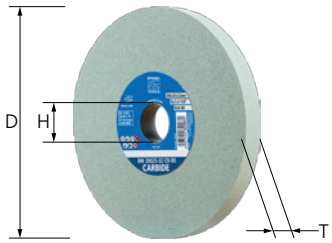
HSS version

These bench grinding wheels are ideal for sharpening HSS pilot drills or for working on other high-alloy steels. They are suitable for working on tool steels, case-hardened steels, hardened and coated steels.



Special features:
- Long service life, high dimensional stability and high abrasive performance.
- Integrated reducer sleeves for mounting on virtually any grinding spindle.

D [Inch]	T [Inch]	H [Inch]	Included bushings [Inch/mm]	Grit size	Max. RPM		Item no.	EDP no.
White aluminum oxide								
5	3/4	1-1/4	1", 3/4", 5/8", 1/2", 25.4/19.05/15.875/12.7	80	5,350	1	39009698	61717
6	5/8	1-1/4	1", 3/4", 5/8", 1/2", 25.4/19.05/15.875/12.7	60	4,500	1	39008420	61718
	3/4	1-1/4	1", 3/4", 5/8", 1/2", 25.4/19.05/15.875/12.7	60	4,500	1	39008424	61719
				80	4,500	1	39009699	61720
	1	1-1/4	1", 3/4", 5/8", 1/2", 25.4/19.05/15.875/12.7	60	4,500	1	39008428	61721
7	1	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	80	3,750	1	39009701	61723
8	3/4	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	60	3,350	1	39008437	61724
	1	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	60	3,350	1	39008442	61725
				80	3,350	1	39009703	61727
	1-1/4	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	80	3,350	1	39009704	61729
10	1-1/4	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	80	2,700	1	39009705	61730
12	1-1/2	3	3", 2", 1-1/2", 1-1/4", 76.2/51/38.1/32	80	2,250	1	39009706	61731



CARBIDE version

These bench grinding wheels are used on hard materials, e.g. for sharpening tungsten carbide tools and hardened steels.

Special features:
- Long service life, high dimensional stability and high abrasive performance.
- Integrated reducer sleeves for mounting on virtually any grinding spindle.

D [Inch]	T [Inch]	H [Inch]	Included bushings [Inch/mm]	Grit size	Max. RPM		Item no.	EDP no.
Silicon carbide								
5	3/4	1-1/4	1", 3/4", 5/8", 1/2", 25.4/19.05/15.875/12.7	80	5,350	1	39009723	61689
6	5/8	1-1/4	1", 3/4", 5/8", 1/2", 25.4/19.05/15.875/12.7	120	4,500	1	39008421	61690
	3/4	1-1/4	1", 3/4", 5/8", 1/2", 25.4/19.05/15.875/12.7	60	4,500	1	39008570	61785
				80	4,500	1	39009724	61786
				120	4,500	1	39008425	61787
	1	1-1/4	1", 3/4", 5/8", 1/2", 25.4/19.05/15.875/12.7	60	4,500	1	39010132	61788
				80	4,500	1	39010133	61789
				120	4,500	1	39008429	61790
7	1	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	80	3,750	1	39009726	61691
				120	3,750	1	39010134	61793
8	3/4	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	80	3,350	1	39008438	61692
				120	3,350	1	39008439	61693
	1	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	60	3,350	1	39010135	61794
				120	3,350	1	39008443	61796
				80	3,350	1	39009727	61694
	1-1/6	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	120	3,350	1	39008458	61695
	1-1/4	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	80	3,350	1	39009728	61696
10	1	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	60	2,400	1	39008767	61797
				80	2,400	1	39008768	61798
				120	2,400	1	39008769	61799
	1-1/4	2	1-1/4", 1", 3/4", 5/8", 1/2", 32/25.4/19.05/15.875/12.7	80	2,700	1	39009729	61697
12	1-1/2	3	3", 2", 1-1/2", 1-1/4", 76.2/51/38.1/32	80	2,250	1	39009730	61698

Bench wheel bushings

PFERD TOOLS bench grinder bushings provide a safe method of reducing the wheel arbor to accommodate various spindle sizes. The bushing should be flush on both sides of the wheel, and should not interfere with the flanges.

Special features:

- Generally suitable for all bench grinders and bench grinding wheels.

Image	Suitable for hole diameter [Inch]	Width [Inch]	Dia. hole included in the set [Inch]		Item no.	EDP no.
①	1-1/4	3/5	1-1/4, 1, 3/4, 5/8, 1/2	1	*39010150*	69053
②	2	1	2, 1-1/4, 1, 3/4, 5/8, 1/2	1	*39010151*	69054
③	3	1	3, 2, 1-1/2, 1-1/4	1	*39010152*	69055

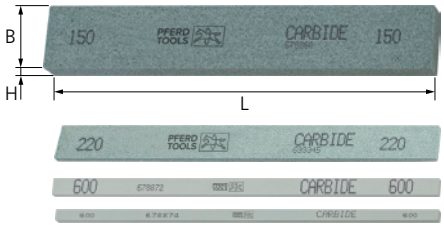
Discontinued product

Special tools for tool and die-making
Quick product selection guide

Material group ▼		Version ▶	UNIVERSAL	CARBIDE
Steel	Steels up to 370 HV (< 38 HRC)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, tempering steels	●	○
	Hardened, heat-treated steels over 370 HV (> 38 HRC)	Tool steels, tempering steels, alloyed steels	○	●
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels	●	
Tungsten carbide	–	–		●
Non-ferrous metals	Soft non-ferrous metals, non-ferrous metals	Aluminum alloys, brass, copper, zinc	●	
	Hard non-ferrous metals	Bronze, titanium, titanium alloys, hard aluminum alloys	●	

● = highly recommended ○ = recommended

Grinding and polishing stones



CARBIDE version

The CARBIDE soft grinding and polishing stones enable high removal rates without clogging on hard materials in tool and die-making.

Special features:
- Long service life, high dimensional stability. high abrasive performance, uniform stock removal and fine surface finish.

B [Inch]	H [Inch]	L [Inch]	Grit size		Item no.	EDP no.
Square						
1/2	1/8	6	320	12	33400040	39089

Arbor for grinding and polishing stones for four different cross sections

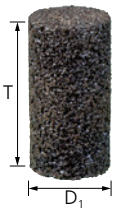
These arbors are designed for clamping grinding and polishing stones for manual applications.

Special features:
- Used for clamping four different cross sections.

Suitable cross sections		Item no.	EDP no.
Manual application			
1/4" x 1/8", 1/2" x 1/16", 1/2" x 1/8"	1	33509020	39105

Type 16

Type 17



Type 18

Type 18R

Cones and plugs, regular aluminum oxide

Cones and plugs are made of regular aluminum oxide in a high-quality resinoid bond. Because of their hardness, these products achieve good stock removal rates and are highly durable.

- High level of edge and dimensional stability.
- Cool grinding reduces thermal load on the workpiece.

Special features:
- High stock removal rate.

D [Inch]	T [Inch]	Grit size	Thread	Opt. RPM	Max. RPM		Item no.	EDP no.
Type 16								
1-1/2	2-1/2	16	3/8-24	24,000	24,100	10	39008687	61816
	3	16	5/8-11	24,000	24,100	10	39008688	61820
1-3/4	3	16	5/8-11	20,600	20,700	10	39008689	61826
2-3/4	3-1/2	16	5/8-11	13,100	13,200	10	39008691	61837
2	3	16	5/8-11	18,100	18,100	10	39008690	61829
3	3	16	5/8-11	12,000	12,500	10	39009857	61838
Type 17								
1-1/2	3	16	3/8-24	24,000	24,100	10	39008694	61854
			5/8-11	24,000	24,100	10	39008695	61855
	2-1/2	16	5/8-11	24,000	24,100	10	39008693	61851
2	3	16	5/8-11	14,500	18,100	10	39008696	61859
Type 18								
1-1/2	2-1/2	16	5/8-11	24,000	24,100	10	39008699	61885
	3	16	3/8-24	24,000	24,100	10	39008700	61888
			5/8-11	24,000	24,100	10	39008701	61889
1	2	16	3/8-24	36,100	36,200	10	39008697	61883
2	3	16	5/8-11	18,100	18,100	10	39008702	61893
Type 18 R								
1-1/2	2-1/2	16	3/8-24	24,000	24,100	10	39008703	61927
			5/8-11	24,000	24,100	10	39008704	61928
	3	16	5/8-11	24,000	24,000	10	39008706	61932
2	3	16	5/8-11	18,100	18,100	10	39008708	61936
3	3	16	5/8-11	12,000	12,500	10	39009858	61937

Medium dressing stone, coarse

The dressing stone is designed for profiling grinding points and Poliflex® mounted points.

Special features:
- Has an anti-slip rubber backing.

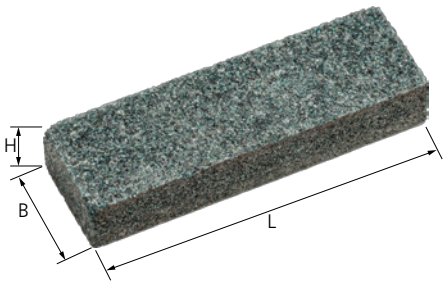
L [Inch]	B [Inch]	H [Inch]		Item no.	EDP no.
4-3/4	2	1-1/4	5	33401001	39010

Medium dressing stone, two-sided

The dressing stone is designed for profiling grinding points and Poliflex® mounted points.

Special features:
- Two different grit sizes for dressing mounted points with different grit sizes and bonds.

L [Inch]	B [Inch]	H [Inch]		Item no.	EDP no.
4-3/4	2	1-1/4	5	33401010	39011

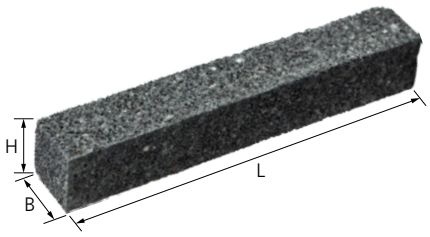


Small dressing stone, fine

Dressing stones are suitable for profiling profiling and dressing of mounted points.

Special features:
- For profiling and dressing smaller mounted points.

L [Inch]	B [Inch]	H [Inch]		Item no.	EDP no.
2-3/4	1/2	7/8	5	33899045	39012



Dressing stone for large and coarse grinding/mounted points

Large dressing stone with coarse granulation (grain 30) for profiling and dressing of larger and coarser mounted points.

Special features:
- Ideal for dressing large and coarse grinding/ mounted points.

L [Inch]	B [Inch]	H [Inch]		Item no.	EDP no.
6	1	1	5	39008684	39015

Whetstone

The ceramic whetstone is ideal suitable for sharpening, a variety of blades, farming equipment, knives and other cutting tools.

Special features:
- The whetstone fits nicely in one's hand due to its oval shape.
- The sharp abrasive SiC ensures very good grinding with a good surface.

L [Inch]	B [Inch]	H [Inch]		Item no.	EDP no.
10	1-3/8	1/2	1	39009187	39020

Grinding wheel dresser

Ideal accessory for PFERD TOOLS bench grinding wheels if the wheel is clogged or its shape has changed.

Special features:
- The dressing roller consists of hardened steel discs with U-shaped teeth.
- Wave washers between the tooth discs make the tooth roller stable and robust.
- Axis with integrated grease fitting to guarantee a long service life even at high peripheral speeds.

Total length [Inch]	Roll width [Inch]	Roll dia. [Inch]	Max. wheel ø [Inch]	Max. wheel thick-ness [Inch]		Item no.	EDP no.
17	1-1/2	2	19-5/8	2-1/2	1	33300001	39110

Replacement roller for grinding wheel dresser

The interchangeable roller for the roller dresser can be used until the teeth are worn.

Roll width [Inch]	Roll dia. [Inch]	Hole dia. [Inch]		Item no.	EDP no.
1-1/2	2-1/6	1/2	1	33300002	39114

Replacement spindle for grinding wheel dresser roller

The lubricated shaft for the roller straightener is a spare part in case the shaft ever wears out.

Roll width [Inch]	Diameter [Inch]		Item no.	EDP no.
1-1/2	2-1/8	1	33300003	39115

Bar Dressers for Grinding Wheels

The SiC grinding wheel dresser is a low-cost alternative for dressing bench grinding wheels. A stainless steel tube protects the SiC rod from breaking, making the tool more robust.

Total length [Inch]	Diameter [Inch]		Item no.	EDP no.
10	7/8	1	33300004	39112

PFERD TOOLS

4

Fine grinding and finishing products

Fine grinding and finishing products
Table of contents

PFERD TOOLS

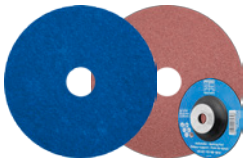
4

Fine grinding and finishing products

- Highlights from the PFERD TOOLS range 188
- General information 189
- Quick product selection guide 191
- Coated abrasives 193

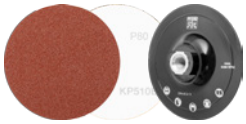
COMBICLICK®

- Fibre discs 198
- Non-woven discs 203
- POLICLEAN® discs 205
- Felt discs 205
- Backing pad 206
- COMBICLICK® set 207



Fibre discs

- Fibre discs 209
- Backing pad 214
- Stand 215

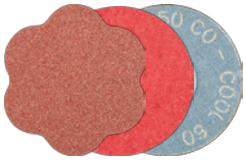


Hook and loop discs

- Hook and loop discs KR 216

PSA discs

- PSA discs 217
- PSA disc holders 218



COMBIDISC®

- Mini-POLIFAN® CD, CDR 220
- Mini-POLIFAN FLEX CD, CDR 223
- Drive arbors 224
- Abrasive discs CD, CDR 225
- POLICLEAN discs CD, CDR 234
- Non-woven discs CD, CDR 234
- Felt discs CD, CDR 237
- Abrasive disc backing pad 238
- COMBIDISC® sets 239

Flexible abrasives

- File belts 241
- Belts and accessories for pneumatic drums 246
- Pneumatic drum 247
- Benchstand and Backstand Belts 247
- Cloth-backed abrasive sheets BG 252
- Paper-backed sheets, general-purpose 253
- Hand pads 255
- Sanding sponges set 256
- Sanding Sponge Sets 256
- Arbor 257
- Shop rolls 257
- Shop rolls and holders 259
- Non-woven shop rolls 260
- Abrasive cord 261
- Hook and loop-backed abrasive discs 261

Abrasive spiral bands

- Abrasive spiral bands 264
- Rubber drum holder 267

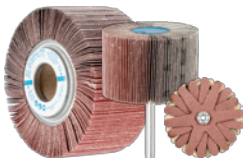
POLIROLL® cartridge rolls

- POLIROLL® cartridge rolls 268
- Drive arbor 269

Fine grinding and finishing products
Table of contents

POLICAP®

- POLICAP® Cylindrical, shape A 271
- Matching POLICAP® abrasive cap holder in cylindrical shape A 271
- POLICAP® set, cylindrical, shape A 272
- POLICAP® Cylindrical with radius end, shape C 272
- Matching POLICAP® abrasive cap holder in cylindrical shape C with radius end 273
- POLICAP® set, cylindrical with radius end, shape C 274
- POLICAP® Cylindrical with pointed cone end, shape G 274
- Matching POLICAP® abrasive cap holder in tapered shape G with radius end 275
- POLICAP® set, cylindrical with pointed cone end, shape G 275
- POLICAP® Tapered with radius end, shape L 276
- Matching POLICAP® abrasive cap holder in conical shape L with radius end 277
- POLICAP® sets 277
- POLICAP® abrasive cones, conical shape L 278



Flap wheels

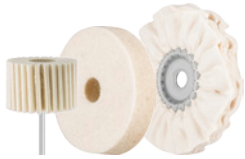
- Mounted flap wheels 281
- Threaded mounted flap wheel 286
- Mounted flap wheel – bore polisher 287
- Unmounted flap wheels and accessories 288
- Arbor 289
- Flap wheels for angle grinders 290
- Flap drums 291
- General information – POLIFLAP® system 291
- POLISTAR-TUBE 293
- Arbor for POLISTAR and POLISTAR-TUBE 294

Non-woven products

- POLINOX® unitized wheels 299
- POLINOX® unitized discs 300
- POLINOX compact mounted points 301
- POLINOX® convolute wheels 305
- Reducing flanges for POLINOX® convolute wheels 306
- POLINOX® mounted flap wheels 306
- POLINOX® cross buffs 309
- POLINOX® unmounted flap wheels 310
- POLINOX® unmounted flap wheels, threaded 312
- POLINOX® grinding discs 313
- POLINOX® finishing drums 314
- Accessories 315
- POLIVLIES® flap discs 316
- Hook and loop disc holders 319
- POLICLEAN® products 320

Poliflex® finishing products

- Rubber bond 325
- Leather bond 326
- TX bond 327



Polishing tools

- Felt points 328
- Mounted felt flap wheels 330
- Felt wheels 330
- Felt flap discs 331
- Cloth rings 331
- Arbor 333
- Cloth ring drum 333

Grinding and polishing pastes

- Polishing paste bars and grinding pastes 334
- Diamond polishing pastes 335
- Cleaner 335

Fine grinding and finishing products
Highlights from the PFERD TOOLS range

COMBICLICK®

The COMBICLICK® system consists of a specially developed backing pad and a sturdy mount on the back of the tool. The backing pad allows COMBICLICK® tools to be used on standard angle grinders designed for fiber discs, non-woven materials, and felt abrasives.

The special geometry of the cooling slots in the backing pad ensures a high airflow, which significantly reduces the thermal load on the abrasive and the workpiece.The quick-clamping system, the robust mounting bracket, the secure locking of the tool, and the integrated cooling system result in a workpiece temperature up to 30% lower than with conventional tools, 25% higher stock removal rate, a 30% longer service life, and better utilization of the abrasive.

Scan the QR code to find out more about the COMBICLICK® product line.

VICTOGRAIN®

VICTOGRAIN® abrasive material is used to make some of the most effective grinding products in the world. PFERD TOOLS' triangular, precision-formed grain achieves ultimate performance. The **VICTO**GRAIN® abrasive grain triangles are identical in shape and size and their cutting edges are applied to the workpiece at the optimum angle, meaning the grain needs very little energy to penetrate the workpiece. As a result, the user experiences superior productivity due to extremely high stock removal, a long service life, and reduced heat build-up in the workpiece.

By combining all these properties together, users benefit from optimal, consistent performance, cool grinding and an extremely long service life with uniform workpiece surface roughness. Scan the QR code to find out more about the **VICTO**GRAIN® products.

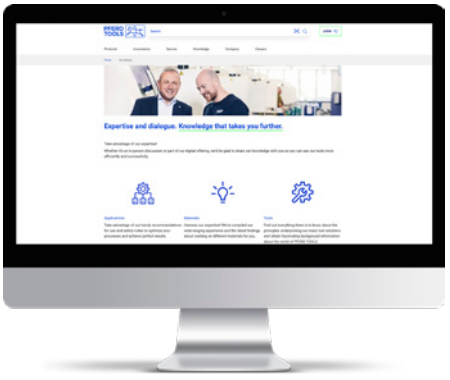
Non-woven products

The use of non-woven abrasives begins where other grinding products reach their limits or no longer achieve the desired results. The elastic properties of the polyamide fibres and the positive effect of the non-woven abrasives result in finishing products which produce outstanding results yet work gently. Non-woven abrasives are water-tight, washable and very durable. They do not load, leave no rust behind on surfaces and are non-conductive.

Non-woven abrasive material is excellent when used for deburring, cleaning or working on the surface of many metals, including aluminum, brass, copper, nickel, stainless steel (INOX) and titanium. It is also suitable for working on other hard-to-grind materials, such as ceramic, glass and plastic.Scan the QR code to find out more about PFERD TOOLS' wide range of non-woven tools.

Find additional in-depth information online

Scan the QR code to find out a wide range of tool and application knowledge relating to PFERD TOOLS' high-quality tools and their huge variety of materials.

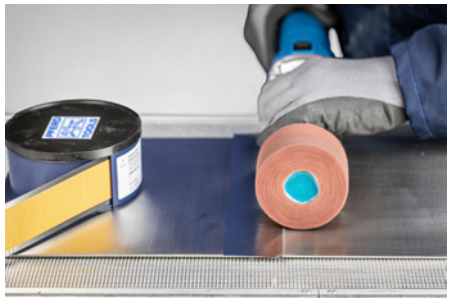


Custom-made products

If you cannot find the solution for your particular application in our extensive catalogue range, we can produce fine grinding and polishing products to meet your requirements in premium PFERD TOOLS quality specifically for your application upon request. Contact your local sales representatives who will be happy to assist you.

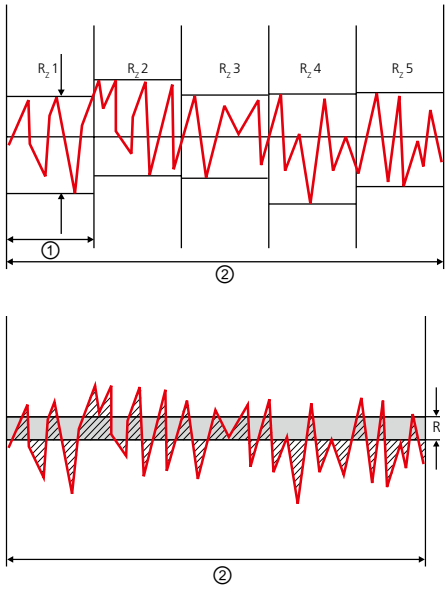
Factors influencing surface roughness:

Factors influencing surface roughness:
- The larger the grit, the rougher the surface finish will be.
- The softer the material to be ground, the coarser the finished surface will be when using the same grit sizes.
- Increasing the peripheral speed slightly improves the surface quality.
- Reducing the speed of the feed rate makes the surface quality slightly finer.



There is a differentiation between the following roughness depths:

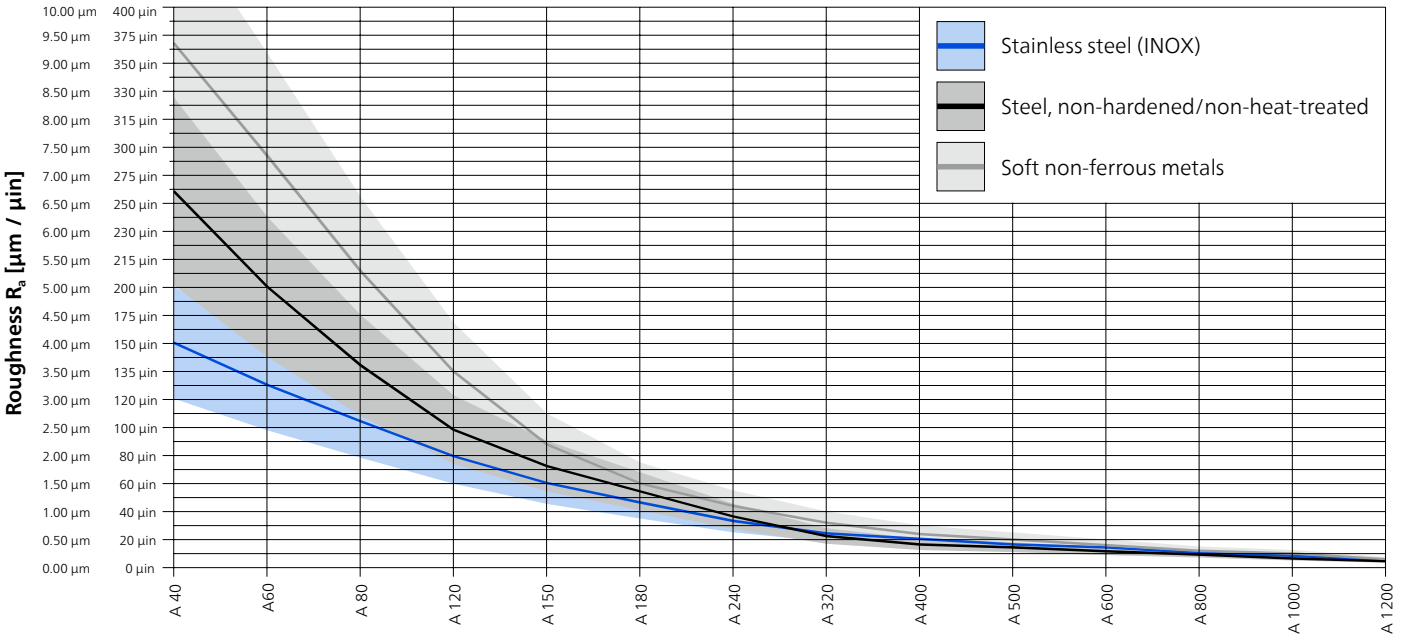
- The individual **roughness depth R_{zi}** is the sum of the height of the largest profile peak and the depth of the largest profile trough within an individual measuring section.
- The **roughness depth R_z** is the largest individual roughness depths (R_{zi}) of consecutive individual measuring sections.
- The **roughness depth R_{max}** is the largest individual roughness depth within the overall measuring section.
- The **average roughness value R_a** is the arithmetic mean value of the sum of all profile values within the roughness profile.



① Individual measuring section
② Overall measuring section

Application	Roughness depth
Coarse stock removal: Grit sizes 24 to 150	R_a = 0.70 to 12 µm (25 to 270 µin)
Fine finishing: Grit sizes 180 to 400	R_a = 0.20 to 0.70 µm (8 to 25 µin)
Very fine finishing: Grit sizes 500 to 1200	R_a = 0.05 to 0.20 µm (2 to 8 µin)
Pharmaceutical grade	R_a = 0.20 to 0.70 µm (8 to 25 µin)
Sanitary food grade/ directional matte finish	R_a = 0.10 to 0.70 µm (4 to 25 µin)
Polishing: Step 1: Step 2: Step 3:	 R_a = 0.10 to 0.20 µm (4 to 8 µin) R_a = 0.04 to 0.10 µm (2 to 4 µin) R_a = < 0.01 µm (< 1 µin)

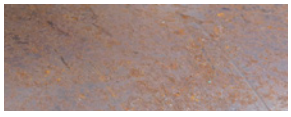
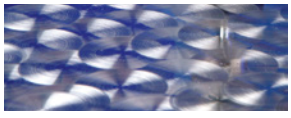
Reference values for roughness depths in the case of different applications



Surface roughness of different materials after machining with products using coated abrasives

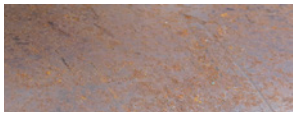
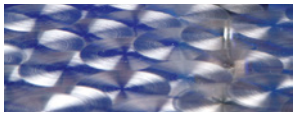
Fine grinding and finishing products
Quick product selection guide

PFERD TOOLS

Work type ▸ / Work steps ▾	Face-down grinding Products with backing pad 		Belt grinding Products for belt sanders
Changing geometrical profiles 	COMBIDISC® ■ Abrasive discs ■ Diamond abrasive discs	COMBICLICK® ■ Fibre discs	Short abrasive belts
	COMBIDISC® ■ Mini fibre discs	Fibre discs	Long abrasive belts
	COMBIDISC® ■ Mini-POLIFAN®	Hook and loop discs	
Step-by-step fine grinding **Reducing roughness depths** 	COMBIDISC® ■ Abrasive discs ■ Non-woven discs	PSA discs	Short abrasive belts
	COMBICLICK® ■ Fibre discs ■ Non-woven discs	Poliflex® ■ Discs	Long abrasive belts
	Fibre discs	POLINOX® ■ Unitized discs	
	Hook and loop abrasive discs	POLINOX® Discs ■ PNL ■ PNZ	
	Self-adhesive discs		
Fine grinding **Very fine grinding** 	COMBIDISC® ■ Abrasive discs ■ Non-woven discs	Poliflex® ■ Discs	Short abrasive belts
	COMBICLICK® ■ Fibre discs	POLINOX® ■ Unitized discs	Long abrasive belts
	Fibre discs	Hook and loop abrasive discs ■ DOT-A	Short surface conditioning belts, non-woven
	PSA discs		
Cleaning 	COMBIDISC® ■ Non-woven discs	POLIVLIES® ■ Hook and loop discs	Short surface conditioning belts, non-woven
	COMBIDISC ■ POLICLEAN® PLUS discs	POLICLEAN® PLUS ■ Discs	
	COMBICLICK® ■ Non-woven discs		
Creating visual effects 	COMBIDISC® ■ Non-woven discs	POLIVLIES® ■ Flap discs	Short surface conditioning belts, non-woven
	COMBICLICK® ■ Non-woven discs	POLINOX® discs ■ PNL ■ PNZ	
	POLIVLIES® ■ Hook and loop discs		
Polishing 	COMBIDISC® ■ Felt discs	Diamond polishing pastes	Short polishing belts, felt
	COMBICLICK® ■ Felt discs	Polishing paste bars	Diamond polishing pastes
	Felt flap discs		Polishing paste bars

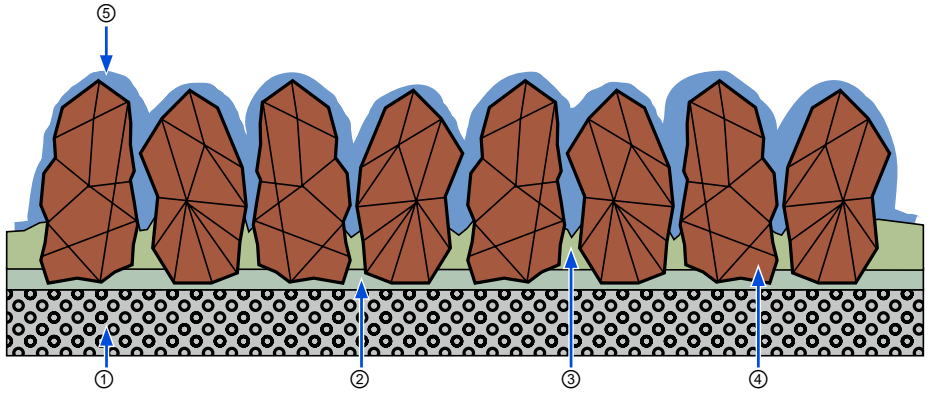
Fine grinding and finishing products
Quick product selection guide

PFERD TOOLS

Work type ▸ / Work steps ▾	Peripheral grinding Mounted/unmounted products 		Manual grinding 	
Changing geometrical profiles 	Abrasive spiral bands	POLICAP® seamless abrasive caps		
	POLIROLL® cartridge rolls			
Step-by-step fine grinding Reducing roughness depths 	Abrasive spiral bands	Unmounted flap wheels	Abrasive sheets ■ Cloth ■ Paper	
	POLIROLL® cartridge rolls	Unmounted flap wheels for angle grinders	Shop rolls ■ Cloth ■ Paper	
	POLICAP® seamless abrasive caps	Flap drums		
	Mounted flap wheels	POLISTAR-TUBE		
Fine grinding Very fine grinding 	POLIROLL® ■ Cartridge rolls	POLINOX® ■ Unitized/convolute wheels	Abrasive sheets ■ Cloth ■ Paper	Sanding sponge
	Poliflex® ■ Fine grinding points	POLINOX® ■ Compact mounted points	Shop rolls ■ Cloth ■ Paper	Abrasive cord
Cleaning 	POLINOX® ■ Mounted flap wheels	POLIVLIES ■ CURVE	Abrasive sheets ■ Cloth ■ Paper	
	POLINOX® ■ Unmounted flap wheels	POLICLEAN® PLUS ■ Wheels	POLINOX® ■ Hand pads	
	POLINOX® ■ Cross buffs	POLICLEAN® PLUS ■ Mounted wheels	Shop rolls ■ Cloth ■ Paper	
	POLINOX® ■ Finishing drums		Non-woven shop rolls	
Creating visual effects 	POLINOX® ■ Mounted flap wheels	POLIFLAP® ■ Grinding wheel	POLINOX® ■ Hand pads	
	POLINOX® ■ Unmounted flap wheels	Flap drums	Non-woven shop rolls	
	POLINOX® ■ Finishing drums		High-strength masking tape	
Polishing 	Felt points	Cloth rings	Diamond polishing pastes	Grinding pastes
	Felt wheels	Buffing drums	Polishing paste bars	
	Mounted felt flap wheels			

Abrasive grain

PFERD TOOLS supplies a wide range of products with coated abrasives for machining a variety of workpiece geometries and materials:
① Backing material
② Base bond
③ Coating bond
④ Abrasive grain
⑤ Active grinding layer



① Backing material

Paper

The main areas of application for coated abrasives with a paper base are in the woodworking industry and in trade, e.g. among carpenters, painters and decorators.

Cloth

Coated abrasives with a cloth base are predominantly used for metalworking.

Vulcanized fibre

When adapted to the corresponding applications, vulcanized fibre in various thicknesses is predominantly used for making fibre grinding discs. Vulcanized fibre is a very sturdy, robust backing material, and also very wear-resistant.

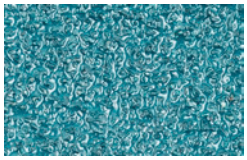
② + ③ bond

When manufacturing coated abrasives, different resin bonds are used to fix the abrasive grain to the backing material. First, the backing material is coated with the base bond ②. After this, the abrasive grain is evenly scattered over the surface and aligned to achieve higher aggressiveness with the help of special procedures. The coating bond ③ ensures that the abrasive grain is fixed in place and protects the grain against the forces and loads resulting from the grinding process.

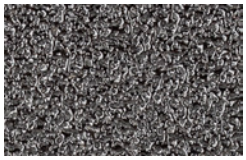
④ Abrasive grain

Choosing the right abrasive grain has a significant influence on surface quality and productivity. The most common materials for abrasive grain are:

Aluminum oxide A
Numerous types of aluminum oxide are used as abrasives. These may be present in molten or sintered form. The hardness and toughness can be influenced by special manufacturing procedures or additives. Standard types of aluminum oxide and a "sharp-edged" grain shape are predominantly used for coated abrasives.

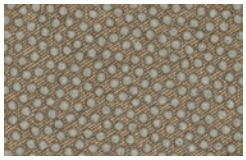


Zirconia alumina Z
Zirconia alumina is a fused mixture of aluminum oxide and zirconium oxide. In comparison to aluminum oxides, zirconia alumina exhibits lower hardness but greater toughness. The high proportion of zirconium oxide results in an extremely powerful self-sharpening effect and contributes to outstanding stock removal rates with cool grinding and a long service life.

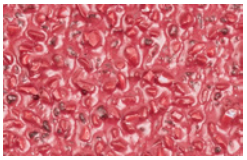


Silicon carbide SiC
Silicon carbide is synthetically manufactured abrasive grain which has very sharp edges, with low toughness and very high hardness. It is recommended for work on titanium, aluminum, bronze, stone and plastics. Ideally suited for use in the aeronautical industry, especially where SiC is the only approved abrasive, e.g. for use on engine components.

Diamond grain D
Diamond grain is the hardest abrasive. It consists of pure carbon in a crystalline structure. For grinding products, the diamonds used are generally synthetic, produced at very high temperatures and under high pressure. The properties of diamond grain can be adapted for use in grinding products through various synthesis conditions.

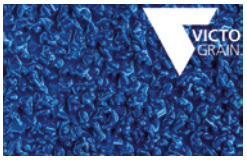


DOT-A grain
DOT-A's special, multi-layer grain arrangement ensures consistent material removal at low cutting speeds. The new spherical grain technology enables a high-gloss finish with minimal heat generation.



Ceramic CO
For sintered aluminum oxides, a differentiation is made between sintered bauxite aluminum oxides and sol-gel aluminum oxides. Sol-gel aluminum oxides are predominantly used for coated abrasives in the form of abrasive ceramic grain. This state-of-the-art abrasive is used for numerous applications due to its high toughness and good self-sharpening qualities.

Compact grain CK
In the case of compact grain, individual grains are built up as granulate with a bond system. Each individual grain of granulate is one solid unit, in which numerous abrasive grains made from aluminum oxide or silicon carbide (SiC) are joined together. Used abrasive grains are torn out of this compound structure by the forces resulting from the grinding, and expose sharp abrasive points in doing so. This guarantees a long service life with a constant surface quality.



VICTOGRAIN®
By combining all these properties together, users benefit from optimal, consistent performance, cool grinding and an extremely long service life with uniform workpiece surface roughness.

Grit sizes

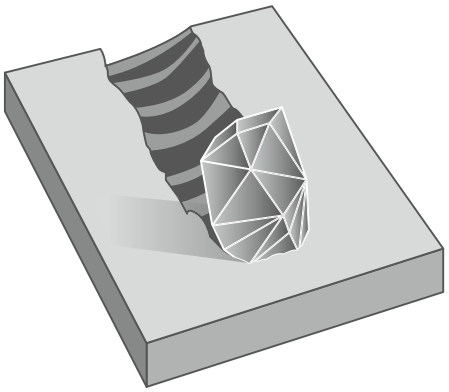
The various grit sizes for coated abrasives are specified in ISO 6344 and have been adopted for FEPA standards:

Coarse
P 12 – 16 – 20 – 24 – 36 – 40 – 50 – 60 – 80

Medium
P 100 – 120 – 150 – 180 – 220 – 240 – 281

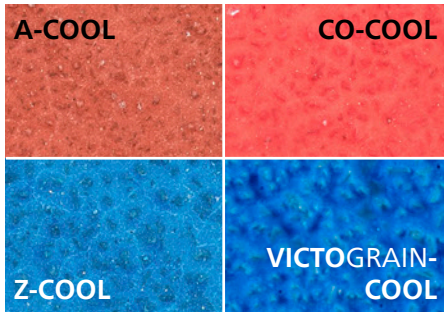
Fine
P 320 – 360 – 400 – 500 – 600

Superfine
P 800 – 1,000 – 1,200 – 1,500



⑤ Active grinding layer

The use of an active grinding layer considerably increases the stock removal rate and reduces the workpiece temperature. This is especially advantageous for materials with poor heat-conducting properties, such as stainless steel (INOX). PFERD TOOLS products with an active grinding layer feature the additional "COOL" label in their item description.



System

Very easy and comfortable to use.

Clamping

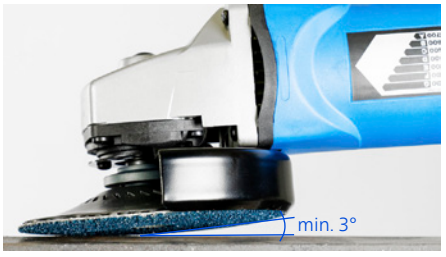
Extremely quick and easy disc changes reduce process costs.

Cooling effect

Very good cooling of the disc and workpiece.

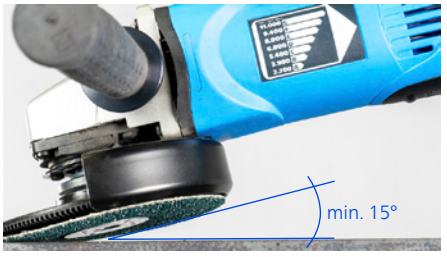
Flexible grinding

Soft and flexible grinding performance during face-down grinding with fibre disc dia. 5 Inch.



COMBICLICK® can be used at extremely low grinding angles

With COMBICLICK®, scratches caused by protruding clamping parts are prevented and very high utilization of the available abrasive is attained.



The contact angle for fibre discs is much steeper.

Quick product selection guide

Material group ▼			Abrasive ▶ Aluminum oxide A	Zirconia alumina Z	Ceramic oxide grain CO	VICTOGRAIN®	Silicon carbide SiC	Aluminum oxide A-COOL	Ceramic oxide grain CO-COOL	Ceramic oxide grain CO-ALU	VICTOGRAIN®-COOL
Steel, cast steel	Non-hardened, non-heat-treated steels	Construction steels, carbon steels, tool steels, non-alloyed steels, cast steel	●	○	●	●					○
	Hardened, heat-treated steels	Tool steels, tempering steels, alloyed steels, cast steel	○	●	●	●					○
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels		○		○		●	●		●
Non-ferrous metals	Soft non-ferrous metals, non-ferrous metals	Soft aluminum alloys	○					●	○	○	
		Brass, copper, zinc	●	○	○					○	
	Hard non-ferrous metals	Hard aluminum alloys	●	○	○		○			○	
		Bronze, titanium		○	○	○	●		●		●
	High-temperature-resistant materials	Nickel-based and cobalt-based alloys		○	○	○			●	○	●
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite, with nodular graphite/nodular cast iron, white annealed cast iron, black annealed cast iron	●	○	●						
Plastics, other materials		Fibre-reinforced plastics, thermoplastics, wood, chipboard, paint	●				●				

● = highly recommended ○ = recommended

Safety notes

- The maximum permitted peripheral speed is 15,800 SFPM.
- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.

Wear eye protection!

Wear hearing protection!

Wear gloves!

Wear a dust mask!

Use backing pad!

Follow the safety instructions!

Not permitted for wet grinding!

Aluminum oxide A

For universal grinding work from coarse to fine grinding in industry and professional trades.

Special features:
- Innovative quick-mounting system guarantees convenient handling and cool grinding
- High productivity due to long service life and very high stock removal rate. Consistent surface finish resulting from high-quality abrasives.
- Quick disc changes with the innovative COMBICLICK® quick-mounting system. Please order backing pad separately.

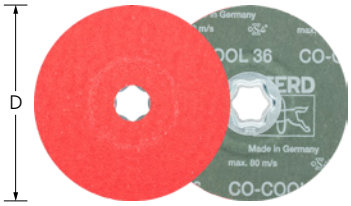
D [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
4-1/2	A	24	13,300	25	64190002	40091
		36	13,300	25	64190003	40092
		50	13,300	25	64190005	40093
		60	13,300	25	64190006	40094
		80	13,300	25	64190008	40095
		120	13,300	25	64190012	40097
5	A	24	12,200	25	64190102	40099
		36	12,200	25	64190103	40100
		50	12,200	25	64190105	40101
		60	12,200	25	64190106	40102
		80	12,200	25	64190108	40103
		120	12,200	25	64190112	40105

Zirconia alumina Z

For universal coarse grinding with high stock removal and long service life.

Special features:
- Innovative quick-mounting system guarantees convenient handling and cool grinding
- High productivity due to long service life and very high stock removal rate. Consistent surface finish resulting from high-quality abrasives.
- Quick disc changes with the innovative COMBICLICK® quick-mounting system. Please order backing pad separately.

D [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
4-1/2	Z	36	13,300	25	64290003	40131
		50	13,300	25	64290005	40132
		60	13,300	25	64290006	40133
		80	13,300	25	64290008	40134
		120	13,300	25	64290012	40136
5	Z	24	12,200	25	64290102	40137
		36	12,200	25	64290103	40138
		50	12,200	25	64290105	40139
		60	12,200	25	64290106	40140
		80	12,200	25	64290108	40141
		120	12,200	25	64290112	40143

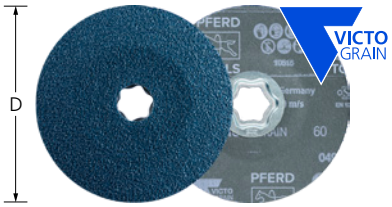


Ceramic oxide grain CO

For aggressive grinding with maximum stock removal; very long service life. Consistently high performance due to self-sharpening ceramic oxide grain, which is specifically designed for work on hard materials and layers.

Special features:
- Innovative quick-mounting system guarantees convenient handling and cool grinding
- High productivity due to long service life and very high stock removal rate. Consistent surface finish resulting from high-quality abrasives.
- Quick disc changes with the innovative COMBICLICK® quick-mounting system. Please order backing pad separately.

D [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
4-1/2	CO	24	13,300	25	64192002	40697
		36	13,300	25	64192003	40698
		50	13,300	25	64192005	40699
		60	13,300	25	64192006	40700
		80	13,300	25	64192008	40701
5	CO	24	12,200	25	64192102	40704
		36	12,200	25	64192103	40705
		50	12,200	25	64192105	40706
		60	12,200	25	64192106	40707
		80	12,200	25	64192108	40708



VICTOGRAIN®

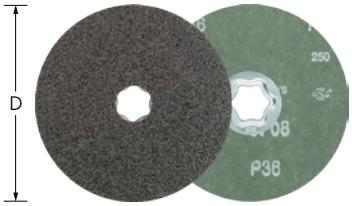
For extremely aggressive grinding with an extremely high service life and an outstanding stock removal rate on steel and hard materials. Outstanding, constant high performance due to the **VICTO**GRAIN® abrasive grain.

Special features:
- Innovative quick-mounting system guarantees convenient handling and cool grinding
- High productivity due to long service life and very high stock removal rate. Consistent surface finish resulting from high-quality abrasives.
- Quick disc changes with the innovative COMBICLICK® quick-mounting system. Please order backing pad separately.

D [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
4-1/2	VICTOGRAIN	36	13,300	25	64111636	40371
		60	13,300	25	64111660	40374
		80	13,300	25	64111680	40377
5	VICTOGRAIN	36	12,200	25	64112636	40372
		60	12,200	25	64112660	40375
		80	12,200	25	64112680	40378
7	VICTOGRAIN	36	8,500	25	64118136	40373

Continued on next page

D [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
7	VICTOGRAIN	60	8,500	25	64118160	40376
		80	8,500	25	64118180	40379

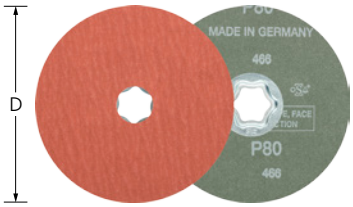


Silicon carbide SiC

For universal grinding work on components made from aluminum, copper, bronze, titanium and fibre-reinforced plastics. Particularly recommended for use on titanium alloys. Ideally suited to use in the aeronautical industry, especially where SiC is the only approved abrasive, e.g. for use on engine components.

Special features:
- Innovative quick-mounting system guarantees convenient handling and cool grinding
- High productivity due to long service life and very high stock removal rate. Consistent surface finish resulting from high-quality abrasives.
- Quick disc changes with the innovative COMBICLICK® quick-mounting system. Please order backing pad separately.

D [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
4-1/2	SiC	36	13,300	25	64294003	40021
		60	13,300	25	64294006	40022
		120	13,300	25	64294012	40024
5	SiC	36	12,200	25	64294103	40028
		60	12,200	25	64294106	40029
		120	12,200	25	64294112	40031

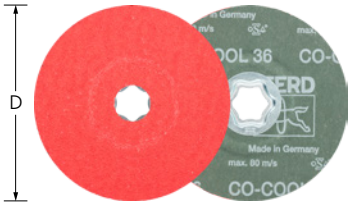


Aluminum oxide A-COOL

For universal grinding work from fine to very fine grinding on materials that do not conduct heat well, e.g. stainless steel (INOX) and aluminum. Active grinding additives in the coating substantially improve the stock removal rate, prevent loading, and result in cooler grinding.

Special features:
- Innovative quick-mounting system guarantees convenient handling and cool grinding
- High productivity due to long service life and very high stock removal rate. Consistent surface finish resulting from high-quality abrasives.
- Quick disc changes with the innovative COMBICLICK® quick-mounting system. Please order backing pad separately.

D [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
4-1/2	A-COOL	60	13,300	25	64191006	40302
		80	13,300	25	64191008	40303
		120	13,300	25	64191012	40305
		150	13,300	25	64191015	40306
		220	13,300	25	64191022	40308
5	A-COOL	50	12,200	25	64191105	40310
		60	12,200	25	64191106	40311
		80	12,200	25	64191108	40312
		120	12,200	25	64191112	40314
		150	12,200	25	64191115	40315
		180	12,200	25	64191118	40316
		220	12,200	25	64191122	40317



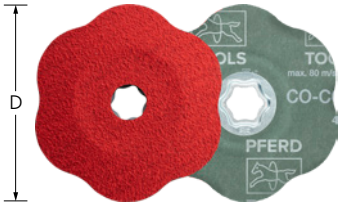
Ceramic oxide grain CO-COOL

Consistently high performance and aggressive grinding due to self-sharpening ceramic oxide grain. Active grinding additives improve the stock removal rate, prevent loading, and result in cooler grinding on hard materials which do not conduct heat well.

Special features:

- Innovative quick-mounting system guarantees convenient handling and cool grinding
- High productivity due to long service life and very high stock removal rate. Consistent surface finish resulting from high-quality abrasives.
- Quick disc changes with the innovative COMBICLICK® quick-mounting system. Please order backing pad separately.

D [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
4-1/2	CO-COOL	24	13,300	25	64193002	40725
		36	13,300	25	64193003	40726
		50	13,300	25	64193005	40727
		60	13,300	25	64193006	40728
		80	13,300	25	64193008	40729
		120	13,300	25	64193012	40731
5	CO-COOL	24	12,200	25	64193102	40732
		36	12,200	25	64193103	40733
		50	12,200	25	64193105	40734
		60	12,200	25	64193106	40735
		80	12,200	25	64193108	40736
		120	12,200	25	64193112	40738
7	CO-COOL	24	8,500	25	64193302	40746
		36	8,500	25	64193303	40747
		50	8,500	25	64193305	40748
		60	8,500	25	64193306	40749

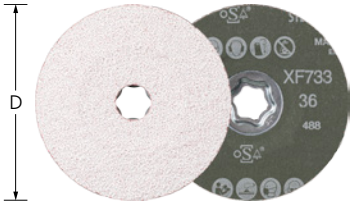


Ceramic oxide grain CO-COOL-CONTOUR

Very flexible and adaptable outer contour that does not cut into the workpiece. Consistently high performance and aggressive grinding due to self-sharpening ceramic oxide grain. Active grinding additives improve the stock removal rate, prevent loading and result in cooler grinding.

Special features:
- Innovative quick-mounting system guarantees convenient handling and cool grinding
- High productivity due to long service life and very high stock removal rate. Consistent surface finish resulting from high-quality abrasives.
- Use the CC-GT backing pad with M14 or 5/8" thread to maintain flexibility at the edge of the fibre discs.

D [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
5	CO-COOL	60 CONTOUR	12,200	25	64112560	40800
		80 CONTOUR	12,200	25	64112580	40801
		120 CONTOUR	12,200	25	64112512	40802

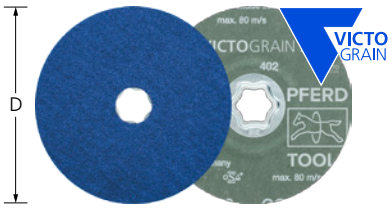


Ceramic oxide grain CO-ALU

For aggressive grinding with maximum stock removal on non-ferrous metals. Consistently high performance due to self-sharpening ceramic oxide grain. Adhesion-reducing additives in the coating prevent loading.

Special features:
- Innovative quick-mounting system guarantees convenient handling and cool grinding
- High productivity due to long service life and very high stock removal rate. Consistent surface finish resulting from high-quality abrasives.
- Quick disc changes with the innovative COMBICLICK® quick-mounting system. Please order backing pad separately.

D [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
4-1/2	CO-ALU	36	13,300	25	64194003	40756
		60	13,300	25	64194006	40757
		80	13,300	25	64194008	40758
5	CO-ALU	36	12,200	25	64194103	40759
		60	12,200	25	64194106	40760
		80	12,200	25	64194108	40761



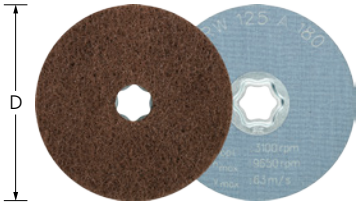
VICTOGRAIN®-COOL

For maximum removal rates with an extremely long service life on steel and materials which are hard or have poor heat-conducting properties. Active grinding additives in the coating substantially improve the stock removal rate, prevent loading and result in cooler grinding.

Special features:
- Innovative quick-mounting system guarantees convenient handling and cool grinding
- High productivity due to long service life and very high stock removal rate. Consistent surface finish resulting from high-quality abrasives.
- Quick disc changes with the innovative COMBICLICK® quick-mounting system. Please order backing pad separately.

D [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
4-1/2	VICTOGRAIN®-COOL	36	13,300	25	64111536	40380
		60	13,300	25	64111560	40383
		80	13,300	25	64111580	40386
5	VICTOGRAIN®-COOL	36	12,200	25	64112536	40381
		60	12,200	25	64112506	40384
		80	12,200	25	64112508	40387
7	VICTOGRAIN®-COOL	36	8,500	25	64118036	40382
		60	8,500	25	64118060	40385
		80	8,500	25	64118080	40388

Non-woven discs



Finishing, soft type

Recommended for very fine grinding on small and medium-sized surfaces and contours, and for cleaning metal and painted surfaces. Achieve matte and satin-finished surfaces. Highly open structure.

Special features:
- Recommended for polishing with polishing paste bars, grinding pastes or diamond polishing pastes in face-down grinding on medium-sized and large surfaces.
- The open structure and high flexibility of the non-woven material prevents loading.
- Innovative quick-mounting system guarantees convenient handling and cool grinding. Please order COMBICLICK® backing pad separately.

D [Inch]	Abrasive	Grit size	Version	Opt. RPM	Max. RPM		Item no.	EDP no.
4-1/2	A	100	medium	3,300	10,500	10	42001052	48131
		180	fine	3,300	10,500	10	42001051	48132
		280	very fine	3,300	10,500	10	42001050	48133
5	A	100	medium	3,100	9,650	10	42001062	48135
		180	fine	3,100	9,650	10	42001061	48136
		280	very fine	3,100	9,650	10	42001060	48137

Surface conditioning, hard type

Designed for universal work on small and medium-sized metal surfaces, e.g. removing rough grinding traces, removing oxidation, and light deburring work. Achieve matte and satin-finished surfaces.

Special features:
- Recommended for polishing with polishing paste bars, grinding pastes or diamond polishing pastes in face-down grinding on medium-sized and large surfaces.
- Little wear due to high tear strength.
- Innovative quick-mounting system guarantees convenient handling and cool grinding. Please order COMBICLICK® backing pad separately.

D [Inch]	Abrasive	Grit size	Version	Opt. RPM	Max. RPM		Item no.	EDP no.
4-1/2	A	100 G	coarse, yellow-brown	3,300	10,500	10	42000052	48100
		180 M	medium, red-brown	3,300	10,500	10	42000051	48101
		240 F	fine, blue	3,300	10,500	10	42000050	48103
5	A	100 G	coarse, yellow-brown	3,100	9,650	10	42000062	48110
		180 M	medium, red-brown	3,100	9,650	10	42000061	48111
		240 F	fine, blue	3,100	9,650	10	42000060	48113

Unitized discs

For achieving a very fine, uniform surface finish which, depending on requirements, is a sufficient preparation for high-gloss polishing. Recommended for work on larger surfaces on components made of stainless steel (INOX).

Special features:
- Recommended for polishing with polishing paste bars, grinding pastes or diamond polishing pastes in face-down grinding on medium-sized and large surfaces.
- High edge strength due to extreme durability.
- Innovative quick-mounting system guarantees convenient handling and cool grinding. Please order COMBICLICK® backing pad separately.

D [Inch]	Specification	Version	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4-1/2	2SF	W (soft)	SiC	fine	5,000	8,350	5	42002046	48150
	2AM	W (soft)	A	coarse	5,000	8,350	5	42779162	48149
	3SF	MW (medium-soft)	SiC	fine	5,000	8,350	5	42002086	48154
	3AF	MW (medium-soft)	A	fine	5,000	8,350	5	42779163	48152
	6SF	MH (medium-hard)	SiC	fine	5,000	8,350	5	42002146	48158
	6AF	MH (medium-hard)	A	fine	5,000	8,350	5	42779164	48153
	6AM	MH (medium-hard)	A	coarse	5,000	8,350	5	47700202	48176
	8AM	H (hard)	A	fine	5,000	8,350	5	42002182	48162
5	2SF	W (soft)	SiC	fine	4,500	7,650	5	42002056	48166
	2AM	W (soft)	A	coarse	4,500	7,650	5	42779165	48165
	3SF	MW (medium-soft)	SiC	fine	4,500	7,650	5	42002096	48170
	3AF	MW (medium-soft)	A	fine	4,500	7,650	5	42779166	48168

Continued on next page

New item

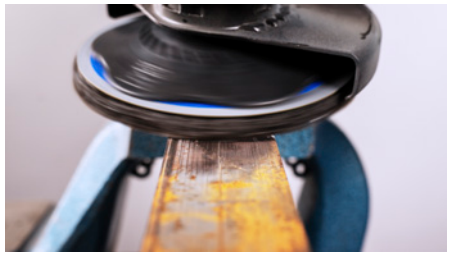
COMBICLICK®
Non-woven discs

D [Inch]	Specification	Version	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
5	6SF	MH (medium-hard)	SiC	fine	4,500	7,650	5	42002156	48174
	6AF	MH (medium-hard)	A	fine	4,500	7,650	5	42779167	48169
	6AM	MH (medium-hard)	A	coarse	4,500	7,650	5	47700203	48180
	8AM	H (hard)	A	fine	4,500	7,650	5	42002192	48178

POLICLEAN® discs

POLICLEAN® PLUS

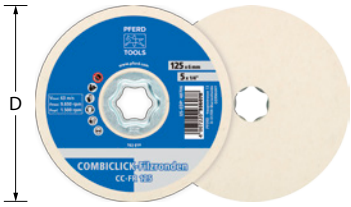
POLICLEAN® is a coarsely structured, abrasive cleaning nonwoven made from a special combination of synthetic fibers, resin, and abrasive grain. Suitable for coarse cleaning tasks such as removing paint, scale, heat discoloration, rust, and adhesive residues during peripheral grinding on very fine surfaces.



Special features:
- High flexibility and open structure mean optimal adaptation to contours and no loading of the product itself.
- The innovative quick-mounting system ensures convenient handling and cool grinding. Please order compatible arbor separately.
- High edge strength due to extreme durability.

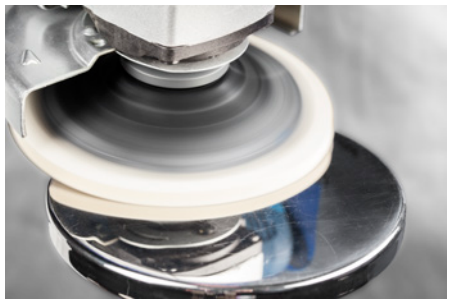
D [Inch]	Abrasive	Version		Item no.	EDP no.
4-1/2	A	PCLD PLUS	5	44692275	48125
5	A	PCLD PLUS	5	44692276	48126

Felt discs



Felt discs

Designed for polishing with polishing paste bars, grinding pastes or diamond polishing pastes in face-down grinding on medium-sized and large surfaces.



Special features:
- Recommended for polishing with polishing paste bars, grinding pastes or diamond polishing pastes in face-down grinding on medium-sized and large surfaces.
- High productivity due to very long service life.
- Innovative quick-mounting system guarantees convenient handling and cool grinding. Please order COMBICLICK® backing pad separately.

D [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
4-1/2	1,650	10,500	5	42003015	48705
5	1,500	9,650	5	42003025	48706

New item

CC-GT (medium)

With this backing pad, COMBICLICK® products can be used on commercially available angle grinders. Various hardness levels for different applications and results.

Special features:
- Innovative quick-mounting system guarantees convenient handling with fast disc changes.
- The geometry of the cooling slots significantly reduces the thermal load. High productivity due to minimized disc change times.
- The hardness CC-GT (medium) is indicated by the black color.

Suitable for tool diameter [Inch]	Thread	Hardness	Suitable for machine types	Max. RPM		Item no.	EDP no.
4 1/2 and 5	5/8-11	medium	Angle grinders 4-1/2" / 5", spindle 5/8-11"	13,300	1	44890160	69470
5	5/8-11	medium	Angle grinders 5", spindle 5/8-11"	12,200	1	44890161	69472
7	5/8-11	medium	Angle grinders 7", spindle 5/8-11"	8,500	1	44890180	69474

CC-S-GT (soft)

This backing pad allows COMBICLICK® products to be used on commercially available angle grinders.

Special features:
- Innovative quick-mounting system guarantees convenient handling with fast disc changes.
- The geometry of the cooling slots significantly reduces the thermal load. High productivity due to minimized disc change times.
- The hardness CC-S-GT (soft) is indicated by the grey colour.

Suitable for tool diameter [Inch]	Thread	Hardness	Suitable for machine types	Max. RPM		Item no.	EDP no.
4 1/2 and 5	5/8-11	soft	Angle grinders 4-1/2" / 5", spindle 5/8-11"	13,300	1	44890163	69469

CC-H-GT (hard)

This backing pad allows COMBICLICK® products to be used on commercially available angle grinders.

Special features:
- Innovative quick-mounting system guarantees convenient handling with fast disc changes.
- The geometry of the cooling slots significantly reduces the thermal load. High productivity due to minimized disc change times.
- The hardness CC-H-GT (hard) is indicated by the blue colour.

Suitable for tool diameter [Inch]	Thread	Hardness	Suitable for machine types	Max. RPM		Item no.	EDP no.
4 1/2 and 5	5/8-11	hard	Angle grinders 4-1/2" / 5", spindle 5/8-11"	13,300	1	64199012	69478
5	5/8-11	hard	Angle grinders 5", spindle 5/8-11"	12,200	1	44890162	69473

COMBICLICK® sets

Set for work on surfaces, from coarse to mirror-polished.

Contents:
3 pcs. each of COMBICLICK® fibre discs: CO-COOL 36 grit, CO-COOL 120 grit, A-COOL 220 grit. 1 pc. each of COMBICLICK® non-woven disc: Surface conditioning, hard type, 240 F fine, Surface conditioning, hard type, 180 M medium, Surface conditioning, hard type, 100 C coarse, Finishing, soft type, 280 very fine, Finishing, soft type, 180 fine, Finishing, soft type, 100 medium, Unitized disc SiC W soft. 1 pc. each of: Universal polishing paste, COMBICLICK® felt disc, COMBICLICK® backing pad - CC-GT 5/8-11.

Special features:
- Innovative quick-mounting system guarantees convenient handling with fast disc changes.
- Ideal selection for completing a variety of tasks and getting to know the system.
- Curated selection of the most common versions.

Diameter [Inch]	Thread		Item no.	EDP no.
4-1/2	5/8-11	1	49350073	48192
5	5/8-11	1	49350074	48194

Fibre discs
General information

PFERD TOOLS

Quick product selection guide

Material group ▼			Abrasive ▶ Aluminum oxide A	Zirconia Alumina Z	Ceramic oxide grain CO	VICTOGRAIN®	Aluminum oxide A-COOL	Zirconia Alumina Z-COOL	Ceramic oxide grain CO-COOL	Ceramic oxide grain CO-ALU	VICTOGRAIN®-COOL
Steel, cast steel	Non-hardened, non-heat-treated steels	Construction steels, carbon steels, tool steels, non-alloyed steels, cast steel	●	○	●	●					○
	Hardened, heat-treated steels	Tool steels, tempering steels, alloyed steels, cast steel	○	●	●	●					○
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels		○		○	●	●	●		●
Non-ferrous metals	Soft non-ferrous metals, non-ferrous metals	Soft aluminum alloys	○				●	○	○	○	
		Brass, copper, zinc	●	○	○					○	
	Hard non-ferrous metals	Hard aluminum alloys	●	○	○					○	
		Bronze, titanium		○	○	○		●	●		●
	High-temperature-resistant materials	Nickel-based and cobalt-based alloys		○	○	○		●	●	○	●
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite, with nodular graphite/ nodular cast iron, white annealed cast iron, black annealed cast iron	●	○	●						
Plastics, other materials		Fibre-reinforced plastics, thermoplastics, wood, chipboard, paint	●								

● = highly recommended ○ = recommended

Safety notes

- The maximum permitted peripheral speed is 15,800 SFPM.
- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.

Wear eye protection!

Wear hearing protection!

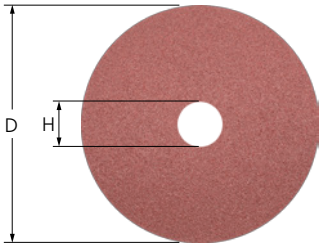
Wear gloves!

Wear a dust mask!

Use backing pad!

Follow the safety instructions!

Not permitted for wet grinding!



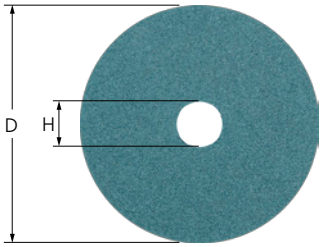
Aluminum oxide A

For universal grinding work from coarse to fine grinding in industry and professional trades.

Special features:

- High productivity due to long service life and very high stock removal rate.
- Consistent surface finish due to high-quality abrasives. Highly flexible, enabling optimal adjustment to the contour.
- Optimal adjustment to the contour in conjunction with the matching backing pad. Please order backing pad separately.

D [Inch]	H [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
unslotted							
4-1/2	7/8	A	16	13,300	25	69401036	62451
			24	13,300	25	69401017	62452
			36	13,300	25	69401035	62453
			50	13,300	25	69401066	62454
			60	13,300	25	69401011	62455
			80	13,300	25	69401034	62456
			100	13,300	25	69401028	62457
			120	13,300	25	69401084	62458
5	7/8	A	16	12,200	25	69401111	62501
			24	12,200	25	69401022	62502
			36	12,200	25	69401018	62503
			50	12,200	25	69401064	62504
			60	12,200	25	69401020	62505
			80	12,200	25	69401010	62506
			100	12,200	25	69401021	62507
			120	12,200	25	69401025	62508
7	7/8	A	16	8,500	25	69401029	62701
			24	8,500	25	69401004	62702
			36	8,500	25	69401005	62703
			50	8,500	25	69401039	62704
			60	8,500	25	69401001	62705
			80	8,500	25	69401006	62706

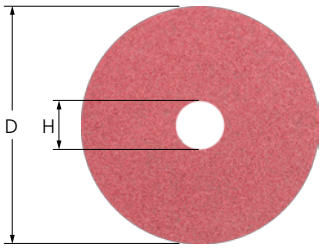


Zirconia alumina Z

For universal coarse grinding with high stock removal and long service life.

Special features:
- High productivity due to long service life and very high stock removal rate.
- Consistent surface finish due to high-quality abrasives. Highly flexible, enabling optimal adjustment to the contour.
- Optimal adjustment to the contour in conjunction with the matching backing pad. Please order backing pad separately.

D [Inch]	H [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
unslotted							
4-1/2	7/8	Z	24	13,300	25	69401138	62462
			36	13,300	25	69401143	62463
			50	13,300	25	69401130	62464
			60	13,300	25	69401146	62465
			80	13,300	25	69401131	62466
5	7/8	Z	24	12,200	25	69401075	62522
			36	12,200	25	69401145	62523
			50	12,200	25	69401079	62524
			60	12,200	25	69401080	62525
			80	12,200	25	69401081	62526
7	7/8	Z	24	8,500	25	69401147	62712
			36	8,500	25	69401048	62713
			50	8,500	25	69401148	62714
			60	8,500	25	69401073	62715
			80	8,500	25	69401149	62716

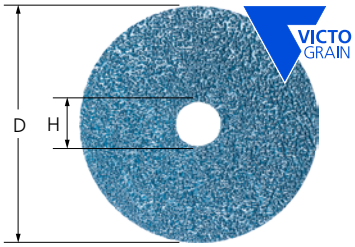


Ceramic oxide grain CO

For aggressive grinding with maximum stock removal; very long service life. Consistently high performance due to self-sharpening ceramic oxide grain, which is specifically designed for work on hard materials and layers.

Special features:
- High productivity due to long service life and very high stock removal rate.
- Consistent surface finish due to high-quality abrasives. Highly flexible, enabling optimal adjustment to the contour.
- Optimal adjustment to the contour in conjunction with the matching backing pad. Please order backing pad separately.

D [Inch]	H [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
unslotted							
4-1/2	7/8	CO	24	13,300	25	69401253	62410
			36	13,300	25	69401254	62411
			60	13,300	25	69401256	62413
			80	13,300	25	69401257	62414
5	7/8	CO	24	12,200	25	69401275	62510
			36	12,200	25	69401276	62511
7	7/8	CO	24	8,500	25	69401292	62743
			36	8,500	25	69401293	62744
			50	8,500	25	69401294	62745

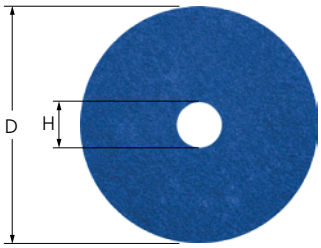


VICTOGRAIN®

For extremely aggressive grinding with an extremely high service life and an outstanding stock removal rate on steel and hard materials. Outstanding, constant high performance due to the **VICTO**GRAIN® abrasive grain.

Special features:
- High productivity due to long service life and very high stock removal rate.
- Consistent surface finish due to high-quality abrasives. Highly flexible, enabling optimal adjustment to the contour.
- Optimal adjustment to the contour in conjunction with the matching backing pad. Please order backing pad separately.

D [Inch]	H [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
unslotted							
4-1/2	7/8	VICTOGRAIN	36	13,300	25	*64279015*	40336
			60	13,300	25	69401661	40355
			80	13,300	25	69401662	40358
5	7/8	VICTOGRAIN	36	12,200	25	64279016	40337
			60	12,200	25	69401663	40356
			80	12,200	25	69401664	40359
7	7/8	VICTOGRAIN	36	8,500	25	64279017	40338
			60	8,500	25	69401665	40357
			80	8,500	25	69401666	40360



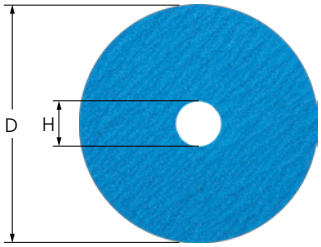
VICTOGRAIN®-COOL

For maximum removal rates with an extremely long service life on steel and materials which are hard or have poor heat-conducting properties. Active grinding additives in the coating substantially improve the stock removal rate, prevent loading and result in cooler grinding.

Special features:
- High productivity due to long service life and very high stock removal rate.
- Consistent surface finish due to high-quality abrasives. Highly flexible, enabling optimal adjustment to the contour.
- Optimal adjustment to the contour in conjunction with the matching backing pad. Please order backing pad separately.

D [Inch]	H [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
unslotted							
4-1/2	7/8	VICTOGRAIN®-COOL	36	10,500	25	69401649	40340
			60	10,500	25	69401667	40343
			80	10,500	25	69401668	40346
5	7/8	VICTOGRAIN®-COOL	36	9,650	25	69401650	40341
			60	9,650	25	69401669	40344
			80	9,650	25	69401670	40347
7	7/8	VICTOGRAIN®-COOL	36	8,500	25	69401651	40342
			60	8,500	25	69401671	40345
			80	8,500	25	69401672	40348

Discontinued product

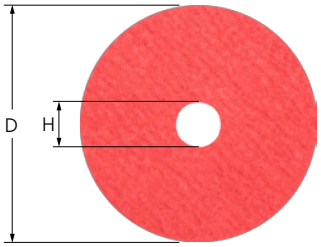


Zirconia alumina Z-COOL

For coarse grinding work with a high stock removal rate and cool grinding. Active grinding additives substantially improve the stock removal rate, prevent loading, and result in cooler grinding.

Special features:
- High productivity due to long service life and very high stock removal rate.
- Consistent surface finish due to high-quality abrasives. Highly flexible, enabling optimal adjustment to the contour.
- Optimal adjustment to the contour in conjunction with the matching backing pad. Please order backing pad separately.

D [Inch]	H [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
unslotted							
4-1/2	7/8	Z-COOL	36	13,300	25	69401113	62468
			50	13,300	25	69401114	62469
			60	13,300	25	69401164	62470
5	7/8	Z-COOL	36	12,200	25	69401118	62528
			50	12,200	25	*69401119*	62529
			60	12,200	25	69401120	62530
			80	12,200	25	69401121	62531
7	7/8	Z-COOL	50	8,500	25	69401124	62719
			80	8,500	25	*69401126*	62721



Ceramic oxide grain CO-COOL

Consistently high performance and aggressive grinding due to self-sharpening ceramic oxide grain. Active grinding additives improve the stock removal rate, prevent clogging and result in cooler grinding on hard materials which do not conduct heat well.

Special features:
- High productivity due to long service life and very high stock removal rate.
- Consistent surface finish due to high-quality abrasives. Highly flexible, enabling optimal adjustment to the contour.
- Optimal adjustment to the contour in conjunction with the matching backing pad. Please order backing pad separately.

D [Inch]	H [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
unslotted							
4-1/2	7/8	CO-COOL	24	13,300	25	69401259	62416
			36	13,300	25	69401203	62417
			50	13,300	25	69401261	62418
			60	13,300	25	69401262	62419
			80	13,300	25	69401263	62420
			120	13,300	25	69401264	62421
5	7/8	CO-COOL	24	12,200	25	69401281	62516
			36	12,200	25	69401282	62517
			50	12,200	25	69401283	62518
			60	12,200	25	69401284	62519

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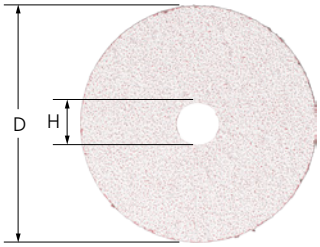
Discontinued product

D [Inch]	H [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
5	7/8	CO-COOL	80	12,200	25	69401285	62520
			120	12,200	25	69401286	62521
7	7/8	CO-COOL	24	8,500	25	69401298	62749
			36	8,500	25	69401299	62750
			50	8,500	25	69401300	62751
			60	8,500	25	69401301	62752
			80	8,500	25	69401302	62753
			120	8,500	25	69401303	62754



Ceramic oxide grain CO-ALU

For aggressive grinding with maximum stock removal rate for machining non-ferrous metals. Consistently high performance due to self-sharpening ceramic oxide grain. Adhesion-reducing additives in the coating significantly reduce the chip adhesion and therefore reduce loading of the fibre discs.

Special features:

- High productivity due to long service life and very high stock removal rate.
- Consistent surface finish due to high-quality abrasives. Highly flexible, enabling optimal adjustment to the contour.
- Optimal adjustment to the contour in conjunction with the matching backing pad. Please order backing pad separately.

D [Inch]	H [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
unslotted							
4-1/2	7/8	CO-ALU	36	13,300	25	64282136	40771
			60	13,300	25	64282160	40772
			80	13,300	25	64282180	40773
5	7/8	CO-ALU	36	12,200	25	64282236	40774
			60	12,200	25	64282260	40775
			80	12,200	25	64282280	40776
7	7/8	CO-ALU	36	8,500	25	64282836	40777
			60	8,500	25	64282860	40778
			80	8,500	25	64282880	40779

Rubber backing pads

Backing pad for fiber discs for optimal contour adaptation due to high flexibility. Based on ISO 15636.

Special features:
- Backing pads for fibre discs used on commercially available angle grinders.

Suitable for tool diameter [Inch]	Thread	Version	Suitable for machine types	Max. RPM		Item no.	EDP no.
4 1/2	5/8-11	M (medium)	Angle grinders 4-1/2″ / 5″, spindle 5/8-11″	13,300	1	67901008	69455
5	5/8-11	M (medium)	Angle grinders 5″, spindle 5/8-11″	12,200	1	84900046	69525
7	5/8-11	W (soft)	Angle grinders 7″, spindle 5/8-11″	10,200	1	84900048	69704
		M (medium)	Angle grinders 7″, spindle 5/8-11″	8,500	1	84900049	69705
		H (hard)	Angle grinders 7″, spindle 5/8-11″	8,500	1	84900050	69706

High-performance backing pads

High-performance backing pad for fibre discs with a long service life due to abrasion-resistant, fibreglass-reinforced plastic. Particularly cool grinding due to radially arranged cooling fins, and high fibre-disc stock removal rate due to sturdy, rigid design.

Special features:
- Backing pads for fibre discs used on commercially available angle grinders.

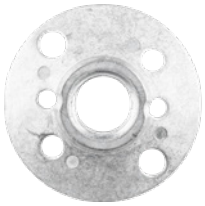
Suitable for tool diameter [Inch]	Thread	Suitable for machine types	Max. RPM		Item no.	EDP no.
4 1/2	5/8-11	Angle grinders 4-1/2″ / 5″, spindle 5/8-11″	13,300	1	47601221	69481
5	5/8-11	Angle grinders 5″, spindle 5/8-11″	12,200	1	47601222	69484
7	5/8-11	Angle grinders 7″, spindle 5/8-11″	8,500	1	47601122	69487

Temperature-resistant backing pads

Flexible and extremely temperature-resistant backing pad for fiber disc sanders with a long service life due to the highly temperature-resistant material. Enables precise work thanks to high flexibility. Complies with ISO 15636.

Special features:
- Backing pads for fibre discs used on commercially available angle grinders.

Suitable for tool diameter [Inch]	Thread	Version	Suitable for machine types	Max. RPM		Item no.	EDP no.
4 1/2	5/8-11	(F) Flexible	Angle grinders 4-1/2″ / 5″, spindle 5/8-11″	13,300	1	47601211	69480
		H (hard)	Angle grinders 4-1/2″ / 5″, spindle 5/8-11″	13,300	1	47601593	69482
5	5/8-11	(F) Flexible	Angle grinders 5″, spindle 5/8-11″	12,200	1	47601212	69483
		H (hard)	Angle grinders 5″, spindle 5/8-11″	12,200	1	47601594	69485
7	5/8-11	(F) Flexible	Angle grinders 7″, spindle 5/8-11″	8,500	1	47601213	69486
		H (hard)	Angle grinders 7″, spindle 5/8-11″	8,500	1	47601595	69488



FL-GT clamping nuts for GT backing pads

Fibre disc backing pad accessories, including clamping nuts and spanner wrench.

Special features:
- Matching center hole distances for standard commercial spanner wrench.

Thread	Suitable for machine types		Item no.	EDP no.
5/8-11	Angle grinder 4 1/2" / 5", spindle 5/8"-11	1	84900020	69107
	Angle grinder 7" – 9", spindle 5/8"-11	1	84900022	69108
	Angle grinder 4-1/2" – 7", spindle 5/8"-11	1	47601220	42071

Spanner wrench

Face pin spanner (STL) for securely fastening clamping flanges.

Special features:
- Offset face pin spanners for angle grinders.
- Generally suitable for all clamping flanges.

	Item no.	EDP no.
1	84900027	69115

Stand

Fibre disc storage device

Fibre disc storage device made from impact-resistant plastic. Device helps maintain fibre disc shape and prevents curling. The storage device can be stood upright, as well as mounted to walls.

Special features:
- Excellent storage for fibre grinding discs.
- With quick adjustment device and attachment holes on the base.
- Suitable for fibre disc diameters of 4" to 9".

	Item no.	EDP no.
1	44858015	47245

Hook and loop discs
General information

Safety notes

- The maximum permitted peripheral speed is 6,300 SFPM.
- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.
- Center the hook and loop discs on the holder.

Wear eye protection!

Wear hearing protection!

Wear gloves!

Wear a dust mask!

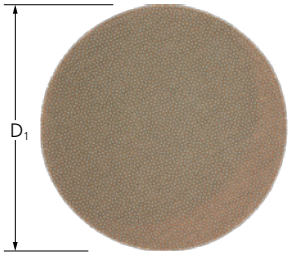
Use backing pad!

Follow the safety instructions!

Not permitted for wet grinding!

4

Hook and loop discs KR



DOT-A

High-performance solution for reproducible fine finishing. The special, multi-layer grain arrangement of DOT-A hook and loop discs ensures consistent material removal at low cutting speeds.

Special features:

- Smooth grinding of rough preliminary grinds.
- Heat generation and dust formation are significantly reduced.
- High-gloss finish due to new DOT-A spherical grain technology.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4 1/2	DOT-A	240	2,300	5,300	25	42871119	43690
		320	2,300	5,300	25	42871120	43691
		400	2,300	5,300	25	42871121	43692
		600	2,300	5,300	25	42871122	43693
		1200	2,300	5,300	25	42871123	43694
		2500	2,300	5,300	25	42871124	43695
5	DOT-A	240	2,100	4,900	25	42871219	43696
		320	2,100	4,900	25	42871220	43697
		400	2,100	4,900	25	42871221	43698
		600	2,100	4,900	25	42871222	43699
		1200	2,100	4,900	25	42871223	43700
		2500	2,100	4,900	25	42871224	43701
6	DOT-A	240	1,900	4,100	25	42871019	43702
		320	1,900	4,100	25	42871020	43703
		400	1,900	4,100	25	42871021	43704
		600	1,900	4,100	25	42871022	43705
		1200	1,900	4,100	25	42871023	43706
		2500	1,900	4,100	25	42871024	43707

New item

PSA discs
General information

PFERD TOOLS

Safety notes

- The maximum permitted peripheral speed is 5,000 SFPM.
- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.

Wear eye protection!

Wear hearing protection!

Wear gloves!

Wear a dust mask!

Follow the safety instructions!

PSA discs

Aluminum oxide A

Self-adhesive abrasive discs specifically for tool and die-making. For heavily contoured, delicate components. Achieve different surface quality levels from coarse to very fine.

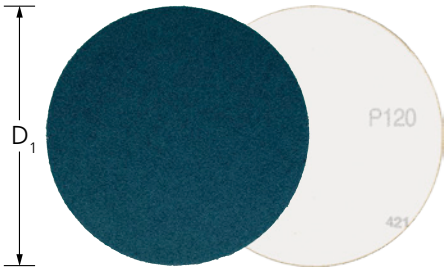
Special features:

- Conforms to contours due to high flexibility.
- Disc securely held on the holder with high-quality adhesive connection.
- Quick and easy product change. Please order abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
5	A	36	4,600	4,850	50	47201683	47361
		40	4,600	4,850	50	47201684	47362
		50	4,600	4,850	50	47201685	47363
		60	4,600	4,850	50	47201686	47364
		80	4,600	4,850	50	47201687	47365
		100	4,600	4,850	50	47201688	47366
		120	4,600	4,850	50	47201689	47367
		150	4,600	4,850	50	47201690	47368
		180	4,600	4,850	50	47201691	47369
		220	4,600	4,850	50	47201692	47370
		240	4,600	4,850	50	47201693	47371
		320	4,600	4,850	50	47201694	47372
6	A	36	3,800	4,100	50	47201696	47374
		40	3,800	4,100	50	47201697	47375
		50	3,800	4,100	50	47201698	47376
		60	3,800	4,100	50	47201699	47377
		80	3,800	4,100	50	47201700	47378
		100	3,800	4,100	50	47201701	47379
		120	3,800	4,100	50	47201702	47380

Continued on next page

D_1 [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
6	A	150	3,800	4,100	50	47201703	47381
		180	3,800	4,100	50	47201704	47382
		220	3,800	4,100	50	47201705	47383
		240	3,800	4,100	50	47201706	47384
		320	3,800	4,100	50	47201707	47385



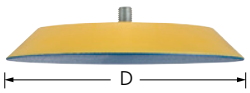
Zirconia alumina Z

Self-adhesive abrasive discs specifically for tool and die-making.

Special features:
- Conforms to contours due to high flexibility.
- Disc securely held on the holder with high-quality adhesive connection.
- Quick and easy product change. Please order abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
5	Z	40	4,600	4,850	50	47201803	47561
		60	4,600	4,850	50	47201805	47563
		80	4,600	4,850	50	47201806	47564
		120	4,600	4,850	50	47201808	47566
6	Z	36	3,800	4,100	50	47201809	47570
		40	3,800	4,100	50	47201810	47571
		60	3,800	4,100	50	47201812	47573
		80	3,800	4,100	50	47201813	47574
		120	3,800	4,100	50	47201815	47576

PSA disc holders



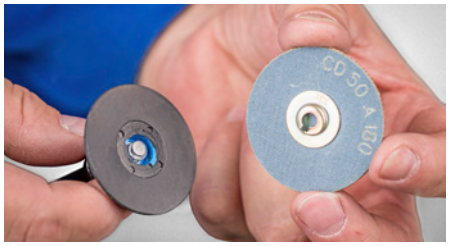
Threaded spindle

Flexible abrasive disc holder for using self-adhesive abrasive discs, specifically for tool and die construction.

Special features:
- Conforms to contours due to high flexibility.
- Quick and easy product change.
- High-quality adhesive keeps disc secured to holder.

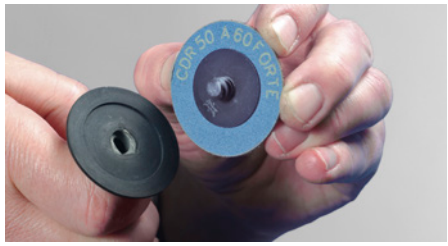
D [Inch]	Thread	Max. RPM		Item no.	EDP no.
5	5/16-24	10,000	1	47601089	47266
6	5/16-24	10,000	1	47601090	47268

COMBIDISC® attachment system CD and CDR



CD system

Disc side: Threaded connection with female thread (metal/plastic)



CDR system

Disc side: Threaded connection with male thread (plastic)

Quick product selection guide

Material group ▼			Abrasive ▶ Aluminum oxide A, A-PLUS, A-CONTOUR,	Aluminum oxide A, compact grain	Zirconia alumina Z	Silicon carbide SiC	Aluminum oxide A-COOL	Ceramic oxide grain CO-COOL	VICTOGRAIN®-COOL	Abrasive discs diamond	POLICLEAN® discs	Non-woven discs soft type, hard type, unitized
Steel, cast steel	Non-hardened, non-heat-treated steels	Construction steels, carbon steels, tool steels, non-alloyed steels, cast steel	●		○			●	●		●	●
	Hardened, heat-treated steels	Tool steels, tempering steels, alloyed steels, cast steel	○	●	●			●	●		○	○
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels		●	○		●	●	●		●	●
Non-ferrous metals	Soft non-ferrous metals, non-ferrous metals	Soft aluminum alloys	○				●	○			●	●
		Brass, copper, zinc	●		○						●	●
	Hard non-ferrous metals	Hard aluminum alloys	●		○	○					●	●
		Bronze, titanium			○	●		●	●	●	○	●
	High-temperature-resistant materials	Nickel-based and cobalt-based alloys			○			●	●	●	○	●
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite, with nodular graphite/nodular cast iron, white annealed cast iron, black annealed cast iron	●		○						●	●
Plastics, other materials		Fibre-reinforced plastics, thermoplastics, wood, chipboard, paint	●			●				●	●	●

● = highly recommended ○ = recommended

PFERD TOOLS

Safety notes

- The maximum permitted peripheral speed is 9,800 SFPM.
- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.

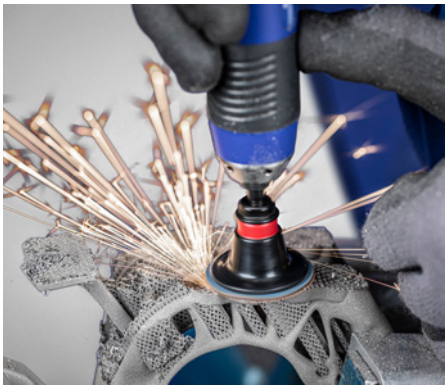
Wear eye protection!

Wear hearing protection!

Wear gloves!

Wear a dust mask!

Follow the safety instructions!



Mini-POLIFAN® CD, CDR

Aluminum oxide A

For universal coarse grinding work with high stock removal rates. Ideal for dressing weld seams in hard-to-reach places. Longer service life and higher stock removal rate when compared to abrasive discs.

Special features:

- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Highly cost-effective as product can be changed quickly with innovative COMBIDISC® clamping system. Please order abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CD system						
2	A	40	12,000 – 14,000	10	42719104	42802
		60	12,000 – 14,000	10	42719106	42803
		80	12,000 – 14,000	10	42719108	42804
		120	12,000 – 14,000	10	42719112	42805
3	A	40	8,000 – 10,000	10	42719204	42808
		60	8,000 – 10,000	10	42719206	42809
		80	8,000 – 10,000	10	42719208	42810
		120	8,000 – 10,000	10	42719212	42811
CDR system						
2	A	40	12,000 – 14,000	10	47202527	42912
		60	12,000 – 14,000	10	47202528	42913
		80	12,000 – 14,000	10	47202090	42914
		120	12,000 – 14,000	10	47202529	42915
3	A	40	8,000 – 10,000	10	47202530	42918

Continued on next page

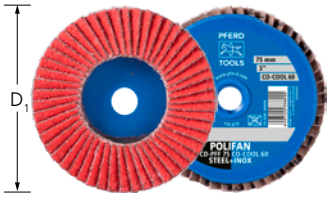
D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
3	A	60	8,000 – 10,000	10	47202531	42919
		80	8,000 – 10,000	10	47202091	42920
		120	8,000 – 10,000	10	47202532	42921

Zirconia alumina Z

For universal coarse grinding with high stock removal and long service life.

Special features:
- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Highly cost-effective as product can be changed quickly with innovative COMBIDISC® clamping system. Please order abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CD system						
2	Z	40	12,000 – 14,000	10	42719504	42814
		60	12,000 – 14,000	10	42719506	42815
		80	12,000 – 14,000	10	42719508	42816
		120	12,000 – 14,000	10	42719512	42817
3	Z	40	8,000 – 10,000	10	42719704	42820
		60	8,000 – 10,000	10	42719706	42821
		80	8,000 – 10,000	10	42719708	42822
		120	8,000 – 10,000	10	42719712	42823
CDR system						
2	Z	40	12,000 – 14,000	10	47202125	42924
		60	12,000 – 14,000	10	47202126	42925
		80	12,000 – 14,000	10	47202533	42926
		120	12,000 – 14,000	10	47202534	42927
3	Z	40	8,000 – 10,000	10	47202101	42930
		60	8,000 – 10,000	10	47202535	42931
		80	8,000 – 10,000	10	47202536	42932
		120	8,000 – 10,000	10	47202092	42933



CD

CO-COOL version

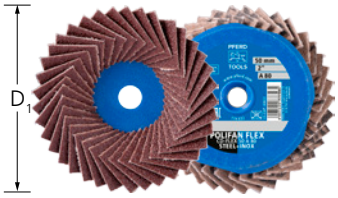
For aggressive grinding with maximum stock removal rate on hard materials that do not conduct heat well. Consistently high performance due to self-sharpening ceramic oxide grain. Active grinding additives in the coating substantially improve the stock removal rate, prevent loading, and result in cooler grinding.

Special features:
- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Highly cost-effective due to quick product changes. Please order necessary abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CD system						
2	CO-COOL	40	12,000 – 14,000	10	*42719100*	40803
		60	12,000 – 14,000	10	*42719101*	40804
		80	12,000 – 14,000	10	*42719102*	40805
		120	12,000 – 14,000	10	*42719103*	40806
3	CO-COOL	40	8,000 – 10,000	10	*42719105*	40807
		60	8,000 – 10,000	10	*42719107*	40808
		80	8,000 – 10,000	10	*42719109*	40809
		120	8,000 – 10,000	10	*42719110*	40810
CDR system						
2	CO-COOL	40	12,000 – 14,000	10	*42719111*	40811
		60	12,000 – 14,000	10	*42719113*	40812
		80	12,000 – 14,000	10	*42719114*	40813
		120	12,000 – 14,000	10	*42719115*	40814
3	CO-COOL	40	8,000 – 10,000	10	*42719116*	40815
		60	8,000 – 10,000	10	*42719117*	40816
		80	8,000 – 10,000	10	*42719118*	40817
		120	8,000 – 10,000	10	*42719119*	40818

Discontinued product

COMBIDISC®
Mini-POLIFAN FLEX CD, CDR



CD

Aluminum oxide A

For universal coarse grinding work with high stock removal rates. Ideal for dressing weld seams in hard-to-reach places. Longer service life and higher stock removal rate when compared to abrasive discs.

Special features:
- Ideal for grinding smaller fillet weld geometries.
- Ideal for contour grinding due to the flexible arrangement of the flaps.
- Highly cost-effective due to quick product changes. Please order necessary abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CD system						
2	A	40	12,000 – 14,000	10	*42719800*	40820
		60	12,000 – 14,000	10	*42719801*	40821
		80	12,000 – 14,000	10	*42719802*	40822
		120	12,000 – 14,000	10	*42719803*	40823
3	A	40	8,000 – 10,000	10	*42719804*	40824
		60	8,000 – 10,000	10	*42719805*	40825
		80	8,000 – 10,000	10	*42719806*	40826
		120	8,000 – 10,000	10	*42719807*	40827
CDR system						
2	A	40	12,000 – 14,000	10	*42719808*	40828
		60	12,000 – 14,000	10	*42719809*	40829
		80	12,000 – 14,000	10	*42719810*	40830
		120	12,000 – 14,000	10	*42719811*	40831
3	A	40	8,000 – 10,000	10	*42719812*	40832
		60	8,000 – 10,000	10	*42719813*	40833
		80	8,000 – 10,000	10	*42719814*	40834
		120	8,000 – 10,000	10	*42719815*	40835

Discontinued product

COMBIDISC®
Mini-POLIFAN FLEX CD, CDR

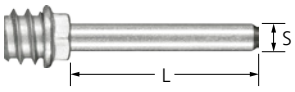
Ceramic oxide grain CO-COOL

For aggressive grinding with maximum stock removal rate on hard materials which do not conduct heat well. Ideal for dressing weld seams in hard-to-reach places.

Special features:
- Ideal for grinding smaller fillet weld geometries.
- Ideal for contour grinding due to the flexible arrangement of the flaps.
- Highly cost-effective due to quick product changes. Please order necessary abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CD system						
2	CO-COOL	40	12,000 – 14,000	10	*42719816*	40836
		60	12,000 – 14,000	10	*42719817*	40837
		80	12,000 – 14,000	10	*42719818*	40838
		120	12,000 – 14,000	10	*42719819*	40839
3	CO-COOL	40	8,000 – 10,000	10	*42719820*	40840
		60	8,000 – 10,000	10	*42719821*	40841
		80	8,000 – 10,000	10	*42719822*	40842
		120	8,000 – 10,000	10	*42719823*	40843
CDR system						
2	CO-COOL	40	12,000 – 14,000	10	*42719824*	40844
		60	12,000 – 14,000	10	*42719825*	40845
		80	12,000 – 14,000	10	*42719826*	40846
		120	12,000 – 14,000	10	*42719827*	40847
3	CO-COOL	40	8,000 – 10,000	10	*42719828*	40848
		60	8,000 – 10,000	10	*42719829*	40849
		80	8,000 – 10,000	10	*42719830*	40850
		120	8,000 – 10,000	10	*42719831*	40851

Drive arbors



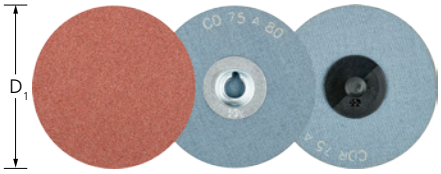
Drive arbors for Mini-POLIFAN® discs

Matching arbor for use with COMBIDISC® Mini-POLIFAN® discs with CD thread.

S [Inch]	L [Inch]	Suitable for		Item no.	EDP no.
1/4	1-1/2	for 2" Discs	1	47601160	42851
		for 3" Discs	1	47601078	42852

Discontinued product

COMBIDISC®
Abrasive discs CD, CDR



Aluminum oxide A

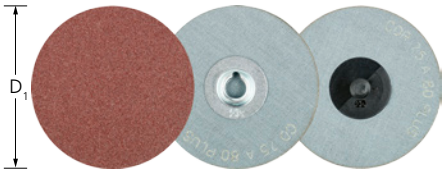
For universal coarse to fine grinding applications in industry and professional trades.

Special features:
- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Highly cost-effective as product can be changed quickly with innovative COMBIDISC® clamping system. Please order abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CD system						
1	A	60	15,000 – 26,000	100	42750306	42136
		80	15,000 – 26,000	100	42750308	42137
		120	15,000 – 26,000	100	42750312	42139
		180	15,000 – 26,000	100	42750318	42141
		320	15,000 – 26,000	100	42750332	42143
1-1/2	A	36	10,000 – 16,000	100	42750403	42145
		60	10,000 – 16,000	100	42750406	42148
		80	10,000 – 16,000	100	42750408	42149
		120	10,000 – 16,000	100	42750412	42151
		320	10,000 – 16,000	100	42750432	42155
2	A	36	8,000 – 13,000	100	42750503	42157
		60	8,000 – 13,000	100	42750506	42160
		80	8,000 – 13,000	100	42750508	42161
		120	8,000 – 13,000	100	42750512	42163
		180	8,000 – 13,000	100	42750518	42165
		320	8,000 – 13,000	100	42750532	42167
3	A	36	5,000 – 9,000	50	42750703	42169
		60	5,000 – 9,000	50	42750706	42172
		80	5,000 – 9,000	50	42750708	42173
		120	5,000 – 9,000	50	42750712	42175
		180	5,000 – 9,000	50	42750718	42177
		320	5,000 – 9,000	50	42750732	42179
CDR system						
1	A	60	15,000 – 26,000	100	42770306	42481
		80	15,000 – 26,000	100	42770308	42482
		120	15,000 – 26,000	100	42770312	42484
		180	15,000 – 26,000	100	42770318	42486
1-1/2	A	36	10,000 – 16,000	100	42770403	42490
		60	10,000 – 16,000	100	42770406	42493
		80	10,000 – 16,000	100	42770408	42494
		120	10,000 – 16,000	100	42770412	42496
		180	10,000 – 16,000	100	42770418	42498
		320	10,000 – 16,000	100	42770432	42500
2	A	36	8,000 – 13,000	100	42770503	42502

Continued on next page

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
2	A	50	8,000 – 13,000	100	*47201280*	42504
		60	8,000 – 13,000	100	42770506	42505
		80	8,000 – 13,000	100	42770508	42506
		120	8,000 – 13,000	100	42770512	42508
		180	8,000 – 13,000	100	42770518	42510
		320	8,000 – 13,000	100	42770532	42512
3	A	36	5,000 – 9,000	50	42770703	42514
		50	5,000 – 9,000	50	*47201286*	42516
		60	5,000 – 9,000	50	42770706	42517
		80	5,000 – 9,000	50	42770708	42518
		120	5,000 – 9,000	50	42770712	42520
		180	5,000 – 9,000	50	42770718	42522
		320	5,000 – 9,000	50	42770732	42524



CD CDR

Aluminum oxide A-PLUS

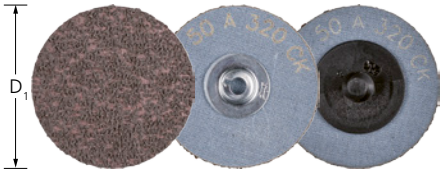
For universal applications from coarse to fine grinding. Higher stock removal rate due to sturdy backing material. Excellent for edge grinding due to high tear strength.

Special features:
- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Highly cost-effective as product can be changed quickly with innovative COMBIDISC® clamping system. Please order abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CD system						
2	A-PLUS	36	8,000 – 13,000	100	42755503	42330
		60	8,000 – 13,000	100	42755506	42331
		80	8,000 – 13,000	100	42755508	42332
		120	8,000 – 13,000	100	42755512	42333
3	A-PLUS	36	5,000 – 9,000	50	42755703	42335
		60	5,000 – 9,000	50	42755706	42336
		80	5,000 – 9,000	50	42755708	42337
		120	5,000 – 9,000	50	42755712	42338
CDR system						
2	A-PLUS	36	8,000 – 13,000	100	42775503	42670
		60	8,000 – 13,000	100	42775506	42671
		80	8,000 – 13,000	100	42775508	42672
		120	8,000 – 13,000	100	42775512	42673
3	A-PLUS	36	5,000 – 9,000	50	42775703	42675
		60	5,000 – 9,000	50	42775706	42676
		80	5,000 – 9,000	50	42775708	42677
		120	5,000 – 9,000	50	42775712	42678

Discontinued product

COMBIDISC®
Abrasive discs CD, CDR

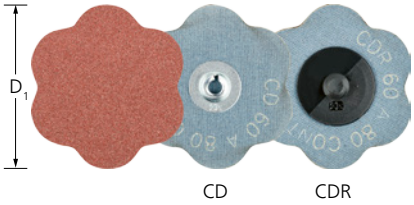


Aluminum oxide A compact grain

Extremely well suited to fine and very fine grinding, and for step-by-step preparations for polishing. The self-sharpening compact grain facilitates a very long service life and achieves consistent surface quality levels throughout the entire service life.

Special features:
- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Please order backing pad separately

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CD system						
2	A-CK	120	3,800 – 13,000	100	42755012	42936
		180	3,800 – 13,000	100	42755018	42937
		240	3,800 – 13,000	100	42755024	42938
		320	3,800 – 13,000	100	42755032	42939
		400	3,800 – 13,000	100	42755040	42940
		600	3,800 – 13,000	100	42755060	42941
		800	3,800 – 13,000	100	42755080	42942
		1000	3,800 – 13,000	100	42755100	42943
		1200	3,800 – 13,000	100	42755120	42944
CDR system						
2	A-CK	120	3,800 – 13,000	100	42795012	42954
		180	3,800 – 13,000	100	42795018	42955
		240	3,800 – 13,000	100	42795024	42956
		320	3,800 – 13,000	100	42795032	42957
		400	3,800 – 13,000	100	42795040	42958
		600	3,800 – 13,000	100	42795060	42959
		800	3,800 – 13,000	100	42795080	42960
		1000	3,800 – 13,000	100	42795100	42961
		1200	3,800 – 13,000	100	42795120	42962

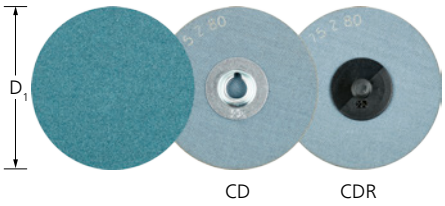


Aluminum oxide A-CONTOUR

Very flexible and adaptable due to scalloped-edge outer contour shape. Helps prevent cutting into the workpiece.

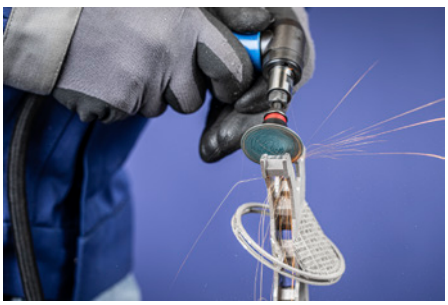
Special features:
- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Highly cost-effective as product can be changed quickly with innovative COMBIDISC® clamping system. Please order abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CD system						
2-3/8	A	60 CONTOUR	7,500 – 11,000	50	42759001	42117
		80 CONTOUR	7,500 – 11,000	50	42759002	42118
		120 CONTOUR	7,500 – 11,000	50	42759003	42119
		180 CONTOUR	7,500 – 11,000	50	42759004	42120
CDR system						
2-3/8	A	60 CONTOUR	7,500 – 11,000	50	42759005	42425
		80 CONTOUR	7,500 – 11,000	50	42759006	42426
		120 CONTOUR	7,500 – 11,000	50	42759007	42427
		180 CONTOUR	7,500 – 11,000	50	42759008	42428



Zirconia alumina Z

For coarse grinding work with a high stock removal rate and a long service life. High stock removal rate in coarse grinding applications using grit sizes 36 and 60.

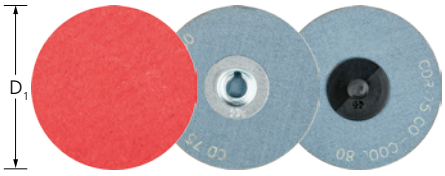


Special features:
- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Highly cost-effective as product can be changed quickly with innovative COMBIDISC® clamping system. Please order abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CD system						
2	Z	36	3,800 – 13,000	100	42753503	42254
		50	3,800 – 13,000	100	47201220	42256
		60	3,800 – 13,000	100	42753506	42257
		80	3,800 – 13,000	100	42753508	42258
3	Z	36	2,500 – 9,000	50	42753703	42261

Continued on next page

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
3	Z	50	2,500 – 9,000	50	47201224	42263
		60	2,500 – 9,000	50	42753706	42264
		80	2,500 – 9,000	50	42753708	42265
CDR system						
2	Z	36	3,800 – 13,000	100	42773503	42593
		50	3,800 – 13,000	100	47201328	42595
		60	3,800 – 13,000	100	42773506	42596
		80	3,800 – 13,000	100	42773508	42597
3	Z	36	2,500 – 9,000	50	42773703	42600
		50	2,500 – 9,000	50	47201332	42602
		60	2,500 – 9,000	50	42773706	42603
		80	2,500 – 9,000	50	42773708	42604



Ceramic oxide grain CO-COOL

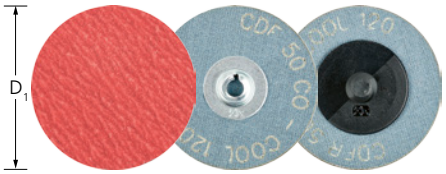
Consistently high performance and aggressive grinding due to self-sharpening ceramic oxide grain. Active grinding additives improve the stock removal rate, prevent clogging and result in cooler grinding on hard materials which do not conduct heat well.

Special features:
- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Highly cost-effective as product can be changed quickly with innovative COMBIDISC® clamping system. Please order abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CD system						
2	CO-COOL	24	3,800 – 13,000	100	42756502	42280
		36	3,800 – 13,000	100	42756503	42289
		60	3,800 – 13,000	100	42756506	42292
		80	3,800 – 13,000	100	42756508	42293
		120	3,800 – 13,000	100	42756512	42295
3	CO-COOL	24	2,500 – 9,000	50	42756702	42281
		36	2,500 – 9,000	50	42756703	42296
		60	2,500 – 9,000	50	42756706	42299
		80	2,500 – 9,000	50	42756708	42300
		120	2,500 – 9,000	50	42756712	42302
CDR system						
2	CO-COOL	24	3,800 – 13,000	100	42776502	42619
		36	3,800 – 13,000	100	42776503	42628
		60	3,800 – 13,000	100	42776506	42631
		80	3,800 – 13,000	100	42776508	42632
		120	3,800 – 13,000	100	42776512	42634

Continued on next page

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
3	CO-COOL	24	2,500 – 9,000	50	42776702	42620
		36	2,500 – 9,000	50	42776703	42635
		60	2,500 – 9,000	50	42776706	42638
		80	2,500 – 9,000	50	42776708	42639
		120	2,500 – 9,000	50	42776712	42641



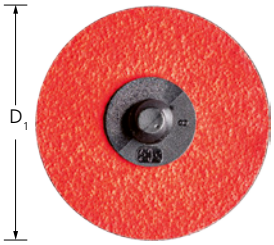
Ceramic oxide grain CO-COOL mini fibre discs

Consistently high performance and aggressive grinding due to self-sharpening ceramic oxide grain. Active grinding additives improve the stock removal rate, prevent clogging and result in cooler grinding on hard materials which do not conduct heat well.

Special features:

- Well-suited for surface and edge grinding. The fibre backing considerably strengthens the abrasive disc and improves stock removal.
- High economic efficiency as disc can be changed quickly. Very comfortable due to ease of use and low-vibration working.
- Please order arbors or disc backing pads separately.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CD system						
2	CO-COOL	36	3,800 – 13,000	100	42749503	40492
		50	3,800 – 13,000	100	42749505	40494
		80	3,800 – 13,000	100	42749508	40496
		120	3,800 – 13,000	100	42749512	40497
3	CO-COOL	36	2,500 – 9,000	50	42749703	40499
		50	2,500 – 9,000	50	42749705	40501
		80	2,500 – 9,000	50	42749708	40503
		120	2,500 – 9,000	50	42749712	40504
CDR system						
2	CO-COOL	36	3,800 – 13,000	100	42778503	40632
		50	3,800 – 13,000	100	42778505	40634
		80	3,800 – 13,000	100	42778508	40636
		120	3,800 – 13,000	100	42778512	40637
3	CO-COOL	36	2,500 – 9,000	50	42778703	40639
		50	2,500 – 9,000	50	42778705	40641
		80	2,500 – 9,000	50	42778708	40643
		120	2,500 – 9,000	50	42778712	40644



RS ceramic oxide grain CO-COOL mini fibre disc

Consistently high performance and aggressive grinding due to self-sharpening ceramic oxide grain. Active grinding additives improve the stock removal rate, prevent clogging and result in cooler grinding on hard materials which do not conduct heat well.

Special features:
- Outstandingly well suited for weld dressing of back- wards repair welds, e.g. in cases, slots and grooves on engines and for processing welded-on combustor plates.
- Unlike on conventional abrasive discs, the abrasive coating is on the underside of the product which allows backwards working in hard-to-reach areas.
- Please order backing pad separately

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CDR system						
1-1/2	CO-COOL	50	10,000 – 16,000	100	42799010	40570
		80	10,000 – 16,000	100	47201013	40571
		120	10,000 – 16,000	100	42799011	40572
2	CO-COOL	50	3,800 – 13,000	100	42799012	40573
		80	3,800 – 13,000	100	47201007	40574
		120	3,800 – 13,000	100	42799013	40575
3	CO-COOL	50	2,500 – 9,000	50	42799014	40576
		80	2,500 – 9,000	50	47201014	40577
		120	2,500 – 9,000	50	42799015	40578

VICTOGRAIN®-COOL mini fibre discs

For maximum removal rates with an extremely long service life on steel and materials which are hard or have poor heat-conducting properties. Active grinding additives in the coating substantially improve the stock removal rate, prevent loading and result in cooler grinding.

Special features:
- Well-suited for surface and edge grinding. The fibre backing considerably strengthens the abrasive disc and improves stock removal.
- High economic efficiency as disc can be changed quickly. Very comfortable due to ease of use and low-vibration working.
- Please order arbors or disc backing pads separately.

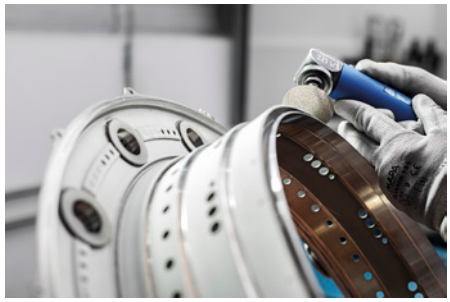
D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CD system						
2	VICTOGRAIN®-COOL	36	3,800 – 13,000	100	42705036	42433
		60	3,800 – 13,000	100	42705060	42443
		80	3,800 – 13,000	100	42705080	42447
3	VICTOGRAIN®-COOL	36	2,500 – 9,000	50	42707536	42434
		60	2,500 – 9,000	50	42707560	42444
		80	2,500 – 9,000	50	42707580	42448
CDR system						
2	VICTOGRAIN®-COOL	36	3,800 – 13,000	100	42715036	42441
		60	3,800 – 13,000	100	42715060	42445

Continued on next page

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
2	VICTOGRAIN®-COOL	80	3,800 – 13,000	100	42715080	42449
3	VICTOGRAIN®-COOL	36	2,500 – 9,000	50	42717536	42442
		60	2,500 – 9,000	50	42717560	42446
		80	2,500 – 9,000	50	42717580	42450

Diamond

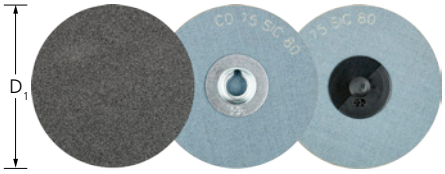
Highly recommended for work on wear-resistant coatings and for hard facings made of tungsten carbide, chromium carbide, titanium carbide, etc. Recommended for work on materials used for aircraft engine construction, e.g. HASTELLOY®, INCONEL® and titanium/titanium alloys. Also highly recommended for work on extremely hard materials such as tungsten carbide, glass, ceramics, enamel, stone and carbon-reinforced plastic (CRP)/glass reinforced plastic (GRP).



Special features:
- High economic efficiency as disc can be changed quickly. Very comfortable due to ease of use and low-vibration working.
- Please order arbors or disc backing pads separately.
- The diamond grit sizes correspond to the following grit sizes according to ISO 6344: D 251 = P 60; D 126 = P 120; D 76 = P 220.

D_1 [Inch]	Abrasive	Grit size [µm]	Opt. RPM		Item no.	EDP no.
CD system						
1	DIA	251	7,500 – 15,000	10	42740001	40515
		126	7,500 – 15,000	10	42740002	40516
		76	7,500 – 15,000	10	42740003	40517
1-1/2	DIA	251	5,000 – 10,000	10	42740004	40518
		126	5,000 – 10,000	10	42740005	40519
		76	5,000 – 10,000	10	42740006	40520
2	DIA	251	3,800 – 7,500	10	42740007	40521
		126	3,800 – 7,500	10	42740008	40522
		76	3,800 – 7,500	10	42740009	40523
3	DIA	251	2,500 – 5,000	10	42740010	40524
		126	2,500 – 5,000	10	42740011	40525
		76	2,500 – 5,000	10	42740012	40526
CDR system						
2	DIA	251	3,800 – 7,500	10	42758007	40661
		126	3,800 – 7,500	10	42758008	40662
		76	3,800 – 7,500	10	42758009	40663

COMBIDISC®
Abrasive discs CD, CDR

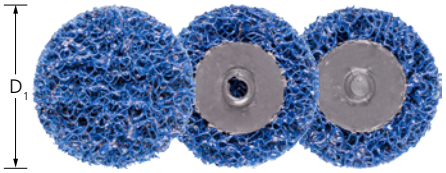


Silicon carbide SiC

For universal grinding work on components made from aluminum, copper, bronze, titanium and fibre-reinforced plastics. Particularly recommended for use on titanium alloys. Ideally suited to use in the aeronautical industry, especially where SiC is the only approved abrasive, e.g. for use on engine components.

Special features:
- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Highly cost-effective as product can be changed quickly with innovative COMBIDISC® clamping system. Please order abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
CD system						
2	SiC	36	3,800 – 13,000	100	42754503	42415
		60	3,800 – 13,000	100	42754506	42416
		80	3,800 – 13,000	100	42754508	42417
		120	3,800 – 13,000	100	42754512	42418
		240	3,800 – 13,000	100	42754524	42419
3	SiC	36	2,500 – 9,000	50	42754703	42420
		60	2,500 – 9,000	50	42754706	42421
		80	2,500 – 9,000	50	42754708	42422
		120	2,500 – 9,000	50	42754712	42423
		240	2,500 – 9,000	50	42754724	42424
CDR system						
2	SiC	36	3,800 – 13,000	100	42774503	42750
		60	3,800 – 13,000	100	42774506	42751
		80	3,800 – 13,000	100	42774508	42752
		120	3,800 – 13,000	100	42774512	42753
		240	3,800 – 13,000	100	42774524	42754
3	SiC	36	2,500 – 9,000	50	42774703	42755
		60	2,500 – 9,000	50	42774706	42756
		80	2,500 – 9,000	50	42774708	42757
		120	2,500 – 9,000	50	42774712	42758
		240	2,500 – 9,000	50	42774724	42759



POLICLEAN® PLUS

POLICLEAN PLUS is a coarsely structured, aggressive, non-woven cleaning material made from a special combination of synthetic fibres, resin and abrasive grain, with increased service life and optimum aggressiveness. Designed for roughening and for coarse cleaning work such as removing paint, scale, heat discoloration, rust and adhesive residues.

Special features:
- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Highly cost-effective as product can be changed quickly with innovative COMBIDISC® clamping system. Please order abrasive disc holder separately.

D_1 [Inch]	Version	Abrasive	Opt. RPM		Item no.	EDP no.
CD system						
2	PCLR PLUS	A	5,500 – 8,000	10	42780051	44840
3	PCLR PLUS	A	3,800 – 5,000	10	42780076	44841
CDR system						
2	PCLR PLUS	A	5,500 – 8,000	10	42780052	44842
3	PCLR PLUS	A	3,800 – 5,000	10	42780077	44843

Non-woven discs CD, CDR

Surface conditioning, hard type

Designed for universal work on small and medium-sized metal surfaces, e.g. removing rough grinding traces, removing oxidation, and light deburring work. Achieve matte and satin-finished surfaces.

Special features:
- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Highly cost-effective as product can be changed quickly with innovative COMBIDISC® clamping system. Please order abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Version	Opt. RPM		Item no.	EDP no.
CD system							
1-1/2	A	100 G	coarse, yellow-brown	7,000 – 10,000	50	47201919	43176
		180 M	medium, red-brown	7,000 – 10,000	50	47201920	43177
		240 F	fine, blue	7,000 – 10,000	50	47201921	43179
2	A	100 G	coarse, yellow-brown	5,500 – 7,500	50	47201797	43180
		180 M	medium, red-brown	5,500 – 7,500	50	47201798	43181
		240 F	fine, blue	5,500 – 7,500	50	47201799	43183
3	A	100 G	coarse, yellow-brown	3,800 – 5,000	50	47201922	43184
		180 M	medium, red-brown	3,800 – 5,000	50	47201923	43185
		240 F	fine, blue	3,800 – 5,000	50	47201924	43187

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COMBIDISC®
Non-woven discs CD, CDR

PFERD TOOLS

D_1 [Inch]	Abrasive	Grit size	Version	Opt. RPM		Item no.	EDP no.
CDR system							
1-1/2	A	100 G	coarse, yellow-brown	7,000 – 10,000	50	47201925	43234
		180 M	medium, red-brown	7,000 – 10,000	50	47201926	43235
		240 F	fine, blue	7,000 – 10,000	50	47201927	43237
2	A	100 G	coarse, yellow-brown	5,500 – 7,500	50	47202021	43238
		180 M	medium, red-brown	5,500 – 7,500	50	47202022	43239
		240 F	fine, blue	5,500 – 7,500	50	47202023	43241
3	A	100 G	coarse, yellow-brown	3,800 – 5,000	25	47202024	43242
		180 M	medium, red-brown	3,800 – 5,000	50	47202025	43243
		240 F	fine, blue	3,800 – 5,000	50	47202026	43245
4	A	100 G	coarse, yellow-brown	2,850 – 4,000	25	47202033	43246
		180 M	medium, red-brown	2,850 – 4,000	25	47202134	43247
		240 F	fine, blue	2,850 – 4,000	25	47202162	43248

Finishing, soft type

Designed for very fine grinding on small and medium-sized surfaces and contours, and for cleaning metal and painted surfaces. Achieve matte and satin-finished surfaces. Highly open structure.

Special features:
- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Highly cost-effective as product can be changed quickly with innovative COMBIDISC® clamping system. Please order abrasive disc holder separately.

D_1 [Inch]	Abrasive	Grit size	Version	Opt. RPM		Item no.	EDP no.
CD system							
2	A	100	medium	5,500 – 7,500	50	42760502	43200
		180	fine	5,500 – 7,500	50	42760503	43201
		280	very fine	5,500 – 7,500	50	42760504	43203
3	A	100	medium	3,800 – 5,000	25	42760752	43204
		180	fine	3,800 – 5,000	25	42760753	43205
		280	very fine	3,800 – 5,000	25	42760754	43207
CDR system							
2	A	100	medium	5,500 – 7,500	50	42780502	43258
		180	fine	5,500 – 7,500	50	42780503	43259
		280	very fine	5,500 – 7,500	50	42780504	43261
3	A	100	medium	3,800 – 5,000	25	42780752	43262
		180	fine	3,800 – 5,000	25	42780753	43263
		280	very fine	3,800 – 5,000	25	42780754	43265

COMBIDISC®
Non-woven discs CD, CDR

Unitized discs

For achieving a very fine, uniform surface finish which, depending on requirements, is a sufficient preparation for high-gloss polishing. Ideal for work on small and medium-sized surfaces of stainless steel (INOX) components.

Special features:
- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Highly cost-effective as product can be changed quickly with innovative COMBIDISC® clamping system. Please order abrasive disc holder separately.

4

D_1 [Inch]	Version	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
CD system								
2	W (soft)	A	G (coarse)	9,500	19,100	25	42759021	48431
		SiC	F (fine)	9,500	19,100	25	42759024	48430
	MW (medium-soft)	A	F (fine)	9,500	19,100	25	42779170	48234
		SiC	F (fine)	9,500	19,100	25	42779168	48232
	MH (medium-hard)	A	F (fine)	9,500	19,100	25	42759102	48435
			G (coarse)	9,500	19,100	25	47700204	48513
		SiC	F (fine)	9,500	19,100	25	42759104	48434
	H (hard)	A	G (coarse)	9,500	19,100	25	42759141	48439
			F (fine)	9,500	19,100	25	42759142	48438
3	W (soft)	A	G (coarse)	6,400	12,500	25	42759031	48441
		SiC	F (fine)	6,400	12,500	25	42759034	48440
	MW (medium-soft)	A	F (fine)	6,400	12,500	25	42779174	48238
		SiC	F (fine)	6,400	12,500	25	42779172	48236
	MH (medium-hard)	A	F (fine)	6,400	12,500	25	42759112	48445
			G (coarse)	6,400	12,500	25	47700205	48514
		SiC	F (fine)	6,400	12,500	25	42759114	48444
	H (hard)	A	G (coarse)	6,400	12,500	25	42759151	48449
			F (fine)	6,400	12,500	25	42759152	48448
CDR system								
2	W (soft)	A	G (coarse)	9,500	19,100	25	42779021	48451
		SiC	F (fine)	9,500	19,100	25	42779024	48450
	MW (medium-soft)	A	F (fine)	9,500	19,100	25	42779171	48235
		SiC	F (fine)	9,500	19,100	25	42779169	48233
	MH (medium-hard)	A	F (fine)	9,500	19,100	25	42779102	48455
			G (coarse)	9,500	19,100	25	47700206	48515
		SiC	F (fine)	9,500	19,100	25	42779104	48454
	H (hard)	A	G (coarse)	9,500	19,100	25	42779141	48459
			F (fine)	9,500	19,100	25	42779142	48458
3	W (soft)	A	G (coarse)	6,400	12,500	25	42779031	48461
		SiC	F (fine)	6,400	12,500	25	42779034	48460
	MW (medium-soft)	A	F (fine)	6,400	12,500	25	42779175	48239
		SiC	F (fine)	6,400	12,500	25	42779173	48237

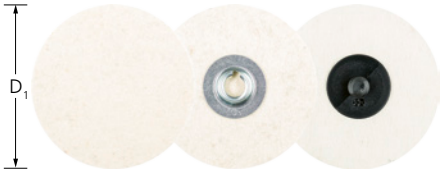
Continued on next page

New item

COMBIDISC®
Non-woven discs CD, CDR

D_1 [Inch]	Version	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
3	MH (medium-hard)	A	F (fine)	6,400	12,500	25	42779112	48465
			G (coarse)	6,400	12,500	25	47700207	48516
		SiC	F (fine)	6,400	12,500	25	42779114	48464
	H (hard)	A	G (coarse)	6,400	12,500	25	42779151	48469
			F (fine)	6,400	12,500	25	42779152	48468

Felt discs CD, CDR



Felt discs

Designed for polishing with polishing paste bars, grinding pastes, or diamond polishing pastes in face-down grinding on small and medium-sized surfaces.

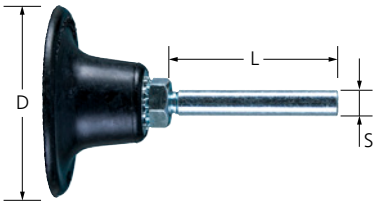
Special features:

- Convenient to use due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.
- Highly cost-effective as product can be changed quickly with innovative COMBIDISC® clamping system. Please order abrasive disc holder separately.

D_1 [Inch]	Opt. RPM		Item no.	EDP no.
CD system				
2	2,000 – 4,000	10	42770050	43215
3	1,200 – 2,500	10	42770075	43216
CDR system				
2	2,000 – 4,000	10	42003050	43213
3	1,200 – 2,500	10	42003075	43214

COMBIDISC®
Abrasive disc backing pad

PFERD TOOLS



Backing pads

Matching arbors for COMBIDISC® grinding discs. Available in three different hardness grades.

Special features:
- High economic efficiency as disc can be changed quickly. Very comfortable due to ease of use and low-vibration working.
- No operational disruptions caused by sticking, slipping, or disengaging.

D [Inch]	S [Inch]	L [Inch]	Hardness	Max. RPM		Item no.	EDP no.
CD system							
1	1/4	1-1/2	M (medium)	40,000	1	47601068	42106
1-1/2	1/4	1-1/2	W (soft)	20,000	1	47601069	42108
			M (medium)	25,000	1	47601070	42109
			H (hard)	30,000	1	47601071	42110
2	1/4	1-1/2	W (soft)	20,000	1	47601072	42111
			M (medium)	25,000	1	47601073	42112
			H (hard)	30,000	1	47601074	42113
3	1/4	1-1/2	W (soft)	12,000	1	47601075	42114
			M (medium)	20,000	1	47601076	42115
			H (hard)	20,000	1	47601077	42116
CDR system							
1	1/4	1-1/2	M (medium)	40,000	1	47601107	42454
1-1/2	1/4	1-1/2	W (soft)	20,000	1	47601132	42456
			M (medium)	25,000	1	47601112	42457
			H (hard)	30,000	1	47601105	42458
2	1/4	1-1/2	W (soft)	20,000	1	47601108	42459
			M (medium)	25,000	1	47601113	42460
			H (hard)	30,000	1	47601066	42461
3	1/4	1-1/2	W (soft)	12,000	1	47601109	42462
			M (medium)	20,000	1	47601114	42463
			H (hard)	20,000	1	47601110	42464
4	4	1-1/2	M (medium)	10,000	1	47601199	42465

Adapter for spindle 1/4-20 UNC

The shank of the abrasive disc holders can be replaced by this adapter.

Special features:
- With the adapter, the abrasive disc holder can be mounted directly to the drive spindle of the tool.
- Suitable for drives with spindle 1/4- 20 UNC, e.g. for PW 3/120 DH.

Suitable for		Item no.	EDP no.
1/4-20 UNC	1	87100727	95808

COMBIDISC® prep-to-paint set

Set of various COMBIDISC® tools.

Contents:
Four each of the following abrasive discs: EDP 42506 - 2" CDR A/O 80 grit, EDP 43239 - 2" CDR surface conditioning disc medium. One each of the following: EDP 42913 - CDR mini-POLIFAN® disc A/O 60 grit, EDP 44842 - 2" CDR POLICLEAN® PLUS disc, EDP 42460 - 2" CDR backing pad medium.

Special features:
- Ideal selection for completing a variety of tasks and getting to know the system.
- Curated selection of the most common versions.

Diameter [Inch]		Item no.	EDP no.
2	1	47201824	42789

COMBIDISC SET for polishing

Set of various COMBIDISC® tools.

Contents:
Three each of the following abrasive discs: EDP 43239 - 2" CDR surface conditioning disc medium. Two each of the following: EDP 48454 - 2" CDR unitized disc medium hard SiC Fine. One each of the following: EDP 42913 - CDR mini-POLIFAN® disc A/O 60 grit, EDP 43213 - 2" CDR Felt disc, EDP 48765 - Polishing paste SS/STL, EDP 42460 - 2" CDR backing pad medium.

Special features:
- Ideal selection for completing a variety of tasks and getting to know the system.
- Curated selection of the most common versions.

Diameter [Inch]		Item no.	EDP no.
2	1	47201826	42791

COMBIDISC Satin Finishing SET

Set of various COMBIDISC® tools.

Contents:
Six each of the following abrasive discs: EDP 42506 - 2" CDR A/O 80 grit, EDP 43239 - 2" CDR surface conditioning disc medium. One each of the following: EDP 42913 - CDR mini-POLIFAN® disc A/O 60 grit, EDP 42460 - 2" CDR backing pad medium.

Special features:
- Ideal selection for completing a variety of tasks and getting to know the system.
- Curated selection of the most common versions.

Diameter [Inch]		Item no.	EDP no.
2	1	47201825	42790

Quick product selection guide

Material group ▾			Abrasive ▸ Rec. peripheral speeds for short and long belts [SFPM]	Aluminum oxide A	Aluminum oxide A compact grain	Zirconia alumina Z	Aluminum oxide A-COOL	Ceramic oxide grain CO	Ceramic oxide grain CO-COOL	VICTOGRAIN®-COOL	Non-woven material	Felt
Steel, cast steel	Non-hardened, non-heat-treated steels	Construction steels, carbon steels, tool steels, non-alloyed steels, cast steel	5,000–7,000	●		○		●		●	●	●
	Hardened, heat-treated steels	Tool steels, tempering steels, alloyed steels, cast steel	4,000–5,000	○	●	●		●		●	○	●
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels	3,000–5,000		●	○	●		●	●	●	●
Non-ferrous metals	Soft non-ferrous metals, non-ferrous metals	Soft aluminum alloys	5,000–8,000	○			●		○		●	●
		Brass, copper, zinc		●		○		○			●	●
	Hard non-ferrous metals	Hard aluminum alloys	4,000–5,000	●		○		○			●	●
		Bronze, titanium				○		○	●	●	●	●
	High-temperature-resistant materials	Nickel-based and cobalt-based alloys	1,000–3,000			○		○	●	●	●	●
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite, with nodular graphite/nodular cast iron, white annealed cast iron, black annealed cast iron	5,000–7,000	●		○		●			●	
Plastics, other materials		Fibre-reinforced plastics, thermoplastics, wood, chipboard, paint	2,000–5,000	●							●	●

● = highly recommended ○ = recommended

Safety notes

- Follow the safety notes from FEPA (Federation of European Producers of Abrasives) “Safety notes for correct use of abrasive belts”. This information can be found in the download area on **www.pferd.com**.

Wear eye protection!

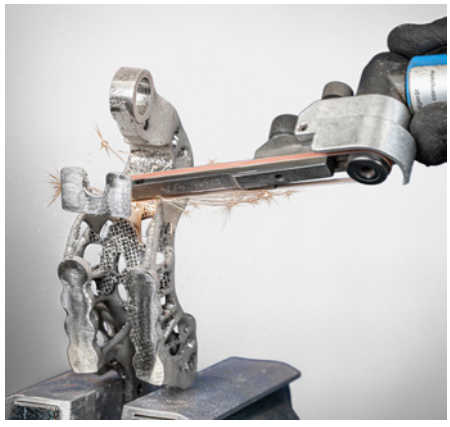
Wear hearing protection!

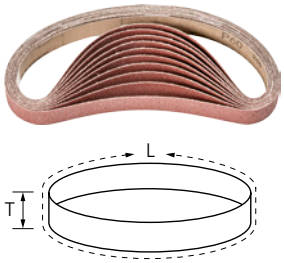
Wear gloves!

Wear a dust mask!

Follow the safety instructions!

Not permitted for wet grinding!





Aluminum oxide A

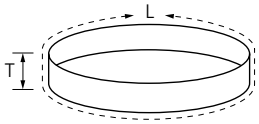
For universal applications from coarse to fine grinding.

Special features:
- Cost-effective due to high abrasive performance and durability.
- High tear strength with optimum flexibility.
- Consistent work results due to high grain adhesion.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
12	1/4	A	36	10	47501542	48960
			60	50	47501545	48963
			80	50	47501546	48964
			120	50	47501548	48966
	1/2	A	36	100	47500985	49024
			60	100	45002333	49027
			80	100	45002334	49028
			120	100	45002335	49030
15-1/2	3-1/2	A	40	10	47501171	49312
			60	10	47501173	49314
			80	10	47501174	49315
			100	10	47501175	49316
			120	10	47501176	49317
18	1/4	A	36	100	47500964	49000
			60	100	47500967	49003
			80	100	47500968	49004
			120	100	47500970	49006
	1/2	A	36	100	47500992	49032
			60	100	45002626	49035
			80	100	45002628	49036
			120	100	45002632	49038
	3/4	A	36	100	47501006	49048
			60	100	47501009	49051
			80	100	47501010	49052
			120	100	47501012	49054
21	3	A	40	10	45001104	49211
			60	10	45001106	49213
			80	10	45001108	49214
			100	10	45001110	49215
			120	10	45001112	49216
24	1/4	A	36	100	47500971	49008
			60	10	45002206	49011
			80	10	45002208	49012
	1/2	A	60	100	45002606	49043
			80	100	45002608	49044
			120	100	45002612	49046
			36	100	47500999	49040

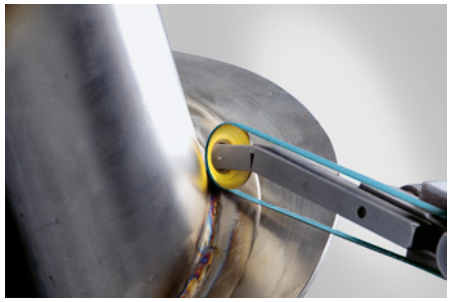
Continued on next page

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
24	3/4	A	36	50	47502855	49077
			60	50	47502856	49078
			80	50	47502857	49079
			120	50	47502858	49080
	3	A	40	10	45001134	49250
			60	10	45001136	49252
			80	10	45001138	49253
			100	10	45001140	49254
			120	20	45001142	49255
	4	A	40	10	47501205	49360
			60	10	45001306	49362
			80	10	45001308	49363
			100	10	45001310	49364
			120	10	45001312	49365
36	4	A	60	10	47501220	49375
			80	10	47501221	49376
			120	10	47501223	49378



Zirconia alumina Z

For universal coarse grinding with high stock removal and long service life.



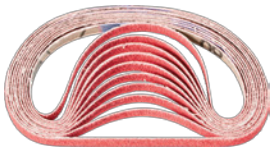
Special features:

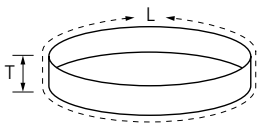
- Cost-effective due to high abrasive performance and durability.
- High tear strength with optimum flexibility.
- Consistent work results due to high grain adhesion.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
12	1/4	Z	36	50	47502860	49682
			60	50	47502861	49683
			80	50	47502862	49684
			120	50	47502863	49685
	1/2	Z	36	50	47501679	49712
			60	50	47501682	49715
			80	50	47501683	49716
			120	50	47502859	49727
18	1/4	Z	120	50	47502868	49722
			36	50	47501669	49691
			60	50	47501672	49694
			80	50	47501673	49695
	1/2	Z	36	100	47501298	49717
			60	100	47501301	49720
			80	100	47501302	49730
			120	50	47502869	49731

Continued on next page

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
18	3/4	Z	36	50	47501684	49740
			60	50	47501687	49743
			80	50	47501688	49744
			120	50	47502870	49745
24	1/4	Z	36	50	47501674	49696
			60	50	47501677	49699
			80	50	47501678	49700
			120	50	47502871	49706
	1/2	Z	36	100	47501303	49734
			60	100	45008206	49738
			80	100	45008208	49739
			120	50	47502872	49752
	3/4	Z	36	50	47502873	49754
			60	50	47502874	49755
			80	50	47502875	49756
			120	50	47502876	49757
36	4	Z	36	10	47501739	49879
			60	10	47501742	49882
			80	10	47501743	49883





Ceramic oxide grain CO-COOL

Consistently high performance and aggressive grinding due to self-sharpening ceramic oxide grain. Active grinding additives improve the stock removal rate, prevent clogging and result in cooler grinding on hard materials which do not conduct heat well.

Special features:

- Cost-effective due to high abrasive performance and durability.
- High tear strength with optimum flexibility.
- Consistent work results due to high grain adhesion.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
12	1/4	CO-COOL	40	50	47502877	49492
			60	50	47502878	49493
			80	50	47502879	49494
			120	50	47502880	49495
	1/2	CO-COOL	40	50	47501589	49529
			60	50	47501591	49531
			80	50	47501592	49532
			120	50	47502881	49533
13	3/8	CO-COOL	40	50	47501585	49511
			60	10	47501587	49513
			80	10	47501588	49514
			120	50	79120769	49515
15-1/2	3-1/2	CO-COOL	40	10	47502175	49641

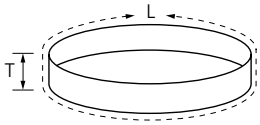
Continued on next page

Flexible abrasives
File belts

PFERD TOOLS

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
15-1/2	3-1/2	CO-COOL	60	10	47502176	49642
			80	10	47502177	49643
18	1/4	CO-COOL	40	50	47501577	49497
			60	50	47501579	49499
			80	50	47501580	49500
			120	50	47502886	49501
	1/2	CO-COOL	40	50	47501593	49536
			60	50	47501595	49538
			80	50	47501596	49539
			120	50	47502887	49540
	3/4	CO-COOL	40	50	47501601	49560
			60	50	47501603	49562
			80	50	47501604	49563
			120	50	47502888	49564
20-1/2	3/4	CO-COOL	40	50	47501605	49567
			60	10	47501607	49569
			80	10	47501608	49570
24	1/4	CO-COOL	40	50	47501581	49504
			60	50	47501583	49506
			80	50	47501584	49507
			120	50	47502889	49508
	1/2	CO-COOL	40	50	47501597	49543
			60	50	47501599	49545
			80	50	47501600	49546
			120	50	47502890	49547
	3/4	CO-COOL	40	50	47502891	49723
			60	50	47502892	49724
			80	50	47502893	49725
			120	50	47502894	49726
36	4	CO-COOL	40	10	47501657	49658
			60	10	47501659	49660
			80	10	47501660	49661
			120	1	*47502640*	49662

Discontinued product

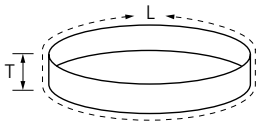


VICTOGRAIN®-COOL

For maximum removal rates with an extremely long service life on steel and materials which are hard or have poor heat-conducting properties. Active grinding additives in the coating substantially improve the stock removal rate, prevent loading and result in cooler grinding.

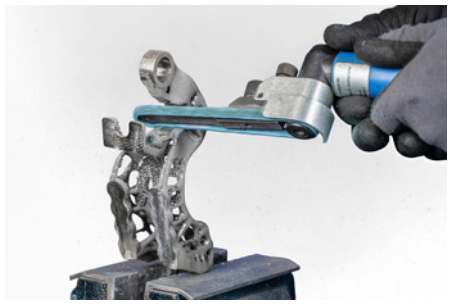
Special features:
- Cost-effective due to high abrasive performance and durability.
- High tear strength with optimum flexibility.
- Consistent work results due to high grain adhesion.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
21	3	VICTOGRAIN®-COOL	36	10	47502966	49400
24	3	VICTOGRAIN®-COOL	36	10	47502967	49401
	4	VICTOGRAIN®-COOL	36	10	47502968	49402
36	4	VICTOGRAIN®-COOL	36	10	47502969	49403



POLIVLIES® surface conditioning belts

Ideal for general work on surfaces such as metal tubular structures, e.g. removing rough grinding traces, removing oxidation and light deburring work. Achieve matt and satin-finished surfaces.



Special features:
- Cost-effective due to high abrasive performance and durability.
- High tear strength with optimum flexibility.
- Consistent work results due to high grain adhesion.

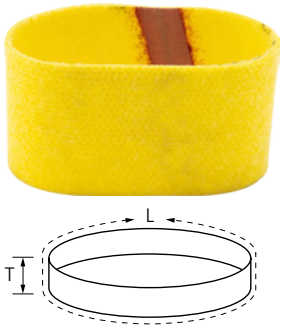
L [Inch]	T [Inch]	Abrasive	Grit size	Version		Item no.	EDP no.
12	1/4	A	100 G	coarse, yellow-brown	10	47202034	43634
			180 M	medium, red-brown	10	47202035	43635
			240 F	fine, blue	10	47202036	43636
	1/2	A	100 G	coarse, yellow-brown	10	47202043	43643
			180 M	medium, red-brown	10	47202044	43644
			240 F	fine, blue	10	47202045	43645
15-1/2	3-1/2	A	100 G	coarse, yellow-brown	10	47201586	43613
			180 M	medium, red-brown	10	47201587	43614
			240 F	fine, blue	10	47201588	43615
18	1/4	A	100 G	coarse, yellow-brown	10	47201523	43550
			180 M	medium, red-brown	10	47201524	43551
			240 F	fine, blue	10	47201525	43552
	1/2	A	100 G	coarse, yellow-brown	10	47201529	43556
			180 M	medium, red-brown	10	47201530	43557

Continued on next page

Flexible abrasives
File belts

L [Inch]	T [Inch]	Abrasive	Grit size	Version		Item no.	EDP no.
18	1/2	A	240 F	fine, blue	10	47201531	43558
	3/4	A	100 G	coarse, yellow-brown	10	47201535	43562
			180 M	medium, red-brown	10	47201536	43563
			240 F	fine, blue	10	47201537	43564
20-1/2	3/4	A	100 G	coarse, yellow-brown	10	47201538	43565
			180 M	medium, red-brown	10	*47201539*	43566
			240 F	fine, blue	10	47201540	43567
24	1/4	A	100 G	coarse, yellow-brown	10	47201526	43553
			180 M	medium, red-brown	10	47201527	43554
			240 F	fine, blue	10	47201528	43555
	1/2	A	100 G	coarse, yellow-brown	10	47201532	43559
			180 M	medium, red-brown	10	47201533	43560
			240 F	fine, blue	10	47201534	43561
	3/4	A	100 G	coarse, yellow-brown	10	47202578	43666
			180 M	medium, red-brown	10	47202579	43667
			240 F	fine, blue	10	47202580	43668
36	4	A	100 G	coarse, yellow-brown	10	47202572	43660
			180 M	medium, red-brown	10	47202573	43661
			240 F	fine, blue	10	47202574	43662

Belts and accessories for pneumatic drums



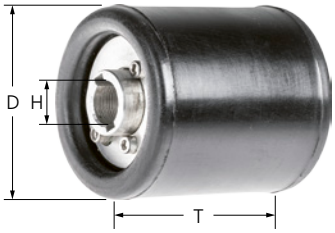
Felt polishing belt

Designed for polishing with polishing paste bars and grinding pastes on tubular constructions and railings.

Special features:
- High economic efficiency due to long service life.
- High tear strength with optimum flexibility.
- Consistent results due to outstanding polishing agent adhesion.

L [Inch]	T [Inch]		Item no.	EDP no.
15-1/2	3-1/2	2	47502167	43659

Discontinued product



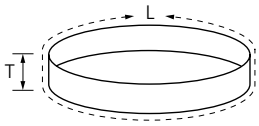
Pneumatic drum

The pneumatic grinding drum is suitable for short belts with a width of 100 mm and a length of 282 mm. The rubber tube yields with increased contact pressure, which is why the abrasive belt adapts very well to the surface to be machined and the contact area increases.

Special features:
- Cost-effective due to high abrasive performance and durability.
- The rubber pneumatic drum holder creates cushioned grinding and increases the service life of belts by reducing heat build-up and allowing more flexibility.

Suitable for short belts [Inch]	D [Inch]	T [Inch]	Max. RPM		Item no.	EDP no.
15-1/2 x 3-1/2	5	3-1/2	3,800	1	47600072	49985

Benchstand and Backstand Belts



Aluminum oxide A

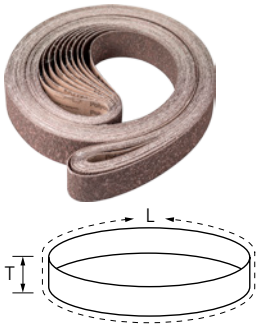
For universal applications from coarse to fine grinding.

Special features:
- Cost-effective due to high abrasive performance and durability.
- High tear strength with optimum flexibility.
- Consistent results due to outstanding grain adhesion.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
42	1	A	50	10	*47501037*	49094
			60	10	*47501038*	49095
			80	10	47501039	49096
			120	10	47501041	49098
48	2	A	36	10	*47501061*	49132
			50	10	*47501063*	49134
			60	10	47501064	49135
			80	10	47501065	49136
			120	10	47501067	49138
	6	A	36	10	47501255	49464
			50	10	47501257	49466
			60	10	47501258	49467
			80	10	47501259	49468
			120	10	47501261	49470
60	2-1/2	A	36	10	47501100	49179

Continued on next page

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
60	2-1/2	A	50	10	47501102	49181
			60	10	47501103	49182
			80	10	47501104	49183
132	2	A	36	10	*47501083*	49159



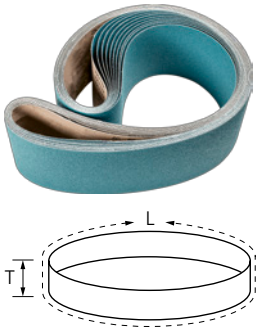
Aluminum oxide A compact grain

Extremely well suited to fine and very fine grinding, and for step-by-step preparations for polishing. The self-sharpening compact grain facilitates a very long service life and achieves consistent surface quality levels throughout the entire service life.

Special features:
- Cost-effective due to high abrasive performance and durability.
- High tear strength with optimum flexibility.
- Consistent work results due to high grain adhesion.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
72	2	A-CK	320	10	*47502997*	49823
			400	10	*47502998*	49824
			600	10	*47502999*	49825
			800	10	*47503000*	49826
132	2	A-CK	120	10	*47502649*	49810
			240	10	*47502650*	49811
			400	10	*47502651*	49812
			600	10	*47502652*	49813

Discontinued product



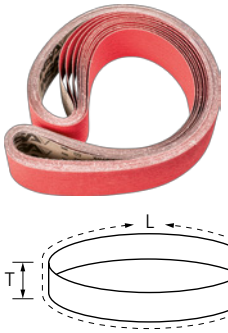
Zirconia alumina Z

For universal coarse grinding with high stock removal and long service life.

Special features:
- Cost-effective due to high abrasive performance and durability.
- High tear strength with optimum flexibility.
- Consistent work results due to high grain adhesion.

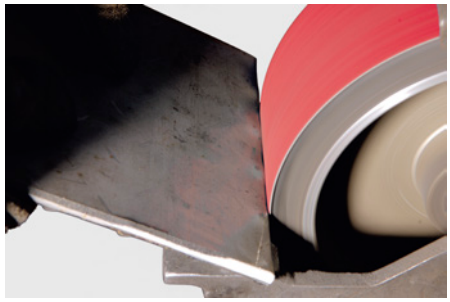
L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
48	2	Z	36	10	*47501699*	49786
			60	10	*47501702*	49789
			80	10	*47501703*	49790
	6	Z	36	10	47501331	49885
			60	10	47501334	49888
			80	10	47501335	49889
60	2	Z	36	10	47501704	49792
			60	10	47501707	49795
			80	10	47501708	49796
	2-1/2	Z	36	10	47501719	49828
			60	10	47501722	49831
			80	10	47501723	49832
72	2	Z	36	10	*47501709*	49798
			60	10	*47501712*	49801
			80	10	*47501713*	49802
			120	10	*47502995*	49803

Discontinued product



Ceramic oxide grain CO-COOL

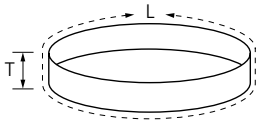
Consistently high performance and aggressive grinding due to self-sharpening ceramic oxide grain. Active grinding additives improve the stock removal rate, prevent clogging and result in cooler grinding on hard materials which do not conduct heat well.



Special features:
- Cost-effective due to high abrasive performance and durability.
- High tear strength with optimum flexibility.
- Consistent work results due to high grain adhesion.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
48	2	CO-COOL	40	10	47501617	49588
			60	10	47501619	49590
			80	10	47501620	49591
			120	10	*47502645*	49592
	6	CO-COOL	40	10	47501665	49672
			120	10	*47502648*	49676
			60	10	47501667	49674
			80	10	47501668	49675
60	2	CO-COOL	40	10	47501621	49595
			60	10	47501623	49597
			80	10	47501624	49598
			120	10	*47502646*	49599
	2-1/2	CO-COOL	40	10	*47501633*	49616
			60	10	*47501635*	49618
			80	10	*47501636*	49619
72	2	CO-COOL	40	10	47501625	49602
			50	10	47501626	49603
			60	10	47501627	49604
			80	10	47501628	49605
			120	10	*47502996*	49606
132	2	CO-COOL	40	10	*47502641*	49687
			80	10	*47502643*	49689
			120	10	*47502644*	49690

Discontinued product

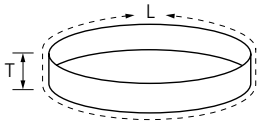


VICTOGRAIN®-COOL

For maximum removal rates with an extremely long service life on steel and materials which are hard or have poor heat-conducting properties. Active grinding additives in the coating substantially improve the stock removal rate, prevent loading and result in cooler grinding.

Special features:
- Cost-effective due to high abrasive performance and durability.
- High tear strength with optimum flexibility.
- Consistent work results due to high grain adhesion.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
48	6	VICTOGRAIN®-COOL	36	10	47502971	49405
60	2	VICTOGRAIN®-COOL	36	10	47502973	49407
	2-1/2	VICTOGRAIN®-COOL	36	10	47502972	49406
72	2	VICTOGRAIN®-COOL	36	10	47502679	49409
132	2	VICTOGRAIN®-COOL	36	10	47502974	49408

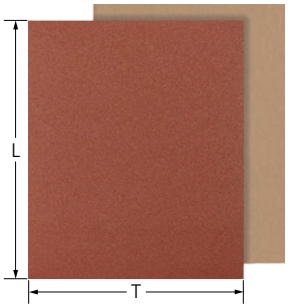


POLIVLIES® surface conditioning belts

Designed for universal work on metal surfaces in stationary applications, e.g. removing rough grinding traces, removing oxidation, and light deburring work. Achieve matte and satin-finished surfaces.

Special features:
- Cost-effective due to high abrasive performance and durability.
- High tear strength with optimum flexibility.
- Consistent work results due to high grain adhesion.

L [Inch]	T [Inch]	Abrasive	Grit size	Version		Item no.	EDP no.
48	2	A	100 G	coarse, yellow-brown	10	47202584	43672
			180 M	medium, red-brown	10	47202585	43673
			240 F	fine, blue	10	47202586	43674
	6	A	100 G	coarse, yellow-brown	10	47202593	43681
			180 M	medium, red-brown	10	47202594	43682
			240 F	fine, blue	10	47202595	43683
60	2	A	100 G	coarse, yellow-brown	10	47202590	43678
			180 M	medium, red-brown	10	47202591	43679
			240 F	fine, blue	10	47202592	43680
	2-1/2	A	100 G	coarse, yellow-brown	10	47202587	43675
			180 M	medium, red-brown	10	47202588	43676
			240 F	fine, blue	10	47202589	43677
72	2	A	100 G	coarse, yellow-brown	10	47201559	43586
			180 M	medium, red-brown	10	47201560	43587
			240 F	fine, blue	10	47201561	43588
132	2	A	100 G	coarse, yellow-brown	10	47202581	43669
			180 M	medium, red-brown	10	47202582	43670
			240 F	fine, blue	10	47202583	43671

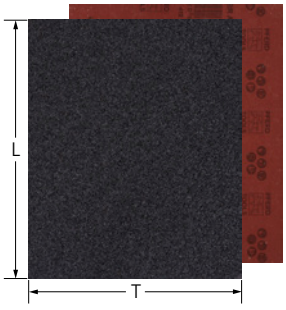


Cloth-backed sheets, heavy-duty

The brown cloth-backed sheet is ideal for universal, heavy-duty use on alloyed and non-alloyed steels, as well as non-ferrous metals.

Special features:
- High grain adhesion on very flexible cloth.
- High abrasive performance.
- Oil and kerosene-resistant.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
11	9	A	40	50	45013004	46912
			60	50	45013006	46913
			80	50	45013008	46914
			100	50	45013010	46915
			120	50	45013012	46916
			150	50	45013015	46917
			180	50	45013018	46918
			220	50	45013022	46919
			240	50	45013024	46920
			280	50	45013028	46921
			320	50	45013032	46922
			400	50	45013040	46924



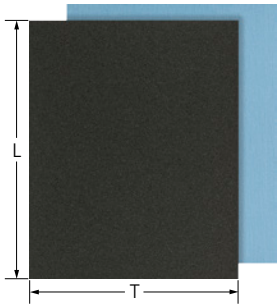
A, BR ECO aluminium oxide version

The cloth-backed variant is designed for general, heavy-duty use when working on painted surfaces, wood and metal.

Special features:
- Good grain adhesion on flexible cloth.
- Good abrasive performance.
- High tear strength with optimum quality.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
11	9	A	40	50	*47503619*	46954
			60	50	*47503620*	46955
			80	50	*47503621*	46956
			100	50	*47503622*	46957
			120	50	*47503623*	46958
			150	50	*47503624*	46959
			180	50	*47503625*	46960
			220	50	*47503626*	46961
			240	50	*47503627*	46962

Discontinued product



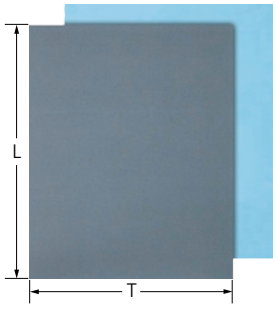
Cloth-backed sheets, standard-duty

The blue cloth-backed sheet is the low-cost alternative for normal workloads on painted wooden and metal surfaces.

Special features:
- High grain adhesion on very flexible cloth.
- Good abrasive performance.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
11	9	A	80	50	*45012008*	46902
			240	100	*45012024*	46908

Paper-backed sheets, general-purpose



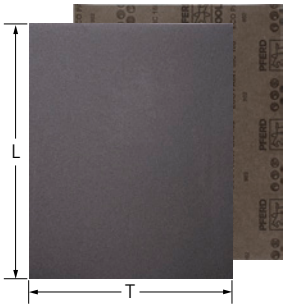
Waterproof (W) SiC version

The SiC abrasive enables use on paint and glass. Ideal for all wet grinding work on conventional painted surfaces.

Special features:
- High grain adhesion on very flexible and light paper.
- Maximum abrasive performance.
- Can be used for wet and dry grinding.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
11	9	SiC	100	50	45014010	46927
			120	50	45014012	46928
			150	50	45014015	46929
			180	50	45014018	46930
			220	50	45015022	46931
			240	50	45015024	46932
			280	50	45015028	46933
			320	50	45015032	46934
			360	50	45015036	46935
			400	50	45015040	46936
			500	50	45015050	46937
			600	50	45015060	46938
			800	50	45015080	46939
			1000	50	45015100	46940
			1200	50	45015120	46941

Discontinued product

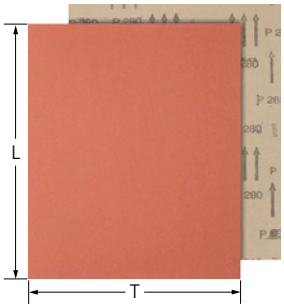


Waterproof (W) ECO SiC version

The ECO W version with silicon carbide (SiC) is a low-cost alternative for use on paint and glass. Particularly suitable for all wet grinding work on conventional painted constructions.

Special features:
- Good grain adhesion on very flexible and light paper.
- Maximum abrasive performance.
- Can be used for wet and dry grinding.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
11	3/4	SiC	60	50	45015254	46350
			80	50	45015255	46351
			100	50	45015256	46352
			120	50	45015257	46353
			150	50	45015258	46354
			180	50	45015259	46355
			220	50	45015260	46356
			240	50	45015261	46357
			320	50	45015262	46358
			400	50	45015263	46359
			600	50	45015264	46360
			800	50	45015265	46361
			1000	50	45015266	46362
			1200	50	45015267	46363
			2000	50	45015268	46364

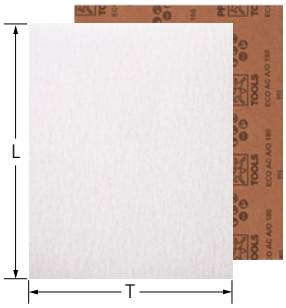


Aluminum oxide A

The aluminum oxide A abrasive is the low-cost alternative for normal workloads when working on painted wooden and metal surfaces.

Special features:
- Good grain adhesion on sturdy paper.
- Good abrasive performance.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
11	9	A	40	50	45015204	46942
			60	50	45015206	46943
			80	50	45015208	46944
			100	100	45015210	46945
			120	100	45015212	46946
			150	100	45015215	46947
			180	100	45015218	46948
			220	100	45015222	46949
			240	100	45015224	46950
			280	100	45015228	46951
			400	100	45015240	46952



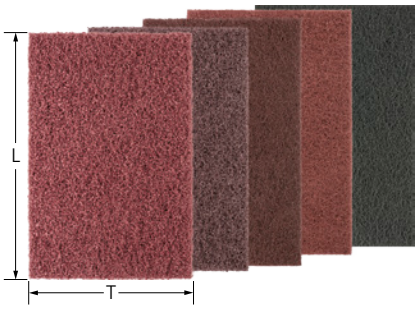
ECO AC version

The stearate coating is a non-stick coating (AC) that prevents the abrasive sheets from clogging. The ECO AC version with aluminum oxide A is a low-cost alternative for general grinding work in industry and professional trades.

Special features:
- High abrasive performance through very good grain adhesion.
- The non-stick coating (AC) prevents loading with low wear.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
11	9	A	60	50	45015241	46330
			80	50	45015242	46331
			100	50	45015243	46332
			120	50	45015244	46333
			150	50	45015245	46334
			180	50	45015246	46335
			220	50	45015247	46336
			240	50	45015248	46337
			320	50	45015249	46338
			400	50	45015250	46339
			600	50	45015251	46340
			800	50	45015252	46341
			1000	50	45015253	46342

Hand pads



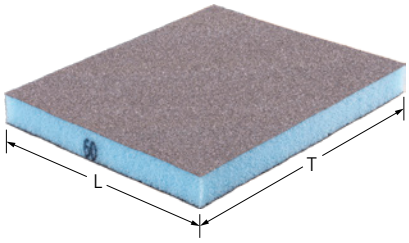
POLINOX® hand pads

Ideal for very fine grinding on small to large surfaces and contours, and for manually cleaning metal and painted surfaces. Achieve matte and satin-finished surfaces. Highly open structure.

Special features:
- Conforms to contours due to high flexibility.
- Access hard-to-reach areas.

L [Inch]	T [mm]	Abrasive	Grit size	Color code		Item no.	EDP no.
9	6	A	-	white	20	47201630	44618
			100	tan	20	47201625	44606
			180	maroon	20	47201623	44600
			240	green	20	47201628	44613
		SiC	400	grey	20	47201626	44609

Flexible abrasives
Sanding sponges set



Aluminum oxide A

The sanding sponge is suitable for sanding down flat and irregular surfaces by hand. It is ideal for working on wood, paint and metal, drywall construction and for all types of small workpieces.

Special features:
- Good grain adhesion on the backing material for a long tool life.
- Washable, meaning it can be reused.
- Good abrasive performance.

L [Inch]	T [Inch]	Grinding surfaces	Abrasive	Grit size		Item no.	EDP no.
2-3/4	4	4	A	60	5	44697650	46400
				100	5	44697651	46401
				180	5	44697652	46402
4	4-3/4	2	A	60	5	44697653	46404
				100	5	44697654	46405
				180	5	44697655	46406

Sanding Sponge Sets

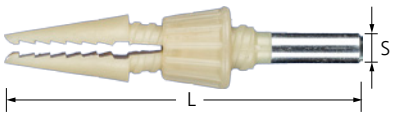
Sanding sponge set

The sanding sponges are suitable for sanding down flat and irregular surfaces by hand. They are ideal for working on wood, paint and metal, drywall construction and for all types of small workpieces. The three-piece set can be used for coarse to fine grinding.

Contents:
One sanding sponge in each of the following grit sizes: 60, 100 and 180.

Special features:
- Good grain adhesion on the backing material for a long tool life.
- Washable, meaning it can be reused.
- Good abrasive performance.

Length [Inch]	Width [Inch]	Height [Inch]		Item no.	EDP no.
2-3/4	4	1	1	44698010	46403
4	4-3/4	1/2	1	44698011	46407



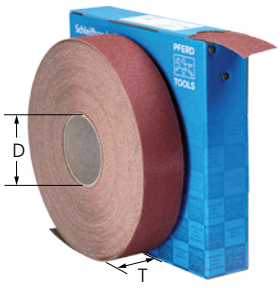
Clamping arbor

Shank-mounted arbor for clamping POLINOX® non-woven material, e.g. cut hand pads or non-woven shop rolls.

Special features:
- Designed for universal use.
- Suitable for non-woven material up to 1" wide.
- For working on hard-to-reach inner surfaces such as deep holes.

S [Inch]	L [Inch]		Item no.	EDP no.
1/4	7/8	1	47601216	44837

Shop rolls



Heavy-duty shop rolls

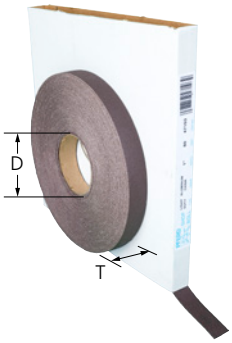
Aluminum oxide cloth with a combination resin-over-resin bond most resistant to heat and moisture, very strong bond for best durability. For use on ferrous and non-ferrous metals grinding flat or irregular surfaces, cleaning and polishing of rough ground workpieces.

Special features:
- Conforms to contours due to high flexibility.
- Low wear due to high tear strength and very high grain adhesion.
- Please order matching shop roll holder separately.

T [Inch]	Length [Yards]	D [Inch]	Abrasive	Grit size		Item no.	EDP no.
1	50	3	A	60	1	45016006	47116
				80	1	45016008	47117
				100	1	45016010	47118
				120	1	45016012	47119
				150	1	45016015	47120
				180	1	45016018	47121
				240	1	45016024	47123
				320	1	45016032	47125
				400	1	45016040	47126
1-1/2	50	3	A	60	1	45016106	47166
				80	1	45016108	47167
				100	1	45016110	47168
				120	1	45016112	47169
				150	1	45016115	47170
				180	1	45016118	47171
				220	1	45016122	47172
				240	1	45016124	47173
				320	1	45016132	47175
2	50	3	A	60	1	45016206	47216
				80	1	45016208	47217

Continued on next page

T [Inch]	Length [Yards]	D [Inch]	Abrasive	Grit size		Item no.	EDP no.
2	50	3	A	100	1	45016210	47218
				120	1	45016212	47219
				150	1	45016215	47220
				180	1	45016218	47221
				220	1	45016220	47222
				240	1	45016224	47223
				320	1	45016232	47225
				400	1	45016240	47226



Light cloth, flexible shop rolls

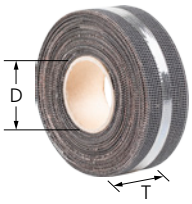
The shop rolls offer good heat resistance and ensure smooth surface finishes. The cloth-backed variant is suitable for general, heavy-duty use on alloyed and non-alloyed steels, as well as non-ferrous metals.

Special features:
- Conforms to contours due to high flexibility.
- Little wear due to high tear strength and very good grain adhesion. Please order matching shop roll holder separately.

T [Inch]	Length [Yards]	D [Inch]	Abrasive	Grit size		Item no.	EDP no.
1	50	3	A	50	1	47301056	47101
				60	1	47301057	47102
				80	1	47301058	47103
				100	1	47301059	47104
				120	1	47301060	47105
				150	1	47301061	47106
				180	1	47301062	47107
				220	1	47301063	47108
				240	1	47301064	47109
				320	1	47301066	47111
				400	1	47301067	47112
				500	1	47301068	47113
1-1/2	50	3	A	50	1	47301083	47151
				60	1	47301084	47152
				80	1	47301085	47153
				100	1	47301086	47154
				120	1	47301087	47155
				150	1	47301088	47156
				180	1	47301089	47157
				220	1	47301090	47158
				240	1	47301091	47159
				320	1	47301093	47161
				400	1	47301094	47162
				500	1	47301095	47163
2	50	3	A	50	1	47301110	47201
				60	1	47301111	47202
				80	1	47301112	47203

Continued on next page

T [Inch]	Length [Yards]	D [Inch]	Abrasive	Grit size		Item no.	EDP no.
2	50	3	A	100	1	47301113	47204
				120	1	47301114	47205
				150	1	47301115	47206
				180	1	47301116	47207
				220	1	47301117	47208
				240	1	47301118	47209
				320	1	47301120	47211
				400	1	47301121	47212
				500	1	47301122	47213



Screen rolls

For universal grinding work on components made from aluminum, copper, bronze, titanium and fibre-reinforced plastics. Recommended for use on titanium alloys. Ideally suited to use in the aeronautical industry, especially where SiC is the only approved abrasive, e.g. for use on engine components.

Special features:
- Conforms to contours due to high flexibility.
- Low wear due to high tear strength and very high grain adhesion.
- Please order matching shop roll holder separately.

T [Inch]	Length [Yards]	Abrasive	Grit size		Item no.	EDP no.
1-1/2	10	SiC	80	1	47301139	47233
			120	1	47301140	47234
			180	1	47301141	47235

Shop rolls and holders

Version SRH 1

Holder for wall mounting: for storing and tearing off to the required length as necessary.

Special features:
- Enables the proper storage of shop rolls.

Number of rolls	Suitable for roll width [Inch]	Suitable for roll diam-eter [Inch]		Item no.	EDP no.
1	1, 1-1/2, 2	15	1	42990001	47238

Multi-roll shop holder

Holder for wall mounting: For storing and tearing off to the required length as necessary. Various roll sizes can be combined with each other as desired.

Special features:
- Enables the proper storage of shop rolls.

Number of rolls	Suitable for roll width [Inch]	Suitable for roll diameter [Inch]		Item no.	EDP no.
5	1, 1-1/2, 2	10	1	42990007	47239

Non-woven shop rolls

Aluminum oxide A and silicon carbide SiC

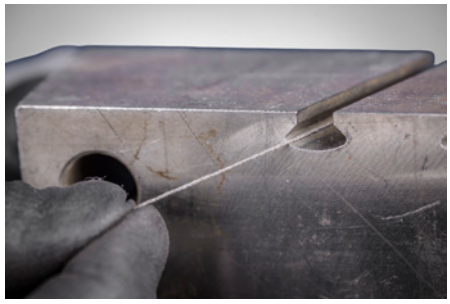
Designed for very fine grinding on small to large surfaces and contours, and for manually cleaning metal and painted surfaces. Achieve matte and satin-finished surfaces. Highly open structure.

Special features:
- Conforms to contours due to high flexibility.
- Access hard-to-reach areas.

T [Inch]	Length [Yards]	Abrasive	Grit size		Item no.	EDP no.
4	10	A	80	1	45018308	43515
			100	1	45018310	43516
			180	1	45018318	43517
			280	1	45018328	43518
		SiC	400	1	45018440	43519

AC Version

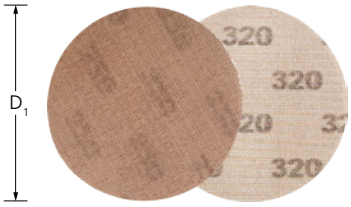
Ideal for very fine deburring and finishing work in hard-to-reach places. Recommended for work on very small holes, grooves and cut-outs in tool and die making.



Special features:
- Conforms to contours due to high flexibility.
- Low wear due to high tear strength and very high grain adhesion.
- The abrasive cord can be shortened to the required length.

Diameter [Inch]	Length [Yards]	Grit size		Item no.	EDP no.
Silicon carbide SiC					
0.02	16	200	1	45019001	49900
Aluminum oxide A					
0.03	16	200	1	45019002	49901
0.04	16	180	1	45019003	49902
0.06	16	150	1	45019004	49903
0.07	16	180	1	45019005	49904
0.08	16	120	1	45019006	49905

Hook and loop-backed abrasive discs



Aluminum oxide A

Hook and loop-backed abrasive discs in the NET type feature a netting fabric, to which the abrasive grain is bonded with a high-performance bond system, which makes it very durable. For dust-free, general grinding work on medium-sized and large surfaces.

Special features:
- Very long service life and high stock removal rate.
- Very fine, even surfaces can be achieved.
- Durable mesh structure with high tear resistance and edge stability.

D_1 [Inch]	Abrasive	Grit size		Item no.	EDP no.
5	A	80	25	45018001	47520
		100	25	45018002	47521
		120	25	45018003	47522
		150	25	45018004	47523
		180	25	45018005	47524

Continued on next page

Flexible abrasives
Hook and loop-backed abrasive discs

D_1 [Inch]	Abrasive	Grit size		Item no.	EDP no.
5	A	240	25	45018006	47525
		320	25	45018007	47526
		400	25	45018008	47527
		600	25	45018009	47528
		800	25	45018010	47529
		1000	25	45018011	47530
6	A	80	25	45018012	47531
		100	25	45018013	47532
		120	25	45018014	47533
		150	25	45018015	47534
		180	25	45018016	47535
		240	25	45018017	47536
		320	25	45018018	47537
		400	25	45018019	47538
		600	25	45018020	47539
		800	25	45018021	47540
		1000	25	45018022	47541

Abrasive spiral bands
General information

PFERD TOOLS

Quick product selection guide

Material group ▾			Abrasive ▸ Aluminum oxide A	Zirconia alumina Z	Zirconia alumina Z-COOL	Ceramic oxide grain CO-COOL	Silicon carbide SiC
Steel, cast steel	Non-hardened, non-heat-treated steels	Construction steels, carbon steels, tool steels, non-alloyed steels, cast steel	●	○		●	
	Hardened, heat-treated steels	Tool steels, tempering steels, alloyed steels, cast steel	○	●		●	
Stainless steel (INOX)	Rust and acidresistant steels	Austenitic and ferritic stainless steels		○	●	●	
Non-ferrous metals	Soft non-ferrous metals, non-ferrous metals	Soft aluminum alloys	○		○	○	
		Brass, copper, zinc	●	○	○		
	Hard non-ferrous metals	Hard aluminum alloys	●	○	○		○
		Bronze, titanium		○	●	●	●
	High-temperature-resistant materials	Nickel-based and cobalt-based alloys		○	●	●	
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite, with nodular graphite/ nodular cast iron, white annealed cast iron, black annealed cast iron	●	○			
Plastics, other materials		Fibre-reinforced plastics, thermoplastics, wood, chipboard, paint	●				●

● = highly recommended ○ = recommended

Safety notes

- The maximum permitted peripheral speed is 6,000 SFPM.
- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.
- Do not allow abrasive spiral bands to protrude beyond the rubber drum holder.

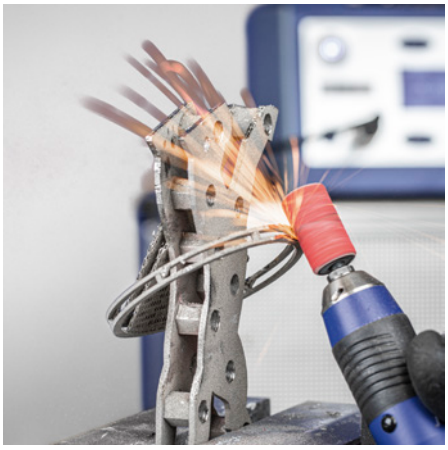
Wear eye protection!

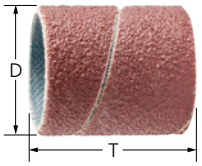
Wear hearing protection!

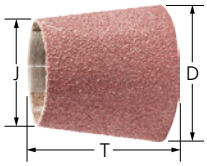
Wear gloves!

Wear a dust mask!

Follow the safety instructions!







Aluminum oxide A

For general applications from coarse to fine grinding. The package size is ideal for industrial requirements.

Special features:

- The abrasive spiral band is firmly held in place on the rubber drum holder as the holder expands during use. The rubber drum holder must be ordered separately.
- Outstanding service life due to a special manufacturing process – even under the toughest work conditions.
- Highest possible cost-effectiveness due to particularly high stock removal rate and aggressiveness of the abrasive.

D [Inch]	J [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
Cylindrical shape								
3/8	-	3/4	A	80	30,000 – 44,000	100	42202108	41022
				150	30,000 – 44,000	100	42202115	41023
				240	30,000 – 44,000	100	42202124	41024
1/2	-	1	A	80	30,000 – 44,000	100	42204108	41046
				150	30,000 – 44,000	100	42204115	41049
5/8	-	1-1/8	A	50	26,000 – 36,000	100	42206103	41068
				60	26,000 – 36,000	100	42206105	41069
				80	26,000 – 36,000	100	42206108	41070
				150	26,000 – 36,000	100	42206115	41072
				240	26,000 – 36,000	100	42206124	41074
3/4	-	1	A	60	20,000 – 30,000	100	42206505	41102
				80	20,000 – 30,000	100	42206508	41103
				150	20,000 – 30,000	100	42206515	41106
7/8	-	3/4	A	50	18,000 – 26,000	100	42207104	41131
				60	18,000 – 26,000	100	42207105	41132
				80	18,000 – 26,000	100	42207108	41133
				150	18,000 – 26,000	100	42207115	41135
				240	18,000 – 26,000	100	42207124	41137
1	-	1	A	60	16,000 – 22,900	100	42207505	41149
				80	16,000 – 22,900	100	42207508	41150
				150	16,000 – 22,900	100	42207515	41153
1-1/8	-	1-1/8	A	40	13,000 – 19,100	100	42209104	41190
				50	13,000 – 19,100	100	42209103	41191
				60	13,000 – 19,100	100	42209105	41192
				80	13,000 – 19,100	100	42209108	41193
				150	13,000 – 19,100	100	42209115	41195
				240	13,000 – 19,100	100	42209124	41197
1-1/2	-	1	A	40	10,000 – 15,900	100	42209504	41200
				60	10,000 – 15,900	100	42209505	41202
				80	10,000 – 15,900	100	42209508	41203
				150	10,000 – 15,900	100	42209515	41206
1-3/4	-	1-1/8	A	40	8,500 – 12,700	100	42210104	41238
				50	8,500 – 12,700	100	42210103	41239
				60	8,500 – 12,700	100	42210105	41240

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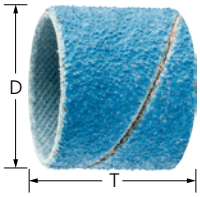
Abrasive spiral bands
Abrasive spiral bands

D [Inch]	J [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
1-3/4	-	1-1/8	A	80	8,500 – 12,700	100	42210108	41241
				150	8,500 – 12,700	100	42210115	41243
				240	8,500 – 12,700	100	42210124	41245
2	-	1	A	40	7,500 – 11,200	100	42210504	41248
				60	7,500 – 11,200	100	42210505	41250
				80	7,500 – 11,200	100	42210508	41251
				150	7,500 – 11,200	100	42210515	41254
2-3/8	-	1-1/8	A	40	6,500 – 9,500	100	42211104	41295
				50	6,500 – 9,500	100	42211103	41296
				60	6,500 – 9,500	100	42211105	41297
				80	6,500 – 9,500	100	42211108	41298
				150	6,500 – 9,500	100	42211115	41300
Tapered shape								
3/4	1/2	2-1/2	A	40	19,000 – 26,000	100	42214104	41350
				60	19,000 – 26,000	100	42214105	41351
				80	19,000 – 26,000	100	42214108	41352
				150	19,000 – 26,000	100	42214115	41353
1-1/8	7/8	1-3/16	A	40	13,000 – 19,100	100	42215104	41355
				60	13,000 – 19,100	100	42215105	41356
				80	13,000 – 19,100	100	42215108	41357
				150	13,000 – 19,100	100	42215115	41358
1-1/2	7/8	2-3/8	A	40	10,000 – 15,900	100	42216104	41360
				60	10,000 – 15,900	100	42216105	41361
				80	10,000 – 15,900	100	42216108	41362
				150	10,000 – 15,900	100	42216115	41363



Z-COOL / A-COOL zirconia alumina version

For coarse grinding work with a high stock removal rate and cool grinding. Active grinding additives in the coating substantially improve the stock removal rate, prevent clogging and result in cooler grinding. The package size is ideal for industrial requirements.

Special features:
- Abrasive spiral bands fit securely on the rubber drum holder as the holder expands during use. The rubber drum holder must be ordered separately.
- Outstanding service life due to a special manufacturing process – even under the toughest work conditions.
- Highest possible cost-effectiveness due to particularly high stock removal rate and aggressiveness of the abrasive.

D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
Cylindrical shape							
5/8	1-1/8	Z-COOL	50	26,000 – 36,000	100	42206183	41405
			80	26,000 – 36,000	100	42206188	41406
		Z-COOL / A-COOL	150	26,000 – 36,000	100	42206285	41407
7/8	3/4	Z-COOL	50	18,000 – 26,000	100	42207184	41408

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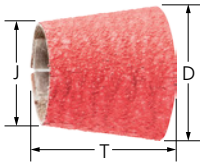
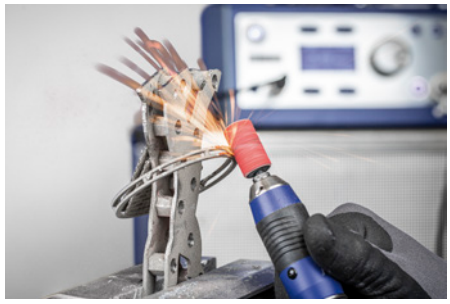
Abrasive spiral bands
Abrasive spiral bands

D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
7/8	3/4	Z-COOL	80	18,000 – 26,000	100	42207188	41409
		Z-COOL / A-COOL	150	18,000 – 26,000	100	42207285	41410
1-1/8	1-1/8	Z-COOL	36	13,000 – 19,100	100	42209182	41415
			50	13,000 – 19,100	100	42209183	41416
			80	13,000 – 19,100	100	42209188	41417
		Z-COOL / A-COOL	150	13,000 – 19,100	100	42209285	41418
1-3/4	1-1/8	Z-COOL	36	8,500 – 12,700	100	42210182	41419
			50	8,500 – 12,700	100	42210183	41420
			80	8,500 – 12,700	100	42210188	41421
		Z-COOL / A-COOL	150	8,500 – 12,700	100	42210285	41422
2-3/8	1-1/8	Z-COOL	36	6,500 – 9,500	100	42211182	41427
			50	6,500 – 9,500	100	42211183	41428
			80	6,500 – 9,500	100	42211188	41429
		Z-COOL / A-COOL	150	6,500 – 9,500	100	42211285	41430



Ceramic oxide grain CO-COOL

Consistently high performance and aggressive grinding due to self-sharpening ceramic oxide grain. Active grinding additives improve the stock removal rate, prevent clogging and result in cooler grinding. The package size is ideal for industrial requirements.

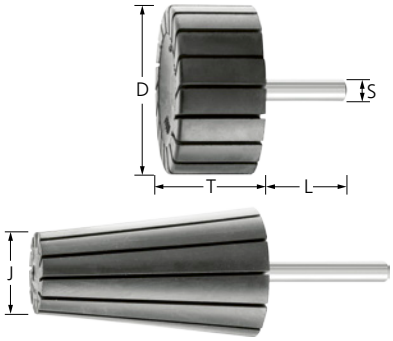


Special features:

- Abrasive spiral bands fit securely on the rubber drum holder as the holder expands during use. The rubber drum holder must be ordered separately.
- Outstanding service life due to a special manufacturing process – even under the toughest work conditions.
- Highest possible cost-effectiveness due to particularly high stock removal rate and aggressiveness of the abrasive.

D [Inch]	J [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
Tapered shape								
3/4	1/2	2-1/2	CO-COOL	36	19,000 – 26,000	100	42217182	41388
				60	19,000 – 26,000	100	42217183	41389
				80	19,000 – 26,000	100	42217184	41390
				120	19,000 – 26,000	100	42217185	41391
1-1/8	7/8	1-3/16	CO-COOL	36	13,000 – 19,100	100	42217186	41392
				60	13,000 – 19,100	100	42217187	41393
				80	13,000 – 19,100	100	42217188	41394
				120	13,000 – 19,100	100	42217189	41395
1-1/2	7/8	2-3/8	CO-COOL	36	10,000 – 15,900	100	42217190	41396
				60	10,000 – 15,900	100	42217191	41397
				80	10,000 – 15,900	100	42217192	41398
				120	10,000 – 15,900	100	42217193	41399

Abrasive spiral bands
Rubber drum holder



Conical and cylindrical

Matching holder for conical and cylindrical abrasive spiral bands. Rubber drum holders marked "H" are the harder type and permit grinding at higher contact pressure. They are exceptionally well-suited to work on weld seams.

Special features:

- Abrasive spiral bands fit securely on the rubber drum holder as the holder expands during use.
- Outstanding service life due to a special manufacturing process – even under the toughest work conditions.

D [Inch]	J [Inch]	T [Inch]	S [Inch]	L [Inch]	Max. RPM	Min. RPM		Item no.	EDP no.
Cylindrical shape									
3/8	-	3/4	1/4	1-5/8	44,000	30,000	5	47601137	41966
1/2	-	1	1/4	1-5/8	44,000	30,000	5	47601138	41970
5/8	-	1-1/6	1/4	1-5/8	36,000	26,000	5	47601139	41973
3/4	-	1	1/4	1-5/8	30,000	20,000	5	47601140	41976
7/8	-	3/4	1/4	1-5/8	26,000	18,000	5	47601141	41979
1	-	1	1/4	1-5/8	22,900	16,000	5	47601142	41982
1-1/8	-	1-1/6	1/4	1-1/4	19,100	13,000	5	47601143	41985
1-1/2	-	1	1/4	1-1/4	15,900	10,000	5	47601144	41988
1-3/4	-	1-1/6	1/4	1-1/4	12,700	8,500	5	47601145	41991
2	-	1	1/4	1-1/4	11,200	7,500	5	47601146	41994
2-3/8	-	1-1/6	1/4	1-1/4	9,500	6,500	5	47601147	41997
Tapered shape									
3/4	1/2	1-3/16	1/4	1-5/8	26,000	19,000	5	47601148	42005
1-1/8	7/8	1-1/6	1/4	1-5/8	19,100	13,000	5	47601149	42007
1-1/2	7/8	2-3/8	1/4	1-5/8	15,900	10,000	5	47601150	42006

Safety notes

- The maximum permitted peripheral speed is 2,300 SFPM.
- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.

Wear eye protection!

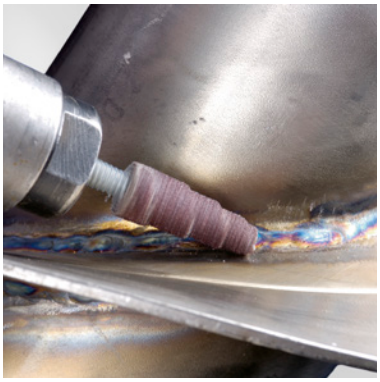
Wear hearing protection!

Wear gloves!

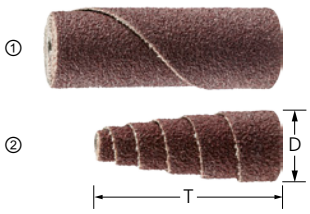
Wear a dust mask!

Follow the safety instructions!

Not permitted for wet grinding!



POLIROLL® cartridge rolls



Aluminum oxide A

They consist of spirally wound coated abrasives. The abrasive grain is embedded in the resinoid coating on the sturdy backing material, which achieves the best possible abrasive performance.

Special features:

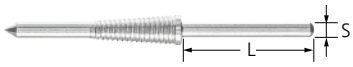
- Consistently high grinding performance due to self-sharpening abrasive grain.
- Secure fit of the POLIROLL® when in use due to self-tensioning provided by grooved, conical arbor. Easy cartridge changing.
- Please order compatible arbor separately.

D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
① Cylindrical shape									
1/4	1	A	60	20,000	25,000	47601170	50	47101122	41468
			80	20,000	25,000	47601170	50	47101123	41469
			120	20,000	25,000	47601170	50	47101125	41471
	1-1/2	A	60	20,000	25,000	47601161	50	47101129	41479
			80	20,000	25,000	47601161	50	47101130	41480
5/16	1-1/2	A	60	18,500	23,000	47601161	50	47101136	41512
3/8	1	A	60	16,000	24,000	47601170	50	47101140	41523
			80	16,000	24,000	47601170	50	47101141	41524
			120	16,000	24,000	47601170	50	47101143	41526
	1-1/2	A	60	16,000	24,000	47601161	50	47101144	41534
			80	16,000	24,000	47601161	50	*47101145*	41535
			120	16,000	24,000	47601161	50	47101147	41537
1/2	1	A	60	12,000	18,000	47601170	50	47101155	41567
			80	12,000	18,000	47601170	50	47101156	41568
	1-1/2	A	60	12,000	18,000	47601161	50	47101160	41589
			80	12,000	18,000	47601161	50	47101161	41590

Continued on next page

D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
1/2	1-1/2	A	120	12,000	18,000	47601161	50	*47101163*	41592
5/8	1-1/2	A	60	9,500	15,000	47601161	50	*47101171*	41633
			80	9,500	15,000	47601161	50	*47101172*	41634
			120	9,500	15,000	47601161	50	47101174	41636
3/4	1	A	120	8,000	12,000	47601170	50	*47101178*	41669
	1-1/2	A	60	8,000	12,000	47601163	50	*47101180*	41677
			80	8,000	12,000	47601163	50	47101181	41678
			120	8,000	12,000	47601163	50	*47101183*	41680
	2	A	60	8,000	12,000	47601164	50	*47101184*	41721
			80	8,000	12,000	47601164	50	47101185	41722
			120	8,000	12,000	47601164	50	*47101187*	41724
1	1-1/2	A	60	6,000	9,000	47601165	25	47101189	41743
			80	6,000	9,000	47601165	25	47101190	41744
	2	A	60	6,000	9,000	47601166	25	47101193	41776
② **Conical shape**									
3/8	1	A	60			47601170	50	*47101197*	41800
			80	16,000	24,000	47601170	50	47101198	41801
			120	16,000	24,000	47601170	50	47101199	41803
	1-1/2	A	60	16,000	24,000	47601161	50	47101201	41807
			80	16,000	24,000	47601161	50	47101202	41808
			120	16,000	24,000	47601161	50	47101203	41810
1/2	1-1/2	A	60	12,000	18,000	47601161	50	47101209	41827
			80	12,000	18,000	47601161	50	47101210	41828
			120	12,000	18,000	47601161	50	47101211	41830
	2	A	60	12,000	18,000	47601162	50	47101213	41837
			120	12,000	18,000	47601162	50	*47101215*	41840
3/4	1-1/2	A	80	8,000	12,000	47601163	50	47101217	41875

Drive arbor



Arbor

Tapered and untapered cartridge roll holders for POLIROLL cartridge rolls.

Special features:
- Roll can be changed without unclamping the arbor from the power tool collet.
- Arbors for POLIROLL cartridge rolls.

Suitable for arbor hole	S [Inch]	L [Inch]		Item no.	EDP no.
1/8	1/4	1	1	47601170	42060
				47601161	42061
				47601162	42062
3/16	1/4	1	1	47601163	42063
				47601164	42064
1/4	1/4	1	1	47601165	42066
				47601166	42067

Discontinued product

POLICAP®
General information

PFERD TOOLS

Quick product selection guide

Material group ▾			Abrasive ▸ Aluminum oxide A	Ceramic oxide grain CO-COOL	Silicon carbide SiC-COOL
Steel, cast steel	Non-hardened, non-heat-treated steels	Construction steels, carbon steels, tool steels, non-alloyed steels, cast steel	●	○	
	Hardened, heat-treated steels	Tool steels, tempering steels, alloyed steels, cast steel	○	●	
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels		●	
Non-ferrous metals	Soft non-ferrous metals, non-ferrous metals	Soft aluminum alloys	○	○	●
		Brass, copper, zinc	●		
	Hard non-ferrous metals	Hard aluminum alloys	○		●
		Bronze, titanium		○	●
	High-temperature-resistant materials	Nickel-based and cobalt-based alloys		●	
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite, with nodular graphite/nodular cast iron, white annealed cast iron, black annealed cast iron	●	○	
Plastics, other materials		Fibre-reinforced plastics, thermoplastics, wood, chipboard, paintwork	○		●

● = highly recommended ○ = recommended

Color code

POLICAP® abrasive caps are available in different types and with different grains.
- Silicon carbide SiC-COOL (grey)
- Ceramic oxide grain (CO-COOL) red
- Color code for the grit sizes for aluminum oxide A:
  60/80 brown
  150 black
  280 red-brown

Safety notes

- The maximum permitted peripheral speed is 5,500 SFPM.
- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.

Wear eye protection!

Wear hearing protection!

Wear gloves!

Wear a dust mask!

Follow the safety instructions!

A 60/80 A 150 A 280

Cylindrical, shape A

POLICAP® abrasive caps in cylindrical shape A with aluminum oxide A as the abrasive. They have a seamless design, and the entire surface can be used.

Special features:
- The abrasive caps are firmly held in place on the holder as the holder expands during use, plus easy product changing.
- Consistent shape accuracy and excellent fine grinding due to special manufacturing.
- Optimally matched, reusable holders are available. The holder must be ordered separately.

D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
3/16	3/8	A	80	40,000	50	42301051	46029
			150	40,000	50	42301052	46030
			280	40,000	50	42301053	46031
9/32	1/2	A	60	30,000	50	42301071	46032
			150	30,000	50	42301072	46033
			280	30,000	50	42301073	46034
3/8	5/8	A	60	20,000	50	42301101	46035
			150	20,000	50	42301102	46036
			280	20,000	50	42301103	46037
1/2	11/16	A	60	16,000	50	42301131	46065
			150	16,000	50	42301132	46066
			280	16,000	50	42301133	46067
5/8	1	A	60	12,000	50	42301161	46068
			150	12,000	50	42301162	46069
			280	12,000	50	42301163	46070

Matching POLICAP® abrasive cap holder in cylindrical shape A

Matching POLICAP® abrasive cap holder in cylindrical shape A

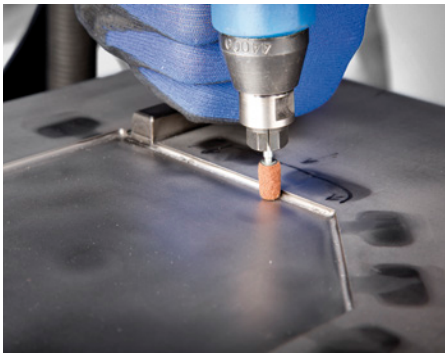
Cylindrical, shape A holders

Special features:
- Abrasive caps and cones fit securely on the holder as it expands during use.
- Easy product change.

D [Inch]	T [Inch]	S [Inch]	L [Inch]	Max. RPM		Item no.	EDP no.
3/16	3/8	1/8	1-1/4	95,000	5	42153000	42008
9/32	1/2	1/8	1-1/4	65,000	5	42153005	42009
3/8	3/5	1/8	1-1/4	45,000	5	42153010	42010
1/2	11/16	1/4	1-5/8	35,000	5	42154015	42021
5/8	1	1/4	1-5/8	30,000	5	42154020	42022

Cylindrical, shape A set

110-piece set of various POLICAP® abrasive caps with matching holders in cylindrical shape A.

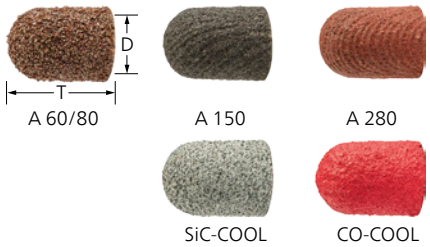


Contents:
105 pieces POLICAP® abrasive caps, 5 pieces POLICAP® abrasive cap holders.

Special features:
- Abrasive caps and cones fit securely on the holder as it expands during use.
- Consistent shape accuracy and excellent fine grinding due to special manufacturing.
- Easy product change.

Length [Inch]	Width [Inch]	Height [Inch]		Item no.	EDP no.
7	5-3/4	1-1/2	1	49601101	46093

POLICAP® Cylindrical with radius end, shape C



Cylindrical with radius end, shape C

POLICAP® abrasive caps in cylindrical shape with radius end. Available in aluminum oxide A, silicon carbide SiC-COOL and ceramic oxide grain CO-COOL. They have a seamless design, and the entire surface can be used.

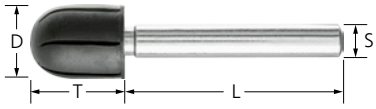
Special features:
- The abrasive caps are firmly held in place on the holder as the holder expands during use, plus easy product changing.
- Consistent shape accuracy and excellent fine grinding due to special manufacturing.
- Optimally matched, reusable holders are available. The holder must be ordered separately.

D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
Aluminum oxide A							
3/16	7/16	A	80	40,000	50	42302051	46038
			150	40,000	50	42302052	46039
			280	40,000	50	42302053	46040
9/32	1/2	A	60	30,000	50	42302071	46041
			150	30,000	50	42302072	46042
			280	30,000	50	42302073	46043
3/8	5/8	A	60	20,000	50	42302101	46044
			150	20,000	50	42302102	46045
			280	20,000	50	42302103	46046
1/2	11/16	A	60	16,000	50	42302131	46071
			150	16,000	50	42302132	46072

Continued on next page

D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
1/2	11/16	A	280	16,000	50	42302133	46073
5/8	1	A	60	12,000	50	42302161	46074
			150	12,000	50	42302162	46075
			280	12,000	50	42302163	46076
Silicon carbide SiC-COOL							
3/16	7/16	SiC-COOL	80	40,000	50	42302054	46101
			150	40,000	50	42302055	46102
9/32	1/2	SiC-COOL	80	30,000	50	42302074	46104
			150	30,000	50	42302075	46105
3/8	5/8	SiC-COOL	80	20,000	50	42302104	46107
			150	20,000	50	42302105	46108
1/2	11/16	SiC-COOL	80	16,000	50	42302134	46110
			150	16,000	50	42302135	46111
5/8	1	SiC-COOL	80	12,000	50	42302164	46113
			150	12,000	50	*42302165*	46114
CO-COOL							
3/16	7/16	CO-COOL	80	40,000	50	42302056	46116
			120	40,000	50	42302057	46117
9/32	1/2	CO-COOL	80	30,000	50	42302076	46119
			120	30,000	50	42302077	46120
3/8	5/8	CO-COOL	80	20,000	50	42302106	46122
			120	20,000	50	42302107	46123
1/2	11/16	CO-COOL	80	16,000	50	42302136	46125
			120	16,000	50	42302137	46126
5/8	1	CO-COOL	80	12,000	50	42302166	46128
			120	12,000	50	42302167	46129

Matching POLICAP® abrasive cap holder in cylindrical shape C with radius end



Matching POLICAP® abrasive cap holder in cylindrical shape C with radius end.

Cylindrical with radius end, shape C holders

Special features:
- Abrasive caps and cones fit securely on the holder as it expands during use.
- Easy product change.

D [Inch]	T [Inch]	S [Inch]	L [Inch]	Max. RPM		Item no.	EDP no.
3/16	7/16	1/8	1-1/4	95,000	5	42153100	42011
9/32	1/2	1/8	1-1/4	65,000	5	42153105	42012
3/8	5/8	1/8	1-1/4	45,000	5	42153110	42013
1/2	11/16	1/4	1-5/8	35,000	5	42154115	42023
5/8	1	1/4	1-5/8	30,000	5	42154120	42024

POLICAP®
POLICAP® set, cylindrical with radius end, shape C

Cylindrical with radius end, shape C set

110-piece set of various POLICAP® abrasive caps with matching holders in cylindrical shape C with radius end.

Contents:
105 pieces POLICAP® abrasive caps, 5 pieces POLICAP® abrasive cap holders, see table for details.

Special features:
- Abrasive caps and cones fit securely on the holder as it expands during use.
- Consistent shape accuracy and excellent fine grinding due to special manufacturing.
- Easy product change.

Length [Inch]	Width [Inch]	Height [Inch]		Item no.	EDP no.
7	5-3/4	1-1/2	1	49601103	46094

POLICAP® Cylindrical with pointed cone end, shape G

A 60/80 A 150 A 280

Cylindrical with pointed cone end, shape G

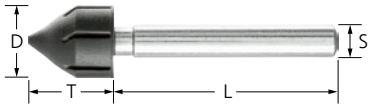
POLICAP® abrasive caps in tapered conical shape with radius end with aluminum oxide A as the abrasive. The taper angle of the cone is 30°. They have a seamless design, and the entire surface can be used. Optimally matched, reusable holders are available.

Special features:
- The abrasive caps are firmly held in place on the holder as the holder expands during use, plus easy product changing.
- Consistent shape accuracy and excellent fine grinding due to special manufacturing.
- Optimally matched, reusable holders are available. The holder must be ordered separately.

D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
3/16	7/16	A	80	40,000	50	42303051	46047
			150	40,000	50	42303052	46048
			280	40,000	50	42303053	46049
9/32	1/2	A	60	30,000	50	42303071	46050
			150	30,000	50	42303072	46051
			280	30,000	50	42303073	46052
3/8	5/8	A	60	20,000	50	42303101	46053
			150	20,000	50	42303102	46054
			280	20,000	50	42303103	46055
1/2	11/16	A	60	16,000	50	42303131	46077
			150	16,000	50	42303132	46078
			280	16,000	50	42303133	46079
5/8	1	A	60	12,000	50	42303161	46080
			150	12,000	50	42303162	46081
			280	12,000	50	42303163	46082

POLICAP®

Matching POLICAP® abrasive cap holder in tapered shape G with radius end



Matching POLICAP® abrasive cap holder in tapered shape G with radius end

Cylindrical with pointed cone end, shape G holders.

Special features:
- Abrasive caps and cones fit securely on the holder as it expands during use.
- Easy product change.

D [Inch]	T [Inch]	S [Inch]	L [Inch]	Max. RPM		Item no.	EDP no.
3/16	7/16	1/8	1-1/4	95,000	5	42153200	42014
9/32	1/2	1/8	1-1/4	65,000	5	42153205	42015
3/8	5/8	1/8	1-1/4	45,000	5	42153210	42016
1/2	11/16	1/4	1-5/8	35,000	5	42154215	42025
5/8	1	1/4	1-5/8	30,000	5	42154220	42026

POLICAP® set, cylindrical with pointed cone end, shape G

Cylindrical with pointed cone end, shape G set

110-piece set of various POLICAP® abrasive caps with matching holders in tapered conical shape G with radius end.

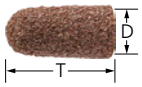
Contents:
105 pieces POLICAP® abrasive caps, 5 pieces POLICAP® abrasive cap holders. See PFERD TOOLS website for details.

Special features:
- Abrasive caps and cones fit securely on the holder as it expands during use.
- Consistent shape accuracy and excellent fine grinding due to special manufacturing.
- Easy product change.

Length [Inch]	Width [Inch]	Height [Inch]		Item no.	EDP no.
7	5-3/4	1-1/2	1	49601107	46095

POLICAP®

POLICAP® Tapered with radius end, shape L



A 60/80

A 150

A 280

SiC-COOL

CO-COOL

Tapered with radius end, shape L

POLICAP® abrasive caps in conical shape with radius end. Available in aluminum oxide A, silicon carbide SiC-COOL and ceramic oxide grain CO-COOL. They have a seamless design and the entire tool surface can be used. Optimally matched, reusable holders are available.

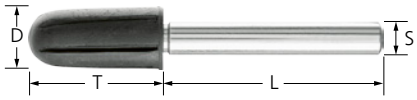
Special features:

- The abrasive caps are firmly held in place on the holder as the holder expands during use, plus easy product changing.
- Consistent shape accuracy and excellent fine grinding due to special manufacturing.
- Optimally matched, reusable holders are available. The holder must be ordered separately.

D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
Aluminum oxide A							
1/4	5/8	A	80	40,000	50	42306051	46083
			150	40,000	50	42306052	46084
			280	40,000	50	42306053	46085
7/16	1	A	60	20,000	50	42306111	46056
			150	20,000	50	42306112	46057
			280	20,000	50	42306113	46058
5/8	1-1/4	A	60	12,000	50	42306161	46059
			150	12,000	50	42306162	46060
			280	12,000	50	42306163	46061
27/32	1-9/16	A	60	9,500	50	42306211	46062
			150	9,500	50	42306212	46063
			280	9,500	50	42306213	46064
Silicon carbide SiC-COOL							
1/4	5/8	SiC-COOL	80	40,000	50	42306054	46131
			150	40,000	50	42306055	46132
7/16	1	SiC-COOL	80	20,000	50	42306114	46134
			150	20,000	50	42306115	46135
5/8	1-1/4	SiC-COOL	80	12,000	50	42306164	46137
			150	12,000	50	42306165	46138
27/32	1-9/16	SiC-COOL	80	9,500	50	42306214	46140
			150	9,500	50	42306215	46141
CO-COOL							
1/4	5/8	CO-COOL	80	40,000	50	42306056	46143
			120	40,000	50	42306057	46144
7/16	1	CO-COOL	80	20,000	50	42306116	46146
			120	20,000	50	42306117	46147
5/8	1-1/4	CO-COOL	80	12,000	50	42306166	46149
			120	12,000	50	42306167	46150
27/32	1-9/16	CO-COOL	80	9,500	50	42306216	46152
			120	9,500	50	42306217	46153

POLICAP®

Matching POLICAP® abrasive cap holder in conical shape L with radius end



Matching POLICAP® abrasive cap holder in conical shape L with radius end

Tapered with radius end, shape L holders

Special features:
- Abrasive caps and cones fit securely on the holder as it expands during use.
- Easy product change.

D [Inch]	T [Inch]	S [Inch]	L [Inch]	Max. RPM		Item no.	EDP no.
1/4	5/8	1/4	1-5/8	95,000	5	42154400	42017
7/16	1	1/4	1-5/8	40,000	5	42154410	42018
5/8	1-1/4	1/4	1-5/8	30,000	5	42154420	42019
27/32	1-9/16	1/4	1-5/8	20,000	5	42154430	42020

POLICAP® sets

SET PCS 650

Set of various POLICAP® abrasive caps with matching holder in sturdy, reusable packaging.

Contents:
640 pieces POLICAP® abrasive caps: 10 pieces POLICAP® abrasive cap holders (see table for details)

one each of the following POLICAP® abrasive cap holders: PCT ZYA 0510/3, PCT ZYA 0712/3, PCT ZYA 1015/3, PCT ZYA 1317/6, PCT ZYA 1626/6, PCT WKG 0511/3, PCT WKG 0713/3, PCT WKG 1015/3, PCT WKG 1317/6 and PCT WKG 1626/6.

Special features:
- Abrasive caps and cones fit securely on the holder as it expands during use.
- Consistent shape accuracy and excellent fine grinding due to special manufacturing.
- Easy product change.

Length [Inch]	Width [Inch]	Height [Inch]		Item no.	EDP no.
13	9-1/4	2	1	49606500	46091

SET PCS 285

Set of various POLICAP® abrasive caps with matching holder in sturdy, reusable packaging.

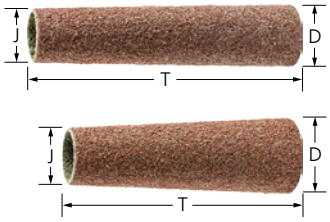
Contents:
Six each of POLICAP® abrasive caps in shape A - EDP 46029, 46030, 46031, 46032, 46033, 46034, 46035, 46036, 46037, 46065, 46066, 46067, 46068, 46069, 46070,. Six each of POLICAP® abrasive caps in shape C - EDP 46038, 46039, 46040, 46041, 46042, 46043, 46044, 46045, 46046, 46071, 46072, 46073, 46074, 46075, 46076. Six each of POLICAP abrasive caps in shape G - EDP 46047, 46048, 46049, 46050, 46051, 46052, 46053, 46054, 46055, 46077, 46078, 46079, 46080, 46081, 46082.

One each of POLICAP® abrasive caps holder - EDP 42011, 42012, 42013, 42014, 42015, 42016, 42023, 42024, 42025, 42026.

Special features:
- Abrasive caps and cones fit securely on the holder as it expands during use.
- Consistent shape accuracy and excellent fine grinding due to special manufacturing.
- Easy product change.

Length [Inch]	Width [Inch]	Height [Inch]		Item no.	EDP no.
13	9-1/4	2	1	47101038	46090

POLICAP® abrasive cones, conical shape L



Abrasive cones, conical shape L

POLICAP® abrasive cones in conical shape with aluminum oxide A. They have a seamless design and the entire tool surface can be used. Optimally matched, reusable holders are available.

Special features:
- The abrasive caps are firmly held in place on the holder as the holder expands during use, plus easy product changing.
- Consistent shape accuracy and excellent fine grinding due to special manufacturing.
- Optimally matched, reusable holders are available. The holder must be ordered separately.

D [Inch]	J [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM		Item no.	EDP no.
9/32	3/16	3-3/8	A	60	12,000	10	42330052	46008
				150	12,000	10	42330054	46009
				280	12,000	10	42330056	46010
1/2	7/16	3-3/8	A	60	12,000	10	42330112	46011
				150	12,000	10	42330114	46012
3/4	1/2	2-1/2	A	60	18,500	10	42333012	46020
				150	18,500	10	42333014	46021
	5/8	3-3/8	A	60	12,000	10	42330162	46014
				150	12,000	10	42330164	46015
15/16	3/4	3-3/8	A	60	12,000	10	42330212	46017
				150	12,000	10	42330214	46018
1-3/8	7/8	2-3/8	A	60	13,000	10	42333212	46023

POLICAP®

Matching POLICAP® abrasive cap holder in conical shape L with radius end

Matching POLICAP® rubber abrasive tapered cone holder, cylindrical shape L

Matching POLICAP® abrasive cap holder in conical shape L with radius end.

Special features:

- Abrasive caps and cones fit securely on the holder as it expands during use.

D [Inch]	T [Inch]	S [Inch]	L [Inch]	Max. RPM		Item no.	EDP no.
5/16	3-3/8	1/4	1-5/8	20,000	5	42154405	42001
1/2	3-3/8	1/4	1-5/8	15,000	5	42154415	42002
3/4	3-3/8	1/4	1-5/8	13,000	5	42154425	42003
7/8	3-3/8	1/4	1-5/8	12,000	5	42154435	42004

Flap wheels
General information

PFERD TOOLS

Quick product selection guide

Material group ▾			Abrasive ▸ Aluminum oxide A	Zirconia alumina Z-COOL	Ceramic oxide grain CO-COOL	Silicon carbide SiC-COOL
Steel, cast steel	Non-hardened, non-heat-treated steels	Construction steels, carbon steels, tool steels, non-alloyed steels, cast steel	●	○	○	
	Hardened, heat-treated steels	Tool steels, tempering steels, alloyed steels, cast steel	○	●	●	
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels		●	●	
Non-ferrous metals	Soft non-ferrous metals, non-ferrous metals	Soft aluminum alloys	○			●
		Brass, copper, zinc	●	○	○	
	Hard non-ferrous metals	Hard aluminum alloys	○			●
		Bronze, titanium		○	○	●
	High-temperature-resistant materials	Nickel-based and cobalt-based alloys		○	●	
Cast iron	Grey cast iron, white cast iron	Cast iron with flake graphite, with nodular graphite/ nodular cast iron, white annealed cast iron, black annealed cast iron	●	○	●	
Plastics, other materials		Fibre-reinforced plastics, thermoplastics, wood, chipboard, paint	○			●

● = highly recommended ○ = recommended

4

Mounted flap wheels

Safety notes

- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.
- The contact pressure has to be reduced significantly when the optimum rotational speed is exceeded.
- Safety is only guaranteed when: The clamping depth is at least 5/8. The specified maximum rotational speed is not exceeded with unsupported shank lengths.

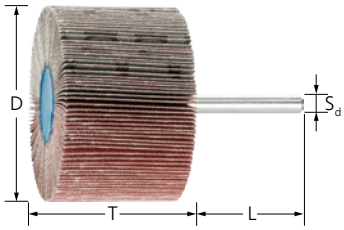
Wear eye protection!

Wear hearing protection!

Wear gloves!

Wear a dust mask!

Follow the safety instructions!



Aluminum oxide A

The flaps made of coated abrasive are arranged radially around the axis in a fan-type structure. For general applications from coarse to fine grinding.

Special features:
- Conforms to contours due to high flexibility.
- Consistently high stock removal rate throughout the entire service life as new, aggressive abrasive is constantly exposed.
- Can be used face-down very close to edges and in corners due to the flat, molded-core design.

S_d [Inch]	L [Inch]	D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
1/8	1-1/2	3/8	3/8	A	60	38,000	75,000	10	47802433	45070
					80	38,000	75,000	10	47802434	45071
					120	38,000	75,000	10	47802435	45072
					180	38,000	75,000	10	47802436	45074
			5/8	A	60	38,000	75,000	10	47802439	45077
					80	38,000	75,000	10	47802440	45078
					120	38,000	75,000	10	*47802441*	45079
					240	38,000	75,000	10	47802443	45082
		5/8	3/8	A	60	25,000	50,000	10	47802451	45091
					80	25,000	50,000	10	47802452	45092
					120	25,000	50,000	10	47802453	45093
					180	25,000	50,000	10	*47802454*	45095
					240	25,000	50,000	10	*47802455*	45096
			5/8	A	60	25,000	50,000	10	47802457	45098
					80	25,000	50,000	10	47802458	45099
					120	25,000	50,000	10	47802459	45100
					180	25,000	50,000	10	47802460	45102
					240	25,000	50,000	10	47802461	45103
		3/4	3/8	A	60	19,000	38,100	10	47801641	45154
					80	19,000	38,100	10	47801642	45155
					120	19,000	38,100	10	47801643	45156
					180	19,000	38,100	10	*47801644*	45157
					240	19,000	38,100	10	*47802540*	45158
		1	1	A	60	15,000	25,400	10	*47801257*	45178
					120	15,000	25,400	10	*47801259*	45180
		1-3/16	3/8	A	60	12,000	25,400	10	47801280	45013
					80	12,000	25,400	10	47801281	45014
1/4	1-1/2	3/4	3/8	A	60	19,000	38,100	10	47801645	45160
					80	19,000	38,100	10	47801646	45161
					120	19,000	38,100	10	47801647	45162
		1	5/8	A	60	15,000	25,000	10	47801246	45172
					80	15,000	25,000	10	47801247	45173
					120	15,000	25,000	10	47801248	45174
			1	A	40	15,000	25,000	10	47801659	45463
					60	15,000	25,000	10	47801263	45184
					80	15,000	25,000	10	47801264	45185

Continued on next page

Discontinued product

Flap wheels
Mounted flap wheels

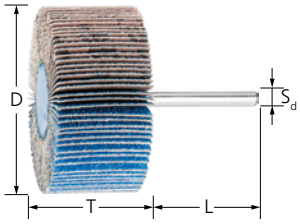
PFERD TOOLS

S_d [Inch]	L [Inch]	D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
1/4	1-1/2	1	1	A	120	15,000	25,000	10	47801265	45186
					180	15,000	25,000	10	47801596	45187
					240	15,000	25,000	10	47801267	45188
					320	15,000	25,000	10	47801268	45189
		1-3/16	1/4	A	60	12,000	25,000	10	47801275	45007
					80	12,000	25,000	10	47801276	45008
					120	12,000	25,000	10	47801277	45009
		1-3/8	5/8	A	60	10,900	23,000	10	47801286	45226
					80	10,900	23,000	10	47801287	45227
					120	10,900	23,000	10	47801288	45228
					240	10,900	23,000	10	*47801289*	45230
		1-1/2	1/2	A	40	9,600	23,000	10	47800149	45244
					60	9,600	23,000	10	47801294	45245
					80	9,600	23,000	10	47801295	45246
					120	9,600	23,000	10	47801296	45247
			1	A	60	9,600	23,000	10	47801304	45232
					80	9,600	23,000	10	47801305	45233
					120	9,600	23,000	10	47801306	45234
					180	9,600	23,000	10	47801601	45235
					240	9,600	23,000	10	47801308	45236
					320	9,600	23,000	10	47801309	45237
		2	1/2	A	60	7,000	23,000	10	47801316	45251
					80	7,000	23,000	10	47801317	45252
					120	7,000	23,000	10	47801318	45253
			3/4	A	60	7,000	23,000	10	47801358	45258
					80	7,000	23,000	10	47801359	45259
					120	7,000	23,000	10	47801360	45260
			1	A	40	7,000	23,000	10	47801326	45461
					60	7,000	23,000	10	47801327	45238
					80	7,000	23,000	10	47801328	45239
					120	7,000	23,000	10	47801329	45240
					180	7,000	23,000	10	47801330	45241
					240	7,000	23,000	10	47801331	45242
					320	7,000	23,000	10	47801332	45243
			1-1/2	A	60	7,000	15,000	10	47801349	45190
					80	7,000	15,000	10	47801350	45191
					120	7,000	15,000	10	47801351	45192
		2-1/2	1/2	A	60	6,300	23,000	10	*47801364*	45264
					120	6,300	23,000	10	47801366	45266
			1	A	40	6,300	23,000	10	47800150	45305
					60	6,300	23,000	10	47801375	45270
					80	6,300	23,000	10	47801376	45271
					120	6,300	23,000	10	47801377	45272
					180	6,300	23,000	10	47801604	45273
					320	6,300	23,000	10	47801380	45275
			1-1/2	A	40	6,300	13,000	10	47800151	45306
					60	6,300	13,000	10	47801387	45276
					80	6,300	13,000	10	47801388	45277
					120	6,300	13,000	10	47801389	45278

Continued on next page

Discontinued product

S_d [Inch]	L [Inch]	D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
1/4	1-1/2	3	1/2	A	40	4,800	20,000	10	47800152	45220
					60	4,800	20,000	10	47801390	45196
					80	4,800	20,000	10	47801391	45197
					120	4,800	20,000	10	47801392	45198
			1	A	40	4,800	20,000	10	47801409	45462
					60	4,800	20,000	10	47801410	45208
					80	4,800	20,000	10	47801411	45209
					120	4,800	20,000	10	47801412	45210
					180	4,800	20,000	10	47801413	45211
					240	4,800	20,000	10	47801414	45212
			2	A	60	4,800	6,000	10	47801428	45214
					80	4,800	6,000	10	47801429	45215
					120	4,800	6,000	10	47801430	45216



Zirconia alumina Z-COOL

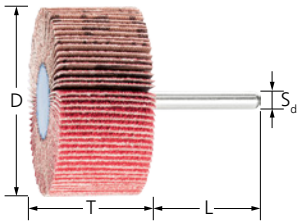
The flaps made of coated abrasive are arranged radially around the axis in a fan-type structure. For coarse grinding work with a high stock removal rate. Active grinding additives substantially improve the stock removal rate, prevent clogging and result in cooler grinding.

Special features:
- Conforms to contours due to high flexibility.
- Consistently high stock removal rate throughout the entire service life as new, aggressive abrasive is constantly exposed.
- Can be used face-down very close to edges and in corners due to the flat, molded-core design.

S_d [Inch]	L [Inch]	D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
1/4	1-1/2	1	1	Z-COOL	60	15,000	25,000	10	47801655	45465
					80	15,000	25,000	10	47801656	45466
					120	15,000	25,000	10	*47801657*	45467
		1-1/2	1	Z-COOL	60	9,600	25,000	10	47801314	45469
					80	9,600	25,000	10	47801315	45470
					120	9,600	25,000	10	47801650	45471
		2	1	Z-COOL	60	7,000	23,000	10	47801343	45473
					80	7,000	23,000	10	47801344	45474
		2-1/2	1	Z-COOL	60	7,000	23,000	10	47801651	45477
			1-1/2	Z-COOL	60	6,300	13,000	10	47800168	45488
					80	6,300	13,000	10	47800169	45489
					120	6,300	13,000	10	47800170	45490
		3	1/2	Z-COOL	60	4,800	20,000	10	47800171	45497
					80	4,800	20,000	10	47800172	45498
					120	4,800	20,000	10	47800173	45499
			1	Z-COOL	60	4,800	20,000	10	47801426	45481
					80	4,800	20,000	10	47801427	45482

Discontinued product

Flap wheels
Mounted flap wheels

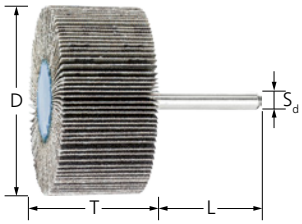


Ceramic oxide grain CO-COOL

The ideal flap wheel for use on angle grinders in assembly shop operations. For aggressive grinding with maximum stock removal rate on hard materials which do not conduct heat well. Consistently high performance due to self-sharpening ceramic oxide grain. Active grinding additives in the coating substantially improve the stock removal rate, prevent loading and result in cooler grinding.

Special features:
- Conforms to contours due to high flexibility.
- Consistently high stock removal rate throughout the entire service life as new, aggressive abrasive is constantly exposed.
- Can be used face-down very close to edges and in corners due to the flat, molded-core design.

S_d [Inch]	L [Inch]	D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
1/8	1-1/2	5/8	3/8	CO-COOL	60	25,000	50,000	10	47800206	45585
					80	25,000	50,000	10	47800207	45586
					120	25,000	50,000	10	47800208	45587
			5/8	CO-COOL	60	25,000	50,000	10	47800209	45588
					80	25,000	50,000	10	47800210	45589
					120	25,000	50,000	10	47800211	45590
1/4	1-1/2	1	1	CO-COOL	40	15,000	25,000	10	47802674	45279
					60	15,000	25,000	10	47802675	45280
					80	15,000	25,000	10	47802676	45281
					120	15,000	25,000	10	47802677	45282
		1-1/2	1	CO-COOL	40	9,600	25,000	10	47802678	45284
					60	9,600	25,000	10	47802679	45285
					80	9,600	25,000	10	47802680	45286
					120	9,600	25,000	10	47802681	45287
		2	1	CO-COOL	40	7,000	23,000	10	47802682	45289
					60	7,000	23,000	10	47802683	45290
					80	7,000	23,000	10	47802684	45291
					120	7,000	23,000	10	47802685	45292
		2-1/2	1	CO-COOL	40	7,000	23,000	10	47800156	45434
					60	7,000	23,000	10	47800157	45435
					80	7,000	23,000	10	47800158	45436
					120	7,000	23,000	10	47800159	45437
			1-1/2	CO-COOL	40	6,300	13,000	10	47800160	45443
					60	6,300	13,000	10	47800161	45444
					80	6,300	13,000	10	47800162	45445
					120	6,300	13,000	10	47800163	45446
		3	1/2	CO-COOL	40	4,800	20,000	10	47800164	45456
					60	4,800	20,000	10	47800165	45457
					80	4,800	20,000	10	47800166	45458
					120	4,800	20,000	10	47800167	45459
			1	CO-COOL	40	4,800	20,000	10	47802804	45294
					60	4,800	20,000	10	47802805	45295
					80	4,800	20,000	10	47802806	45296
					120	4,800	20,000	10	47802807	45297



Silicon carbide SiC

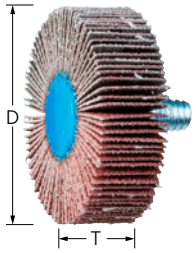
The flaps made of coated abrasive are arranged radially around the axis in a fan-type structure. For universal grinding work on components made from aluminum, copper, bronze, titanium and fibre-reinforced plastics. Particularly recommended for use on titanium alloys. Ideally suited to use in the aeronautical industry, especially where SiC is the only approved abrasive, e.g. for use on engine components.

Special features:

- Conforms to contours due to high flexibility.
- Consistently high stock removal rate throughout the entire service life as new, aggressive abrasive is constantly exposed.
- Can be used face-down very close to edges and in corners due to the flat, molded-core design.

S_d [Inch]	L [Inch]	D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
1/4	1-1/2	1	1/2	SiC	60	15,000	25,000	10	47800174	45415
					80	15,000	25,000	10	47800175	45416
			1	SiC	60	15,000	25,000	10	47801672	45485
					80	15,000	25,000	10	47801673	45486
					120	15,000	25,000	10	47801674	45487
		2	1/2	SiC	60	7,000	23,000	10	47800177	45426
					80	7,000	23,000	10	47800178	45427
					120	7,000	23,000	10	47800179	45428
			1	SiC	60	7,000	23,000	10	47801340	45491
					80	7,000	23,000	10	47801341	45492
					120	7,000	23,000	10	47801342	45493
		3	1/2	SiC	60	4,800	20,000	10	47800180	45429
					80	4,800	20,000	10	47800181	45438
					120	4,800	20,000	10	47800182	45439
			1	SiC	60	4,800	20,000	10	47801423	45494
					80	4,800	20,000	10	47801424	45495
					120	4,800	20,000	10	47801425	45496

Flap wheels
Threaded mounted flap wheel



Aluminum oxide A

The flaps made of coated abrasive are arranged radially around the axis in a fan-type structure. For general applications from coarse to fine grinding.

Special features:
- Conforms to contours due to high flexibility.
- Consistently high stock removal rate throughout the entire service life as new, aggressive abrasive is constantly exposed.
- Can be used face-down very close to edges and in corners due to the flat, molded-core design.

D [Inch]	T [Inch]	Thread	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
1	5/8	1/4-20	A	60	15,000	25,000	10	47801252	45300
				80	15,000	25,000	10	47801253	45301
				120	15,000	25,000	10	47801254	45302
	1	1/4-20	A	40	15,000	25,000	10	47800153	45316
				60	15,000	25,000	10	47801269	45310
				80	15,000	25,000	10	47801270	45311
				120	15,000	25,000	10	47801271	45312
				180	15,000	25,000	10	47801272	45313
				240	15,000	25,000	10	47801273	45314
1-1/2	1/2	1/4-20	A	60	9,600	23,000	10	47801300	45330
				80	9,600	23,000	10	47801301	45331
				120	9,600	23,000	10	47801302	45332
	1	1/4-20	A	40	9,600	23,000	10	47800155	45318
				60	9,600	23,000	10	47801310	45340
				80	9,600	23,000	10	47801311	45341
				120	9,600	23,000	10	47801312	45342
2	1/2	1/4-20	A	60	7,000	23,000	10	47801322	45350
				80	7,000	23,000	10	47801323	45351
				120	7,000	23,000	10	47801324	45352
	1	1/4-20	A	40	7,000	23,000	10	47801333	45369
				60	7,000	23,000	10	47801334	45370
				80	7,000	23,000	10	47801335	45371
				120	7,000	23,000	10	47801336	45372
				180	7,000	23,000	10	47801337	45373
				240	7,000	23,000	10	47801338	45374
2-1/2	1/2	1/4-20	A	60	6,300	23,000	10	47801370	45410
				80	6,300	23,000	10	47801371	45411
	1	1/4-20	A	120	6,300	23,000	10	*47801383*	45422
3	1/2	1/4-20	A	40	4,800	20,000	10	47800154	45317
				60	4,800	20,000	10	47801396	45430
				80	4,800	20,000	10	47801397	45431
				120	4,800	20,000	10	47801398	45432
	1	1/4-20	A	40	4,800	20,000	10	47801416	45449
				60	4,800	20,000	10	47801417	45450
				80	4,800	20,000	10	47801418	45451
				120	4,800	20,000	10	47801419	45452
				180	4,800	20,000	10	47801420	45453

Discontinued product

Threaded shank adapter

Shank adapter for mounted flap wheels with male thread 1/4-20.

S [Inch]		Item no.	EDP no.
1/4	1	47601300	49986
	10	33700150	45299

Mounted flap wheel – bore polisher

Aluminum oxide A

The flaps made of coated abrasive are arranged radially around the axis in a fan-type structure. The open structure of the tool ensures flexibility and enables grinding even in small bores. Designed for fine grinding.

Special features:
- Produces uniform surfaces, even in small holes.
- Conforms to contours due to high flexibility.
- Consistently high stock removal rate throughout the entire service life as new, aggressive abrasive is constantly exposed.

S_d [Inch]	L [Inch]	D [Inch]	T [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
1/4	2-3/8	5/8	3/4	A	120	25,400	31,800	10	47803433	46410
					150	25,400	31,800	10	47803434	46411
		3/4	3/4	A	120	19,100	23,800	10	47803435	46412
					150	19,100	23,800	10	47803436	46413
		1	3/4	A	120	15,000	19,100	10	47803437	46414
					150	15,000	19,100	10	47803438	46415
		1-1/8	3/4	A	120	12,700	15,900	10	47803439	46416
					150	12,700	15,900	10	47803440	46417

Unmounted flap wheels and accessories

Safety notes

- Unmounted flap wheels should only be used with the appropriate clamping flanges.
- The maximum permitted peripheral speed is defined as follows: Unmounted flap wheels = 9,800 SFPM; Unmounted flap wheels for angle grinders = 15,800 SFPM; Flap drums = 6,300 SFPM
- The contact pressure has to be reduced significantly when the optimum rotational speed is exceeded.
- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.

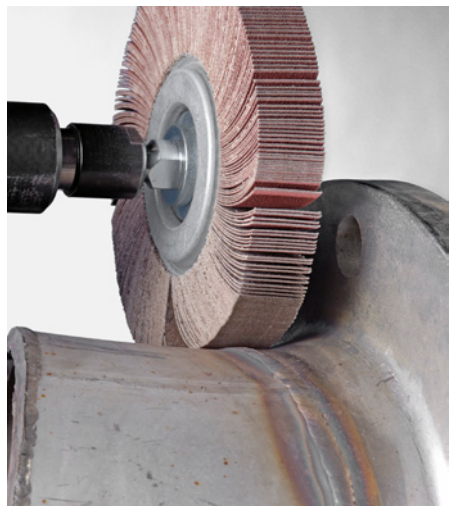
Wear eye protection!

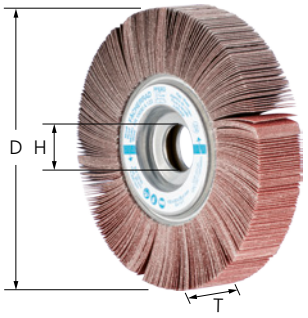
Wear hearing protection!

Wear gloves!

Wear a dust mask!

Follow the safety instructions!



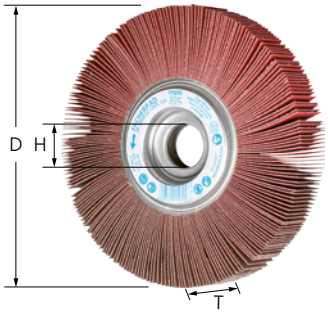


Aluminum oxide A

The flaps made of coated abrasive are arranged radially around the axis in a fan-type structure. For general applications from coarse to fine grinding.

Special features:
- Optimum adaptation to contours due to high flexibility. Face-down use very close to edges and in corners is possible due to the special clamping system.
- Consistently high stock removal rate throughout the entire service life as new, aggressive abrasive is constantly exposed.
- Please order compatible arbor separately.

D [Inch]	T [Inch]	H [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4	1	1	A	40	5,500	9,500	2	44710041	45530
				60	5,500	9,500	2	44710061	45532
				80	5,500	9,500	2	44710081	45533
				120	5,500	9,500	2	44710121	45535
	2	1	A	60	5,500	9,500	2	44712061	45552
				80	5,500	9,500	2	44712081	45553
				120	5,500	9,500	2	44712121	45555
6	1	1	A	40	3,500	6,300	2	44724040	45600
				60	3,500	6,300	2	44724060	45602
				80	3,500	6,300	2	44724080	45603
				120	3,500	6,300	2	44724120	45605
				180	3,500	6,300	2	47801926	45607
	1-1/2	1	A	40	3,500	6,300	2	47801929	45610
				60	3,500	6,300	2	47802109	45612
	2	1	A	40	3,500	6,300	2	44726040	45620
				60	3,500	6,300	2	44726060	45622
				80	3,500	6,300	2	44726080	45623
				120	3,500	6,300	2	44726120	45625
				180	3,500	6,300	2	47802429	45626
				240	3,500	6,300	2	44726240	45627
8	1	1-3/4	A	60	2,600	4,700	2	44736061	45642
				80	2,600	4,700	2	44736081	45643
				120	2,600	4,700	2	44736121	45645
	2	1-3/4	A	60	2,600	4,700	2	44738061	45652
				80	2,600	4,700	2	44738081	45653
				120	2,600	4,700	2	44738121	45655



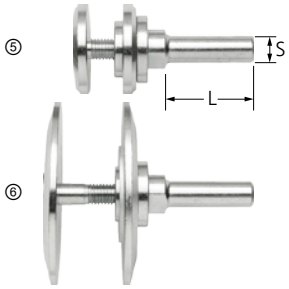
Ceramic oxide grain CO-COOL

For aggressive grinding with maximum stock removal rate on hard materials which do not conduct heat well. Consistently high performance due to self-sharpening ceramic oxide grain. Active grinding additives in the coating substantially improve the stock removal rate, prevent loading and result in cooler grinding.

Special features:
- Optimum adaptation to contours due to high flexibility. Face-down use very close to edges and in corners is possible due to the special clamping system.
- Consistently high stock removal rate throughout the entire service life as new, aggressive abrasive is constantly exposed.
- Please order compatible arbor separately.

D [Inch]	T [Inch]	H [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
6	1	1	CO-COOL	40	3,500	6,300	2	44725204	45840
				60	3,500	6,300	2	44725206	45841
				80	3,500	6,300	2	44725208	45842
				120	3,500	6,300	2	44725212	45843
	2	1	CO-COOL	40	3,500	6,300	2	44727204	45844
				60	3,500	6,300	2	44727206	45845

Arbor

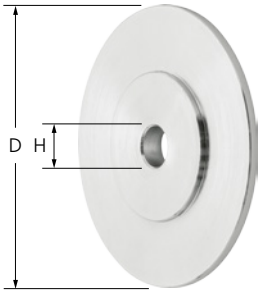


Clamping flanges for unmounted flap wheels

For mounting PFERD TOOLS unmounted flap wheels. The clamping flanges are designed to lie countersunk in the wheel.

Special features:
- Can be used face-down very close to edges and in corners thanks to special clamping system.

Image	Suitable for tool diameter [Inch]	Suitable for hole diameter [Inch]	S [Inch]	L [Inch]	Clamping width [Inch]		Item no.	EDP no.
⑤	4–6	1	1/2	1-1/2	1 – 2	1	47601151	45714
⑥	8–10	1-3/4	1/2	1-1/2	1 – 3	1	47601152	45715



Reducing flanges for unmounted flap wheels

For mounting unmounted flap wheels and POLINOX® grinding wheels on drive spindles. The clamping flanges are designed to lie countersunk in the tool.

Special features:
- Can be used face-down very close to edges and in corners thanks to special clamping system.
- Can be adapted to an existing drive spindle by drilling.

Suitable for tool diameter [Inch]	D [Inch]	H [Inch]	Max. H [Inch]		Item no.	EDP no.
4–6	1-1/2	1/2	7/8	1	47601153	45720
		5/8	7/8	1	47601154	45721
		3/4	7/8	1	47601155	45722
8–10	3-5/32	1/2	1-1/2	1	47601156	45725
		5/8	1-1/2	1	47601157	45726
		3/4	1-1/2	1	47601158	45727
		1	1-1/2	1	47601159	45728

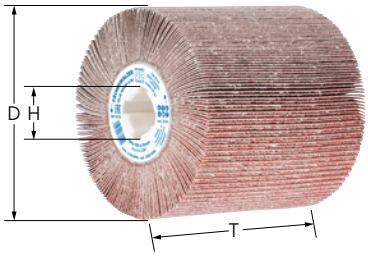
Flap wheels for angle grinders

Aluminum oxide A

The flaps made of coated abrasive are arranged radially around the axis in a fan-type structure. For general applications from coarse to fine grinding.

Special features:
- Can be mounted directly on the angle grinder without additional clamping devices.
- Consistently high stock removal rate throughout the entire service life as new, aggressive abrasive is constantly exposed.
- Can be used face-down very close to edges and in corners. Highly flexible, enabling optimal adjustment to the contour.

D [Inch]	T [Inch]	Thread	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4-1/2	3/4	5/8-11	A	40	7,500	13,300	2	47802558	45751
				60	7,500	13,300	2	47802559	45753
				80	7,500	13,300	2	47802560	45754
				120	7,500	13,300	2	47802561	45755
				180	7,500	13,300	2	47802821	45757
5	3/4	5/8-11	A	40	6,850	12,200	2	47802663	45761
				60	6,850	12,200	2	47802664	45763
				80	6,850	12,200	2	47802665	45764
				120	6,850	12,200	2	47802666	45765



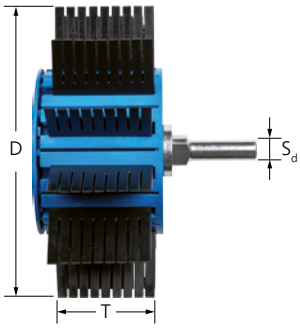
Aluminum oxide A

For universal work on medium-sized and large metallic surfaces, e.g. fine grinding work on large radii in container, food service and apparatus construction, and achieving consistent linear scratch patterns on large surfaces and contours in manual applications.

Special features:
- The 3/4" center hole diameter with 4 keyways fits all conventional drum grinders.
- Consistently high stock removal rate throughout the entire service life as new, aggressive abrasive is constantly exposed.
- Face-down use very close to edges and in corners is possible due to the special clamping system.

D [Inch]	T [Inch]	H [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4	4	3/4	A	40	3,800	6,100	1	44783040	45780
				60	3,800	6,100	1	44783060	45781
				80	3,800	6,100	1	44783080	45782
				120	3,800	6,100	1	44783120	45783
				150	3,800	6,100	1	44783150	45784
				180	3,800	6,100	1	44783180	45785

General information – POLIFLAP® system

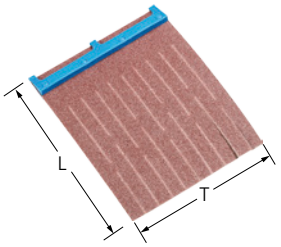


POLIFLAP® wheel

The wheel consists of a shank-mounted support and rubber flaps. It must be completed with appropriate abrasive flaps. The customized arrangement of abrasive and rubber flaps results in a highly versatile product.

Special features:
- Ideal for blending and restoring surface textures, fine grinding of radii, contours, curved areas or large surfaces.
- Creates a consistently high surface quality throughout the entire service life, as new sharp abrasive material is constantly exposed.
- Comfortable to use due to particularly lightweight design. Supplied without abrasive flaps. Please order abrasive flaps separately in the desired grit size.

D [Inch]	T [Inch]	S_d [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
7	2-3/8	3/8	1,500	3,500	1	47101121	45950

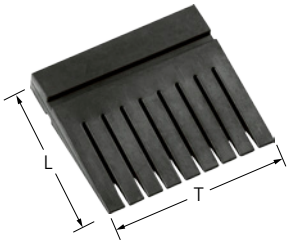


POLIFLAP® abrasive flaps

Abrasive flaps for POLIFLAP® grinding wheels, for achieving visual effects ranging from coarse to very fine.

Special features:
- Ideal for blending and restoring surface textures, fine grinding of radii, contours, curved areas or large surfaces.
- Comfortable to use and easy to replace once worn.

L [Inch]	T [Inch]	Abrasive	Grit size		Item no.	EDP no.
2-3/4	2-3/8	A	60	12	42800110	45960
			80	12	42800111	45961
			100	12	42800112	45962
			120	12	42800113	45963
			150	12	42800114	45964
			180	12	42800115	45965
			220	12	42800116	45966
			320	12	42800117	45968



POLIFLAP® rubber flaps

Rubber flaps to match the POLIFLAP® grinding wheel. They lie between the abrasive flaps, and support the abrasive effect and the flexibility of the system.

Special features:
- Comfortable to use and easy to replace once worn.
- The package contains a complete POLIFLAP® grinding wheel.

L [Inch]	T [Inch]		Item no.	EDP no.
2	2-1/6	12	42800120	45951

Flap wheels
POLISTAR-TUBE

PFERD TOOLS

Safety notes

- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.

Wear eye protection!

Wear hearing protection!

Wear gloves!

Wear a dust mask!

Follow the safety instructions!

Matching product diameter

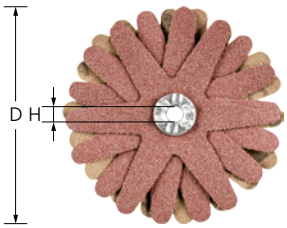
Select the POLISTAR diameter based on the respective pipe's inner diameter:
Dia. 2" for inner pipe dia. 1-3/8"–1-5/8",
Dia. 2-1/4" for inner pipe dia. 1-5/8"– 1-3/4",
Dia. 2-3/4" for inner pipe dia. 1-3/4"–2",
Dia. 3-1/8" for inner pipe dia. 2"–2-1/4",
Dia. 3-1/2" for inner pipe dia. 2-1/4"– 2-3/8",
Dia. 4" for inner pipe dia. 2-3/8"–2-5/8"

Suitable grit size

Select the appropriate grit size for the desired roughness value:
Grit size 60 = 39-51 µin (1.0–1.3 µm) R_a
Grit size 120 = 24–39 µin (0.6–1.0 µm) R_a
Grit size 180 = 16–24 µin (0.4–0.6 µm) R_a
Grit size 240 = 12–16 µin (0.3–0.4 µm) R_a
Grit size 320 = 0.2–0.3 µin (0.2–0.3 µm) R_a

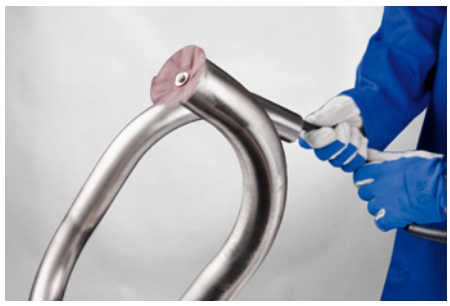
Compatable flexible shafts

Select compatable flexible shafts:
For PST-T dia. 50-80 mm - 4 PST-T DIN 10/M4
For PST-T dia. 90-100 mm - 7 PST-T DIN 10/M5



POLISTAR-TUBE

POLISTAR-TUBE consists of multi-layered coated abrasive stars riveted together. They are designed specifically for working on the inner surfaces of pipes and pipe bends. Can be stacked in several layers. Align at an offset from one another so that the abrasive has the best effect.



Special features:
- Conforms to contours due to high flexibility.
- Optimal machining of small inner diameters.

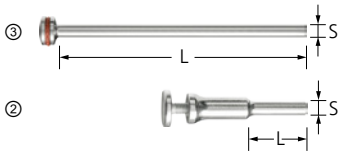
D [Inch]	H [Inch]	Abrasive	Grit size	Number of layers	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
2	3/19	A	60	4	3,000	7,650	42400010	10	42732063	44015
			120	6	3,000	7,650	42400010	10	42732066	44016
			180	6	3,000	7,650	42400010	10	42732068	44017
			240	6	3,000	7,650	42400010	10	42732069	44018
			320	6	3,000	7,650	42400010	10	42732070	44019
2-1/4	3/19	A	60	4	2,500	6,350	42400010	10	42732083	44020
			120	6	2,500	6,350	42400010	10	42732086	44021
			180	6	2,500	6,350	42400010	10	42732088	44022
			240	6	2,500	6,350	42400010	10	42732089	44023
2-3/4	3/19	A	60	4	2,200	5,450	42400010	10	42732103	44025
			120	6	2,200	5,450	42400010	10	42732106	44026
			180	6	2,200	5,450	42400010	10	42732108	44027
			240	6	2,200	5,450	42400010	10	42732109	44028

Continued on next page

Flap wheels
POLISTAR-TUBE

D [Inch]	H [Inch]	Abrasive	Grit size	Number of layers	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
3-1/8	3/19	A	60	4	1,900	4,750	42400010	10	42732123	44030
			120	6	1,900	4,750	42400010	10	42732126	44031
			180	6	1,900	4,750	42400010	10	42732128	44032
			240	6	1,900	4,750	42400010	10	42732129	44033
3-1/2	1/5	A	60	4	1,700	4,250	42400011	10	42732143	44035
			120	8	1,700	4,250	42400011	10	42732146	44036
			180	8	1,700	4,250	42400011	10	42732148	44037
			240	8	1,700	4,250	42400011	10	42732149	44038
4	1/5	A	60	4	1,500	3,820	42400011	10	42732163	44040
			120	8	1,500	3,820	42400011	10	42732166	44041
			180	8	1,500	3,820	42400011	10	42732168	44042
			240	8	1,500	3,820	42400011	10	42732169	44043

Arbor for POLISTAR and POLISTAR-TUBE



Arbor

Matching arbor for POLISTAR and POLISTAR-TUBE.

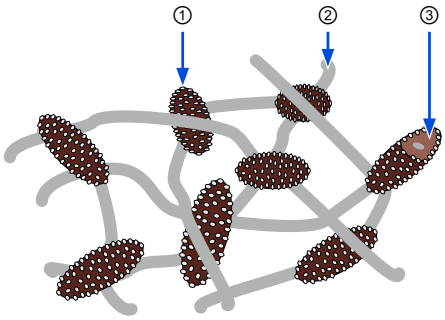
Special features:
- Reduced down time due to quick changes.

Suitable for hole diameter [Inch]	S [Inch]	L [Inch]	Clamping width [Inch]		Item no.	EDP no.
4	1/4	1	0 – 3/8	1	42400010	44062
5	1/4	1	0 – 3/8	1	42400011	44063

Non-woven products
General information

Non-woven abrasives

Non-woven abrasives consist of
① Abrasive grain,
② Polyamide fibres and
③ Synthetic resins.



The non-woven fibre structure is impregnated/interspersed with resin and abrasive grain. The even distribution of the abrasive grain within the non-woven mixture guarantees a continuous supply of fresh, sharp abrasive grain during the entire grinding operation.

The very loose connections between the individual fibres ensures a high level of flexibility and gives a strong spring-type effect to the non-woven material. It is flexible and supple, and leaves behind a very distinctive surface structure. The satin-finished grinding result is unique and cannot be achieved with other abrasives.

Grit sizes

Non-woven abrasives are labelled according to the following scheme:

PFERD TOOLS	Grit size [mesh]
very coarse	50–80
coarse	80–100
medium	100–180
fine	180–220
very fine	220–401

Abrasive

Even though non-woven abrasive has a completely different structure to coated abrasives, the same abrasive materials are used for both tool groups.

Aluminum oxide

Aluminum oxide is very durable, achieves a top service life and is very aggressive on hardened steel. The surface generated is characterized by a higher level of shine. When used on aluminum, discoloration is prevented.

Silicon carbide (SiC)

Silicon carbide (SiC) is even sharper, harder and has better cutting characteristics. It quickly produces a finer, long-lasting slightly matte grinding pattern on the surfaces of many materials.

Non-woven products
General information

PFERD TOOLS

Safety notes

- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.
- **POLINOX® unitized wheels:** For best performance, use at a recommended peripheral speed of 3,000–6,900 SFPM.
- **POLINOX® convolute wheels:** For best performance, use with a recommended peripheral speed of 4,000 SFPM. This provides an ideal compromise between stock removal rate, surface quality, thermal load on the workpiece and convolute wheel wear.
- **POLINOX® mounted and unmounted flap wheels and cross buffs:** For best performance, use with a recommended peripheral speed of 2,000–4,000 SFPM.
- **POLICLEAN® products:** For best performance, use with a recommended peripheral speed of 3,000–4,000 SFPM.

Wear eye protection!

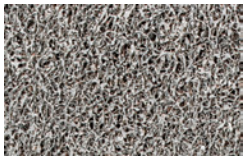
Wear hearing protection!

Wear gloves!

Wear a dust mask!

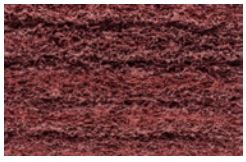
Follow the safety instructions!

Available types and hardness grades

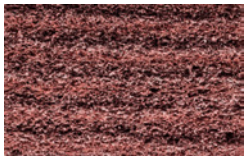


Unitized PNER
Due to different combinations of compaction, fibres, grain and the appropriate bond, this product can be used for a wide range of surface finishing applications, from relatively coarse grinding to preparing the surface for polishing.

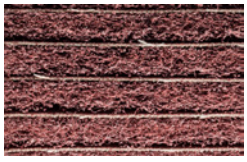
Convolute PNK
The non-woven abrasive is wound around a core and foamed up. The products can be optimized for a variety of applications by implementing different foam, fibre, grain and bond combinations. The spectrum of application ranges from fine deburring through to preparations for polishing.



Radial construction PNL
The abrasive fleece is arranged radially in flaps. The flaps are packed very tightly, resulting in a long service life. The tool is primarily used for surface finishing.



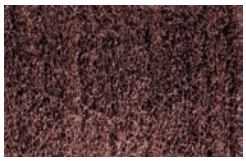
Radial construction PNL-HP
The non-woven abrasive features extremely aggressive performance and a long tool life. It is made of radially arranged flaps and is particularly used for surface work.



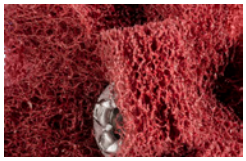
Interleaved construction PNZ
The non-woven abrasive is arranged in multiple radial flaps, with one abrasive cloth interlayer between each set of flaps. This flap combination facilitates greater stock removal and a coarser surface finish.

Corrugated construction PNG
The non-woven abrasive comprises several very wavy strips of non-woven material wound around a core.

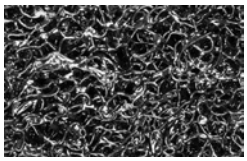
Non-woven products
General information



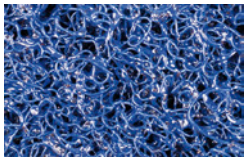
Axial layered construction PNR
The non-woven abrasive material is arranged in multiple (axial) disc layers. Since the individual non-woven discs are not interconnected, the abrasive surface adapts easily to different workpiece contours, e.g. when working on profiles or pipes.



Cross buffs PNST
The non-woven abrasive is star-shaped and stacked in layers which are connected in the center. It offers outstanding performance, specifically when used for tight work areas such as holes, recesses and hard-to-reach places.



POLICLEAN
The non-woven abrasive combines synthetic fibres, resin and abrasive grain. As the non-woven abrasive has a firm, coarse structure, it is ideal for coarse cleaning work such as removing paint, scale, heat discoloration, rust and adhesive residues.



POLICLEAN PLUS
The non-woven abrasive combines synthetic fibres, resin and abrasive grain. As the non-woven abrasive has a very firm, coarse structure, it is extremely sturdy and ensures a high stock removal rate. It is ideal for roughening and for very coarse cleaning work such as removing paint, scale, heat discoloration, rust and adhesive residues.

Non-woven products
General information – POLINOX® unitized wheels and discs

PFERD TOOLS

Available types

W Soft variant with outstanding adaptability. At the same time, durability, abrasive performance and very high surface quality are all maintained. Ideally suited to machining contours.

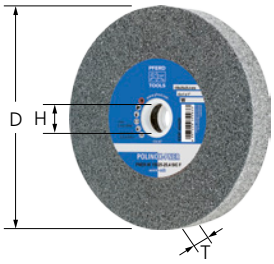
MW Medium-soft variant with increased edge strength and extended service life, for tough blending and polishing applications. Well suited to machining contours.

MH Medium-hard variant with increased edge strength and extended service life, for tough deburring and cleaning applications.

H Hard variant with very high stock removal rate, good edge strength and long service life, for tough deburring and polishing applications.

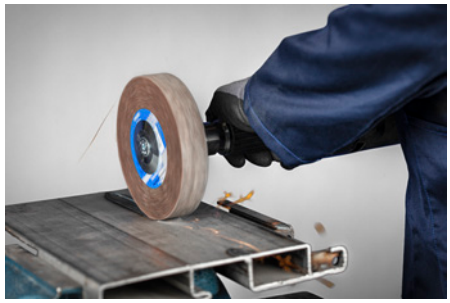
Comparison table

PFERD TOOLS Unitized wheels				3M	Standard Abrasives	Norton	BIBIELLE
Type	Colour code	Abrasive	Grit				
Soft	W	SiC	fine	EXL 2S fine	532	UW1-2SF or Nex-2SF	BUH 2SF
		A	coarse	EXL 2A medium	521	UW1-2AM or Nex-2AM	BUH 2AM
Medium-soft	MW	SiC	fine	EXL 4S fine or SST 3S fine	632	UW1-4SF	BUH 3SF
		A	fine	EXL 4A fine or SST 3A fine	631	UW1-4AF	-
Medium-hard	MH	SiC	fine	Cut & polish 5S fine	732	NEX-6SF	BUH 6SF
		A	fine	Cut & polish 5A fine or SST 5A fine	731	UW1-6AF or Nex-6AF	-
Hard	H	A	fine	Cut & polish 7A medium or 9A medium	821	UW1-8AM or Nex-8AM	BUH 6AM
		A	coarse	Cut & polish 7A coarse or 9A coarse	811	UW1-8AC or Nex-8AC	BUH 8AC



PNER version for all drives

They consist of several heavily compressed non-woven layers bonded with a special grit-resin system. Particularly suitable for machining soft metals, alloyed and high-alloy steels, and titanium alloys.



Special features:

- Cost-effective due to high abrasive performance and durability.
- These properties are particularly apparent when deburring, blending, finishing and polishing soft metals, alloyed and high-alloy steels, in addition to titanium alloys.

D [Inch]	T [Inch]	H [Inch]	Specification	Version	Abrasive	Grit size	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
Compatible power tools: Flexible shaft drives; Straight grinders; Bench grinders												
2	1/8	1/4	8AM	H	A	fine	9,500	15,300	33700132	10	44691005	48268
			6AC	MH	A	coarse	9,500	15,300	33700132	10	47700208	48240
3	1/8	1/4	2AM	W	A	coarse	6,400	10,200	33700132	10	47803085	48247
			2SF	W	SiC	fine	6,400	10,200	33700132	10	47803086	48245
			3SF	MW	SiC	fine	6,400	10,200	33700132	10	47803087	48246
			6AF	MH	A	fine	6,400	10,200	33700132	10	47803088	48248
			6AC	MH	A	coarse	6,400	10,200	33700132	10	47700209	48241
			8AC	H	A	coarse	6,400	10,200	33700132	10	47803089	48249
			8AM	H	A	fine	6,400	10,200	33700132	10	44691010	48288
	1/4	1/4	2AM	W	A	coarse	6,400	10,200	33700132	5	44691621	48291
			2SF	W	SiC	fine	6,400	10,200	33700132	5	44691627	48290
			3AF	MW	A	fine	6,400	10,200	33700132	5	44691422	48293
			3SF	MW	SiC	fine	6,400	10,200	33700132	5	44691427	48292
			6AG	MH	A	coarse	6,400	10,200	33700132	5	42779160	48230
			6AF	MH	A	fine	6,400	10,200	33700132	5	44691222	48295
			6SF	MH	SiC	fine	6,400	10,200	33700132	5	42779159	48229
			8AM	H	A	fine	6,400	10,200	33700132	5	42779161	48231
			8AC	H	A	coarse	6,400	10,200	33700132	5	44691021	48299
	1/2	1/4	2AM	W	A	coarse	6,400	10,200	33700132	5	44691641	48311
			2SF	W	SiC	fine	6,400	10,200	33700132	5	44691647	48310
			3AF	MW	A	fine	6,400	10,200	33700132	5	44691442	48313
			3SF	MW	SiC	fine	6,400	10,200	33700132	5	44691447	48312
			6AF	MH	A	fine	6,400	10,200	33700132	5	44691242	48315
			8AC	H	A	coarse	6,400	10,200	33700132	5	44691041	48319
6	1	1	2AM	W	A	coarse	3,800	5,100	47601151	1	42779154	48182
			2SF	W	SiC	fine	3,200	5,100	47601151	1	44691667	48420
	1/4	1	3AF	MW	A	coarse	3,800	5,100	47601151	5	42779155	48183
	1	1	3AF	MW	A	fine	3,200	5,100	47601151	1	44691462	48423
			3SF	MW	SiC	fine	3,200	5,100	47601151	1	44691467	48422
	1/4	1	6AM	MH	A	fine	3,800	5,100	47601151	5	42779156	48184
			6SF	MH	SiC	fine	3,800	5,100	47601151	5	42779157	48185
	1	1	6AF	MH	A	fine	3,200	5,100	47601151	1	44691262	48425
			6SF	MH	SiC	fine	3,800	5,100	47601151	1	42779153	48181

Continued on next page

New item

Non-woven products
POLINOX® unitized wheels

D [Inch]	T [Inch]	H [Inch]	Specification	Version	Abrasive	Grit size	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
6	1/4	1	8AC	H	A	coarse	3,800	5,100	47601151	5	42779158	48186
	1	1	8AC	H	A	coarse	3,200	5,100	47601151	1	44691061	48429
Compatible power tools: angle grinders and fillet weld grinders												
5	1/4	7/8	3AF	MW	A	fine	4,500	6,100	47601151	5	44691453	48353
			3SF	MW	SiC	fine	4,500	6,100	47601151	5	44691452	48352
			6AF	MH	A	fine	4,500	6,100	47601151	5	44691252	48355
			-	MH	A	coarse	4,500	6,100	47601151	5	47700211	48243
			8AC	H	A	coarse	4,500	6,100	47601151	5	44691053	48359
			8AM	H	A	fine	4,500	6,100	47601151	5	44691052	48358
6	1/8	1	3SF	MW	SiC	fine	3,800	5,100	47601151	5	44691628	48360
			6SF	MH	SiC	fine	3,800	5,100	47601151	5	44691629	48361
			6AC	MH	A	coarse	3,800	5,100	47601151	5	47700210	48242
			8AM	H	A	fine	3,800	5,100	47601151	5	44691630	48362
	1/4	1	2SF	W	SiC	fine	3,800	5,100	47601151	5	44691631	48363
			3SF	MW	SiC	fine	3,800	5,100	47601151	5	44691632	48364
			6AC	MH	A	coarse	3,800	5,100	47601151	5	47700212	48244
			8AM	H	A	fine	3,800	5,100	47601151	5	44691633	48365
	1/2	1/2	-	W	SiC	fine	3,800	5,100	47601151	5	47802723	48510
				MW	SiC	fine	3,800	5,100	47601151	5	47700200	48511
			6SF	MH	SiC	fine	3,800	5,100	47601151	5	47700201	48512

POLINOX® unitized discs

POLINOX® unitized discs for speed-adjustable angle grinders

POLINOX® unitized wheels and discs consist of multiple heavily compressed, non-woven layers, which are bonded together by a special grain/resin system. This particular bond results in non-woven products with a very good surface finish, high stock removal rate and long service life. these properties are particularly apparent when deburring, blending, finishing and polishing soft metals, alloyed and high-alloy steels, in addition to titanium alloys.

Special features:
- Cost-effective due to high abrasive performance and durability.
- Produces very good surface quality. Can be profiled as desired, enabling optimal adjustment to the contour.
- Ideal for cleaning, deburring, blending and polishing.

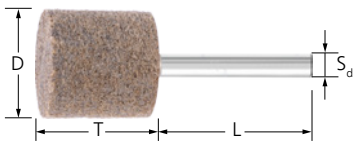
D [Inch]	T [Inch]	H [Inch]	Grit size	Version	Abrasive	Opt. RPM	Max. RPM		Item no.	EDP no.
4-1/2	1/2	7/8	coarse	W (soft)	A	6,000	10,000	5	42779176	48531
			fine	W (soft)	SiC	6,000	10,000	5	44690732	48470
				MW (medium-soft)	SiC	6,000	10,000	5	44690722	48472
					A	6,000	10,000	5	42779177	48532
				MH (medium-hard)	SiC	6,000	10,000	5	44690712	48474
					A	6,000	10,000	5	42779178	48533

Continued on next page

New item

D [Inch]	T [Inch]	H [Inch]	Grit size	Version	Abrasive	Opt. RPM	Max. RPM		Item no.	EDP no.
5	1/2	7/8	coarse	W (soft)	A	5,400	10,000	5	42779179	48534
			fine	W (soft)	SiC	5,400	10,000	5	44690733	48480
				MW (medium-soft)	SiC	5,400	10,000	5	44690723	48482
					A	5,400	10,000	5	42779180	48535
				MH (medium-hard)	SiC	5,400	10,000	5	44690713	48484
					A	5,400	10,000	5	42779181	48536
with stroke										
4-1/2	1/2	5/8-11	fine	W (soft)	SiC	6,000	10,000	5	47802693	48490
			coarse	W (soft)	A	6,000	10,000	5	47805188	48554
			fine	MW (medium-soft)	SiC	6,000	10,000	5	47802694	48492
					A	6,000	10,000	0	47805189	48555
				MH (medium-hard)	SiC	6,000	10,000	5	47802695	48494
					A	6,000	10,000	5	47805190	48556
5	1/2	5/8-11	fine	W (soft)	SiC	5,400	10,000	5	47802696	48500
			coarse	W (soft)	A	5,400	10,000	5	47805191	48557
			fine	MW (medium-soft)	SiC	5,400	10,000	5	47802697	48502
					A	5,400	10,000	5	47805192	48558
				MH (medium-hard)	SiC	5,400	10,000	5	47802698	48504
					A	5,400	10,000	5	47805193	48559

POLINOX compact mounted points



Aluminum oxide A

Multiple heavily compressed, non-woven layers, which are bonded together by a special grain/resin system. The aluminum oxide A version is ideal for general-purpose applications on steel and non-ferrous metals.

Special features:
- Cost-effective due to high abrasive performance and durability.
- Produces very good surface quality.
- Ideal for removing heat discoloration in hard-to-reach areas.

D [Inch]	T [Inch]	S_d [Inch]	L [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
Tapered PNER										
3/8	1	1/8	1 1/6	A	G (coarse)	28,600	38,100	10	47803558	47970
					F (fine)	28,600	38,100	10	47803557	47969
Ball PNER										
3/5	3/5	1/4	1 1/2	A	G (coarse)	25,400	44,500	10	47803544	47956
									47803543	47955
									47803542	47954
3/4	3/4	1/4	1 1/2	A	G (coarse)	23,800	33,400	10	47803548	47960
									47803547	47959
									47803546	47958
1	1	1/4	1 1/2	A	G (coarse)	19,000	30,500	10	47803552	47964
									47803551	47963
									47803550	47962

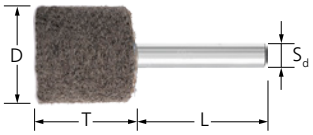
Continued on next page

New item

Non-woven products
POLINOX compact mounted points

PFERD TOOLS

D [Inch]	T [Inch]	S_d [Inch]	L [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
Tree PNER										
3/8	3/4	1/8	1 1/6	A	G (coarse)	28,600	38,100	10	47803555	47967
					F (fine)	28,600	38,100	10	47803554	47966
Cylindrical with radius end PNER										
3/8	1	1/8	1 1/6	A	G (coarse)	28,600	38,100	10	47803561	47973
					F (fine)	28,600	38,100	10	47803560	47972
Cylindrical PNER										
3/8	3/8	1/8	1 1/6	A	G (coarse)	28,600	38,100	10	47803517	47929
					F (fine)	28,600	38,100	10	47803516	47928
	3/4	1/8	1 1/6	A	G (coarse)	28,600	38,100	10	47803520	47932
					F (fine)	28,600	38,100	10	47803519	47931
3/5	3/8	1/8	1 1/6	A	G (coarse)	25,400	44,500	10	47803522	47934
		1/4	1 1/6	A	F (fine)	25,400	44,500	10	47803521	47933
	3/4	1/4	1 1/6	A	G (coarse)	25,400	44,500	10	47803524	47936
					F (fine)	25,400	44,500	10	47803523	47935
3/4	3/8	1/4	1 1/2	A	G (coarse)	23,800	33,400	10	47803528	47940
					F (fine)	23,800	33,400	10	47803527	47939
									47803526	47938
	3/4	1/4	1 1/2	A	G (coarse)	23,800	33,400	10	47803532	47944
					F (fine)	23,800	33,400	10	47803531	47943
									47803530	47942
1	1/2	1/4	1 1/2	A	G (coarse)	19,000	30,500	10	47803536	47948
					F (fine)	19,000	30,500	10	47803535	47947
									47803534	47946
	1	6,35	1 1/2	A	G (coarse)	19,000	30,500	10	47803540	47952
					F (fine)	19,000	30,500	10	47803539	47951
									47803538	47950
2	1/2	1/4	1 1/2	A	G (coarse)	9,500	15,300	5	47803494	47906
					F (fine)	9,500	15,300	5	47803493	47905
									47803491	47903
					G (coarse)	9,500	15,300	5	47803489	47901
	1	1/4	1 1/2	A	G (coarse)	9,500	15,300	5	47803501	47913
					F (fine)	9,500	15,300	5	47803500	47912
									47803498	47910
					G (coarse)	9,500	15,300	5	47803496	47908
3	1/2	1/4	1 1/2	A	G (coarse)	6,400	10,200	5	47803508	47920
					F (fine)	6,400	10,200	5	47803507	47919
				A	F (fine)	6,400	10,200	5	47803505	47917
					G (coarse)	6,400	10,200	5	47803503	47915
	1	1/4	1 1/2	A	G (coarse)	6,400	10,200	5	47803514	47926
					F (fine)	6,400	10,200	5	47803513	47925
									47803512	47924
					G (coarse)	6,400	10,200	5	47803510	47922



Silicon carbide SiC

Multiple heavily compressed, non-woven layers, which are bonded together by a special grain/resin system. The SiC version is ideal for demanding tasks on hard or sensitive materials.

Special features:
- Cost-effective due to high abrasive performance and durability.
- Produces very good surface quality.
- Ideal for removing heat discoloration in hard-to-reach areas.

D [Inch]	T [Inch]	S_d [Inch]	L [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
Tapered PNER										
3/8	1	1/8	1 1/6	SiC	F (fine)	28,600	38,100	10	47803556	47968
Ball PNER										
3/5	3/5	1/4	1 1/2	SiC	F (fine)	25,400	44,500	10	47803541	47953
3/4	3/4	1/4	1 1/2	SiC	F (fine)	23,800	33,400	10	47803545	47957
1	1	1/4	1 1/2	SiC	F (fine)	19,000	30,500	10	47803549	47961
Tree PNER										
3/8	3/4	1/8	1 1/6	SiC	F (fine)	28,600	38,100	10	47803553	47965
Cylindrical with radius end PNER										
3/8	1	1/8	1 1/6	SiC	F (fine)	28,600	38,100	10	47803559	47971
Cylindrical PNER										
3/8	3/8	1/8	1 1/6	SiC	F (fine)	28,600	38,100	10	47803515	47927
	3/4	1/8	1 1/6	SiC	F (fine)	28,600	38,100	10	47803518	47930
3/4	3/8	1/4	1 1/2	SiC	F (fine)	23,800	33,400	10	47803525	47937
	3/4	1/4	1 1/2	SiC	F (fine)	23,800	33,400	10	47803529	47941
1	1/2	1/4	1 1/2	SiC	F (fine)	19,000	30,500	10	47803533	47945
	1	1/4	1 1/2	SiC	F (fine)	19,000	30,500	10	47803537	47949
2	1/2	1/4	1 1/2	SiC	F (fine)	9,500	15,300	5	47803492	47904
									47803490	47902
								5	47803488	47900
	1	1/4	1 1/2	SiC	F (fine)	9,500	15,300	5	47803499	47911
									47803497	47909
									47803495	47907
3	1/2	1/4	1 1/2	SiC	F (fine)	6,400	10,200	5	47803506	47918
									47803504	47916
									47803502	47914
	1	1/4	1 1/2	SiC	F (fine)	6,400	10,200	5	47803511	47923
									47803509	47921

Non-woven products
General information – POLINOX® unitized wheels and discs

PFERD TOOLS

Available types

W **Soft**
Soft version with outstanding abrasive performance on contours. Ideal for blending surfaces.

MW **Medium-soft**
Medium-soft version with increased flexibility and tool life for coarse blending applications and for light deburring and polishing work. Well-suited to work on contours.

MH **Medium-hard**
Medium-hard version with increased edge strength and service life for coarse deburring applications and deburring, blending and cleaning work.

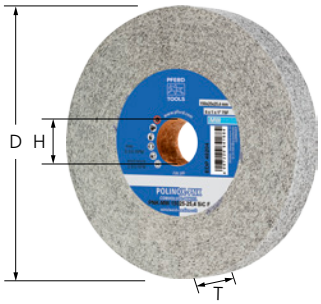
H **Hard**
Hard version with very high stock removal rate, good edge strength and long service life for medium to heavy-duty deburring and polishing applications.

EH **Extra-hard**
Extra-hard version with excellent edge strength for demanding deburring work.

4

Comparison table

PFERD TOOLS Convolute wheels				3M	Standard Abrasives	Norton	BIBIELLE
Type	Colour code	Abrasive	Grit				
Soft	W	A	coarse	CP-WL 5AM	MF CV 5AM	MF CF 5AM	BCW-MF 5AM
Medium-soft	MW	SiC	fine	LDW 7SF	LDW 7SF	Series 2000 7SF	BCW-DB 7SF
Medium-hard	MH	SiC	fine	EXL Deburring 8SF	Deburring 8SF	Series 1000 8SF	BCW-DB 8SF
	MH	A	coarse	EXL Deburring 8AM	GP Plus 8AM	Series 1000 8AM	BCW-DB 8AM
Hard	H	SiC	fine	Deburring 9SF	EXL Deburring 9SF	Series 1000 9SF	BCW-DB 9SF
Extra-hard	EH	SiC	fine	XP-WL 10SF	GP Plus 10SF	Series 4000 9SF	BCW-DB 9SF-R



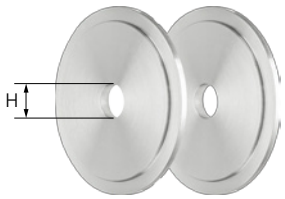
POLINOX® convolute wheels

They consist of abrasive fleece wound spirally around a core. They are particularly suitable for machining soft metals, alloyed and high-alloy steels, and titanium alloys—for example, on turbine blades and for removing machining marks from surgical instruments.

Special features:

- Cost-effective due to high abrasive performance and durability.
- Produces very good surface quality. Can be profiled as desired, enabling optimal adjustment to the contour.
- Ideal for cleaning, deburring, blending and polishing.

D [Inch]	T [Inch]	H [Inch]	Specification	Grit size	Version	Abrasive	Opt. RPM	Max. RPM		Item no.	EDP no.
6	1/2	1	8AM	coarse	MH (medium-hard)	A	2,500	5,100	1	47802638	48201
			7SF	fine	MW (medium-soft)	SiC	2,500	5,100	1	47802637	48200
			8SF	fine	MH (medium-hard)	SiC	2,500	5,100	1	47802639	48202
			9SF	fine	H (hard)	SiC	2,500	5,100	1	47802640	48203
			10SF	fine	EH (extra-hard)	SiC	2,500	5,100	1	47803030	48222
	1	1	5AM	coarse	W (soft)	A	2,500	5,100	1	47802730	48199
			8AM	coarse	MH (medium-hard)	A	2,500	5,100	1	47802642	48205
			7SF	fine	MW (medium-soft)	SiC	2,500	5,100	1	47802641	48204
			8SF	fine	MH (medium-hard)	SiC	2,500	5,100	1	47802643	48206
			9SF	fine	H (hard)	SiC	2,500	5,100	1	47802644	48207
			10SF	fine	EH (extra-hard)	SiC	2,500	5,100	1	47803031	48223
8	1/2	3	8AM	coarse	MH (medium-hard)	A	1,900	3,850	1	47802646	48209
			7SF	fine	MW (medium-soft)	SiC	1,900	3,850	1	47802645	48208
			8SF	fine	MH (medium-hard)	SiC	1,900	3,850	1	47802647	48210
			9SF	fine	H (hard)	SiC	1,900	3,850	1	47802648	48211
			10SF	fine	EH (extra-hard)	SiC	1,900	3,850	1	47802882	48224
	1	3	5AM	coarse	W (soft)	A	1,900	3,850	1	47803029	48220
			8AM	coarse	MH (medium-hard)	A	1,900	3,850	1	47802650	48213
			7SF	fine	MW (medium-soft)	SiC	1,900	3,850	1	47802649	48212
			8SF	fine	MH (medium-hard)	SiC	1,900	3,850	1	47802651	48214
			9SF	fine	H (hard)	SiC	1,900	3,850	1	47802652	48215
			10SF	fine	EH (extra-hard)	SiC	1,900	3,850	1	47802881	48225
	2	3	5AM	coarse	W (soft)	A	1,900	3,850	1	47802732	48221
			8AM	coarse	MH (medium-hard)	A	1,900	3,850	1	47802654	48217
			7SF	fine	MW (medium-soft)	SiC	1,900	3,850	1	47802653	48216
			8SF	fine	MH (medium-hard)	SiC	1,900	3,850	1	47802655	48218
			9SF	fine	H (hard)	SiC	1,900	3,850	1	47802656	48219
			10SF	fine	EH (extra-hard)	SiC	1,900	3,850	1	47802880	48226



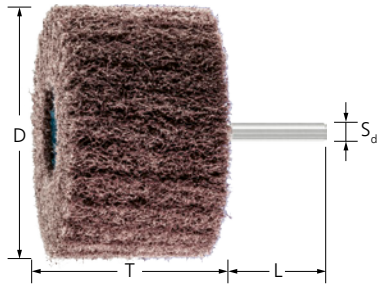
Reducing flanges for POLINOX® convolute wheels

For mounting POLINOX® convolute wheels with an 8" diameter on stationary machines such as double grinding machines (bench grinders).

Special features:
- Highly accurate fit.
- Hole can be drilled out and resized as desired.

Suitable for tool diameter [Inch]	H [Inch]		Item no.	EDP no.
3	5/8	1	47601200	45690
	1	1	47601201	45692
	1-1/4	1	47601202	45693

POLINOX® mounted flap wheels



Radial construction

Made of radially arranged flaps of non-woven abrasive material. A long service life is achieved through the dense packing of the flaps.

Special features:
- Conforms to contours due to high flexibility.
- Cool grinding and low thermal load on the workpiece.
- No loading due to open structure and high flexibility of the non-woven material.

D [Inch]	T [Inch]	S_d [Inch]	L [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
Aluminum oxide A										
1	1	1/4	1-1/2	A	100	10,000	20,000	10	47803111	46198
					180	10,000	20,000	10	47803112	46199
					280	10,000	20,000	10	47803113	46200
1-1/2	3/4	1/4	1-1/2	A	80	7,500	15,000	10	47803371	46188
					100	7,500	15,000	10	47801032	46201
					180	7,500	15,000	10	47801033	46202
					280	7,500	15,000	10	47801034	46203
					360	7,500	15,000	10	47803372	46189
2	1	1/4	1-1/2	A	80	6,000	12,000	10	47803373	46190
					100	6,000	12,000	10	47801121	46204
					180	6,000	12,000	10	47801053	46205
					280	6,000	12,000	10	47801078	46206
					360	6,000	12,000	10	47803374	46191
2-3/8	2	1/4	1-1/2	A	80	5,000	10,000	10	47803375	46192
					100	5,000	10,000	10	47801694	46207
					180	5,000	10,000	10	47801129	46208
					280	5,000	10,000	10	47801127	46209

Continued on next page

Non-woven products
POLINOX® mounted flap wheels

D [Inch]	T [Inch]	S_d [Inch]	L [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
2-3/8	2	1/4	1-1/2	A	360	5,000	10,000	10	47803376	46193
3	1	1/4	1-1/2	A	100	4,000	7,500	10	47802667	46251
					180	4,000	7,500	10	47802668	46252
					280	4,000	7,500	10	47802669	46253
					80	4,000	7,500	10	47803377	46194
	2	1/4	1-1/2	A	100	4,000	7,500	10	47801054	46210
					180	4,000	7,500	10	47801072	46211
					280	4,000	7,500	10	47801048	46212
	1	1/4	1-1/2	A	360	4,000	7,500	10	47803378	46195

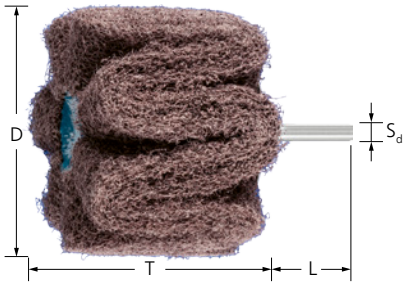
Interleaved construction

The non-woven abrasive material is arranged in multiple radial flaps, with abrasive cloth interlayers. This flap structure facilitates improved stock removal and achieves a coarser surface finish.

Special features:
- Conforms to contours due to high flexibility.
- Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents loading.

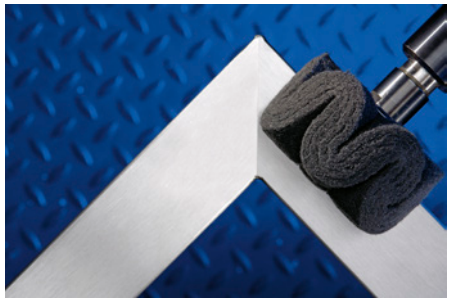
4

D [Inch]	T [Inch]	S_d [Inch]	L [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
Aluminum oxide A										
1	1	1/4	1-1/2	A	100	10,000	20,000	10	47803114	46196
1-1/2	3/4	1/4	1-1/2	A	80	7,500	15,000	10	47803379	46271
					100	7,500	15,000	10	47801035	46219
					180	7,500	15,000	10	47802099	46225
2	1	1/4	1-1/2	A	100	6,000	12,000	10	47801075	46220
					180	6,000	12,000	10	47801690	46226
				A	80	6,000	12,000	10	47803380	46272
2-3/8	2	1/4	1-1/2	A	80	5,000	10,000	10	47803381	46273
					100	5,000	10,000	10	47801036	46221
					180	5,000	10,000	10	47801802	46227
3	2	1/4	1-1/2	A	80	4,000	7,500	10	47803382	46274
	1	1/4	1-1/2	A	100	4,000	7,500	10	47802670	46269
					180	4,000	7,500	10	47802671	46270
3-5/32	2	1/4	1-1/2	A	100	4,000	7,500	10	47801037	46222
					180	4,000	7,500	10	47801154	46228
4	2	1/4	1-1/2	A	100	3,000	6,000	5	47801150	46223
					180	3,000	6,000	5	47801155	46229



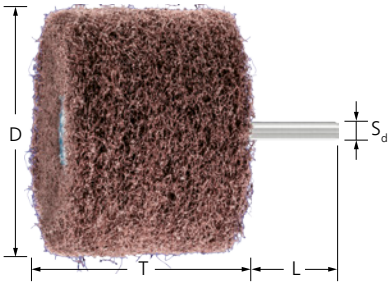
Corrugated construction

The non-woven abrasive comprises several very wavy strips of non-woven material wound around a core. The wavy structure of the non-woven material permits seamless brush matting of surfaces.



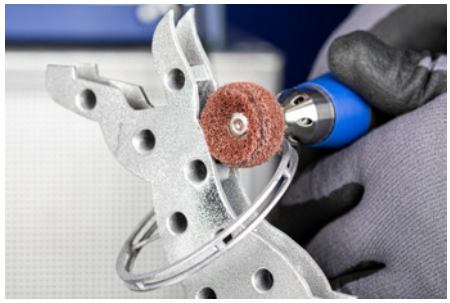
Special features:
- Conforms to contours due to high flexibility.
- Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents loading.

D [Inch]	T [Inch]	S_d [Inch]	L [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
Aluminum oxide A										
3	2	1/4	1-1/2	A	100	4,000	7,500	10	47802481	46236
					180	4,000	7,500	10	47802473	46237
					280	4,000	7,500	10	47802482	46238
4	2	1/4	1-1/2	A	100	3,000	6,000	5	47802478	46232
					180	3,000	6,000	5	47802479	46230
					280	3,000	6,000	5	47802480	46231
Silicon carbide (SiC)										
3	2	1/4	1-1/2	SiC	100	4,000	7,500	10	47802485	46239
					180	4,000	7,500	10	47802486	46240
					280	4,000	7,500	10	47802672	46241
4	2	1/4	1-1/2	SiC	100	3,000	6,000	5	47802484	46233
					180	3,000	6,000	5	47802483	46234



Axial layered construction

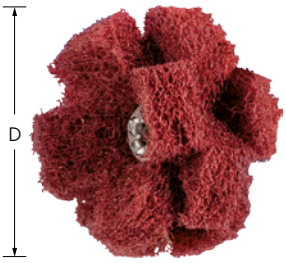
The non-woven abrasive is arranged in multiple (axial) disc layers. Since the individual non-woven discs are not interconnected, the abrasive surface adapts easily to different workpiece contours, e.g. when working on profiles or pipes.



Special features:
- Conforms to contours due to high flexibility.
- Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents loading.

D [Inch]	T [Inch]	S_d [Inch]	L [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
2-3/8	2	1/4	1-1/2	A	100	5,000	10,000	10	47801686	46213
					180	5,000	10,000	10	47801055	46214
					280	5,000	10,000	10	47801074	46215
3	2	1/4	1-1/2	A	100	4,000	7,500	10	47801687	46216
					180	4,000	7,500	10	47801056	46217
					280	4,000	7,500	10	47801753	46218

POLINOX® cross buffs



POLINOX® cross buffs

Ideal for cleaning, deburring and fine grinding of inner surfaces and contours. Highly recommended for hard-to-reach places such as drilled holes and indentations.

Special features:
- Optimum adaptation to contours due to high flexibility. Cool grinding and low thermal load of the workpiece.
- The open structure and high flexibility of the non-woven material prevents loading.
- Please order compatible arbor separately.

D [Inch]	Abrasive	Grit size	Number of layers	Opt. RPM	Max. RPM		Item no.	EDP no.
3/4	A	100	2	15,000	25,100	20	44698192	44198
		280	2	15,000	25,100	20	44698193	44199
1	A	80	2	10,000	19,100	20	44698254	44202
		100	2	10,000	19,100	20	44698252	44200
		280	2	10,000	19,100	20	44698253	44201
1-1/2	A	80	3	7,500	12,600	20	44698384	44210
		100	3	7,500	12,600	20	44698382	44208
		280	3	7,500	12,600	20	44698383	44209
2	A	80	2	5,500	9,500	20	44698504	44212

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D [Inch]	Abrasive	Grit size	Number of layers	Opt. RPM	Max. RPM		Item no.	EDP no.
2	A	100	2	5,500	9,500	20	44698502	44213
		280	2	5,500	9,500	20	44698503	44214

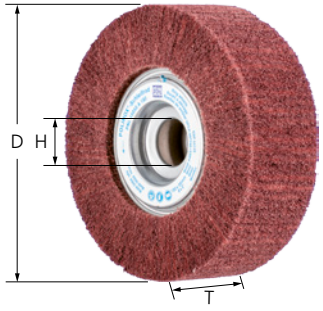
Drive arbor for POLINOX® cross buffs

Arbors for POLINOX® cross buffs which also enable holes and cut-outs to be reached easily.

Special features:
- Reduced down time due to quick changes.

S [Inch]	L [Inch]	Thread	Clamping length [Inch]		Item no.	EDP no.
1/4	3	8–32 UNC	1 1/4	1	47601167	44830

POLINOX® unmounted flap wheels

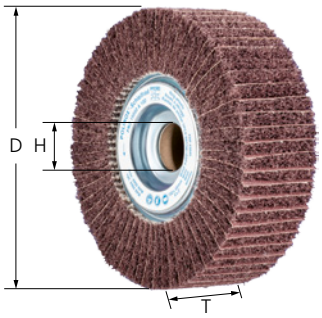


Radial construction

Made of radially arranged flaps of non-woven abrasive material. A long service life is achieved through the dense packing of the flaps. This unmounted flap wheel is ideal for work on large surfaces.

Special features:
- Optimum adaptation to contours due to high flexibility. Cool grinding and low thermal load of the workpiece.
- The open structure and high flexibility of the non-woven material prevents loading.
- Please order compatible arbor separately.

D [Inch]	T [Inch]	H [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
6	2	1	A	100	2,000	4,000	47601151	1	44644111	43128
				180	2,000	4,000	47601151	1	44644119	43129
				280	2,000	4,000	47601151	1	44644129	43130
8	2	1-3/4	A	100	1,500	3,000	47601152	1	44644211	43137
				180	1,500	3,000	47601152	1	44644219	43138
				280	1,500	3,000	47601152	1	44644229	43139

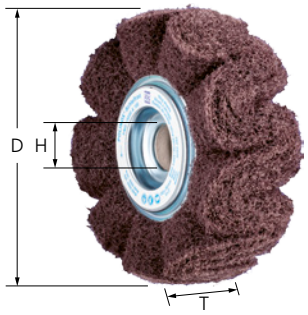


Interleaved construction

The non-woven abrasive material is arranged in multiple radial flaps, with abrasive cloth interlayers. This flap structure facilitates improved stock removal and achieves a coarser surface finish. This unmounted flap wheel is ideal for work on large surfaces.

Special features:
- Optimum adaptation to contours due to high flexibility. Cool grinding and low thermal load of the workpiece.
- The open structure and high flexibility of the non-woven material prevents loading.
- Please order compatible arbor separately.

D [Inch]	T [Inch]	H [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
6	2	1	A	100	2,000	4,000	47601151	1	44645111	43045
				180	2,000	4,000	47601151	1	44645119	43046
8	2	1-3/4	A	100	1,500	3,000	47601152	1	44645211	43048
				180	1,500	3,000	47601152	1	44645219	43049

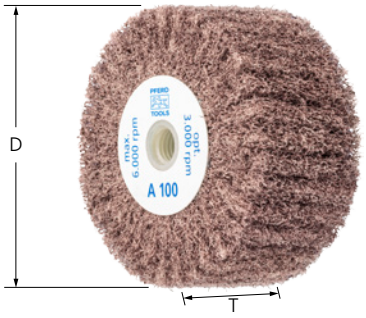


Corrugated construction

Made of several wavily arranged strips of non-woven abrasive material, wound around a core. The wavy structure of the non-woven abrasive material permits seamless matte finishing of surfaces.

Special features:
- Optimum adaptation to contours due to high flexibility. Cool grinding and low thermal load of the workpiece.
- The open structure and high flexibility of the non-woven material prevents loading.
- Please order compatible arbor separately.

D [Inch]	T [Inch]	H [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
6	2	1	A	100	2,000	4,000	47601151	1	44646111	43030
				180	2,000	4,000	47601151	1	44646119	43031
				280	2,000	4,000	47601151	1	44646129	43032
8	2	1-3/4	A	100	1,500	3,000	47601152	1	44646211	43036
				180	1,500	3,000	47601152	1	44646219	43037
				280	1,500	3,000	47601152	1	44646229	43038

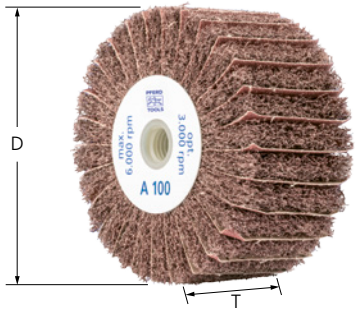


Radial construction

Made of radially arranged flaps of non-woven abrasive material. The flaps are very tightly packed, which achieves a longer service life. The flap wheel's main application is surface work.

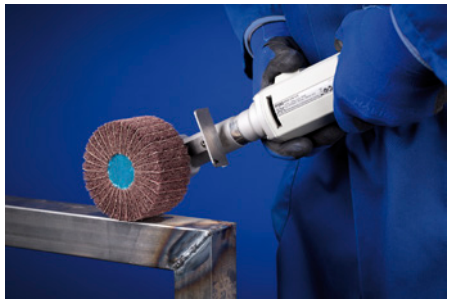
Special features:
- Optimum adaptation to contours due to high flexibility. Cool grinding and low thermal load of the workpiece.
- The open structure and high flexibility of the non-woven material prevents loading.
- Can be mounted directly onto the drive system's spindle without the need for additional clamping devices.

D [Inch]	T [Inch]	Thread	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4	2	5/8-11	A	100	3,000	6,000	5	44642021	43188
				180	3,000	6,000	5	44642022	43189
				280	3,000	6,000	5	44642023	43190



Interleaved construction

The non-woven abrasive is arranged in multiple radial flaps, with one abrasive cloth interlayer between each set of flaps. This flap combination facilitates greater stock removal and a coarser surface finish.



Special features:
- Optimum adaptation to contours due to high flexibility. Cool grinding and low thermal load of the workpiece.
- The open structure and high flexibility of the non-woven material prevents loading.
- Can be mounted directly onto the drive system's spindle without the need for additional clamping devices.

D [Inch]	T [Inch]	Thread	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4	2	5/8-11	A	100	3,000	6,000	5	44642121	43013
				180	3,000	6,000	5	44642122	43014

Non-woven products
POLINOX® grinding discs

Radial construction

Non-woven abrasive flaps with a fibreglass backer, for face-down finishing work. Densely-stacked flaps for long service life. The disc is designed for working on large surfaces with variable-speed angle grinders.

Special features:

- Optimum adaptation to contours due to high flexibility. Cool grinding and low thermal load of the workpiece.
- The open structure and high flexibility of the non-woven material prevents loading.
- The disc is designed for working on large surfaces with variable-speed angle grinders.

D [Inch]	T [Inch]	H [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4-1/2	3/4	7/8	A	100	2,500	5,300	5	44692258	45891
				180	2,500	5,300	5	44692259	45892
				280	2,500	5,300	5	44692260	45893
5	3/4	7/8	A	100	2,300	3,800	5	44692261	45894
				180	2,300	3,800	5	44692262	45895
				280	2,300	3,800	5	44692263	45896

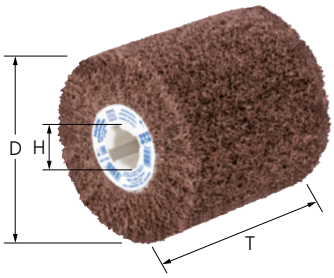
Interleaved construction

Interleaved abrasive and non-woven flaps with a fibreglass backer for face-down finishing work. Densely-stacked flaps for long service life and increased stock removal. The disc is designed for working on large surfaces with variable-speed angle grinders.

Special features:

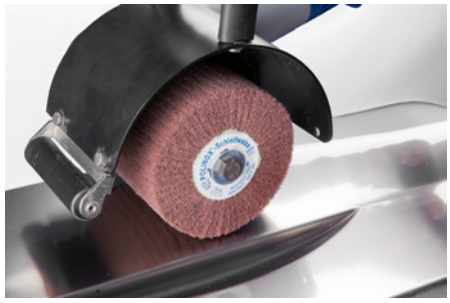
- Optimum adaptation to contours due to high flexibility. Cool grinding and low thermal load of the workpiece.
- The open structure and high flexibility of the non-woven material prevents loading.
- The disc is designed for working on large surfaces with variable-speed angle grinders.

D [Inch]	T [Inch]	H [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4-1/2	3/4	7/8	A	100	2,500	5,300	5	44692264	45911
				180	2,500	5,300	5	44692265	45912
5	3/4	7/8	A	100	2,300	3,800	5	44692266	45915
				180	2,300	3,800	5	44692267	45916



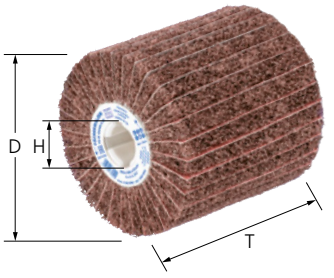
Radial construction

For work on large surfaces. The non-woven abrasive material with aluminum oxide A as the abrasive is arranged in multiple radial flaps. A long service life is achieved through the dense packing of the flaps.



Special features:
- Long service life due to tightly packed flaps. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents loading.
- The 3/4" center hole diameter with 4 key-ways fits all conventional drum grinders.

D [Inch]	T [Inch]	H [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4	4	3/4	A	80	2,500	4,800	1	47801097	43102
				100	2,500	4,800	1	44641010	43103
				180	2,500	4,800	1	44641018	43104
				280	2,500	4,800	1	44641028	43105
5	4	5/8-11	A	100	2,300	3,100	1	47802797	46786
				180	2,300	3,100	1	47802798	46787
				280	2,300	3,100	1	47802799	46788



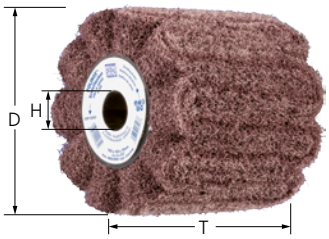
Interleaved construction

Made of radially arranged flaps of non-woven abrasive material. There is also abrasive cloth situated between the flaps. The flap structure facilitates improved stock removal and achieves a coarser surface finish.

Special features:
- Long service life due to tightly packed flaps. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents loading.
- The 3/4" center hole diameter with 4 key-ways fits all conventional drum grinders.

D [Inch]	T [Inch]	H [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4	4	3/4	A	60	2,500	4,800	1	44641106	43113
				80	2,500	4,800	1	44641108	43114
				120	2,500	4,800	1	44641112	43115
5	4	5/8-11	A	60	2,300	3,100	1	47802794	46789
				80	2,300	3,100	1	47802795	46790
				120	2,300	3,100	1	47802796	46791

Non-woven products
POLINOX® finishing drums



Corrugated construction

The non-woven abrasive comprises several very wavy strips of non-woven material wound around a core. The wavy structure of the non-woven material permits seamless brush matting of surfaces.

Special features:
- Long tool life thanks to tight, wavy flaps. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents loading.
- The 3/4" center hole diameter with 4 key-ways fits all conventional drum grinders.

D [Inch]	T [Inch]	H [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4	4	3/4	A	100	2,500	4,800	1	44641201	43003
				180	2,500	4,800	1	44641202	43004
				280	2,500	4,800	1	44641203	43005

Accessories

High-strength masking tape

The self-adhesive masking tape is used during finish machining with soft, flexible products such as non-woven products. Different grinding patterns in adjacent areas can be clearly separated.

Special features:
- The masking tape protects surfaces which have already been worked on, or are not supposed to be worked on.
- High elasticity and tear strength.
- High edge stability. Use only during finish machining with soft, flexible products, e.g. non-woven products.

Length [ft]	T [Inch]		Item no.	EDP no.
82	3/4	1	44250130	43000

High-strength masking tape

The self-adhesive masking tape is used to preserve the clear separation between different grinding patterns in adjacent stainless steel areas.

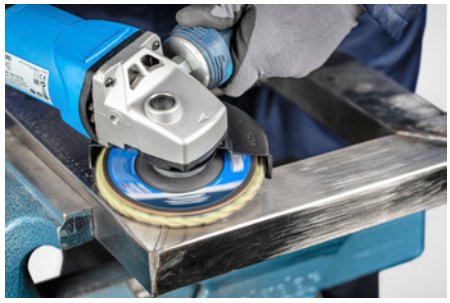
Special features:
- The masking tape protects surfaces which have already been worked on, or are not supposed to be worked on.
- Reusable and extremely high durability.
- High edge stability. To avoid its inadvertent removal, ensure that the masking tape is only loaded in the running direction of the tool.

Length [ft]	T [Inch]		Item no.	EDP no.
10	2	1	44250140	43001

POLIVLIES® flap discs

Aluminum oxide A

Flap discs with abrasive flaps made of aluminum oxide A for universal coarse to fine grinding applications in industry and professional trades.



Special features:
- Cost-effective due to high abrasive performance and durability.
- Creates a consistently high surface quality throughout the entire service life, as new sharp abrasive material is constantly exposed.
- Conforms to contours due to high flexibility.

D [Inch]	T [Inch]	H [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4-1/2	3/4	7/8	A	100 G	5,000 – 5,800	13,300	5	44694101	43273
				180 M	5,000 – 5,800	13,300	5	44694102	43274
				240 F	5,000 – 5,800	13,300	5	44694103	43275
5	3/4	7/8	A	100 G	4,600 – 5,300	12,200	5	44694111	43276
				180 M	4,600 – 5,300	12,200	5	44694112	43277
				240 F	4,600 – 5,300	12,200	5	44694113	43278
with stroke									
4-1/2	3/4	5/8-11	A	100 G	5,000 – 5,800	13,300	5	47202059	43285
				180 M	5,000 – 5,800	13,300	5	47202060	43286
				240 F	5,000 – 5,800	13,300	5	47202061	43287
5	3/4	5/8-11	A	100 G	4,600 – 5,300	12,200	5	47202062	43288
				180 M	4,600 – 5,300	12,200	5	47202063	43289
				240 F	4,600 – 5,300	12,200	5	47202064	43290

Continued on next page

D [Inch]	T [Inch]	H [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
X-LOCK mounting									
4-1/2	3/4	7/8	A	100 G	5,000 – 5,800	13,300	5	44694201	43303
				180 M	5,000 – 5,800	13,300	5	44694202	43304
				240 F	5,000 – 5,800	13,300	5	44694203	43305
5	3/4	7/8	A	100 G	4,600 – 5,300	12,200	5	44694211	43306
				180 M	4,600 – 5,300	12,200	5	44694212	43307
				240 F	4,600 – 5,300	12,200	5	44694213	43308

Flap discs POLIVLIES® CURVE PVL-R

POLIVLIES® CURVE flap discs have aluminum oxide A non-woven abrasive flaps for general coarse to fine grinding applications in industry and professional trades. The patented CURVE design is ideal for fillet welds and can be used on both the grinding side

Special features:
- Creates a consistently high surface quality throughout the entire service life, as new sharp abrasive material is constantly exposed.
- Conforms to contours due to high flexibility.
- Ideal for precise work on fillet welds due to the surrounding flaps.

D [Inch]	H [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4-1/2	7/8	A	100	5,800	13,300	5	44694121	45920
			180	5,800	13,300	5	44694122	45921
			240	5,800	13,300	5	44694123	45922
5	7/8	A	100	5,300	12,200	5	44694131	45923
			180	5,300	12,200	5	44694132	45924
			240	5,300	12,200	5	44694133	45925
with stroke								
4-1/2	5/8-11	A	100	5,800	13,300	5	47202190	45926
			180	5,800	13,300	5	47202191	45927
			240	5,800	13,300	5	47202192	45928
5	5/8-11	A	100	5,300	12,200	5	47202193	45929
			180	5,300	12,200	5	47202194	45930
			240	5,300	12,200	5	47202195	45931

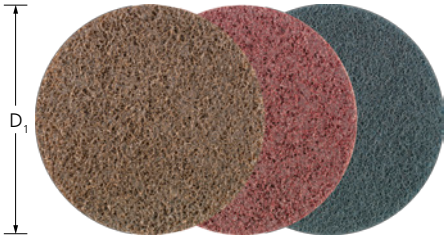
Ceramic oxide CO-COOL

Flap discs with abrasive flaps made of ceramic oxide grain CO-COOL and aluminum oxide A. Consistently high performance and aggressive grinding due to self-sharpening ceramic oxide grain. Active grinding additives improve the stock removal rate, prevent clogging and result in cooler grinding.

Special features:
- Cost-effective due to high abrasive performance and durability.
- Creates a consistently high surface quality throughout the entire service life, as new sharp abrasive material is constantly exposed.
- Conforms to contours due to high flexibility.

D [Inch]	T [Inch]	H [Inch]	Abrasive/grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
4-1/2	3/4	7/8	CO-COOL 60 / A 100 G	5,000 – 5,800	13,300	5	44695101	43297
			CO-COOL 80 / A 180 M	5,000 – 5,800	13,300	5	44695102	43298
			CO-COOL 120 / A 240 F	5,000 – 5,800	13,300	5	44695103	43299
5	3/4	7/8	CO-COOL 60 / A 100 G	4,600 – 5,300	12,200	5	44695111	43300
			CO-COOL 80 / A 180 M	4,600 – 5,300	12,200	5	44695112	43301
			CO-COOL 120 / A 240 F	4,600 – 5,300	12,200	5	44695113	43302
with stroke								
4-1/2	3/4	5/8-11	CO-COOL 60 / A 100 G	5,000 – 5,800	13,300	5	47803070	43309
			CO-COOL 80 / A 180 M	5,000 – 5,800	13,300	5	47803071	43310
			CO-COOL 120 / A 240 F	5,000 – 5,800	13,300	5	*47803072*	43311
5	3/4	5/8-11	CO-COOL 60 / A 100 G	4,600 – 5,300	12,200	5	47803073	43312
			CO-COOL 80 / A 180 M	4,600 – 5,300	12,200	5	47803074	43313
			CO-COOL 120 / A 240 F	4,600 – 5,300	12,200	5	47803075	43314

Discontinued product



PVKR Hook-and-Loop Discs

POLIVLIES® hook and loop discs are designed for grinding large surfaces. The flexible system includes a hook and loop disc and holder and can also be used on contours. The pre-punched holes mean that they can be ideally centred on and used with various backing pads.

Special features:
- High cost-effectiveness due to high abrasive performance and long service life. Highly flexible, enabling optimal adjustment to contours.
- Creates a consistently high surface quality throughout the entire service life, as new sharp abrasive material is constantly exposed.
- Please order POLIVLIES® hook and loop disc holders separately. Break out the pre-punched centering hole if required.

D_1 [Inch]	Abrasive	Grit size	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
4-1/2	A	100 G	3,300	5,300	47201449	10	42871306	43446
		180 M	3,300	5,300	47201449	10	42871310	43447
		240 F	3,300	5,300	47201449	10	42871318	43449
5	A	100 G	3,000	4,850	47201450	10	42871406	43450
		180 M	3,000	4,850	47201450	10	42871410	43451
		240 F	3,000	4,850	47201450	10	42871418	43453
7	A	100 G	2,200	3,500	47201452	10	42871606	43458
		180 M	2,200	3,500	47201452	10	42871610	43459
		240 F	2,200	3,500	47201452	10	42871618	43461

Hook and loop disc holders

PVKR hook and loop disc holder

Holder for POLIVLIES® hook and loop discs.

Special features:
- Reduced down time due to quick changes.
- Enables surface finishing without visible transitions.

D [Inch]	Thread	Max. RPM		Item no.	EDP no.
4-1/2	5/8-11	13,300	1	47201449	43410
5	5/8-11	12,200	1	47201450	43412
7	5/8-11	8,500	1	47201452	43420

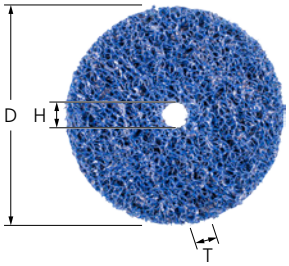
PVKR hook and loop disc holder with centering pin

Holder for POLIVLIES® hook and loop discs.

Special features:
- Enables faster central clamping.
- Reduced down time due to quick changes.
- Enables surface finishing without visible transitions.

D [Inch]	Thread	Max. RPM		Item no.	EDP no.
4-1/2	5/8-11	13,300	1	47601217	43407
5	5/8-11	12,200	1	47601218	43408
7	5/8-11	8,500	1	47601219	43409

POLICLEAN® products

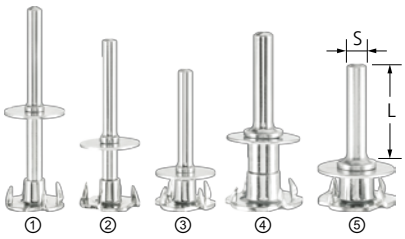


POLICLEAN® PLUS wheels

POLICLEAN® PLUS is a coarsely structured, aggressive, non-woven cleaning material made from a special combination of synthetic fibres, resin and abrasive grain, with increased service life and optimum aggressiveness. Designed for roughening and for coarse cleaning work such as removing paint, scale, heat discoloration, rust and adhesive residues in peripheral grinding.

Special features:
- Considerably higher stock removal rate, very good service life and very high aggressive performance.
- High flexibility and open structure mean optimal adaptation to contours and no loading of the product itself.
- Please order compatible arbor separately.

D [Inch]	T [Inch]	H [Inch]	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
4	1/2	1/2	3,000 – 3,800	7,500	33700108, 33700109, 33700113, 33700114	4	44692101	44791
6	1/2	1/2	2,000 – 2,500	5,100	33700108, 33700109, 33700113, 33700114	4	44692151	44792

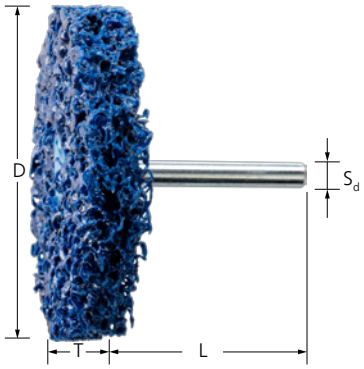


Drive arbors for POLICLEAN® PLUS wheels

Arbor for POLICLEAN® wheels. The different variants provide space for one or two discs.

Special features:
- Allows for quick and easy wheel changes. When replacing the discs, leave the arbor clamped in the tool drive.

Suitable for hole diameter [Inch]	S [Inch]	L [Inch]	Matching tool	Version		Item no.	EDP no.
1/2	1/4	1-1/2	44692101, 44692151	Packaging, 1x	1	33700108	44835
				Packaging, 2x	1	33700109	44836
	3/8	1-1/2	44692101, 44692151	Packaging, 1x	1	33700113	44838
				Packaging, 2x	1	33700114	44839



POLICLEAN® PLUS mounted wheels

POLICLEAN® PLUS is a coarsely structured, aggressive, non-woven cleaning material made from a special combination of synthetic fibres, resin and abrasive grain, with increased service life and optimum aggressiveness. Designed for roughening and for coarse cleaning work such as removing paint, scale, heat discoloration, rust and adhesive residues in peripheral grinding.

Special features:
- Considerably higher stock removal rate and a very good service life, very aggressive.
- High flexibility and open structure mean optimal adaptation to contours and no loading of the product itself.

D [Inch]	T [Inch]	S_d [Inch]	L [Inch]	H [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
2	1/2	1/4	1-1/2	1/4	6,000 – 7,000	15,000	5	*47803116*	44884
4	1/2	1/4	1-1/2	1/4	3,000 – 3,800	7,500	5	*47803120*	44888

Discontinued product

POLICLEAN® PLUS discs

POLICLEAN® is a coarsely structured, aggressive, non-woven cleaning material made from a special combination of synthetic fibres and abrasive grain. The non-woven cleaning material is glued onto a backer. For roughening and for coarse cleaning work such as removing paint, scale, heat discoloration, rust and adhesive residues.

Special features:

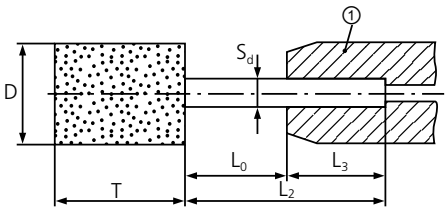
- Considerably higher stock removal rate, very good service life and very high aggressive performance.
- High flexibility and open structure mean optimal adaptation to contours and no loading of the product itself.
- Please order compatible arbor separately.

D [Inch]	T [Inch]	H [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
4-1/2	1/2	7/8	5,000 – 7,000	10,000	5	44692716	44874
		-5/8-11	5,000 – 7,000	10,000	5	47803076	44879
5	1/2	7/8	5,000 – 7,000	10,000	5	44692726	44875
		-5/8-11	5,000 – 7,000	10,000	45	47803077	44880

Poliflex® finishing products
General information

Explanation of the code system according to EN 12413:

D = Mounted point outer dia.
T = Mounted point width
S_d = Shank dia.
L_0 = Unsupported shank length
L_2 = Shank length
L_3 = Clamping length of shank
① = collet



Safety notes

The maximum rotational speeds for the various shank lengths and shank diameters are defined in DIN 69170 based on EN 12413. These must be adhered to in order to avoid buckling of the shank during use. Regardless of the length of the shank, the clamping length (L_3) of the shank must be at least 1/2". Each packaging unit of PFERD TOOLS mounted points contains the rotational speed specifications for the unsupported shank length (L_0) of that mounted point. Proper concentric accuracy and correct clamping of the tool drive must also be ensured.Tables with the maximum permitted rotational speeds for the entire PFERD TOOLS mounted point product range are available on request.
The maximum permitted rotational speed is determined by the following factors:

- Shape and dimensions of the mounted point
- Diameter of the steel shank S_d
- Unsupported shank length L_0

Wear eye protection!

Wear hearing protection!

Wear gloves!

Wear a dust mask!

Follow the safety instructions!

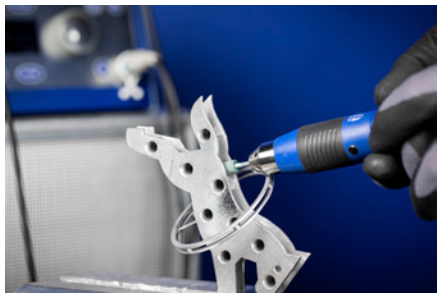
Quick product selection guide

① **Material group**
Select the material to be machined.

② **Application**
Select the application.

③ **Desired surface**
Select your desired surface finish.

④ **Bond**
After determining the application (see column ②), the appropriate bond is shown in the horizontal row.

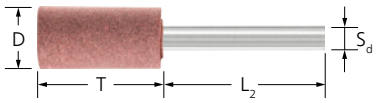


Poliflex® finishing products
Quick product selection guide

PFERD TOOLS

① Material group			② Application	③ Surface	Bond ▸ Elastomer bond		Resinoid bond
					Abrasive (grain mixtures) ▸ AR	AW	AN
					④ Designation/bond ▸ GR	LR	TX
					Recommended peripheral speed ▸ 2,000–2,400 SFPM	2,900–4,000 SFPM	4,000–5,000 SFPM
Steel, cast steel	Steels up to 370 HV (38 HRC)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, tempering steels, cast steel	Surface	Matte	○		
				Shiny	●	○	
			Edge	Matte	○		●
				Shiny			
	Hardened, heat-treated steels over 370 HV (38 HRC)	Tool steels, tempering steels, alloyed steels, alloyed cast steel	Surface	Matte	○		
				Shiny	○	●	
			Edge	Matte			●
				Shiny			
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels	Surface	Matte			
				Shiny	●	○	
			Edge	Matte			●
				Shiny		○	
			Universal	Structured			
Non-ferrous metals	Soft non-ferrous metals, non-ferrous metals	Aluminum alloys, brass, copper, zinc	Surface	Matte			○
				Shiny	○	●	
			Edge	Matte			●
				Shiny	○	●	
	Hard non-ferrous metals	Bronze, titanium, titanium alloys, hard aluminum alloys (high Si content)	Surface	Matte			●
				Shiny	○		
			Edge	Matte			●
				Shiny			
	High-temperature-resistant materials	Nickel-based and cobalt-based alloys (engine and turbine construction)	Surface	Matte			●
				Shiny	●		
			Edge	Matte			●
				Shiny			

● = highly recommended ○ = recommended

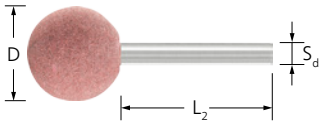


Poliflex® finishing points series W

This bond is a soft bond with pink-colored aluminum oxide on an elastomer-based system. Suitable for use on surfaces. Cylindrical shape grinding pin for fine grinding of small surfaces.

Special features:
- Soft grinding due to soft, elastic bond.
- Produces a fine, shiny surface finish.

Shape	D [Inch]	T [Inch]	S_d [Inch]	L_2 [Inch]	Abrasive	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
W 170	5/16	1/2	1/8	1-1/4	A	120	29,000	54,860	100	*47000801*	36121
W 175	3/8	3/8	1/8	1-1/4	A	120	24,000	57,530	10	47000510	36141
W 185	1/2	1/2	1/8	1-1/4	A	120	18,000	42,750	100	*47000707*	36171
W 178	3/8	1	1/4	1-1/2	A	120	24,000	40,360	10	*47000596*	36191
W 196	5/8	1	1/4	1-1/2	A	120	14,500	34,670	10	47000842	36251
W 230	1-1/4	1-1/4	1/4	1-1/2	A	120	7,200	25,200	5	*41830112*	36331

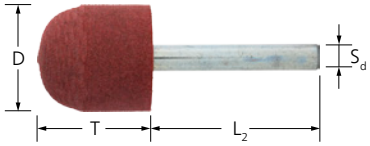


Series A and B

Poliflex® finishing points with the rubber bond are manufactured with pink aluminum oxide. The rubber (GR) bond is an elastomer-based soft bond. Ideal for use on surfaces. Finishing point in ball shape for fine grinding inner radii, contours and transitions.

Special features:
- Soft grinding due to soft, elastic bond.
- Produces a fine, shiny surface finish.

Shape	D [Inch]	S_d [Inch]	L_2 [Inch]	Abrasive	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
A 26	3/5	1/4	1-1/2	A	120	14,000	49,980	10	*47000594*	36431
A 40	3/4	1/4	1-1/2	A	120	12,000	50,930	10	*47000595*	36441



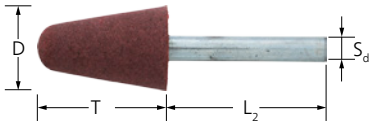
Series A

Poliflex® finishing points with the rubber bond are manufactured with pink aluminum oxide. The rubber (GR) bond is an elastomer-based soft bond. Ideal for use on surfaces. Finishing point in cylindrical shape with radius end, for structuring small surfaces, transitions and inner radii.

Special features:
- Soft grinding due to soft, elastic bond.
- Produces a fine, shiny surface finish.

Shape	D [Inch]	T [Inch]	S_d [Inch]	L_2 [Inch]	Abrasive	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
A 21	1	1	1/4	1-1/2	A	120	9,000	35,510	10	*47000592*	36491

Poliflex® finishing products
Rubber bond



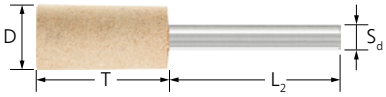
Series A

Poliflex® finishing points with the rubber bond are manufactured with pink aluminum oxide. The rubber (GR) bond is an elastomer-based soft bond. Ideal for use on surfaces. Finishing point in conical shape for fine grinding inner radii, contours and transitions.

Special features:
- Soft grinding due to soft, elastic bond.
- Produces a fine, shiny surface finish.

Shape	D [Inch]	T [Inch]	S_d [Inch]	L_2 [Inch]	Abrasive	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
A 12	11/16	1-1/6	1/4	1-1/2	A	120	13,000	38,050	10	*47000591*	36481

Leather bond



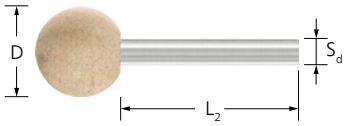
Poliflex® finishing points series W

Poliflex® finishing points with the leather bond are manufactured with white aluminum oxide. The leather (LR) bond is a hard, sturdy bond. Ideal for use on surfaces.

Special features:
- Produces a fine, shiny surface finish.
- Cost-effective due to high abrasive performance and durability.

Shape	D [Inch]	T [Inch]	S_d [Inch]	L_2 [Inch]	Abrasive	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
Cylinders	5/16	5/16	1/8	1-1/6	A	120	47,500	71,600	10	41201212	-
	3/8	3/8	1/8	1-1/6	A	120	38,000	57,200	10	41207212	-
W 162	1/4	3/8	1/8	1-1/4	A	120	60,000	67,210	10	47000729	36105
W 170	5/16	1/2	1/8	1-1/4	A	120	48,000	54,860	10	*41807212*	36125
W 176	3/8	5/8	1/8	1-1/4	A	120	40,000	50,460	10	*47000607*	36155
W 196	3/5	1	1/4	1-1/2	A	120	24,000	34,670	10	*47000804*	36255
W 204	3/4	3/4	1/4	1-1/2	A	120	24,000	36,510	10	41824212	36285

Discontinued product

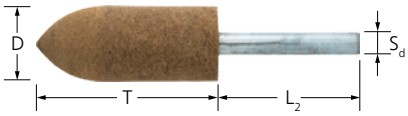


Series A and B

Poliflex® finishing points with the leather bond are manufactured with white aluminum oxide. The leather (LR) bond is a hard, sturdy bond. Ideal for use on surfaces.

Special features:
- Produces a fine, shiny surface finish.
- Cost-effective due to high abrasive performance and durability.

Shape	D [Inch]	S_d [Inch]	L_2 [Inch]	Abrasive	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
B 122	3/8	1/8	1-1/4	A	120	40,000	68,740	10	47000485	36365



Series A and B

Poliflex® finishing points with the leather bond are manufactured with white aluminum oxide. The leather (LR) bond is a hard, sturdy bond. Ideal for use on surfaces.

Special features:
- Produces a fine, shiny surface finish.
- Cost-effective due to high abrasive performance and durability.

Shape	D [Inch]	T [Inch]	S_d [Inch]	L_2 [Inch]	Abrasive	Grit size	Opt. RPM 1/2" overhang	Max. RPM 1/2" overhang		Item no.	EDP no.
B 52	3/8	3/4	1/4	1-1/2	A	120	40,000	78,340	10	*47000652*	36505

TX bond

TX INOX + ALU

Very hard, sturdy bond made of regular aluminum oxide with textile fabric inlays. Suitable for fine face-down grinding on large surfaces.

Special features:
- Produces a fine, matte surface finish.
- Cost-effective due to high abrasive performance and durability.

D [Inch]	T [Inch]	H [Inch]	Abrasive	Grit size	Max. RPM		Item no.	EDP no.
4-1/2	1/4	7/8	A	36	13,300	10	69901219	61433
				54	13,300	10	69901220	61434
		5/8-11	A	36	13,300	10	69901221	61442
				54	13,300	10	69901222	61443

Discontinued product

Safety notes

- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.

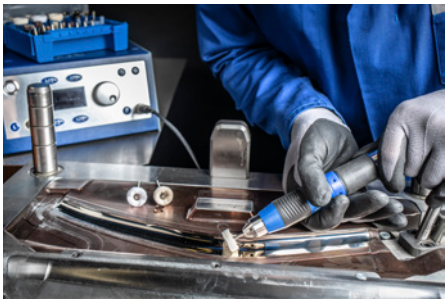
Wear eye protection!

Wear hearing protection!

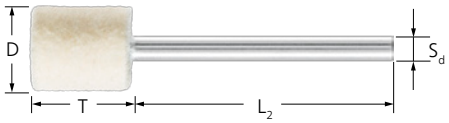
Wear gloves!

Wear a dust mask!

Follow the safety instructions!



Felt points

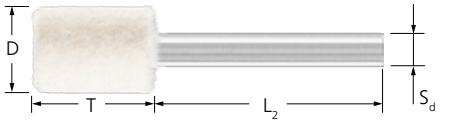


Cylindrical shape

The cylindrical shape is mainly used peripherally for pre-polishing and high-gloss polishing. Can be profiled as desired, meaning they can also be used on workpieces with complex geometries. Precise retention of geometric shapes due to the hardness of these points.

Special features:
- Excellent results with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

D [Inch]	T [Inch]	S_d [Inch]	L_2 [Inch]	Version	Opt. RPM	Max. RPM		Item no.	EDP no.
1/4	3/8	1/8	1-5/8	M (medium)	16,000 – 32,000	79,500	10	47901186	48520
5/16	3/8	1/8	1-5/8	M (medium)	12,000 – 24,000	59,500	10	47901187	48521
3/8	9/16	1/8	1-5/8	M (medium)	10,000 – 20,000	47,500	10	47901188	48522
		1/4	1-5/8	M (medium)	10,000 – 20,000	47,500	10	47901189	48523

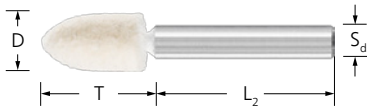


Cylindrical shape

The cylindrical shape is mainly used face-down for pre-polishing and high-gloss polishing. Can be profiled as desired, meaning they can also be used for products with complex geometries. Precise retention of geometric shapes due to the hardness of these points.

Special features:
- Excellent results with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.
- Ideal for face-down use.

D [Inch]	T [Inch]	S_d [Inch]	L_2 [Inch]	Version	Opt. RPM	Max. RPM		Item no.	EDP no.
9/16	3/4	1/4	1-5/8	M (medium)	6,000 – 12,000	31,500	10	47901190	48524
3/4	1	1/4	1-5/8	M (medium)	5,000 – 10,000	23,500	10	47901191	48525
1	1-1/4	1/4	1-5/8	M (medium)	4,000 – 8,000	19,000	10	47901192	48526

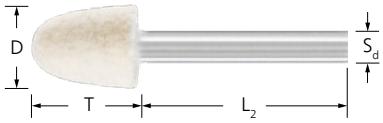


Conical pointed shape

Conical pointed shape

Special features:
- Precise retention of geometric shapes due to the hardness of these products.
- Can be freely shaped, meaning they can be used on complicated geometries.
- Excellent results with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

D [Inch]	T [Inch]	S_d [Inch]	L_2 [Inch]	Version	Opt. RPM	Max. RPM		Item no.	EDP no.
5/16	1/2	1/8	1-5/8	M (medium)	12,000 – 24,000	59,500	10	*47901197*	48570
3/8	3/4	1/8	1-5/8	M (medium)	10,000 – 20,000	47,500	10	*47901198*	48571



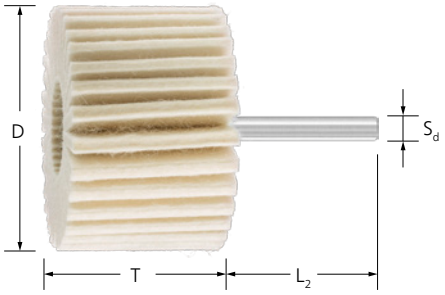
Conical shape with radius end

The conical shape with radius end is mainly used for pre-polishing and high-gloss polishing of radii.

Special features:
- Precise retention of geometric shapes due to the hardness of these products.
- Can be freely shaped, meaning they can be used on complicated geometries.
- Excellent results with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

D [Inch]	T [Inch]	S_d [Inch]	L_2 [Inch]	Version	Opt. RPM	Max. RPM		Item no.	EDP no.
9/16	3/4	1/4	1-5/8	M (medium)	6,000 – 12,000	31,500	10	47901204	48600
3/4	1	1/4	1-5/8	M (medium)	5,000 – 10,000	23,500	10	47901205	48601
1	1-1/4	1/4	1-5/8	M (medium)	4,000 – 8,000	19,000	10	47901206	48602
1-1/4	1-3/8	1/4	1-5/8	M (medium)	3,000 – 6,000	15,500	10	47901207	48603

Discontinued product



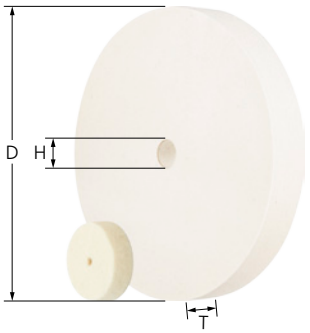
Mounted felt flap wheels

Felt flap wheels are used for pre-polishing and high-gloss polishing of small to medium-sized components.

Special features:
- Optimum adaptation to contours due to high flexibility. Cool grinding and low thermal load of the workpiece.
- If very fine finishes need to be achieved, the two types can be used successively.
- Use a polishing paste bar. Please order separately.

D [Inch]	T [Inch]	S_d [Inch]	L_2 [Inch]	Version	Opt. RPM	Max. RPM		Item no.	EDP no.
1	1	1/4	1-1/2	W (soft)	7,500	24,500	5	47901226	48542
				H (hard)	7,500	24,500	5	47901225	48543
2	1	1/4	1-1/2	H (hard)	3,800	12,000	5	47901227	48547
3	2	1/4	1-1/2	W (soft)	2,400	7,500	5	47901232	48552
				H (hard)	2,400	7,500	5	47901231	48553

Felt wheels

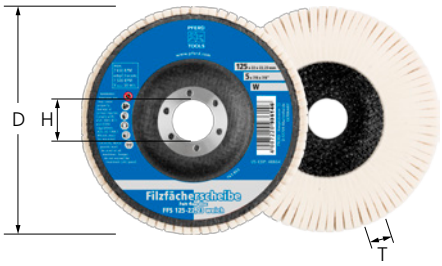


Felt wheels

Felt wheels are mainly used on edge.

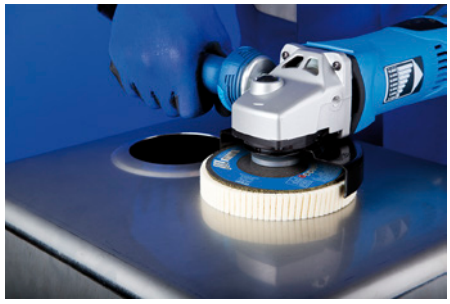
Special features:
- Precise retention of geometric shapes due to the hardness of these products.
- Use diamond polishing pastes and polishing paste bars. Please order polishing pastes and compatible arbor separately.

D [Inch]	T [Inch]	H [Inch]	Version	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
Discs									
1-1/4	1/4	1/4	M (medium)	3,000 – 6,000	20,000	33700132	5	44101742	48690
1-3/4	3/8	1/4	M (medium)	2,000 – 4,000	13,500	33700132	5	44101732	48691
2-1/4	3/8	1/4	M (medium)	1,500 – 3,000	10,000	33700132	5	44316010	48692
3	3/8	3/8	M (medium)	1,000 – 2,000	7,500	33700093	5	44367010	48693
4	3/4	3/8	M (medium)	900 – 1,800	6,100	-	1	44367110	48695
5	3/4	3/4	M (medium)	750 – 1,500	4,900	33700140	1	44367220	48697
6	1	3/4	M (medium)	600 – 1,200	4,000	33700140	1	44367320	48699
8	1-1/4	3/4	M (medium)	500 – 1,000	3,000	33700140	1	44367420	48700



Felt flap discs

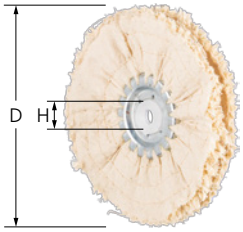
Felt flap discs are used for pre-polishing and high-gloss polishing of medium- to large-sized components.



Special features:
- Optimum adaptation to contours due to high flexibility. Cool grinding and low thermal load of the workpiece.
- Use a polishing paste bar. Please order separately.

D [Inch]	T [Inch]	H [Inch]	Version	Opt. RPM	Max. RPM		Item no.	EDP no.
4-1/2	7/8	7/8	W (soft)	1,650	8,350	5	44370115	48802
			H (hard)	1,650	8,350	5	44371115	48803
5	7/8	7/8	W (soft)	1,500	7,650	5	44370125	48804
			H (hard)	1,500	7,650	5	44371125	48805

Cloth rings

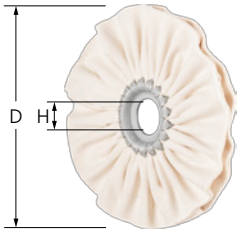


Cloth rings with hole, ST type

For coarse pre-polishing with polishing pastes. Please order corresponding polishing pastes and arbor separately.

Special features:
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- ST (sisal cloth) = Coarse pre-polishing

D [Inch]	Usage width [Inch]	H [Inch]	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
3	3/4	3/8	2,500	7,500	33700093	5	44270802	48710
4	3/4	3/8	1,900	6,100	33700093	5	44271003	48711
6	1	3/4	1,250	4,000	33700140	5	44271503	48713
8	1	3/4	950	3,000	33700140	5	44272003	48714

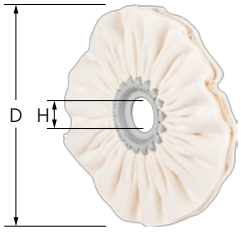


Cloth rings with hole, TH type

For pre-polishing with polishing pastes. Please order corresponding polishing pastes and arbor separately.

Special features:
- Conforms to contours due to high flexibility.
- The hard cloth enables pre-polishing.

D [Inch]	Usage width [Inch]	H [Inch]	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
3	3/8	3/8	2,500	7,500	33700093	5	44270803	48720
4	3/8	3/8	1,900	6,100	33700093	5	44271004	48721
6	3/8	3/4	1,250	4,000	33700140	5	44271504	48723
8	3/8	3/4	950	3,000	33700140	5	44272004	48724

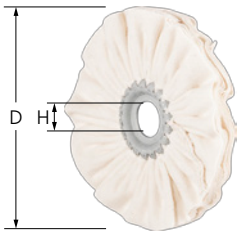


Cloth rings with hole, TW type

For high-gloss polishing with polishing pastes. Please order polishing pastes and arbor separately.

Special features:
- The soft cloth enables high-gloss polishing.
- Conforms to contours due to high flexibility.

D [Inch]	Usage width [Inch]	H [Inch]	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
3	3/8	3/8	2,500	7,500	33700093	5	44270804	48730
4	3/8	3/8	1,900	6,100	33700093	5	44271005	48731
6	3/8	3/4	1,250	4,000	33700140	5	44271505	48733
8	3/8	3/4	950	3,000	33700140	5	44272005	48734

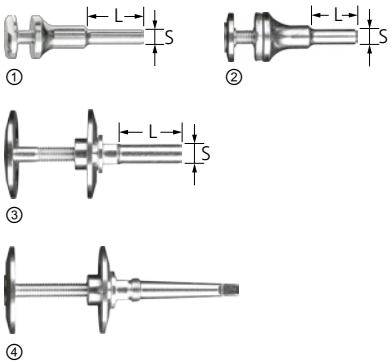


Cloth rings with hole, FL type

For high-gloss polishing with polishing pastes. Please order polishing pastes and arbor separately.

Special features:
- Conforms to contours due to high flexibility.
- The flannel cloth enables high-gloss polishing and buffing.

D [Inch]	Usage width [Inch]	H [Inch]	Opt. RPM	Max. RPM	Suitable arbors		Item no.	EDP no.
3	3/8	3/8	2,500	7,500	33700093	5	44270805	48740
4	3/8	3/8	1,900	6,100	33700093	5	44271006	48741
6	3/8	3/4	1,250	4,000	33700140	5	44271506	48743
8	3/8	3/4	950	3,000	33700140	5	44272006	48744



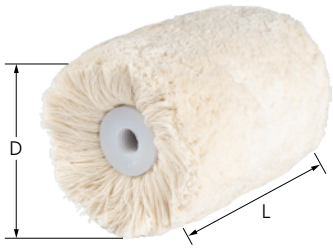
Arbor for felt wheels and cloth rings BO

Matching arbors for felt wheels and cloth rings.

Special features:
- Reduced down time due to quick changes.

Image	Suitable for hole diameter [Inch]	S [Inch]	L [Inch]	Clamping width [Inch]		Item no.	EDP no.
①	1/2, 5/8	1/4	-	1/8 – 1/2	5	79184656	84656
②	3/8	1/4	7/8	0 – 5/16	10	33700093	69027
③	1/4	1/4	1	1/8 – 1/4	1	33700132	69029
④	1/2, 3/4	3/8	1	1/4 – 1	1	33700140	69032

Cloth ring drum



Polishing drum

Due to the soft cotton yarn, ideal for high-gloss polishing with polishing pastes in tool and die-making. The ends of the threads provide optimum absorption of the polishing paste. Please order corresponding polishing pastes and arbor separately.

Special features:
- Conforms to contours due to high flexibility.
- Can be freely shaped, meaning they can be used on complicated geometries.

D [Inch]	Usage width [Inch]	Thread	Opt. RPM	Max. RPM		Item no.	EDP no.
4	4	5/8-11	3,500	3,500	1	47900076	48842

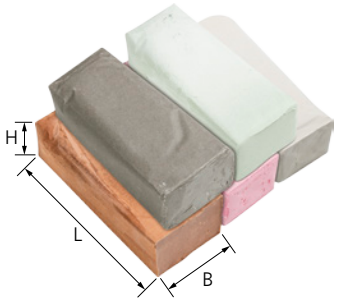
Grinding and polishing pastes
Polishing paste bars and grinding pastes

Grinding pastes

Oil-soluble grinding pastes with sharp-edged SiC grain.

Special features:
- High productivity.
- Quick results.
- Specialized system.

Grit size	Contents [oz]	Contents [grams]		Item no.	EDP no.
90	8.82	250	1	44220090	48770
150	8.82	250	1	44220150	48771
280	8.82	250	1	44220280	48772
360	8.82	250	1	44220360	48773
600	8.82	250	1	44220600	48774
800	8.82	250	1	44220800	48775



Polishing paste bars

Apart from being used with felt products, polishing pastes are also used in combination with cloth rings and buffing drums for pre-polishing and high-gloss polishing. If the intention is to achieve very smooth surface finishes, use several or even all types successively.

Special features:
- Intended applications for the different types: ST (sisal cloth) = Coarse pre-polishing with green, grey, or brown pastes TH (hard cloth) = Pre-polishing with green, grey, or brown pastes TW (soft cloth) = High-gloss polishing with pink or beige pastes FL (flannel) = High-gloss polishing/buffing with pink or beige pastes
- PP 4, PP 5: Use cloth rings in the TW (soft cloth) version for high-gloss polishing, and cloth rings in the FL (flannel) version for high-gloss polishing/buffing.

Version	Use for	Contents [oz]	Contents [grams]	Color code	B [Inch]	H [Inch]	L [Inch]		Item no.	EDP no.
Bulk pack										
Pre-polishing	Steel + INOX	38.8	1,100	green	2-3/4	2	5-1/2	1	44250001	48760
	Aluminum + brass	45.8	1,300	grey	2-3/4	2	5-1/2	1	44250002	48761
	Non-ferrous metals	40.5	1,150	brown	2-3/4	2	5-1/2	1	44250003	48762
High-gloss polishing	All metals	40.5	1,150	pink	2-3/4	2	5-1/2	1	44250004	48763
	Plastics	38.8	1,100	beige	2-3/4	2	5-1/2	1	44250005	48764
Small pack										
Pre-polishing	Steel + INOX	3.8	108	green	1	1-1/4	3-1/2	1	44250006	48765
	Aluminum + brass	5	142	grey	1	1-1/4	3-1/2	1	44250007	48766
	Non-ferrous metals	3.9	111	brown	1	1-1/4	3-1/2	1	44250008	48767

Continued on next page

Grinding and polishing pastes
Polishing paste bars and grinding pastes

Version	Use for	Contents [oz]	Contents [grams]	Color code	B [Inch]	H [Inch]	L [Inch]		Item no.	EDP no.
High-gloss polishing	All metals	4.7	132	pink	1	1-1/4	3-1/2	1	44250009	48768
	Plastics	3.6	104	beige	1	1-1/4	3-1/2	1	44250010	48769

Diamond polishing pastes

Diamond polishing pastes

Diamond polishing pastes are used for work on hard materials, such as tungsten carbide and hardened steels. They are used in combination with felt polishing elements. Diamond polishing pastes can be diluted and dissolved with water and alcohol.

Special features:
- Can be thinned and dissolved with water and alcohol.
- High productivity. Quick results. Coordinated selections of grits.

Grit size [µm]	Contents [fl oz]	Contents [grams]	Colour of sealing cap		Item no.	EDP no.
ECO DPP						
30	0.35	10	brown	1	44240202	48799
15	0.35	10	blue	1	44240192	48798
10	0.35	10	light blue	1	44240182	48797
7	0.35	10	red	1	44240172	48796
3	0.35	10	green	1	44240162	48795
1	0.35	10	yellow	1	44240152	48794

Cleaner

Universal cleaner

Highly effective, general workshop cleaner for cleaning and de-greasing components as a preparation for painting. Removes polishing paste residue, processing oils, corrosion-protection oils, light waxes and other types of contamination.

Special features:
- Short drying time. Non-combustible.
- Versatile.

Contents [fl oz]	Contents [ml]		Item no.	EDP no.
16.9	500	1	42200060	48747

INOX SHINER IS-S maintenance product

Maintenance product for protecting and caring for stainless steel (INOX), aluminum, non-ferrous metals, glass and plastic. Removes dust, fingerprints, oil and light scale deposits.

Special features:
- Leaves a dry, glossy protective film.
- Very easy to use. No cleaning marks.
- Versatile.

Contents [fl oz]	Contents [ml]		Item no.	EDP no.
16.9	500	1	42200055	48748

PFERD
TOOLS

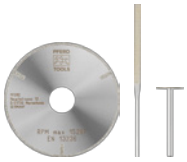
5

Diamond and CBN tools

Diamond and CBN tools
Table of contents

Diamond and CBN tools

- Highlights from the PFERD TOOLS range 339
- Customer-specific products made to order 340
- Quick product selection guide 341
- Materials 342
- Safety notes and recommended cutting speeds 342
- Grit sizes 343
- Recommended rotational speed range 344



Diamond and CBN tools – electroplated bond

- Diamond needle files 344
- Diamond riffler files 348
- Diamond handy files 348
- Diamond machinist files 350
- Flexible diamond files 351
- Diamond sheets 352
- Diamond grinding points 352
- Diamond cut-off wheels 353
- Diamond grinding discs CC-GRIND® SOLID DIAMOND 354
- Diamond grinding discs DUODISC® DIAMOND 354

Diamond tools for the construction industry

- Segmented diamond cut-off wheels for fast cutting 358
- Carbide cut-off wheel for general-purpose cutting 359

5

Diamond and CBN tools
Highlights from the PFERD TOOLS range

DUODISC DIAMOND

The DUODISC diamond grinding disc is ideally suited for machining grey and nodular cast iron (GG and GGG, or GJL and GJS). It is best used for roughing and deburring work in fettling shops. The wheel's geometry allows for the removal of small feeders and risers. Scan the QR code to learn more about the DUODISC diamond grinding disc.

Advantages:
- Constant product diameter.
- Reduced product change times due to long service life.
- Dust minimization, since the tool does not wear out.

Multi Power Carbide Wheel

The Multi Carbide Wheel is a general-purpose cut-off wheel and the perfect solution for demanding cutting tasks in the construction industry and in DIY applications. With sharp tungsten carbide grains, this cut-off wheel ensures excellent cutting quality and short cutting times on all kinds of materials such as wood with nails, plastics, non-ferrous metals, and drywall construction materials.

Scan the QR code to find out more about the general-purpose cut-off wheel.
- Ideal choice for a variety of materials.
- Optimum cutting speed due to consistent diameter and high ease of cutting.
- Long service life due to unique high-quality bonding of the tungsten carbide grain to the steel body.

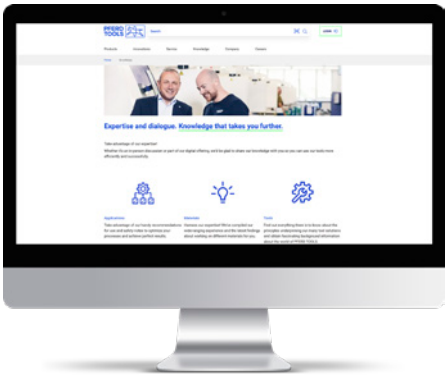
Diamond tools for the construction industry

PFERD TOOLS diamond tools are the ideal solution for demanding projects which involve working on hard materials such as concrete, asphalt, granite or tiles. The broad product range offers the right tool for any application, ensuring the best results and improving the cost-effectiveness of your building projects. Scan the QR code to find out more about diamond tools for the construction industry.

Advantages:
- Optimum results.
- Maximum efficiency and safety.
- Comprehensive product range for a wide range of uses.

Find additional in-depth information online

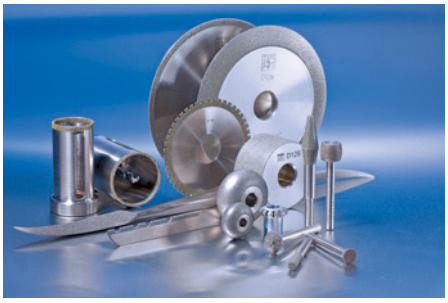
Scan the QR code to find out a wide range of tool and application knowledge relating to PFERD TOOLS' high-quality tools and their huge variety of materials.



Diamond and CBN tools

Customer-specific products made to order

PFERD TOOLS specializes in consulting and manufacturing custom electroplated diamond and CBN tools. Virtually all base body geometries can be coated with different grit sizes. The electroplated bond also enables cost-effective production of small batch sizes. Thanks to this wide range of possibilities, our manufacturing department can respond to individual customer requests with a high degree of flexibility. Our technical advisers will work with you on-site to develop a customized and cost-effective tooling solution for your machining task. Expert advice with super-hard solutions! Scan the QR code to learn more about custom-made products tailored to your needs.



Customer-specific product solutions for grey and nodular cast iron

Tools for auxiliary spindles

PFERD TOOLS offers tools for auxiliary spindles in different shapes/geometries and dimensions as well as with different thread sizes.

Cut-off wheels and grinding discs

Diamond cut-off wheels and diamond grinding discs from PFERD TOOLS can be purchased in diameters of up to 24 inches. Shapes and dimensions (hole, radius, reference circle, etc.) can be produced according to customer requirements.

Grinding points and grinding drums

The range of PFERD TOOLS products that can be produced according to customer requirements includes diamond grinding drums and diamond grinding points. These can be customized with different shapes, dimensions and shanks.

1. Process analysis and product development

Contact us at www.pferd.com and arrange an appointment with our experienced sales representatives and technical advisers.If you already have precise ideas about the desired product, you can provide us with a technical drawing or a dimensioned sketch and information on the desired abrasives and grit sizes. Our employees will analyze your application with you on-site and develop the most economic individual tool solution for you. Three production variants are possible:

2. Production

- **Complete production**
  From design and construction, through manufacture of the tool blank (steel, stainless steel or brass) and its coating with diamond or CBN grit, to the balancing of the finished tool, PFERD TOOLS offers you all the production steps from a single source. This guarantees you the highest level of quality, flexibility and on-time delivery.
- **Coating**
  Steel, stainless steel or brass blanks provided by the customer can also be coated with diamond or CBN grit. Close cooperation at an early stage is recommended.
- **Recoating**
  PFERD TOOLS offers recoating of blunt tools with steel or stainless steel blanks as an economical alternative to replacement production. Tools with brass blanks cannot be recoated.

3. Use

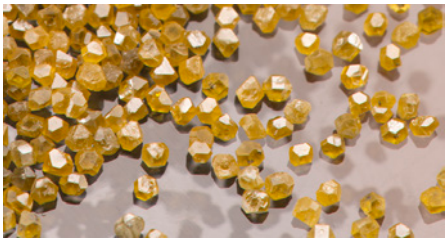
Our flexible production and global logistics network ensure that you receive your new tool on time.
If desired, your personal sales representative and a technical adviser will set up all the process parameters together with you.
See the quality, performance and economic value of products from PFERD TOOLS for yourself!

Diamond and CBN tools
Quick product selection guide

Use	Material	Application	Tools	
Filing	Hardened steels, tungsten carbide, ceramics, glass, ferrite, nickel-based and titanium-based alloys	Precision filing	Diamond files	
		Machining concave and convex surfaces	Flexible diamond files	
			Diamond sheets	
	Fibre-reinforced plastics (GRP/CRP)	Deburring, chamfering and breaking of edges	Diamond machinist's files, grit size D 251	
Grinding	Tungsten carbide, ceramics, glass, ferrite (magnetic material), nickel-based and titanium-based alloys	Grinding of bores, radii, contours, profiles and shoulders, as well as deburring and chamfering	Electroplated diamond grinding points	
			Diamond grinding disc CC-GRIND® SOLID DIAMOND	
		Internal grinding of bores	Electroplated diamond grinding points, cylindrical shape W	
	Fibre-reinforced plastics (GRP/CRP)	Deburring, chamfering and general grinding work	Diamond grinding disc CC-GRIND® SOLID DIAMOND	
	Grey and nodular cast iron	Grinding burning-ins, sand inclusions and adhesions and separating short risers and feeders	DUODISC® DIAMOND	
Cutting	Tungsten carbide, ceramics, glass, ferrite, nickel-based and titanium-based alloys	Cutting	Diamond cut-off wheels, grit size D 64/D 151	
	Fibre-reinforced plastics (GRP/CRP)	Cut-off grinding, trimming, making cut-outs, and cutting straight contours to size	Diamond cut-off wheels, grit size D 357/D 427	

5

Diamond and CBN abrasives are used when materials cannot be machined with conventional abrasives such as aluminum oxide or silicon carbide. They also provide a more economical solution for many applications. Due to high chemical wear, rotating diamond tools are not suitable for work on steel. CBN tools are used for these applications. The two abrasives complement each other ideally. In the adjacent overview, you will find various materials associated with the abrasives.



Diamond
- Duroplastics, in particular with glass or carbon fiber reinforcement (GRP and CRP)
- Ferrite (magnetic material)
- Glass
- Graphite and synthetic carbon
- Grey and nodular cast iron
- Tungsten carbide
- Nickel or titanium-based superalloys
- Technical ceramics
- Wear-resistant coatings (powder metal alloys and hardfacing alloys)

CBN
- Case-hardened steels
- Roller-bearing and ball-bearing steels
- Tool steels
- Other hardened steel materials with a hardness from approx. 54 HRC

Safety notes and recommended cutting speeds

Safety notes

The operator is responsible for the grinding application, including correct tool drive use, correct handling and use of the grinding products.

Wear eye protection!

Wear hearing protection!

Wear gloves!

Wear a dust mask!

Follow the safety instructions!

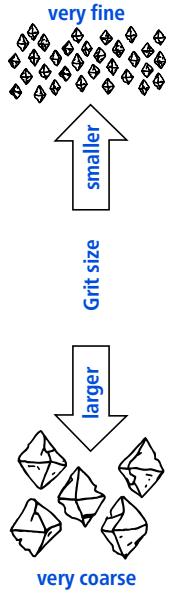
Recommended peripheral speeds

The recommended cutting speed ranges depend on the application and must not exceed the maximum permissible peripheral speed. Because of the wide range of tasks and application fields of electroplated diamond and CBN tools, as well as the large influence of the employed tool drive, it is not possible to specify a generally valid cutting speed. The recommended cutting speed ranges serve as reference values.

Generally, the following applies:
- In dry grinding, do not use diamond tools at too high a cutting speed in order to avoid thermal damage to the abrasive.
- If possible, do not use CBN tools under the cutting speeds specified below. The optimum cutting speed has a direct effect on the economic efficiency of the tools in use.
- All parameters must always be coordinated with each other within the grinding process. If the cutting speed is changed, the feed, infeed and coolant supply, among others, must be adjusted accordingly.
- Electroplated diamond and CBN tools can be used in dedicated stationary applications up to a peripheral speed of 25,000 SFPM.

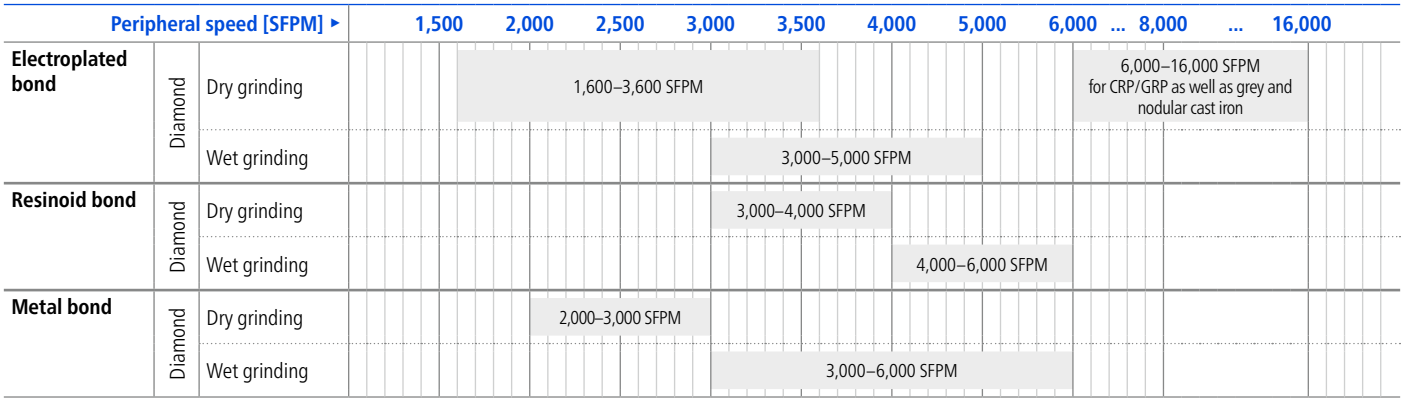
Diamond and CBN tools
Grit sizes

The grit size specifications for diamond and CBN tools correspond to the average grain diameter in [µm]. This means that the larger the number specified in the grit designation, the coarser the grit. A coarse grit increases material removal and the surface roughness of the workpiece. The selection of the optimal grit size depends on the specific application, the material to be machined, the tool drive used, and a variety of other factors. As a general rule: The harder the material to be machined and the finer the desired surface finish, the finer the grain size should be selected.



Grit sizes	Grit designations [µm] ISO 6106 (FEPA Standard)		Equivalent US mesh number/inch US Mesh Size
	Diamond	CBN	
Micro-grit	D 25 / D 30	-	-
	D 46	B 46	325/400
	D 54	B 54	270/325
	D 64	B 64	230/270
	D 76	B 76	200/230
	D 91	B 91	170/200
	D 107	B 107	140/170
	D 126	B 126	120/140
	D 151	B 151	100/120
	D 181	B 181	80/100
	D 213	B 213	70/80
	D 251	-	60/70
	-	B 252	60/80
	D 301	B 301	50/60
	D 357	B 357	45/50
	D 427	B 427	40/50
	D 502	-	35/45
	D 602	-	30/40
	D 711	-	25/30
	D 852	-	20/30
	D 1001	-	16/20

Safety notes and recommended cutting speeds



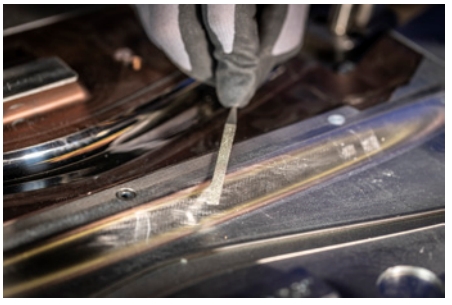
Product dia. [Inches]	Peripheral speed [SFPM]													
	1,500	2,250	3,000	3,750	4,500	5,250	6,000	6,750	7,500	8,250	9,000	9,750	10,500	11,250
	Rounded rotational speed [RPM]													
1/16	91,000	-	-	-	-	-	-	-	-	-	-	-	-	-
5/64	72,800	-	-	-	-	-	-	-	-	-	-	-	-	-
1/8	48,500	72,800	97,000	-	-	-	-	-	-	-	-	-	-	-
5/32	36,400	54,600	72,800	91,000	-	-	-	-	-	-	-	-	-	-
3/16	29,100	43,700	58,200	72,800	87,300	-	-	-	-	-	-	-	-	-
1/4	24,300	36,400	48,500	60,600	72,800	84,900	97,000	-	-	-	-	-	-	-
5/16	18,200	27,300	36,400	45,500	54,600	63,700	72,800	81,900	91,000	-	-	-	-	-
3/8	14,600	21,800	29,100	36,400	43,700	50,900	58,200	65,500	72,800	80,000	87,300	94,600	-	-
5/8	9,700	14,600	19,400	24,300	29,100	34,000	38,800	43,700	48,500	53,400	58,200	63,100	67,900	72,800
7/8	6,600	9,900	13,200	16,500	19,800	23,200	26,500	29,800	33,100	36,400	39,700	43,000	46,300	49,600
1-5/8	3,600	5,500	7,300	9,100	10,900	12,700	14,600	16,400	18,200	20,000	21,800	23,700	25,500	27,300
2	2,900	4,400	5,800	7,300	8,700	10,200	11,600	13,100	14,600	16,000	17,500	18,900	20,400	21,800
3	1,900	2,900	3,900	4,900	5,800	6,800	7,800	8,700	9,700	10,700	11,600	12,600	13,600	14,600
4	1,500	2,200	2,900	3,600	4,400	5,100	5,800	6,500	7,300	8,000	8,700	9,500	10,200	10,900
4-1/2	1,300	1,900	2,500	3,200	3,800	4,400	5,100	5,700	6,300	7,000	7,600	8,200	8,900	9,500
5	1,200	1,700	2,300	2,900	3,500	4,100	4,700	5,200	5,800	6,400	7,000	7,600	8,200	8,700

Refer to the table for the recommended rotational speed based on the diameter and cutting speed of your tool.
Example:
Diamond grinding point, diameter: 7/8"
Cutting speed: 4,500 SFPM
Rotational speed rounded: 19,800 RPM

Diamond needle files

Diamond needle files, hand

Diamond needle files can be used in general tool making.



Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
7/32	1/16	5-1/2	2-3/4	D 91	1	15101061	04027
				D 126	1	15101062	04014
				D 181	1	15101063	04001

Diamond needle files, hand with rounded edges

Diamond needle files can be used universally in tool making.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
7/32	1/16	5-1/2	2-3/4	D 91	1	15102061	04028
				D 126	1	15102062	04015

Diamond needle files, flat

Diamond needle files can be used universally in tool making.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
7/32	1/16	5-1/2	2-3/4	D 91	1	15103061	04029
				D 126	1	15103062	04016
				D 181	1	15103063	04003

Diamond needle files, three square

Diamond needle files can be used in general tool making.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
9/64	5-1/2	2-3/4	D 91	1	15104061	04030
			D 126	1	15104062	04017
			D 181	1	15104063	04004

Diamond needle files, square

Diamond needle files can be used in general tool making.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
7/64	5-1/2	2-3/4	D 91	1	15105061	04031
			D 126	1	15105062	04018
			D 181	1	15105063	04005

Diamond needle files, half-round

Diamond needle files can be used universally in tool making.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
7/32	1/16	5-1/2	2-3/4	D 91	1	15106061	04032
				D 126	1	15106062	04019
				D 181	1	15106063	04006

Diamond needle files, round

Diamond needle files can be used in general tool making.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
1/8	5-1/2	2-3/4	D 91	1	15107061	04033
			D 126	1	15107062	04020
			D 181	1	15107063	04007

Diamond needle files, knife

Diamond needle files can be used universally in tool making.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
13/64	1/16	5-1/2	2-3/4	D 91	1	15108061	04034
				D 126	1	15108062	04021
				D 181	1	15108063	04008

Diamond needle files, feather edge

Diamond needle files can be used universally in tool making.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
13/64	7/64	5-1/2	2-3/4	D 91	1	15109061	04035
				D 126	1	15109062	04022

Diamond needle files, crossing oval

Diamond needle files can be used universally in tool making.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
13/64	3/32	5-1/2	2-3/4	D 91	1	15110061	04036
				D 126	1	15110062	04023

Diamond needle files, barrette

Diamond needle files can be used universally in tool making.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
13/64	5/64	5-1/2	2-3/4	D 91	1	15100061	04037
				D 126	1	15100062	04024

Diamond needle file sets

Diamond needle file sets are supplied in a durable plastic box which protects the tools from damage. The box allows for storage in the toolbox or workbench.

Contents:
This diamond needle file set contains one each of the following needle files: hand, three square, square, half-round and round.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Grit size		Item no.	EDP no.
D 91	1	15842051	04038
D 126	1	15842052	04025
D 181	1	15842053	04012

Diamond riffler file set

The diamond riffler file set comes in a practical, heavy-duty blue plastic case that protects the tools from damage. This case is ideal for storage, e.g., in a tool cart or on a workbench.

Contents:
Contains one each of the following riffler files: crossing oval, hand, square, three square, and round.

Special features:
- Durable plastic box to prevent damage.

Grit size		Item no.	EDP no.
D 126	1	15816242	04080

Diamond handy files

Diamond handy files, hand

Diamond handy files have a forged shank which allows for use without an additional handle.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
13/32	7/64	8-1/2	4	D 126	1	15430202	51101

Diamond handy files, half-round

Diamond handy files have a forged shank which allows for use without an additional handle.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
1/2	9/64	8-1/2	4	D 126	1	15431202	51102

Diamond handy files, three square

Diamond handy files have a forged shank which allows for use without an additional handle.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
3/8	8-1/2	4	D 126	1	15432202	51104

Diamond handy files, square

Diamond handy files have a forged shank which allows for use without an additional handle.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
7/32	7/32	8-1/2	4	D 126	1	15433202	51105

Diamond handy files, round

Diamond handy files have a forged shank which allows for use without an additional handle.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
17/64	8-1/2	4	D 126	1	15434202	51107

Diamond handy file sets

Diamond handy file sets come in sturdy, practical plastic boxes that protect the files from damage. These are ideal for storing on a workbench.

Contents:
Contains one each of the following handy files: hand, half-round, three square, square and round.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Grit size		Item no.	EDP no.
D 126	1	15826272	51108

Diamond machinist's files, hand

Diamond machinist's files are used in many industries, such as the manufacturing of large tools. They come with ergonomic file handles.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
7/8	7/32	8	7-1/8	D 151	1	15401204	04060
				D 251	1	15401205	04065

Diamond machinist's files, three square

Diamond machinist's files are used in many industries, such as the manufacturing of large tools. They come with ergonomic file handles.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
9/16	8	7-1/8	D 151	1	15403204	04061

Diamond machinist's files, square

Diamond machinist's files are used in many industries, such as the manufacturing of large tools. They come with ergonomic file handles.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
5/16	5/16	8	7-1/8	D 151	1	15404204	04062

Diamond machinist's files, half-round pointed

Diamond machinist's files are used in many industries, such as the manufacturing of large tools. They come with ergonomic file handles.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
7/8	1/4	8	7-1/8	D 151	1	15405204	04063
				D 251	1	15405205	04068

Diamond machinist's files, round

Diamond machinist's files are used in many industries, such as the manufacturing of large tools. They come with ergonomic file handles.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Total length [Inch]	Coating length [Inch]	Grit size		Item no.	EDP no.
5/16	8	7-1/8	D 151	1	15406204	04064

Flexible diamond files

Flexible diamond files

Flexible diamond files adapt perfectly to workpiece surfaces. Due to their flexibility, they can be used in convex and concave contours with small radii.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating	Grit size		Item no.	EDP no.
1/64	9/16	6-1/2	one side	D 76	5	15600076	04090
				D 126	5	15600126	04091
				D 181	5	15600181	04092

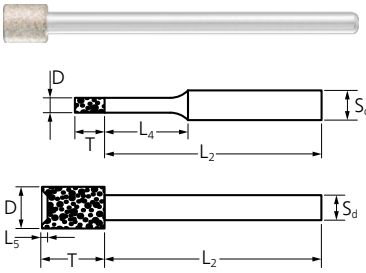
Diamond sheets

These diamond sheets are ideal for larger surfaces. Convex and concave contours can be worked on with relatively little effort.

Special features:
- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

Width with coating [Inch]	Height with coating [Inch]	Total length [Inch]	Coating	Grit size		Item no.	EDP no.
1/32	1-3/16	6-5/8	complete	D 64	1	15600030	04100
				D 126	1	15630126	04102
3/64	1-3/8	14	complete	D 64	1	15635064	04103
				D 126	1	15600035	04101

Diamond grinding points



Cylindrical shape

The cylindrical shape is suitable for grinding bores, radii and contours in stationary or manual applications. Grinding points with a diameter of 5/16 inch or larger have a recess on the front surface.

Special features:
- Ideal for work on tungsten carbide.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

D [Inch]	T [Inch]	S_d [Inch]	L_2 [Inch]	L_4 [Inch]	Grit size		Item no.	EDP no.
1/32	5/32	1/8	1-27/64	23/64	D 126	5	36061211	53000
3/64	5/32	1/8	1-27/64	23/64	D 126	5	36061212	53001
1/16	5/32	1/8	1-27/64	3/8	D 126	5	36061213	53002
3/32	5/32	1/8	1-27/64	3/8	D 126	5	36061214	02010
1/8	5/32	1/8	1-27/64	3/4	D 126	5	36061215	03010
5/32	13/64	1/8	1-3/4	-	D 126	5	36061219	53006
3/16	13/64	1/8	1-3/4	-	D 126	5	36061220	53007
1/4	1/4	1/4	2-1/8	3/4	D 126	1	36061216	53003
5/16	5/16	1/4	2	-	D 126	1	36061221	53008
3/8	5/16	1/4	2	-	D 126	1	36061217	53004
5/8	3/8	1/4	2	-	D 126	1	36061218	53005

Shape D (continuous coating)

The continuous coating is particularly suitable for very fine separating cuts.

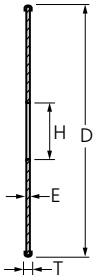
Shape G (with protective segments)

The continuous coating with protective segments facilitates optimum free-cutting.

Shape S 2 (segmented)

The segmentation allows particularly good chip removal.

Available on special request.



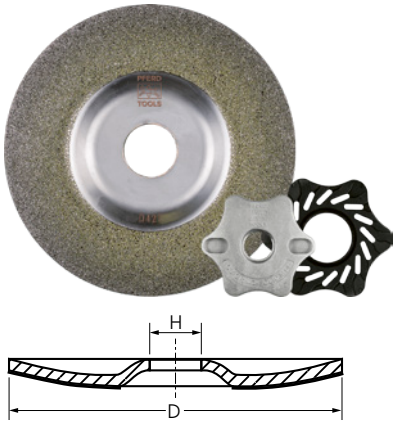
Diamond cut-off wheels

Electroplated diamond cut-off wheels are used with grit sizes from D 64 to D 427 for cutting hard materials such as tungsten carbide or ceramics and fibre-reinforced plastics (GRP/CRP).

Special features:

- Ideal for work on hardened steel.
- No chemical wear due to the low working temperatures.
- Longer service life due to harder diamond grain.

D [Inch]	T [Inch]	E [Inch]	H [Inch]	Shape	Protective seg. per side	Grit size		Item no.	EDP no.
Hard materials, e.g. glass, ceramic or tungsten carbide									
7/8	1/64	1/64	1/16	D	-	D 64	1	68402206	54001
1-9/16	1/32	1/4	3/8	D	-	D 151	1	68404015	54002
Fibre-reinforced plastics (GRP and CRP) as well as pre-sintered and green ceramic									
2	5/64	3/64	3/8	G	3	D 357	1	68405163	54003
3	5/64	3/64	3/8	G	3	D 357	1	68407103	54004
4	5/64	3/64	7/8	G	3	D 427	1	68410238	54005
4-1/2	5/64	3/64	7/8	G	3	D 427	1	68411238	54006



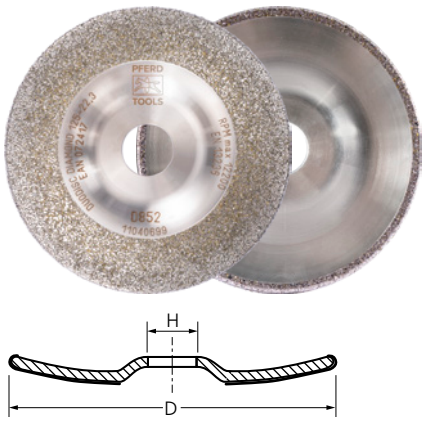
CC-GRIND® SOLID DIAMOND

Grinding wheel optimized for use on grey/nodular cast iron (GG/GJL, GGG/GJS), casting scale with sand contamination and metal contamination, with high grinding performance and very good service life. Designed for surface grinding, chamfering, deburring.

Special features:
- Fast, aggressive grinding with maximum stock removal rate.
- Easy and quick elimination of metal contamination due to diamond's super-hard abrasive qualities.
- Lower dust load due to the dimensional stability of the grinding tool (no tool wear).

D [Inch]	H [Inch]	Grit size	Max. RPM		Item no.	EDP no.
Integrated clamping flange set SFS CC-GRIND® SOLID/FLEX 115/125 M14						
4-1/2	7/8	D 852	13,300	1	36611585	61164
5	7/8	D 427	12,200	1	36612542	-
		D 852	12,200	1	36612585	-

Diamond grinding discs DUODISC® DIAMOND



DUODISC DIAMOND

The DUODISC diamond grinding disc is ideally suited for machining grey and nodular cast iron (GG and GGG, or GJL and GJS). Optimal for roughing and deburring work in fettling shops. The abrasive geometry allows for the removal of small feeders and risers.

Special features:
- Constant product diameter.
- Reduced product change times due to long service life.
- Dust minimization, since the tool does not wear out.

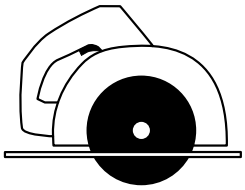
D [Inch]	H [Inch]	Grit size	Max. RPM		Item no.	EDP no.
5	7/8	D 852	12,200	1	36803644	61165

Diamond tools for the construction industry
General information

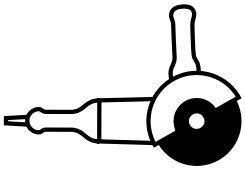
In the demanding world of the construction industry, precision, efficiency, and durability are crucial. When it comes to working on hard materials such as concrete, asphalt, granite or tiles, conventional tools will quickly reach their limits. This is where PFERD TOOLS diamond tools come in—the ideal solution for demanding projects. PFERD TOOLS diamond tools achieve clean, precise cuts and perfect surface results—even in the most difficult of applications.

The extensive range of diamond tools for the construction industry includes not only cut-off wheels but also dry diamond drill bits and grinding pads in various designs, tailored to the specific application or the material being processed. Rely on the proven quality of PFERD TOOLS to make your construction projects more efficient, safer, and more successful.

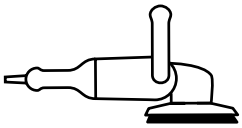
Compatable tool drives



Manual circular saw

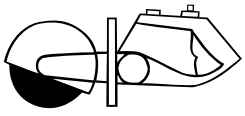


Angle grinder

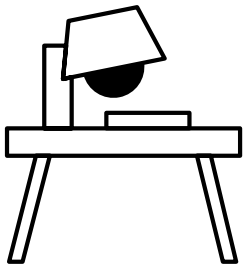


Concrete grinder

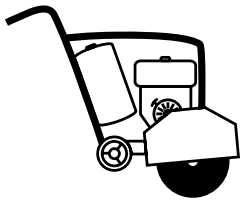
Available on special request.



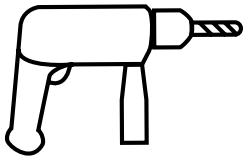
Gas saw



Circular bench saw



Joint cutter



Power drill

Available on special request.

5

Diamond tools for the construction industry
General information

Safety notes

- Observe any usage restrictions, warnings and safety notes:

Wear eye protection!

Wear hearing protection!

Wear dust respirators!

Wear gloves!

Follow the safety instructions!

Not permitted for face grinding!

Do not use if damaged!

Organization for the Safety of Abrasives (oSa)

Together with other renowned manufacturers, PFERD TOOLS voluntarily produces quality products conforming to the most exacting safety standards. Member companies of oSa (the Organization for the Safety of Abrasives) are committed to continuous product safety and quality monitoring. PFERD TOOLS products carry the oSa mark. Scan the QR code for further information.

Safety standard:

- PFERD TOOLS diamond tools conform to the highest safety requirements in accordance with EN 13236 "Safety requirements for superabrasive products"

Retail point-of-sale packaging

PFERD TOOLS offers diamond tools for the construction industry in retail packaging.

Advantages:

- Product can easily be hung up on a sales wall.
- Packaging design allows product to be easily recognized.

Diamond cut-off wheels for the construction industry

PFERD TOOLS diamond cut-off wheels are manufactured in compliance with the highest quality and safety standards. They guarantee optimum cutting results and allow efficient processing of different materials, e.g. concrete, exposed aggregate concrete, clinker brick, hard stone, granite and other abrasive building materials. The product range offers the best tool for any application.

Diamond tools for the construction industry

Diamond cut-off wheels for the construction industry

Quick product selection guide

Application	Material	Tools	
Aggressive, fast cutting	■ Concrete (medium-hard, reinforced, hard) ■ Aerated concrete ■ Pumice ■ Brick ■ Soft clinker brick ■ Sand-lime brick	DS type cut-off wheels ■ START Line ■ Universal Line PSF	

Shapes

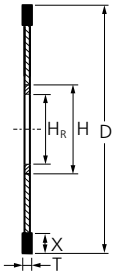
PFERD TOOLS diamond cut-off wheels are designed to ensure the best results each time on numerous types of materials.

Shape DS
■ Segmented type for fast cutting

Shape DS AS
■ Segmented type for fast cutting of asphalt
Available on special request.

Shape DG
■ Type with continuous rim for easy cutting (TURBO)
Available on special request.

Shape DG FL
■ Type with continuous rim for very fine cutting, e.g. tiles and glazed tiles
Available on special request.

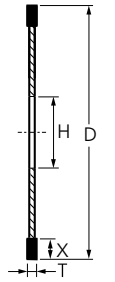


START Line, Segmented Shape DS

General-purpose segmented-rim cut-off wheel for aggressive, fast cutting with high performance and a good service life.

Special features:
- High quality diamond abrasive grain.
- Good flow and short breaks.
- Good operation and high cost-effectiveness.

D [Inch]	T [Inch]	H [Inch]	H_R [Inch]	X [Inch]	Max. RPM		Item no.	EDP no.
4-1/2	0.065	7/8	-	9/32	13,300	1	*68300044*	55002
5	0.065	7/8	-	9/32	12,200	1	*68300045*	55003
7	0.079	7/8	-	9/32	8,600	1	*68300038*	55000
9	0.09	7/8	-	9/32	6,600	1	*68300039*	55001
12	0.11	1	20 mm	5/16	6,400	1	68300053	55004
14	0.125	1	20 mm	5/16	5,400	1	68300047	55005
16	0.125	1	20 mm	3/8	4,800	1	68300054	55006
18	0.125	1	-	3/8	4,200	1	68300055	55007



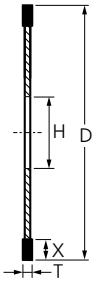
PSF Line, Segmented Shape DS

General-purpose segmented-edge tool for aggressive, fast cutting with high cutting performance and an ideal tool life. With laser-welded segments.

Special features:
- High quality diamond abrasive grain.
- Excellent cutting characteristics and short cutting times.
- Very easy operation and high cost-effectiveness.

D [Inch]	T [Inch]	H [Inch]	X [Inch]	Max. RPM		Item no.	EDP no.
4-1/2	0.09	7/8	3/8	13,300	1	68011221	65111
5	0.09	7/8	3/8	12,200	1	68012221	65211
6	0.09	7/8	3/8	10,200	1	*68300102*	55008
7	0.095	7/8	3/8	8,600	1	68017221	65411
9	0.095	7/8	3/8	6,600	1	68023223	65611

Discontinued product



Multi Power Carbide Wheel, Shape DS

General-purpose cut-off wheel for effective cutting of many different materials, such as wood with embedded nails, plastics (e.g. pipes), non-ferrous metals and drywall construction materials. The cutting edge made of sharp tungsten carbide grains achieves clean, precise cuts.

Special features:
- Ideal choice for a variety of materials.
- Optimum cutting speed due to consistent diameter and high ease of cutting.
- Long service life due to unique high-quality bonding of the tungsten carbide grain to the steel body.

D [Inch]	T [Inch]	H [Inch]	X [Inch]	Max. RPM		Item no.	EDP no.
4-1/2	0.045	7/8	0.075	13,300	1	68200003	-
5	0.045	7/8	0.075	12,200	1	68200002	-

New item

PFERD TOOLS

Cut-off wheels, flap discs and grinding wheels

Cut-off wheels, flap discs and grinding wheels

Table of contents

Cut-off wheels, flap discs and grinding wheels

- Highlights from the PFERD TOOLS range 362
- General information 363
- Label and packaging 365
- Technical information and safety notes 366

Cut-off wheels

- Universal Line PSF ★★☆☆ 369
- Performance Line SG ★★★☆ 371
- Special Line SGP ★★★★ 375
- Clamping flanges 377

Cut-off wheels for metal manual circular saws

- Performance Line SG ★★★☆ 378

Cut-off wheels for straight grinders

- Performance Line SG ★★★☆ 379

Cut-off wheels for portable gas saws and cut-off grinders

- Performance Line PSF ★★☆☆ 381
- Performance Line SG ★★★☆ 381

POLIFAN® flap discs

- Universal Line PSF ★★☆☆ 384
- Performance Line SG ★★★☆ 387
- Special Line SGP ★★★★ 392

CC-GRIND Grinding Wheels

- Performance Line SG ★★★☆ 395
- Special Line SGP ★★★★ 398

Grinding wheels

- Universal Line PSF ★★☆☆ 401
- Performance Line SG ★★★☆ 403
- Special Line SGP ★★★★ 405

Grinding wheels for foundries

- Performance Line SG ★★★☆ 408

Cup wheels

- Cup wheels for manual use 410

Cut-off wheels, flap discs and grinding wheels

Highlights from the PFERD TOOLS range

Thin cut-off wheels – flat type EHT (type 1/41)

The PFERD TOOLS product range includes thin cut-off wheels in a variety of designs, providing the right product solution for any application – ergonomically optimized, efficient and with the highest level of safety. PFERD TOOLS' thin cut-off wheels are characterized by their special bond formulation. Scan the QR code to find out more about PFERD TOOLS' range of thin cut-off wheels.

Advantages:
- Thin cuts with minimal burr formation.
- Maximum cost-effectiveness due to fast cutting.
- Comfort and safety.

Polifan CURVE Flap Disc

The Polifan CURVE flap disc was developed specifically for work on fillet welds. It is the only flap disc in the world that is equipped with flaps on the grinding side, the back side, and along the radius. Its unique design facilitates grinding and allows it to be used even in hard-to-reach areas. At the same time, the POLIFAN CURVE is versatile, ranging from work on fillet welds to other applications typical of a conventional Polifan-flap disc. Scan the QR code to learn more about the POLIFAN CURVE.

Advantages:
- High stock removal rates ensure rapid work progress and thus significant savings in labor costs.
- Excellent service life when working on fillet welds.
- Precise and optimum grinding of the fillet weld geometry.
- The POLIFAN CURVE from PFERD TOOLS is patented in many countries around the world.

CC-GRIND VIEW Grinding Wheel

With the CC-GRIND VIEW, PFERD TOOLS offers an innovative grinding wheel that combines a unique design with **VICTO**GRAIN®, one of the world's most effective, precision-shaped abrasives. The viewing windows of the CC-GRIND VIEW provide an unobstructed view of the grinding process, ensuring maximum control and pinpoint precision. Scan the QR code to learn more about the CC-GRIND VIEW from PFERD TOOLS.

Advantages:
- The ultimate in aggressive performance for the fastest work progress.
- Combines the best available abrasive with PFERD TOOLS' cutting-edge, innovative product design.
- Although the **VICTO**GRAIN® products only come with a single coating of abrasive grit, they offer an outstanding service life which exceeds that of conventional grinding wheels and many flap discs.

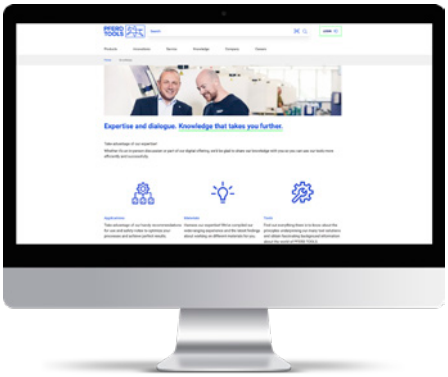
- Significantly more ergonomic than a conventional grinding wheel: Noise, vibrations and dust are significantly reduced.

Cut-off wheels, flap discs and grinding wheels

Highlights from the PFERD TOOLS range

Find additional in-depth information online

Scan the QR code to find out a wide range of tool and application knowledge relating to PFERD TOOLS' high-quality tools and their huge variety of materials.



General information

Organization for the Safety of Abrasives (oSa)

As a founding member of the Organization for the Safety of Abrasives (oSa), PFERD TOOLS is committed to conform to tougher inspection requirements that go beyond EN 12413 and EN 13743. Member companies of oSa are committed to continuous product safety and quality monitoring. Scan the QR code for further information.

Product lines and color coding

PSF ★★☆☆

Universal Line PSF ★★☆☆

The introductory range Universal Line PSF features **quality products** designed for the **most common applications** and materials. Ideal for a wide range of end-users that require **strong performance.**

SG ★★★☆

Performance Line SG ★★★☆

The broad Performance Line SG range offers a **high-performance product solutions for a diverse range of applications and materials.** Ideal for demanding industrial applications and achieving **optimal results with maximum cost-effectiveness.**

SGP ★★★★

Special Line SGP ★★★★

Special Line SGP products are meticulously crafted for **specific tasks and applications**, providing users with **nuanced advantages over conventional products.** Known for exceptional performance in the most demanding applications.

Cut-off wheels, flap discs and grinding wheels
General information

Materials and color coding

Steel, cast steel	Steels up to 1,200 MPa (174,000 psi) (< 38 HRC)	Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, cast steel, tempering steels
	Hardened, heat-treated steels over 1,200 Mpa (174,000 psi) (> 38 HRC)	Tool steels, tempering steels, alloyed steels, cast steel
Stainless steel (INOX)	Rust and acid-resistant steels	Austenitic and ferritic stainless steels, e.g. **AISI/ASTM** 301 410 304 412 316 416 316Ti
Aluminum	Non-hardening and hardening wrought alloys, cast aluminum alloys with low silicon content, cast aluminum alloys without silicon	
Other non-ferrous metals	Soft non-ferrous metals	Brass, copper, zinc
	Hard non-ferrous metals	Bronze, titanium
	High-temperature-resistant materials	Inconel, Hastelloy
Cast iron	Grey cast iron	Cast iron with flake graphite, cast iron with nodular graphite/nodular cast iron
	Annealed cast iron	White annealed cast iron, black annealed cast iron
Stone	Asphalt, cotto, pumice, light concrete, sandstone, concrete, reinforced concrete, concrete blocks, roofing tiles, granite, clinker bricks, exposed aggregate concrete, glazed tiles, ceramic tiles, slate	

Cut-off wheels, flap discs and grinding wheels

Label and packaging

Label

① oSa – Organization for the Safety of Abrasives
As a founding member of oSa, PFERD TOOLS voluntarily manufactures quality tools conforming to the strictest safety standards. Member companies of oSa are committed to continuous product safety and quality monitoring.

② Safety information
Please follow the information in the product insert supplied with cut-off wheels for how to use grinding tools safely.

③ Expiration date and lot number

④ Material information
The bottom section of every label indicates the material or materials for which the product is suitable.

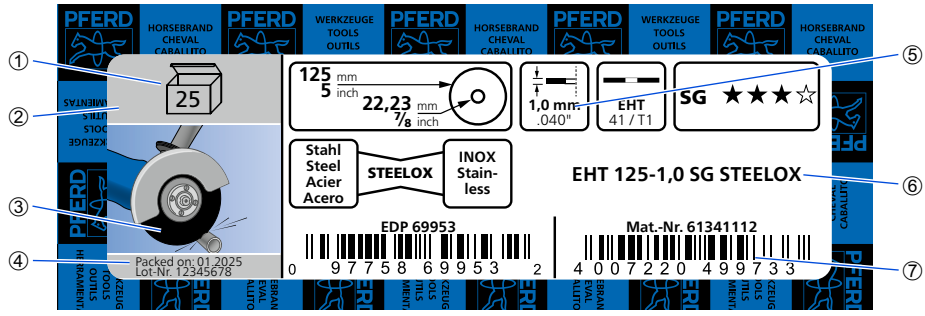
⑤ Information bar
Product line, star rating, diameter, thickness, arbor measurements, and for POLIFAN® flap discs, the abrasive and grit size.

⑥ EAN (European Article Number)

⑦ Suitable for stainless steel (INOX)
Manufactured without the addition of ferrous, chlorinated or sulphureous fillers.

Packaging

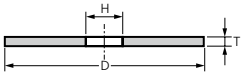
PFERD TOOLS supplies cut-off wheels, flap discs and grinding wheels in robust industrial packaging that protects them against damage.
All important technical and ordering information can be found on the packaging label.
① Packaging unit
② Product line (color coding system)
③ Type
④ Packing date and lot number
⑤ Technical information
⑥ PFERD TOOLS designation
⑦ EAN (European Article Number)



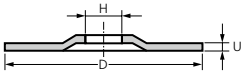
Cut-off wheels, flap discs and grinding wheels

Technical information and safety notes

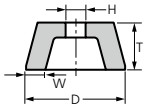
Overview of shapes and letter symbols



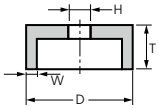
Cut-off wheel, flat type EHT (type 1/41)



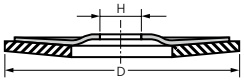
Cut-off wheel, grinding wheel, depressed-center type EH (type 27)



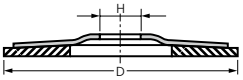
Conical cup wheel, ETT (type 11)



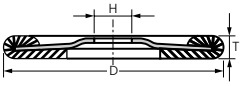
Cylindrical cup wheel, ETT (type 6)



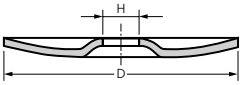
Flap disc, conical type PFC (type 29)



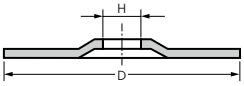
Flap disc, flat type PFF (type 27)



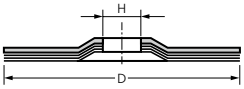
Flap disc, radial type PFR (CURVE)



CC-GRIND® SOLID, CC-GRIND® ROBUST, CC-GRIND® VIEW grinding discs



CC-GRIND® FLEX grinding disc



CC-GRIND® STRONG grinding disc

6

Safety during cutting and grinding

Grinding product manufacturers, machine manufacturers and users contribute equally to ensuring safety during cutting and grinding. PFERD TOOLS produces all its products according to the specified safety regulations. During cutting and grinding, the user is responsible for correct use of the tool drive as well as correct handling and use of the products.

Explanation of abrasive product labeling

- Always observe the instructions on the grinding product, the grinding machine and all accompanying user information.
- Only use grinding products that meet current safety standards. These products carry the relevant EN standard number and the "oSa" mark:
  EN 12413 for grinding tools with bonded abrasives (reinforced grinding wheels, cut-off wheels, cup wheels and grinding wheels).
  EN 13743 for coated abrasives (POLIFAN® flap discs, CC-GRIND® grinding discs).
- Use a grinding product that is designed for the particular application. A product that cannot be clearly identified should never be used.
- Grinding products for hand-held grinding with bond types B (e.g. cup wheels) and BF (reinforced grinding wheels, cut-off wheels and grinding wheels) must not be used after the indicated expiration date in accordance with EN 12413. The expiration date is stated as the month and year, e.g. 04/2027. The bond type is always marked on the label.

Cut-off wheels, flap discs and grinding wheels

Technical information and safety notes

Safety notes

Observe any usage restrictions, warnings and safety notes:

Not permitted for hand-held grinding!

Not permitted for face grinding!

Not permitted for wet grinding!

Do not use if damaged!

Follow the safety instructions!

Wear eye protection!

Wear hearing protection!

Wear gloves!

Wear a dust mask!

Observe the minimum contact angle!

Use guard!

Only for use in totally enclosed work areas!

Use face protection!

Always use with a backing pad!

Only use for wet cutting!

Dangerous if used improperly!

Cut-off wheels
Quick product selection guide

PFERD TOOLS

Product group selection

Tool drive	Application	Product line	Steel (STEEL)		Stainless steel (INOX)		Aluminum (ALU)	Cast material (CAST)	Stone (STONE)	
Angle grinders	Cutting	Universal Line PSF ★★☆☆	PSF STEEL	PSF STEELOX	PSF STEELOX					
		Performance Line SG ★★★☆	SG STEEL	SG STEELOX	SG INOX	SG STEELOX	SG ALU			
		Special Line SGP ★★★★	SGP CERAMIC STEEL	SGP STEELOX	SGP STEELOX	SGP CERAMIC STEELOX				
	Cutting and grinding	Universal Line PSF ★★☆☆	PSF DUO STEELOX		PSF DUO STEELOX					
Die grinders	Cutting	Performance Line SG ★★★☆	SG STEELOX		SG STEELOX		SG STEELOX	SG STEELOX		
Circular saw	Cutting	Performance Line SG ★★★☆	SG STEELOX		SG STEELOX					
Portable gas saw, cut-off grinder	Cutting	Performance Line SG ★★★☆	SG STEEL					SG CAST + STONE	SG STONE	SG CAST + STONE

6

Cut-off wheels
Quick product selection guide

Cut-off wheel width selection

Diameter 4–5″		
Thin cut-off wheels	.030″	Maximum precision and cutting quality for sheet metal work
	.040″	Universal width with a focus on speed, comfort and cutting quality
	.045″	Universal width with a focus on service life and comfort
Cut-off wheels	≥ .065″	Heavy-duty use

Diameter 6–9″		
Thin cut-off wheels	≤ 3/32″	Universal width with a focus on speed, comfort and cutting quality
Cut-off wheels	3/32	Universal width with a focus on service life and comfort
	≥ 3/32	Heavy-duty use

Universal Line PSF ★★☆☆

PSF STEEL ★★☆☆

Cut-off wheel for steel with high cutting performance and long service life. Designed for cutting sheet metal, profiles and solid material, and for cutting out holes.

Special features:
- Fast work progress thanks to excellent cutting performance.
- High cost-effectiveness due to good service life.
- Thin cut-off wheels are ergonomically optimized, efficient and provide impressively fast and thin cuts with minimized burr formation.

D [Inch]	T/U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat EHT (type 1/41)							
4-1/2	0.040	7/8	13,300	A	25	61730010	69945
	0.045	7/8	13,300	A	25	61730021	69949
5	0.040	7/8	12,200	A	25	61719010	69950
	0.045	7/8	12,200	A	25	61719021	69954
6	0.045	7/8	10,200	A	25	61721221	69964
Depressed center EH (type 27/42)							
4-1/2	0.045	7/8	13,300	A	25	69902571	69908
	3/32	7/8	13,300	A	25	61740122	69909
5	0.045	7/8	12,200	A	25	69902572	69910
	3/32	7/8	12,200	A	25	61720222	69911

Cut-off wheels
Universal Line PSF ★★☆☆

PSF STEELOX ★★☆☆

Cut-off wheel for steel and stainless steel (INOX). High cutting performance and good service life. Designed for universal use on steel and stainless steel (INOX).

Special features:

- Fast work due to high cutting performance. Maximum economic efficiency due to maximum durability.
- Thin cut-off wheels are ergonomically optimized, efficient and provide impressively fast and thin cuts with minimized burr formation.
- Thin cut-off wheels are ideal for cordless angle grinders.

D [Inch]	T/U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat EHT (type 1/41)							
4-1/2	0.040	7/8	13,300	A	25	61730100	63540
	0.045	7/8	13,300	A	25	61730121	63550
5	0.040	7/8	12,200	A	25	61721100	63541
	0.045	7/8	12,200	A	25	61721121	63551
6	0.045	7/8	10,200	A	25	69901519	63559
7	0.045	7/8	8,500	A	25	61726121	63553
	3/32	7/8	8,500	A	25	61726122	63566
9	0.065	7/8	6,600	A	25	61728131	63554
	3/32	7/8	6,600	A	25	61728122	63567
Depressed center EH (type 27/42)							
4-1/2	0.045	7/8	13,300	A	25	69902573	63717
	3/32	7/8	13,300	A	25	61740326	63718
5	0.045	7/8	12,200	A	25	69902574	63719
	3/32	7/8	12,200	A	25	61720326	63720
6	0.045	7/8	10,200	A	25	69902504	63725
Depressed center (type 27) – threaded arbor hole							
4-1/2	3/32	5/8-11	13,300	A	10	*69902548*	63722

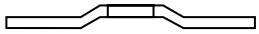
Discontinued product

Cut-off wheels
Universal Line PSF ★★☆☆

PSF DUODISC® STEELOX ★★☆☆ combination wheel

Combination wheel for steel and stainless steel (INOX) with high cutting performance and long service life. Designed for cutting, deburring, grouting, surface grinding, and for work on fillet welds and weld seams.

Special features:
- Safe solution for cutting and surface grinding with just one wheel.
- Ideal for cordless angle grinders.
- Problem solver for grinding work on scale.

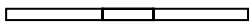
D [Inch]	T/U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Depressed center (type 27) – plain arbor hole 							
4-1/2	0.065	7/8	13,300	A	10	62011630	63320
	1/8	7/8	13,300	A	10	62011620	63333
5	0.065	7/8	12,200	A	10	62012630	63321
	1/8	7/8	12,200	A	10	62012620	63334
6	1/8	7/8	10,200	A	10	62015420	63335
7	1/8	7/8	8,500	A	10	62017420	63336

Performance Line SG ★★★☆

SG STEEL ★★★☆

Cut-off wheel for steel with high cutting performance and maximum service life. Designed for cutting profiles and solid material, and for cutting out holes.

Special features:
- Fast work progress thanks to excellent cutting performance.
- Thin cut-off wheels are ideal for cordless angle grinders.
- Thin cut-off wheels are ergonomically optimized, efficient and provide impressively fast and thin cuts with minimized burr formation.

D [Inch]	T/U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat EHT (type 1/41) 							
4	3/32	5/8	15,300	A	25	61340116	63502
4-1/2	0.040	7/8	13,300	A	25	61340382	69947
	0.045	7/8	13,300	A	25	61330122	69934

Continued on next page

Cut-off wheels
Performance Line SG ★★★☆

D [Inch]	T/U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
4-1/2	3/32	7/8	13,300	A	25	61340222	63503
5	0.040	7/8	12,200	A	25	61341082	69952
	0.045	7/8	12,200	A	25	61331122	69955
	3/32	7/8	12,200	A	25	61321222	63505
6	0.045	7/8	10,200	A	25	61323106	69965
7	0.045	7/8	8,500	A	25	61326122	69975
	1/8	7/8	8,500	A	25	61326322	63508
9	1/8	7/8	6,600	A	25	61328322	63510
Depressed center EH (type 27/42)							
4	3/32	5/8	15,300	A	25	61339116	63102
4-1/2	0.045	7/8	13,300	A	25	69120777	63162
	3/32	7/8	13,300	A	25	61340122	63103
	1/8	7/8	13,300	A	25	61340132	63104
5	0.045	7/8	12,200	A	25	69120778	63163
	3/32	7/8	12,200	A	25	61320222	63105
	1/8	7/8	12,200	A	25	61320232	63106
6	0.045	7/8	10,200	A	25	69120779	63164
	1/8	7/8	10,200	A	25	61323122	63107
7	0.045	7/8	8,500	A	25	69120780	63165
	1/8	7/8	8,500	A	25	61323222	63109
9	1/8	7/8	6,600	A	25	61324222	63111

SG STEELOX ★★★☆

Cut-off wheel for steel and stainless steel (INOX). High cutting performance and maximum service life. Designed for universal use on steel and stainless steel (INOX).

Special features:

- Fast work progress thanks to excellent cutting performance.
- Maximum economic efficiency due to maximum durability.
- Thin cut-off wheels are ergonomically optimized, efficient and provide impressively fast and thin cuts with minimized burr formation.

D [Inch]	T/U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat EHT (type 1/41)							
4	0.040	5/8	14,500	A	25	69121043	63617
4-1/2	0.040	7/8	13,300	A	25	61340412	69948
	0.045	7/8	13,300	A	25	61340422	63607
5	0.040	7/8	12,200	A	25	61341112	69953
	0.045	7/8	12,200	A	25	61341122	63608
6	0.045	7/8	10,200	A	25	61342122	63614
7	0.045	7/8	8,500	A	25	61326410	63616

Continued on next page

Cut-off wheels
Performance Line SG ★★★☆

D [Inch]	T/U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
7	3/32	7/8	8,500	A	25	61326422	63609
9	3/32	7/8	6,600	A	25	61328422	63611
Depressed center EH (type 27/42)							
4-1/2	0.045	7/8	13,300	A	25	69120699	63167
	3/32	7/8	13,300	A	25	61340123	63202
	1/8	7/8	13,300	A	25	61332432	63204
5	0.045	7/8	12,200	A	25	69120682	63168
	3/32	7/8	12,200	A	25	61341222	63205
	1/8	7/8	12,200	A	25	61333432	63206
6	0.045	7/8	10,200	A	25	69120706	63169
	3/32	7/8	10,200	A	25	69198060	63208
7	0.045	7/8	8,500	A	25	69120842	63170
	3/32	7/8	8,500	A	25	61323223	63207
9	3/32	7/8	6,600	A	25	61324223	63209

SG INOX ★★★☆

Cut-off wheel for stainless steel (INOX) with high cutting performance and maximum service life. Designed for cutting sheet metal, profiles and solid material, and for cutting out holes.

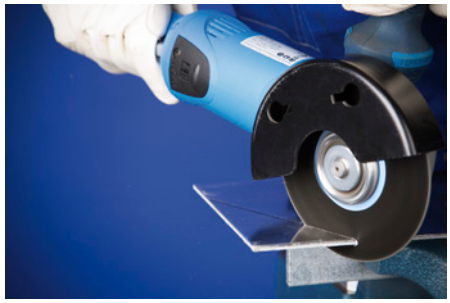
Special features:
- Fast work progress thanks to excellent cutting performance.
- Maximum economic efficiency due to maximum durability.
- Thin cut-off wheels are ergonomically optimized, efficient and provide impressively fast and thin cuts with minimized burr formation.

D [Inch]	T/U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat EHT (type 1/41)							
4-1/2	0.030	7/8	13,300	A	25	61340396	63641
	0.040	7/8	13,300	A	25	61340416	63642
	0.045	7/8	13,300	A	25	61340424	63643
5	0.030	7/8	12,200	A	25	61341096	63645
	0.040	7/8	12,200	A	25	61341116	63646
	0.045	7/8	12,200	A	25	61341124	63647
6	0.045	7/8	10,200	A	25	61342124	63649
7	0.045	7/8	8,500	A	25	61326124	63650
	3/32	7/8	8,500	A	25	61326423	63651
9	3/32	7/8	6,600	A	25	61328423	63654
Depressed center EH (type 27/42)							
5	3/32	7/8	12,200	A	25	61341223	63648
9	3/32	7/8	6,600	A	25	61324224	63655

Cut-off wheels
Performance Line SG ★★★☆

SG ALU ★★★☆

Cut-off wheel for aluminum and other non-ferrous metals with high cutting performance and maximum service life. Designed for cutting sheet metal, profiles and solid material, and for cutting out holes.



Special features:

- Special abrasive mixture and bond technology prevent the cut-off wheel from loading up, even on soft, tough aluminum.
- These products contain no fillers that can leave residues on the workpiece. The surfaces can be welded immediately after cutting or grinding.
- Thin cut-off wheels are ergonomically optimized, efficient and provide impressively fast and thin cuts with minimized burr formation.

D [Inch]	T/U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat EHT (type 1/41)							
4-1/2	0.040	7/8	13,300	A/C	25	61340415	63589
	0.045	7/8	13,300	A/C	25	61340425	63595
	3/32	7/8	13,300	A/C	25	61340550	63602
5	0.040	7/8	12,200	A/C	25	61341115	63590
	0.045	7/8	12,200	A/C	25	61341225	63596
	3/32	7/8	12,200	A/C	25	61331550	63603
6	0.045	7/8	10,200	A/C	25	61323116	63597
7	0.045	7/8	8,500	A/C	25	61326119	63598
	1/8	7/8	8,500	A/C	25	61326323	63605
9	1/8	7/8	6,600	A/C	25	61328323	63606
Depressed center EH (type 27/42)							
4-1/2	0.045	7/8	13,300	A/C	25	69121004	63177
	3/32	7/8	13,300	A/C	25	61340312	63131
5	0.045	7/8	12,200	A/C	25	69121005	63178
	3/32	7/8	12,200	A/C	25	61320822	63133
6	0.045	7/8	10,200	A/C	25	69121006	63179
7	1/8	7/8	8,500	A/C	25	61323323	63135
9	1/8	7/8	6,600	A/C	25	61324323	63136

Cut-off wheels
Special Line SGP ★★★★

CERAMIC SGP STEEL ★★★★

Special cut-off wheel with ceramic oxide grain for steel with ultimate cutting performance and excellent service life. Designed for cutting large cross-sections, profiles and solid material, and for cutting out holes.

Special features:

- Extremely fast work progress, even with large cross-sections.
- Previously unattained cutting performance due to high-performance abrasive ceramic oxide grain combined with a special bond technology.
- Thin cut-off wheels are ergonomically optimized, efficient and provide impressively fast and thin cuts with minimized burr formation.

D [Inch]	T/U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat EHT (type 1/41)							
4-1/2	0.040	7/8	13,300	CO	25	61301510	63657
	0.045	7/8	13,300	CO	25	61301516	63658
5	0.040	7/8	12,200	CO	25	61312510	63660
	0.045	7/8	12,200	CO	25	61312516	63661
	0.08	7/8	12,200	CO	25	61312520	63662
6	0.045	7/8	10,200	CO	25	61315016	63663
7	0.045	7/8	8,500	CO	25	61318016	63664
	3/32	7/8	8,500	CO	25	61318025	63665
9	0.065	7/8	6,600	CO	25	61323019	63666
	3/32	7/8	6,600	CO	25	61323025	63668
Depressed center EH (type 27/42)							
4-1/2	0.045	7/8	13,300	CO	25	61300115	63639
5	0.045	7/8	12,200	CO	25	61300125	63640

CERAMIC SGP STEELOX ★★★★

Special cut-off wheel with ceramic grit for steel and stainless steel (INOX), offering ultimate cutting performance and outstanding service life. Optimized for use on workpieces with larger cross-sections.

Special features:
- Super fast-cutting even on large cross sections due to high-performance ceramic oxide grain in a special bond formula.
- Maximum economic efficiency due to excellent durability.

D [Inch]	T/U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
4-1/2	0.040	7/8	13,300	CO	25	61342115	63800
5	0.040	7/8	12,200	CO	25	61342125	63802

SGP STEELOX ★★★★

Cut-off wheel for steel and stainless steel (INOX) with high cutting performance and an excellent service life. Designed for cutting thin sheet and profiles, and for cutting out holes.

Special features:
- Excellent service life on thin sheet metal and profiles due to wear-resistant bond system.
- Fast work progress thanks to excellent cutting performance.
- Thin cut-off wheels are ergonomically optimized, efficient and provide impressively fast and thin cuts with minimized burr formation.

D [Inch]	T [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat EHT (type 1/41)							
4-1/2	0.030	7/8	13,300	A	25	61340394	69817
	0.040	7/8	13,300	A	25	69120782	69845
	0.045	7/8	13,300	A	25	61330420	69846
	3/32	7/8	13,300	A	25	61330422	63635
5	0.030	7/8	12,200	A	25	61341094	69818
	0.040	7/8	12,200	A	25	69120759	69855
	0.045	7/8	12,200	A	25	61331420	69857
	3/32	7/8	12,200	A	25	61331622	63636
6	0.045	7/8	10,200	A	25	61342164	69865
7	0.045	7/8	8,500	A	25	61343122	69872
	1/8	7/8	8,500	A	25	*61326722*	63637
9	0.065	7/8	6,600	A	25	61328702	63633
	3/32	7/8	6,600	A	25	61328722	63638

Continued on next page

Discontinued product
New item

Cut-off wheels
Special Line SGP ★★★★

D [Inch]	T [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Depressed center EH (type 27/42)							
4-1/2	0.045	7/8	13,300	A	25	69120773	63172
	3/32	7/8	13,300	A	25	61332222	63231
5	0.045	7/8	12,200	A	25	69120774	63173
	3/32	7/8	12,200	A	25	*61333222*	63233
6	0.045	7/8	10,200	A	25	69120775	63174
7	0.045	7/8	8,500	A	25	69120776	63175

Clamping flanges

Clamping flange set for thin 7 and 9 inch cut-off wheels

Clamping flange set for increasing lateral stability and precise guidance, especially when using cut-off wheels with less than .080 inch in width with diameters of 7 and 9 inch. The set can be used with any standard angle grinder with M14 or 5/8-11 drive spindle.

For angle grinders with a spindle [Inch]	D [Inch]		Item no.	EDP no.
5/8"-11	3	1	33500761	69038

Discontinued product

Cut-off wheels for metal manual circular saws

Performance Line SG ★★★☆

SG STEELOX ★★★☆

Cut-off wheel for steel and stainless steel (INOX). High cutting performance and an excellent service life for use on metal manual circular saws.

Special features:

- Fast work and high economic efficiency due to the high grinding performance.
- Thin cut-off wheels are ergonomically optimized, efficient and provide impressively fast and thin cuts with minimized burr formation.
- Designed for universal use on steel and stainless steel (INOX).

D [Inch]	T/U [Inch]	H [Inch]	Included bushings [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat EHT (type 41) – diamond bore								
7	1/8	5/8	1/2	8,500	A	25	66178222	63842
8	1/8	5/8	1/2	7,600	A	25	66200222	63843

Cut-off wheels for straight grinders
Performance Line SG ★★★☆

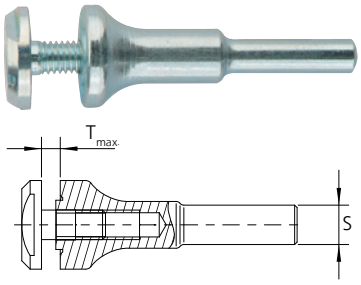
SG STEELOX ★★★☆

Universal cut-off wheel for a range of materials, for use on straight grinders. Designed for cutting sheet metal, profiles and solid material, and for cutting out holes.

Special features:
- Ideal for hard-to-reach areas.
- Thin cut-off wheels are ergonomically optimized, efficient and provide impressively fast and thin cuts with minimized burr formation.
- Maximum economic efficiency due to maximum durability.

D [Inch]	T [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat EHT (type 1/41)							
2	0.040	1/4	30,000	A	50	69520270	69201
		3/8	30,000	A	50	69520271	69203
	0.045	1/4	30,000	A	50	69520272	69207
		3/8	30,000	A	50	69520273	69211
	1/8	3/8	30,000	A	50	69520274	69217
3	0.040	1/4	25,000	A	50	69520275	69301
		3/8	25,000	A	50	69520276	69303
	0.045	1/4	25,000	A	50	69520277	69305
		3/8	25,000	A	50	69520278	69309
	1/8	3/8	25,000	A	50	69520279	69317
4	0.040	1/4	19,000	A	25	*69121062*	69401
		3/8	19,000	A	25	69121063	69403
	0.045	1/4	19,000	A	25	*69121064*	69405
		3/8	19,000	A	25	69121065	69411
	1/8	3/8	19,000	A	25	69121066	69420

Discontinued product



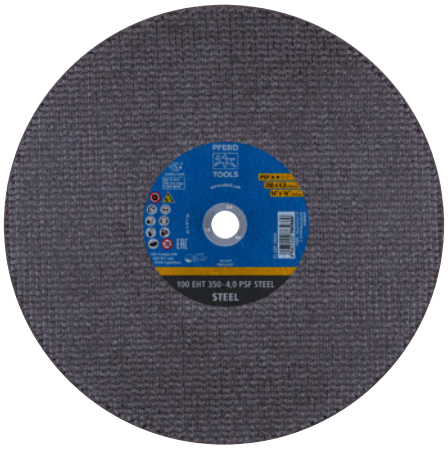
Arbor for small cut-off wheels

Accessory for mounting small cut-off wheels on straight grinders. Rugged product with maximum shank fracture resistance.

S [Inch]	Suitable for arbor hole diameter [Inch]	Total length [Inch]	T_{max} [Inch]		Item no.	EDP no.
1/4	1/4, 3/8	2-1/8	0 – 5/16	1	33700094	69028
	1/4	2-1/8	0 – 5/16	10	33700092	69026
	3/8	2-1/8	0 – 5/16	10	33700093	69027
	1/4	2-1/8	0 – 5/16	1	33700087	69033
	3/8	2-1/8	0 – 5/16	1	33700088	69034
	1/4, 3/8	2-1/8	0 – 5/16	1	33700089	69035

Cut-off wheels for portable gas saws and cut-off grinders

Performance Line PSF ★★☆☆



PSF STEEL ★★☆☆

Cut-off wheel for use on portable gas saws and cut-off grinders with high cutting performance and good service life. Designed for cutting cast iron and steel.

Special features:
- Fast work progress thanks to excellent cutting performance.
- High cost-effectiveness due to good service life.
- Compatible with hand-held cutting.

D [Inch]	T [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat EHT (type 1/41)							
14	1/8	20 mm	5,500	A	1	61329510	64040
		1	5,500	A	1	61329515	64041

Performance Line SG ★★★☆

SG STEEL ★★★☆

Fast-cutting cut-off wheel for use with portable gas saws featuring a very long service life. Designed for cutting cast iron and steel.

Special features:
- Fast work progress thanks to excellent cutting performance.
- Maximum economic efficiency due to maximum durability.
- Compatible with hand-held cutting.

Maximum operating speed	D [Inch]	T [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
100	12	1/8	20 mm	6,400	A	20	61329120	64010
			1	6,400	A	20	61329125	64015
	14	3/16	20 mm	5,500	A	10	61329520	64016
			1	5,500	A	10	61329525	64018
	16	3/16	20 mm	4,800	A	10	61329820	64020
			1	4,800	A	10	61329825	64019

Cut-off wheels for portable gas saws and cut-off grinders

Performance Line SG ★★★☆

SG STONE ★★★☆

Fast-cutting cut-off wheel for use with portable gas saws featuring a very long service life. Designed for cutting Aluminum, asphalt, cast iron, concrete, stone and other non-ferrous materials.

Special features:

- Fast work progress thanks to excellent cutting performance.
- Maximum economic efficiency due to maximum durability.
- Compatible with hand-held cutting.

Maximum operating speed	D [Inch]	T [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
100	14	3/16	20 mm	5,500	C	10	61629520	64236
			1	5,500	C	10	61629525	64238
	16	3/16	1	4,800	C	10	61629400	64239

SG CAST + STONE ★★★☆

Cut-off wheel for use on portable gas saws and cut-off grinders featuring a high cutting performance and maximum service life. Designed for cutting cast iron, concrete, ductile cast iron and reinforced concrete.

Special features:

- Fast work progress thanks to excellent cutting performance.
- Maximum economic efficiency due to maximum durability.
- Compatible with hand-held cutting.

Maximum operating speed	D [Inch]	T [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat EHT (type 1/41)								
100	12	1/8	20 mm	6,400	A/C	20	61329130	64118
			1	6,400	A/C	20	*61329132*	64120
	14	3/16	20 mm	5,500	A/C	10	61329530	64123
			1	5,500	A/C	10	61329532	64124
	16	3/16	20 mm	4,800	A/C	10	69902471	64117

Discontinued product

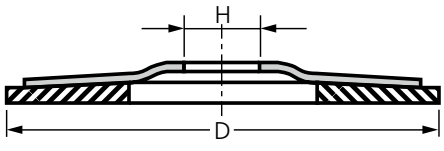
POLIFAN® flap discs
Quick product selection guide

PFERD TOOLS

Product group selection

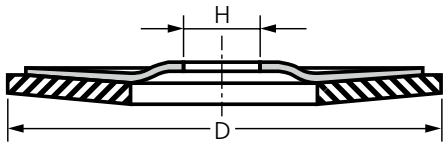
Application	Product line	Steel (STEEL)				Stainless steel (INOX)			Aluminum (ALU)
■ Surface grinding ■ Work on weld seams	**Universal Line PSF** ★★☆☆	A PSF STEELOX	Z PSF STEELOX	Z EXTRA PSF STEELOX	Z PSF TRIM	Z PSF STEELOX	Z EXTRA PSF STEELOX	Z PSF TRIM	
	Performance Line SG ★★★☆	Z SG POWER STEELOX		A SG STEELOX		CO-FREEZE SG INOX		A-COOL SG INOX + ALU	A-COOL SG INOX + ALU
	Special Line SGP ★★★★	Z SGP STRONG STEEL		POLIFAN SGP VICTOGRAIN TRIM STEELOX		CO-FREEZE SGP STRONG INOX		POLIFAN SGP VICTOGRAIN TRIM STEELOX	
■ Chamfering ■ Deburring	**Universal Line PSF** ★★☆☆	Z PSF STEELOX	Z PSF STEELOX	Z EXTRA PSF STEELOX	Z PSF TRIM	Z PSF STEELOX	Z EXTRA PSF STEELOX	Z PSF TRIM	
	Performance Line SG ★★★☆	Z SG POWER STEELOX				CO-COOL SG STEELOX		Z SG POWER STEELOX	A-COOL SG INOX + ALU
	Special Line SGP ★★★★	Z SGP STRONG STEEL		POLIFAN SGP VICTOGRAIN TRIM STEELOX		POLIFAN SGP VICTOGRAIN TRIM STEELOX			
■ Work on fillet welds	**Special Line SGP** ★★★★	Z SGP CURVE STEELOX				CO SGP CURVE STEELOX			A SGP CURVE ALU

Shape selection



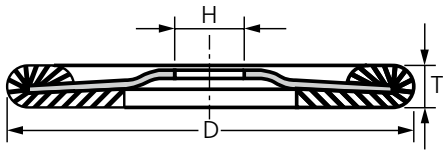
Flat (PFF, type 27)

Larger grinding area for surface grinding. An optimal contact angle of 0–15° offers maximum flap disc usage.



Conical (PFC, type 29)

Narrower grinding area for work on weld seams, chamfering and deburring. An optimal contact angle of 10–25° offers maximum flap disc usage.



Radial (PFR, CURVE)

The specialist for work on fillet welds. After the circumference has worn down, can continue to be used as a conventional flap disc.

POLIFAN® flap discs
Quick product selection guide

PFERD TOOLS

Grit size selection

Note: With POLIFAN® flap discs, grit that is one grade coarser can be selected in order to achieve the same surface as with fibre discs.

	Grit size			
	36/40	50/60	80	120
Application	Work on weld seams			
	Chamfering			
		Deburring		
		Prepare surface for finishing		

Universal Line PSF ★★☆☆

Z PSF STEELOX ★★☆☆

POLIFAN® flap disc for steel and stainless steel (INOX) with aggressive stock removal rate and good service life. Designed for surface grinding, chamfering, deburring and work on weld seams.

Special features:
- Fast work and high economic efficiency due to the aggressive stock removal rate.
- Durable.
- Also works well with low-power angle grinders.

D [Inch]	Grit size	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat (PFF, type 27)							
4-1/2	40	7/8	13,300	Z	10	67664115	62014
	60	7/8	13,300	Z	10	67666115	62015
	80	7/8	13,300	Z	10	67668115	62016
5	40	7/8	12,200	Z	10	67664125	63011
	60	7/8	12,200	Z	10	67666125	63012
	80	7/8	12,200	Z	10	67668125	63013
6	40	7/8	10,200	Z	10	69300646	63051
	60	7/8	10,200	Z	10	69300647	63052
7	40	7/8	8,500	Z	10	67664185	62024
	60	7/8	8,500	Z	10	67666185	62025
Conical (PFC, type 29)							
4-1/2	40	7/8	13,300	Z	10	67764115	62052
	60	7/8	13,300	Z	10	67766115	62053
	80	7/8	13,300	Z	10	67768115	62054
	120	7/8	13,300	Z	10	67769115	62055
5	40	7/8	12,200	Z	10	67764125	63031
	60	7/8	12,200	Z	10	67766125	63032
	80	7/8	12,200	Z	10	67768125	63033
	120	7/8	12,200	Z	10	67769125	63034
6	40	7/8	10,200	Z	10	67764150	63071

Continued on next page

POLIFAN® flap discs
Universal Line PSF ★★☆☆

D [Inch]	Grit size	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
6	60	7/8	10,200	Z	10	67766150	63072
7	40	7/8	8,500	Z	10	67764185	62062
	60	7/8	8,500	Z	10	67766185	62063
	80	7/8	8,500	Z	10	67768185	62064
	120	7/8	8,500	Z	10	67769185	62065
Conical (type 29, PFC) – X-LOCK mounting						X-LOCK	
4-1/2	40	7/8	13,300	Z	10	67664116	60761
	60	7/8	13,300	Z	10	67666116	60762
	80	7/8	13,300	Z	10	67668116	60763
5	40	7/8	12,200	Z	10	67664126	60764
	60	7/8	12,200	Z	10	67666126	60765
	80	7/8	12,200	Z	10	67668126	60766

Z PSF EXTRA STEELOX ★★☆☆

Zirconia alumina flap disc for steel and stainless steel (INOX) with aggressive stock removal rate and long service life. Designed for surface grinding, chamfering, deburring, gradual fine grinding and work on weld seams.

Special features:
- Fast work and high economic efficiency due to the aggressive stock removal rate.
- Very good durability due to high flap density.
- Also works well with low-power angle grinders.

D [Inch]	Grit size	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat (PFF, type 27)							
4-1/2	36	7/8	13,300	Z	10	69300711	60457
	40	7/8	13,300	Z	10	69300712	60458
	60	7/8	13,300	Z	10	69300713	60460
	80	7/8	13,300	Z	10	69300714	60461
	120	7/8	13,300	Z	10	69300715	60462
5	36	7/8	12,200	Z	10	69300763	60464
	40	7/8	12,200	Z	10	69300764	60465
	60	7/8	12,200	Z	10	69300765	60467
	80	7/8	12,200	Z	10	69300766	60468
	120	7/8	12,200	Z	10	69300767	60469
7	40	7/8	8,500	Z	10	69300735	60479
	60	7/8	8,500	Z	10	69300736	60481
Conical (PFC, type 29)							
4-1/2	36	7/8	13,300	Z	10	69300716	60625
	40	7/8	13,300	Z	10	69300717	60626
	60	7/8	13,300	Z	10	69300718	60628
	80	7/8	13,300	Z	10	69300719	60629
	120	7/8	13,300	Z	10	69300720	60630
5	36	7/8	12,200	Z	10	69300768	60632

Continued on next page

POLIFAN® flap discs
Universal Line PSF ★★☆☆

D [Inch]	Grit size	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
5	40	7/8	12,200	Z	10	69300769	60633
	60	7/8	12,200	Z	10	69300770	60635
	80	7/8	12,200	Z	10	69300771	60636
	120	7/8	12,200	Z	10	69300772	60637
6	40	7/8	10,200	Z	10	69300859	60640
	60	7/8	10,200	Z	10	69300860	60642
	80	7/8	10,200	Z	10	69300861	60643
7	36	7/8	8,500	Z	10	69300739	60646
	40	7/8	8,500	Z	10	69300740	60647
	60	7/8	8,500	Z	10	69300741	60649

Z PSF EXTRA TRIM STEELOX ★★☆☆

Zirconia alumina flap disc for steel and stainless steel (INOX) with aggressive stock removal rate and long service life. Designed for surface grinding, chamfering, deburring, gradual fine grinding and work on weld seams.

Special features:
- Fast work and high economic efficiency due to the aggressive stock removal rate.
- Very good durability due to high flap density.
- Also works well with low-power angle grinders.

D [Inch]	Grit size	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat (PFF, type 27)							
4-1/2	40	7/8	13,300	Z	10	69300900	68098
	60	7/8	13,300	Z	10	69300901	68099
	80	7/8	13,300	Z	10	69300902	68100
5	40	7/8	12,200	Z	10	69300903	68104
	60	7/8	12,200	Z	10	69300904	68105
	80	7/8	12,200	Z	10	69300905	68106

POLIFAN® flap discs
Performance Line SG ★★★☆

A SG STEELOX ★★★☆

Aluminum oxide flap disc for steel and stainless steel (INOX) with high stock removal rate and very long service life. Designed for surface grinding and work on weld seams.

Special features:
- Fast work and high cost-effectiveness due to the high stock removal rate.
- Very long service life.

D [Inch]	Grit size	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat (PFF, type 27)							
4	40	5/8	15,300	A	10	67604100	62140
	60	5/8	15,300	A	10	67606100	62142
	80	5/8	15,300	A	10	67608100	62144
	120	5/8	15,300	A	10	67612100	62146
4-1/2	40	7/8	13,300	A	10	67604115	62150
	60	7/8	13,300	A	10	67606115	62152
	80	7/8	13,300	A	10	67608115	62154
	120	7/8	13,300	A	10	67612115	62156
5	40	7/8	12,200	A	10	67604125	62158
	60	7/8	12,200	A	10	67606125	62160
	80	7/8	12,200	A	10	67608125	62162
	120	7/8	12,200	A	10	67612125	62164
7	40	7/8	8,500	A	10	67604185	62168
	60	7/8	8,500	A	10	67606185	62170
	80	7/8	8,500	A	10	67608185	62172
	120	7/8	8,500	A	10	67612185	62174
Conical (PFC, type 29)							
4-1/2	40	7/8	13,300	A	10	67704115	62202
	60	7/8	13,300	A	10	67706115	62203
	80	7/8	13,300	A	10	67708115	62204
	120	7/8	13,300	A	10	67712115	62205
5	40	7/8	12,200	A	10	67704125	62213
	60	7/8	12,200	A	10	67706125	62214
	80	7/8	12,200	A	10	67708125	62215
	120	7/8	12,200	A	10	67712125	62216
7	40	7/8	8,500	A	10	67704185	62208
	60	7/8	8,500	A	10	67706185	62209
	80	7/8	8,500	A	10	67708185	62210
	120	7/8	8,500	A	10	67712185	62211

POLIFAN® flap discs
Performance Line SG ★★★☆

A-COOL SG INOX+ALU ★★★☆

Top-sized aluminum oxide flap disc with particularly cool grinding on materials with poor thermal conduction such as stainless steel (INOX) and aluminum. Designed for surface grinding, chamfering, deburring and work on weld seams.

Special features:
- Less heat build-up in the workpiece compared with other flap discs.
- Special top-sized abrasive material prevents loading on soft metals such as aluminum.

D [Inch]	Grit size	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat (PFF, type 27)							
4-1/2	40	7/8	13,300	A-COOL	10	67654115	62361
	60	7/8	13,300	A-COOL	10	67656115	62362
	80	7/8	13,300	A-COOL	10	67658115	62363
5	40	7/8	12,200	A-COOL	10	67654125	62365
	60	7/8	12,200	A-COOL	10	67656125	62366
	80	7/8	12,200	A-COOL	10	67658125	62367
7	40	7/8	8,500	A-COOL	10	67654185	62369
	60	7/8	8,500	A-COOL	10	67656185	62370
	80	7/8	8,500	A-COOL	10	67658185	62371
Conical (PFC, type 29)							
4-1/2	40	7/8	13,300	A-COOL	10	67754115	62231
	60	7/8	13,300	A-COOL	10	67756115	62232
	80	7/8	13,300	A-COOL	10	67758115	62233
5	40	7/8	12,200	A-COOL	10	67754125	62235
	60	7/8	12,200	A-COOL	10	67756125	62236
	80	7/8	12,200	A-COOL	10	67758125	62237

POLIFAN® flap discs
Performance Line SG ★★★☆

Z SG POWER STEELOX ★★★☆

The POLIFAN® Z SG POWER STEELOX flap disc stands out due to its aggressive stock removal rate and excellent service life while achieving maximum efficiency. Designed for work on weld seams, as well as for chamfering and deburring.

Special features:
- Fast work and maximum economic efficiency due to the aggressive stock removal rate.
- Maximum aggressiveness over the entire service life.
- Excellent durability.

D [Inch]	Grit size	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat (PFF, type 27)							
4	60	5/8	15,300	Z	10	*69300158*	62139
4-1/2	36	7/8	13,300	Z	10	69300823	62173
	40	7/8	13,300	Z	10	67684115	62176
	60	7/8	13,300	Z	10	67686115	62178
5	36	7/8	12,200	Z	10	69300824	62181
	40	7/8	12,200	Z	10	67684125	62182
	60	7/8	12,200	Z	10	67686125	62184
7	36	7/8	8,500	Z	10	69300618	62187
	40	7/8	8,500	Z	10	67684185	62188
	60	7/8	8,500	Z	10	67686185	62190
Conical (PFC, type 29)							
4-1/2	24	7/8	13,300	Z	10	69300204	62221
	36	7/8	13,300	Z	10	*69300825*	62191
	40	7/8	13,300	Z	10	67784115	62222
	50	7/8	13,300	Z	10	67785116	64553
	60	7/8	13,300	Z	10	67786115	62223
	80	7/8	13,300	Z	10	67788116	62220
	120	7/8	13,300	Z	10	67789116	62259
5	36	7/8	12,200	Z	10	*69300826*	62192
	40	7/8	12,200	Z	10	67784125	62225
	50	7/8	12,200	Z	10	67785126	64554
	60	7/8	12,200	Z	10	67786125	62226
	80	7/8	12,200	Z	10	67788126	62261
	120	7/8	12,200	Z	10	67789126	62263
6	40	7/8	10,200	Z	10	67784150	62186
	60	7/8	10,200	Z	10	67786150	62189
7	40	7/8	8,500	Z	10	67784185	62228
	50	7/8	8,500	Z	10	67785186	64555
	60	7/8	8,500	Z	10	67786185	62229

Continued on next page

Discontinued product

POLIFAN® flap discs
Performance Line SG ★★★☆

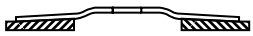
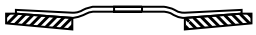
PFERD TOOLS

D [Inch]	Grit size	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Conical (type 29, PFC) – X-LOCK mounting **X-LOCK**							
5	40	7/8	12,200	Z	10	67784126	60778
	60	7/8	12,200	Z	10	67786126	60779
	80	7/8	12,200	Z	10	67788127	60780

CO-COOL SG STEELOX ★★★☆

Cool grinding POLIFAN® flap disc for materials that are difficult to grind such as high-alloy and rust-resistant steel, nickel-based alloys or titanium alloys. Designed for surface grinding, chamfering, deburring and work on weld seams.

Special features:
- The self-sharpening action of the ceramic oxide grain guarantees optimal results, even on materials that are difficult to grind.
- Less heat build-up in the workpiece compared with other flap discs.

D [Inch]	Grit size	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat (PFF, type 27) 							
4-1/2	40	7/8	13,300	CO-COOL	10	67660415	62597
	60	7/8	13,300	CO-COOL	10	67660615	62599
5	40	7/8	12,200	CO-COOL	10	67660425	62603
	60	7/8	12,200	CO-COOL	10	67660625	62605
7	40	7/8	8,500	CO-COOL	10	67660485	62615
Conical (PFC, type 29) 							
4-1/2	40	7/8	13,300	CO-COOL	10	67760415	62651
	60	7/8	13,300	CO-COOL	10	67760615	62653
5	40	7/8	12,200	CO-COOL	10	67760425	62657
	60	7/8	12,200	CO-COOL	10	67760625	62659
7	40	7/8	8,500	CO-COOL	10	67760485	62669

POLIFAN® flap discs
Performance Line SG ★★★☆

CO-FREEZE SG INOX ★★★☆

POLIFAN® flap disc specifically designed for stainless steel (INOX) with very cool grinding. Designed for surface grinding and work on weld seams. No heat discoloration occurs, which means that no reworking is required.

Special features:
- Significantly lower heat input into the workpiece compared to standard flap discs due to the FREEZE coating.
- Flying sparks are minimized.
- Damage to stainless steel workpieces from sparks is almost entirely eliminated.

D [Inch]	Grit size	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Flat (PFF, type 27)							
4-1/2	36	7/8	13,300	CO-FREEZE	10	67611536	60804
	50	7/8	13,300	CO-FREEZE	10	67611550	60805
	80	7/8	13,300	CO-FREEZE	10	67611580	60806
5	36	7/8	12,200	CO-FREEZE	10	67612536	60807
	50	7/8	12,200	CO-FREEZE	10	67612550	60808
	80	7/8	12,200	CO-FREEZE	10	67612580	60809
Conical (PFC, type 29)							
4-1/2	36	7/8	13,300	CO-FREEZE	10	67711536	60810
	50	7/8	13,300	CO-FREEZE	10	67711550	60811
	80	7/8	13,300	CO-FREEZE	10	67711580	60812
5	36	7/8	12,200	CO-FREEZE	10	67712536	60813
	50	7/8	12,200	CO-FREEZE	10	67712550	60814
	80	7/8	12,200	CO-FREEZE	10	67712580	60815
7	36	7/8	8,500	CO-FREEZE	10	67718036	60816
	50	7/8	8,500	CO-FREEZE	10	67718050	60817

POLIFAN® flap discs
Special Line SGP ★★★★

PFERD TOOLS

SGP VICTOGRAIN® TRIM STEELOX ★★★★

The POLIFAN VICTOGRAIN® delivers outstanding performance and achieves exceptionally high abrasive performance thanks to the triangular, precision-shaped abrasive grain from PFERD TOOLS.

Special features:
- Ultimate cost-effectiveness through the highest stock removal rate per unit of time and reduced disc consumption due to long service life.
- Trimming the tool enables the abrasive to be used optimally.

D [Inch]	Grit size	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Conical (PFC, type 29)							
4-1/2	40	7/8	13,300	VICTOGRAIN	10	67761115	64780
	60	7/8	13,300	VICTOGRAIN	10	67762115	64781
5	40	7/8	12,200	VICTOGRAIN	10	67761125	64782
	60	7/8	12,200	VICTOGRAIN	10	67762125	64783
7	40	7/8	8,500	VICTOGRAIN	10	67761180	64784
	60	7/8	8,500	VICTOGRAIN	10	67762180	64785

Z SGP STRONG STEEL ★★★★

The innovative POLIFAN® STRONG flap disc delivers top performance. It surpasses conventional flap discs and redefines the highest levels of efficiency. Designed for work on weld seams, as well as for chamfering and deburring.

Special features:
- Fast grinding due to constant grinding aggressiveness down to the last abrasive grit.
- Ultimate economic efficiency due to extremely fast stock removal rate and less wear on discs, plus the ultimate service life.
- PFERD TOOLS' POLIFAN® STRONG is patented in many countries across the globe.

D [Inch]	Grit size	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Conical (PFC, type 29)							
4-1/2	36	7/8	13,300	Z	10	67788015	62945
	50	7/8	13,300	Z	10	67788115	62947
5	36	7/8	12,200	Z	10	67788025	62955
	50	7/8	12,200	Z	10	67788125	62957
7	36	7/8	8,500	Z	10	67788080	62975
	50	7/8	8,500	Z	10	67788180	62977

New item

POLIFAN® flap discs
Special Line SGP ★★★★

Z SGP CURVE STEELOX ★★★★

High-performance flap disc for maximum stock removal on steel and stainless steel (INOX). The POLIFAN® CURVE flap disc has been specifically developed for work on fillet welds. Also excellent for work on weld seams, as well as for chamfering and deburring.

Special features:

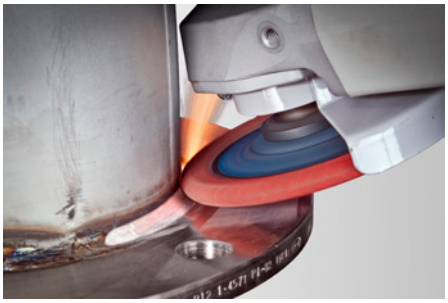
- It is the only flap disc in the world that has flaps on both the grinding side and on the rear side, as well as on the radius.
- Outstanding service life when working on fillet welds and a high stock removal rate ensure fast work and lower production costs.
- PFERD TOOLS' POLIFAN® CURVE is patented in many countries across the globe.

D [Inch]	Fillet weld radius > [Inch]	Grit size	Width	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Radial type PFR (CURVE)									
4-1/2	3/16	40	M (3/16″)	7/8	13,300	Z	10	67689032	67192
							2	69902670	66991
	5/16	40	L (5/16″)	7/8	13,300	Z	10	67689042	67339
5	3/16	40	M (3/16″)	7/8	12,200	Z	10	67689052	67196
							2	69398197	66990
	5/16	40	L (5/16″)	7/8	12,200	Z	10	67689062	67343
6	3/16	40	M (3/16″)	7/8	10,200	Z	10	67689072	67200
	5/16	40	L (5/16″)	7/8	10,200	Z	10	67689082	67347
7	5/16	40	L (5/16″)	7/8	8,500	Z	10	67689095	67351
Radial type PFR (CURVE) – X-LOCK mounting								**X-LOCK**	
5	3/16	40	M (3/16″)	7/8	12,200	Z	10	67689053	67798
	5/16	40	L (5/16″)	7/8	12,200	Z	10	67689063	67799

POLIFAN® flap discs
Special Line SGP ★★★★

CO SGP CURVE STEELOX ★★★★

High-performance flap disc for achieving a superior surface finish on steel and stainless steel (INOX). The POLIFAN® CURVE flap disc has been specially developed for work on fillet welds. Also designed for work on weld seams, as well as for chamfering and deburring.



Special features:
- It is the only flap disc in the world that has flaps on both the grinding side and on the rear side, as well as on the radius.
- Ceramic oxide grain CO with active-grinding special coating with cooling effect (CO-COOL) – no heat discoloration, even under adverse thermal conditions.
- PFERD TOOLS' POLIFAN® CURVE is patented in many countries across the globe.

D [Inch]	Fillet weld radius > [Inch]	Grit size	Width	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Radial type PFR (CURVE)									
4-1/2	3/16	60	M (3/16")	7/8	13,300	CO-COOL	10	67689036	67234
	5/16	60	L (5/16")	7/8	13,300	CO-COOL	10	67689046	67381
5	3/16	60	M (3/16")	7/8	12,200	CO-COOL	10	67689056	67197
	5/16	60	L (5/16")	7/8	12,200	CO-COOL	10	67689066	67344

A SGP CURVE ALU ★★★★

Special flap disc for work on fillet welds on aluminum. The POLIFAN® CURVE flap disc has been specially developed for work on fillet welds. Also designed for work on weld seams, as well as for chamfering and deburring.

Special features:
- It is the only flap disc in the world that has flaps on both the grinding side and on the rear side, as well as on the radius.
- The active grinding additives prevent loading and facilitate cool grinding.
- PFERD TOOLS' POLIFAN® CURVE is patented in many countries across the globe.

D [Inch]	Fillet weld radius > [Inch]	Grit size	Width	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Radial type PFR (CURVE)									
4-1/2	5/16	40	L (5/16")	7/8	13,300	A-COOL	10	67689048	67646
5	5/16	40	L (5/16")	7/8	12,200	A-COOL	10	67689068	67651

CC-GRIND Grinding Wheels
Quick product selection guide

PFERD TOOLS

Product group selection

Application	Product line	Steel (STEEL)					Stainless steel (INOX)		
		... SOLID	... FLEX	... STRONG	... ROBUST	... VIEW	... SOLID	... ROBUST	... VIEW
■ Surface grinding ■ Levelling ■ Work on weld seams ■ Chamfering ■ Deburring	**Performance Line SG** ★★★☆	 CC-GRIND® SOLID SG STEEL		 CC-GRIND® STRONG SG STEEL			 CC-GRIND® SOLID SG INOX		
	Special Line SGP ★★★★	 CC-GRIND® SOLID SGP STEEL			 CC-GRIND® ROBUST SGP STEELOX	 CC-GRIND® VIEW SGP STEELOX	 CC-GRIND® SOLID SGP INOX	 CC-GRIND® ROBUST SGP STEELOX	 CC-GRIND® VIEW SGP STEELOX
■ Levelling butt welds	**Performance Line SG** ★★★☆		 CC-GRIND® FLEX SG STEEL						
	Special Line SGP ★★★★		 CC-GRIND® FLEX SGP STEEL						

Performance Line SG ★★★☆

CC-GRIND® SOLID SG STEEL ★★★☆

Grinding disc for steel with high grinding performance and maximum service life. Modern, high performance and ergonomic alternative to a grinding wheel. Designed for surface grinding, chamfering, deburring and work on weld seams.

Special features:
- Extremely fast work progress due to highly aggressive abrasive grit and significantly improved surface finish compared to grinding wheels.
- Significantly more ergonomic than a conventional grinding wheel: 50% reduction in noise and vibrations, 80% less dust.
- Layered structure of the fibreglass backing pad facilitates use that is just as durable and safe as with a grinding wheel.

D [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
SOLID						
4-1/2	7/8	13,300	CO-COOL	10	64185115	61200
5	7/8	12,200	CO-COOL	10	64185125	61201
6	7/8	10,200	CO-COOL	10	64185150	61202
7	7/8	8,500	CO-COOL	10	64185180	61203

CC-GRIND® SOLID SG INOX ★★★☆

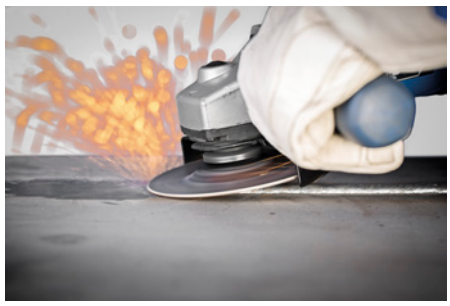
Grinding disc for stainless steel (INOX) with high grinding performance and maximum service life. Modern, high performance and ergonomic alternative to a grinding wheel. Designed for work on weld seams, as well as for chamfering and deburring.

Special features:
- Extremely fast work progress due to highly aggressive abrasive grit and significantly improved surface finish compared to grinding wheels.
- Significantly more ergonomic than a conventional grinding wheel: 50% reduction in noise and vibrations, 80% less dust.
- Layered structure of the fibreglass backing pad facilitates use that is just as durable and safe as with a grinding wheel.

D [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
SOLID						
4-1/2	7/8	13,300	CO-COOL	10	64186115	61215
5	7/8	12,200	CO-COOL	10	64186125	61216
7	7/8	8,500	CO-COOL	10	64186180	61218

CC-GRIND® FLEX SG STEEL ★★★☆

The CC-GRIND® FLEX is the semi-flexible addition to the CC-GRIND® family. It was specially developed for work on weld seams. Butt welds can be smoothed completely flat. This gets rid of any dents and bumps that are visible, particularly after painting or varnishing. Designed for work on weld seams, step-by-step fine grinding, and surface grinding.



Special features:
- Complete smoothing of butt welds – without dents or bumps.
- Significantly more ergonomic than a conventional grinding wheel: 50% reduction in noise and vibrations, 80% less dust.
- Layered structure of the fibreglass backing pad facilitates use that is just as durable and safe as with a grinding wheel.

D [Inch]	Grit size	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
FLEX							
4-1/2	FINE	7/8	13,300	CO-COOL	10	64187115	61186
	COARSE	7/8	13,300	CO-COOL	10	64188115	61188
5	FINE	7/8	12,200	CO-COOL	10	64187125	61190
	COARSE	7/8	12,200	CO-COOL	10	64188125	61192

CC-GRIND® clamping flange set

The CC-GRIND® clamping flange set optimally aligns the CC-GRIND® SOLID and CC-GRIND® FLEX in the angle grinder protective guard. This means that the grinding discs can be positioned so that they are particularly flat against the workpiece, therefore maximizing efficiency.

Suitable for angle grinders		Item no.	EDP no.
Imperial			
4-1/2" / 5", 5/8"-11 spindle	1	33500115	69116
6" / 7", 5/8"-11 spindle	1	33500180	69117

CC-GRIND® STRONG SG STEEL ★★★☆

The CC-GRIND® STRONG is the stepping stone between the classic grinding wheel and the modern alternative CC-GRIND® SOLID. Designed for surface grinding, chamfering, deburring, and work on weld seams.

Special features:

- Three times the service life compared to CC-GRIND® SOLID SG STEEL due to backer that also grinds as well as three abrasive layers.
- Extremely fast work progress due to highly aggressive abrasive grit and significantly improved surface finish compared to grinding wheels.
- Significantly more ergonomic than a conventional grinding wheel: 50% reduction in noise and vibrations, 70% less dust.

D [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
STRONG						
4-1/2	7/8	13,300	CO	10	64181115	61262
5	7/8	12,200	CO	10	64181125	61263

CC-GRIND Grinding Wheels
Special Line SGP ★★★★

CC-GRIND® SOLID SGP STEEL with VICTOGRAIN® abrasive grain ★★★★

Grinding disc with precision-molded, triangular high-performance **VICTO**GRAIN® abrasive for steel with maximum grinding performance and outstanding service life. Designed for surface grinding, chamfering, deburring and work on weld seams.

Special features:
- The ultimate in aggressive performance for ultra-fast work progress and significantly improved surface finishes compared to grinding wheels.
- Significantly more ergonomic than a conventional grinding wheel: 50% reduction in noise and vibrations, 80% less dust.
- Layered structure of the fibreglass backing pad facilitates use that is just as durable and safe as with a grinding wheel.

D [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
SOLID						
4-1/2	7/8	13,300	VICTOGRAIN	10	64187116	61167
5	7/8	12,200	VICTOGRAIN	10	64187126	61168
6	7/8	10,200	VICTOGRAIN	10	64187150	61169
7	7/8	8,500	VICTOGRAIN	10	64187180	61170

CC-GRIND® SOLID SGP INOX with VICTOGRAIN® abrasive grain ★★★★

Grinding disc with precision-molded, triangular high-performance abrasive **VICTO**GRAIN® for stainless steel (INOX) with maximum grinding performance and outstanding service life. Designed for work on weld seams, as well as for chamfering and deburring.

Special features:
- The ultimate in aggressive performance for ultra-fast work progress and significantly improved surface finishes compared to grinding wheels.
- Significantly more ergonomic than a conventional grinding wheel: 50% reduction in noise and vibrations, 80% less dust.
- Layered structure of the fibreglass backing pad facilitates use that is just as durable and safe as with a grinding wheel.

D [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
SOLID						
4-1/2	7/8	13,300	VICTOGRAIN	10	64189115	61240
5	7/8	12,200	VICTOGRAIN	10	64189125	61241
7	7/8	8,500	VICTOGRAIN	10	64189180	61242

CC-GRIND Grinding Wheels
Special Line SGP ★★★★

CC-GRIND® clamping flange set

The CC-GRIND® clamping flange set optimally aligns the CC-GRIND® SOLID and CC-GRIND® FLEX in the angle grinder protective guard. This means that the grinding discs can be positioned so that they are particularly flat against the workpiece, therefore maximizing efficiency.

Suitable for angle grinders		Item no.	EDP no.
Imperial			
4-1/2" / 5", 5/8"-11 spindle	1	33500115	69116
6" / 7", 5/8"-11 spindle	1	33500180	69117

CC-GRIND® ROBUST SGP STEELOX with VICTOGRAIN® abrasive grain ★★★★

Grinding disc with precision-formed, triangular **VICTO**GRAIN® abrasive grain for steel and stainless steel (INOX) with highest grinding performance and outstanding tool life. Suitable for surface grinding, weld dressing, chamfering, and deburring.

Special features:
- The use of a special clamping flange set is not necessary due to the design.
- Significantly more ergonomic than a conventional grinding wheel: Noise, vibrations and dust are significantly reduced.
- Fibreglass-reinforced plastic backing pad facilitates a robust, reliable application.

D [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
ROBUST						
4-1/2	7/8	13,300	VICTOGRAIN	10	64195116	61152
5	7/8	12,200	VICTOGRAIN	10	64195126	61153
7	7/8	8,500	VICTOGRAIN	10	64195180	61177
ROBUST – threaded arbor hole						
4-1/2	5/8-11	13,300	VICTOGRAIN	10	64195119	61154
5		12,200	VICTOGRAIN	10	64195120	61155

New item

CC-GRIND® VIEW SGP STEELOX with VICTOGRAIN® abrasive grain ★★★★

Grinding disc with unique design and the **VICTO**GRAIN® high-performance abrasive grain. The viewing pane enables users to monitor their work progress while using the product. Designed for surface grinding, chamfering, deburring and work on weld seams.

Special features:

- Users can easily maintain an optimal contact angle based on the sparking visible through the viewing pane.
- Significantly more ergonomic than a conventional grinding wheel: Noise, vibrations and dust are significantly reduced.
- Fibreglass-reinforced plastic backing pad facilitates a robust, reliable application.

D [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
VIEW						
4-1/2	7/8	13,300	VICTOGRAIN	10	64196116	61156
5	7/8	12,200	VICTOGRAIN	10	64196126	61158

New item

Grinding wheels
Quick product selection guide

Product group selection

Application	Product line	Steel (STEEL)		Stainless steel (INOX)		Aluminum (ALU)	Cast material (CAST)	
■ Surface grinding ■ Work on weld seams ■ Chamfering ■ Deburring ■ Fillet weld grinding ■ Root seam processing ■ Grouting	**Universal Line PSF** ★★☆☆	PSF STEEL	PSF STEELOX	PSF STEELOX				
	Performance Line SG ★★★☆	SG STEEL	CERAMIC SG COMFORT STEEL	SG INOX		SG ALU	SG CAST + STEEL	SG CAST + STONE
	Special Line SGP ★★★★	CERAMIC SGP STEELOX	ZIRKON SGP STEEL	WHISPER SGP STEELOX	CERAMIC SGP STEELOX	WHISPER SGP STEELOX		

Universal Line PSF ★★☆☆

PSF STEEL ★★☆☆

Grinding wheel for steel and cast iron with high grinding performance and long service life. Designed for surface grinding, grouting, chamfering, deburring, and for work on weld seams and fillet welds.

Special features:
- Fast work and high economic efficiency due to the high grinding performance.
- Good service life and soft grinding characteristics, outstanding results even at low contact pressure.
- Also works well with low-power angle grinders.

D [Inch]	U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Depressed center (type 27) – plain arbor hole							
4-1/2	1/4	7/8	13,300	A	10	69220639	60006
5	1/4	7/8	12,200	A	10	69901712	60007
7	1/4	7/8	8,500	A	10	69220640	60009
Depressed-center design E (type 27) – X-LOCK mounting						**X-LOCK**	
4-1/2	1/4	7/8	13,300	A	10	62011115	60171
5	1/4	7/8	12,200	A	10	62011125	60172

PSF STEELOX ★★☆☆

Grinding wheel for steel and stainless steel (INOX) with high grinding performance and long service life. Designed for surface grinding, grouting, chamfering and for work on weld seams and fillet welds.

Special features:

- Fast work and high economic efficiency due to the high grinding performance.
- Good service life and soft grinding characteristics, outstanding results even at low contact pressure.
- Also works well with low-power angle grinders.

D [Inch]	U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Depressed center (type 27) – plain arbor hole							
4	1/4	5/8	15,300	A	10	62010720	61000
4-1/2	1/8	7/8	13,300	A	10	62011531	63410
	1/4	7/8	13,300	A	10	62011640	61002
5	1/8	7/8	12,200	A	10	69220531	63411
	1/4	7/8	12,200	A	10	62012640	61003
6	1/8	7/8	10,200	A	10	62015520	63398
	1/4	7/8	10,200	A	10	62015640	61011
7	1/8	7/8	8,500	A	10	62017950	63412
	1/4	7/8	8,500	A	10	62017640	61004
9	1/8	7/8	6,600	A	10	60003980	63413
	1/4	7/8	6,600	A	10	62023640	61005

SG STEEL ★★★☆

Grinding wheel for steel with high grinding performance and very long service life. Designed for surface grinding, grouting, chamfering and for work on weld seams and fillet welds.

Special features:
- Fast work and maximum economic efficiency due to the high grinding performance.
- Very good durability.

D [Inch]	U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Depressed center (type 27) – plain arbor hole							
4	1/4	5/8	15,300	A	10	62210626	61024
4-1/2	1/8	7/8	13,300	A	10	62211436	63400
	1/4	7/8	13,300	A	10	62211626	61026
5	1/8	7/8	12,200	A	10	69120686	63406
	1/4	7/8	12,200	A	10	62212626	61028
6	1/8	7/8	10,200	A	10	69220473	63399
	1/4	7/8	10,200	A	10	62215726	61030
7	1/8	7/8	8,500	A	10	62223324	63401
	1/4	7/8	8,500	A	10	62217626	61032
9	1/8	7/8	6,600	A	10	69120527	63402
	1/4	7/8	6,600	A	10	62223626	61035
Saucer (type 28) – plain arbor hole							
7	1/4	7/8	8,500	A	10	63416154	61701
9	1/4	7/8	6,600	A	10	63416180	61702

SG INOX ★★★☆

Grinding wheel for stainless steel (INOX) with high grinding performance and very long service life. Designed for surface grinding, grouting, chamfering and for work on weld seams and fillet welds.

Special features:
- Soft, cool grinding on stainless steel (INOX).
- Fast work and maximum economic efficiency due to the high grinding performance.
- Very good durability.

D [Inch]	U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Depressed center (type 27) – plain arbor hole							
4-1/2	1/8	7/8	13,300	A	10	62211423	61104
	1/4	7/8	13,300	A	10	62211623	61105
5	1/4	7/8	12,200	A	10	62212623	61106
6	1/4	7/8	10,200	A	10	62222730	61107
7	1/4	7/8	8,500	A	10	62217632	61108
9	1/4	7/8	6,600	A	10	62223632	61109

SG NOTCHING STEELOX ★★★☆

Special grinding wheel for grinding weld seams on steel and stainless steel (INOX) with high grinding performance and very long service life. Designed for cutting, grouting and work on root seams.

Special features:
- Very good durability.
- High lateral stability.
- Ideal for working on TIG weld seams on stainless steel (INOX).

D [Inch]	U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Depressed center (type 27) – plain arbor hole							
4-1/2	1/8	7/8	13,300	A	20	69900062	63421
5	1/8	7/8	12,200	A	20	69900064	63422
6	1/8	7/8	10,200	A	20	69902178	63423
9	1/8	7/8	6,600	A	10	*69900065*	63425

Discontinued product

Grinding wheels
Performance Line SG ★★★☆

SG ALU ★★★☆

Grinding wheel for aluminum and other non-ferrous metals with high grinding performance and very long service life. Designed for surface grinding, grouting, chamfering and for work on weld seams and fillet welds.

Special features:
- Operates without the grinding wheel loading, even on soft, sticky materials.
- Fast work and maximum economic efficiency due to the high grinding performance.
- These products contain no fillers that can leave residues on the workpiece. The surfaces can be welded immediately after cutting or grinding.

D [Inch]	U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Depressed center (type 27) – plain arbor hole							
4-1/2	1/8	7/8	13,300	A/C	10	69220650	61311
	1/4	7/8	13,300	A/C	10	62211622	61301
5	1/4	7/8	12,200	A/C	10	62212622	61302
6	1/4	7/8	10,200	A/C	10	62215717	61309
7	1/4	7/8	8,500	A/C	10	62217622	61304
9	1/4	7/8	6,600	A/C	10	62223700	61305

Special Line SGP ★★★★

WHISPER SGP STEELOX ★★★★

Thanks to its multi-layer design, the WHISPER grinding wheel generates significantly less vibration and considerably less noise than conventional models. Suitable for surface grinding and for work on weld seams and fillet welds.

Special features:
- Noise level decreased by up to 12 dB(A), a reduction of more than 90%.
- Flexible structure enables soft, comfortable grinding with an outstanding surface finish.
- Problem solver for scale.

D [Inch]	U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Depressed center (type 27) – plain arbor hole							
4-1/2	1/4	7/8	13,300	A	10	62211848	61582
5	1/4	7/8	12,200	A	10	62212848	61583

ZIRKON SGP STEEL ★★★★

Zirconia alumina grinding wheel with very good grinding performance and an excellent service life. Designed for surface grinding, grouting, chamfering and for work on weld seams and fillet welds.

Special features:
- Very fast work and maximum economic efficiency due to very good grinding performance.
- Excellent durability.

D [Inch]	U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Depressed center (type 27) – plain arbor hole							
4-1/2	1/4	7/8	13,300	Z/A	10	62211737	61553
5	1/4	7/8	12,200	Z/A	10	62212737	61554
6	1/4	7/8	10,200	Z/A	10	62215326	61555
7	1/4	7/8	8,500	Z/A	10	62217737	61556
9	1/4	7/8	6,600	Z/A	10	62223737	61557

CERAMIC SGP STEELOX ★★★★

High-performance grinding wheel with ceramic oxide grain for quick and cost-effective grinding. Designed for surface grinding, grouting, chamfering and for work on weld seams and fillet welds.

Special features:
- The ultimate in aggressive performance and outstanding service life due to self-sharpening high-performance abrasive and special bond technology.
- Lower production costs due to much faster work progress compared to conventional grinding wheels.
- Labor-saving.

D [Inch]	U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Depressed center (type 27) – plain arbor hole							
4-1/2	1/8	7/8	13,300	CO	10	62100115	60088
	1/4	7/8	13,300	CO	10	62211300	60055
5	1/8	7/8	12,200	CO	10	62100125	60089
	1/4	7/8	12,200	CO	10	62212300	60056
6	1/8	7/8	10,200	CO	10	62100150	60090
	1/4	7/8	10,200	CO	10	69901759	60057
7	1/8	7/8	8,500	CO	10	62100180	60091
	1/4	7/8	8,500	CO	10	62217300	60058

Continued on next page

Grinding wheels
Special Line SGP ★★★★

D [Inch]	U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
9	1/8	7/8	6,600	CO	10	62100230	60092
	1/4	7/8	6,600	CO	10	62218300	60059

Grinding wheels for foundries
Performance Line SG ★★★☆

SG CAST + STONE ★★★☆

Grinding wheel optimized for use on cast iron, casting scale, stone, concrete and hard aluminum alloys with high grinding performance and very long service life. Designed for surface grinding, chamfering and deburring.

Special features:
- Very fast work progress and high efficiency due to high grinding performance and very long service life.
- Optimized for use on compressed-air turbine and high-frequency angle grinders.

D [Inch]	U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Depressed center (type 27) – plain arbor hole							
4-1/2	1/4	7/8	13,300	C	10	62911625	61501
5	1/4	7/8	12,200	C	10	62912725	61502
7	1/4	7/8	8,500	C	10	62917625	61504
9	1/4	7/8	6,600	C	10	62914720	61505
Saucer (type 28) – plain arbor hole							
7	1/4	7/8	8,500	C	10	63416200	61705
9	1/4	7/8	6,600	C	10	63418900	61706

ZIRKON SG CAST + STEEL ★★★☆

Zirconia alumina grinding wheel optimized for use on grey/nodular cast iron (GG/GJL, GGG/GJS) and steel with excellent grinding performance and very long service life. Designed for surface grinding, grouting, chamfering, deburring and for work on weld seams and fillet welds.

Special features:
- Very fast work progress and high efficiency due to high grinding performance and very long service life.
- Optimized for use on compressed-air turbine and high-frequency angle grinders.

D [Inch]	U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Depressed center (type 27) – plain arbor hole							
4-1/2	1/8	7/8	13,300	Z/A	10	69220495	63251
	1/4	7/8	13,300	Z/A	10	62211747	61602
5	1/8	7/8	12,200	Z/A	10	69220609	63252
	1/4	7/8	12,200	Z/A	10	62212747	61604

Continued on next page

Grinding wheels for foundries
Performance Line SG ★★★☆

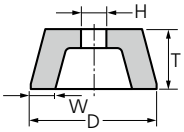
D [Inch]	U [Inch]	H [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
6	1/8	7/8	10,200	Z/A	10	69220641	63250
	1/4	7/8	10,200	Z/A	10	69220608	61613
7	1/4	7/8	8,500	Z/A	10	62217628	61605
9	1/8	7/8	6,600	Z/A	10	62218310	63254
	1/4	7/8	6,600	Z/A	10	62223628	61606

Cup wheels
Quick product selection guide

Product group selection

Application	Steel (STEEL)	Cast material (CAST)	Stone (STONE)
Surface grinding	SG STEEL SG CAST + STEEL	SG CAST + STEEL	SG STONE
Work on weld seams			
Chamfering			
Deburring			

Cup wheels for manual use

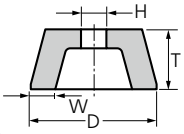


SG STEEL ★★★☆

Cup wheel for steel with high grinding performance and long service life. Designed for chamfering, deburring, surface grinding, and for work on weld seams.

Special features:
- Excellent grinding performance.
- Durable.

D [Inch]	Grit size	Thread	T [Inch]	W [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Conical cup wheel, ETT (type 11)									
4	16	5/8-11	2	1	9,500	A	2	69200468	61801
5	16	5/8-11	2	1-1/2	7,600	A	2	69200469	61802
6	16	5/8-11	1-1/2	1-1/2	6,300	A	2	69200470	61803

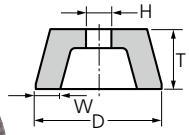


SG CAST + STEEL ★★★☆

Cup wheel for steel and cast iron with high grinding performance and long service life. Designed for chamfering, deburring, surface grinding, and for work on weld seams.

Special features:
- Excellent grinding performance.
- Durable.

D [Inch]	Grit size	Thread	T [Inch]	W [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Conical cup wheel, ETT (type 11)									
4	16	5/8-11	1	1	9,500	Z	2	69200480	61817
5	16	5/8-11	1-1/2	1-1/2	7,600	Z	2	69200481	61818
6	16	5/8-11	1-1/2	1-1/2	6,300	Z	2	69200482	61819



SG STONE ★★★☆

Cup wheel for concrete and stone with high grinding performance and long service life. Designed for surface grinding, chamfering and deburring.

Special features:
- Excellent grinding performance.
- Durable.

D [Inch]	Grit size	Thread	T [Inch]	W [Inch]	Max. RPM	Abrasive		Item no.	EDP no.
Conical cup wheel, ETT (type 11)									
4	16	5/8-11	2	1	9,500	C	2	69200471	61805
5	16	5/8-11	2	1-1/2	7,600	C	2	69200472	61806
6	16	5/8-11	1-1/2	1-1/2	6,300	C	2	69200473	61807

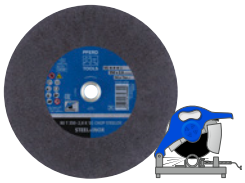
PFERD TOOLS

Cut-off wheels for stationary applications

Cut-off wheels for stationary applications
Table of contents

Cut-off wheels for stationary applications

- Highlights from the PFERD TOOLS range – custom-made products 414
- Highlights from the PFERD TOOLS range 415
- General information 415
- Safety notes 415
- Transport and storage 417
- Product lines and color coding 417
- Quick product selection guide 418
- Custom-made products 420



CHOPSAW cut-off wheels 12–16" dia.

- Universal Line PSF ★★☆☆ 422
- Performance Line SG ★★★☆ 423

CHOPSAW HD cut-off wheels 12–16" dia.

- Performance Line SG ★★★☆ 425

Rail cut-off wheels dia. 14" – 16"

- Universal Line PSF ★★☆☆ 426
- Performance Line SG ★★★☆ 426

HEAVY DUTY cut-off wheels 10–26" dia.

- Special Line SGP ★★★★ 427

Reducing rings for stationary cut-off wheels

- Reducing rings for stationary cut-off wheels 429

Cut-off wheels for stationary applications

Highlights from the PFERD TOOLS range – custom-made products

What is the best way to select a stationary cut-off wheel?

Our experienced technical advisers will start by analyzing your current set-up. They will visit you on site to see your machine, application and the wheel dimensions. PFERD TOOLS will determine the wheel thickness based on how thick the wheel needs to be for cutting. The drive output of the machine motor and the diameter of the clamping flange are also important for selecting the right stationary cut-off wheel. Based on this information and other data, we determine which customized solution PFERD TOOLS can produce for you.

What are the operating conditions and which cross sections need to be cut?

In addition to the information about the machine, it is essential to know the operating conditions for the cutting work. A distinction is made between cold (up to 212°F), warm (212 to 1,112°F) and hot cutting-off (1,112 to over 1,832°F), depending on the material temperature of the workpieces being cut. The main cutting applications are cross sections measuring 1 inch to 20 inches in a round design, and square designs from 2 inches to 10 inches (depending on the specific requirements and industry), as well as a range of profiles such as various rails. Based on the operating conditions and cross sections, you can determine which wheel diameter is required/recommended.

For medium-sized cut-off wheels the range is 400 – 600 mm (16" – 24", traditional applications in foundries, finishing processes and when cutting to size); for large cut-off wheels the range is 800 – 2,000 mm (32" – 80", applications in rolling mills and forging plants in the steel production industry).

What are the cut requirements?

A good result for cold cutting-off is that the cut surface is blank (no blue or brown discoloration) and that the cut itself is perpendicular. The heat ingress into the material should also be minimal to prevent hard spots at the ends of the cut, which could cause cracks in the steel. Ideally, the formation of burrs on the material should be minimized to negate the need for reworking. The blank cut does not play a role in warm and hot cutting-off – the aim here is to ensure a long service life, a perpendicular cut and a reliable process.

Customized solutions

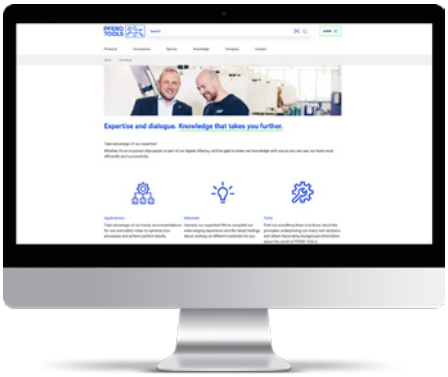
On request, we can produce stationary cut-off wheels in premium PFERD TOOLS quality up to 2,000 mm (80") diameter, tailor-made to meet the requirements of your special application. Please contact us for further information. Our experienced technical advisers will gladly assist you.

Scan the QR code to access the contact form.

Cut-off wheels for stationary applications
Highlights from the PFERD TOOLS range

Find additional in-depth information online

Scan the QR code to find out a wide range of tool and application knowledge relating to PFERD TOOLS' high-quality tools and their huge variety of materials.



General information

Advantages of stationary cut-off grinding

- Universal cutting process for all steels and castings, non-ferrous metal alloys, special alloys such as nickel and titanium-based alloys, as well as materials on which sawing and flame cutting are difficult or impossible.
- No post-processing is required due to smooth cutting surfaces and blank cuts in cold cutting-off.
- Short cutting times regardless of the material quality.
- Significantly lower burr formation with hot cutting-off than with hot sawing.
- Lower noise levels than with hot sawing.
  Example:
  Hot cutting-off: 85 to 95 dBA
  Hot sawing: 105 to 110 dBA
- Consistent cutting performance over the entire life of the cut-off wheel due to its continuous self-sharpening qualities.
- Enables cutting of already cooled rolled or forged parts in hot cut lines.

Applications

Cut-off grinding is one of the most powerful and cost-effective cutting processes and is used in the following areas:

- Rolling mills
- Foundries
- Mechanical engineering
- Steel construction
- Rail maintenance
- Forging plants and their finishing processes
- Laboratories

Safety notes

PFERD TOOLS is a founding member of oSa

Together with other renowned manufacturers, PFERD TOOLS voluntarily produces quality products conforming to the most exacting safety standards. Member companies of oSa (the Organization for the Safety of Abrasives) are committed to continuous product safety and quality monitoring. PFERD TOOLS products carry the oSa mark. Scan the QR code for further information.

Safety standard:

- PFERD TOOLS cut-off wheels conform to the highest safety requirements and are marked according to EN 12413 for grinding tools made of bonded abrasives.

Cut-off wheels for stationary applications
Safety notes

German Abrasives Association (VDS)

Please observe all relevant safety guidelines. Further information can be found at:
www.pferd.com

User information

Please observe the user information provided with all products on the safe use of stationary cut-off wheels as well as the user information for the grinding machine used.

FEPA

The FEPA safety recommendations can be downloaded at **www.pferd.com**.

Proper clamping of cut-off wheels

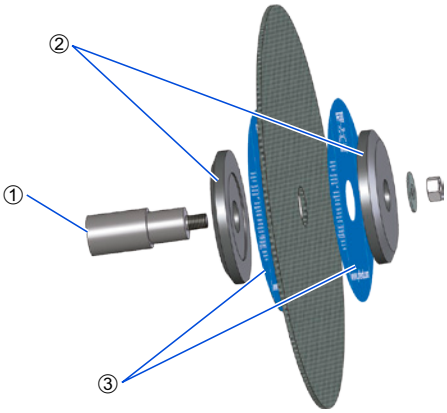
The correct clamping of the cut-off wheel is a prerequisite for optimum performance and is essential to ensure user safety. The adjacent illustration shows the right way to do it:

① Machine spindle with high concentricity.

② Equally sized flanges.

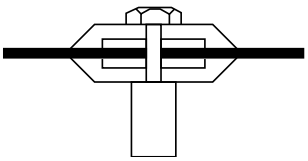
③ Intermediate paper layers (blotters), if required for secure clamping and safe use.

Our recommendations:
- After every second wheel change, change the intermediate paper layers (blotters).
- As from a wheel diameter > 16 inches, always use intermediate paper layers (blotters).

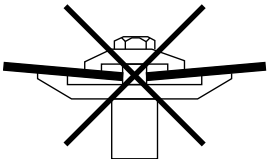


Safety notes

The safe use of PFERD TOOLS products depends largely on proper clamping systems. Both flanges between which a grinding tool is mounted must have the same outer diameter and same support area (according to EN 13218, ANSI B7.1).



Correct



Incorrect

Cut-off wheels for stationary applications
Transport and storage

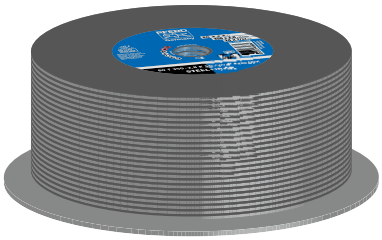
Transport and storage

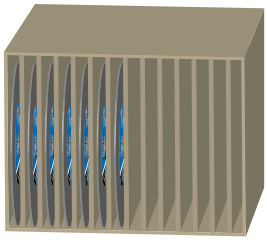
To avoid damage to the cut-off wheels through improper transport or adverse environmental influences during storage, e.g. UV radiation, temperature or humidity, please observe the following advice:

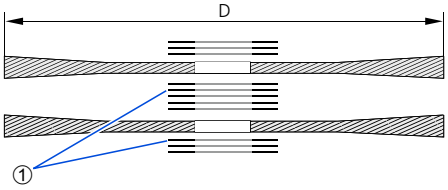
- As much as possible, transport and store cut-off wheels in their original packaging and lying on a flat surface, e.g. on a shelf or vertically in racks.
- Avoid bending the wheels.
- Ensure that the cut-off wheels are stored in dry, frost-free rooms with consistent temperatures.
- Use supplies in the order of their arrival.

Storage advice for conical wheels (CT):

Conical cut-off wheels must be stacked with intermediate paper layers (blotters), so that the tapered area is supported and bending of the cut-off wheels is avoided. PFERD TOOLS supplies conical cut-off wheels with intermediate paper layers (blotters) included.







① Intermediate paper layers

Recommendation

Room temperature: 65-72°F

Relative humidity: 45-65%

No direct sunlight

Product lines and color coding

PSF ★★☆☆

Universal Line PSF ★★☆☆

The introductory range Universal Line PSF features **quality products** designed for the **most common applications** and materials. Ideal for a wide range of end-users that require **strong performance.**

SG ★★★☆

Performance Line SG ★★★☆

The broad Performance Line SG range offers a **high-performance product solutions for a diverse range of applications and materials.** Ideal for demanding industrial applications and achieving **optimal results with maximum cost-effectiveness.**

SGP ★★★★

Special Line SGP ★★★★

Special Line SGP products are meticulously crafted for **specific tasks and applications**, providing users with **nuanced advantages over conventional products.** Known for exceptional performance in the most demanding applications.

Cut-off wheels for stationary applications
Quick product selection guide

PFERD TOOLS

Product labels

① oSa – Organization for the Safety of Abrasives
As a founding member of oSa, PFERD TOOLS voluntarily manufactures quality tools conforming to the strictest safety standards. Member companies of oSa are committed to continuous product safety and quality monitoring.

② Safety information
Handling grinding tools is dangerous. Observe all safety rules and regulations.

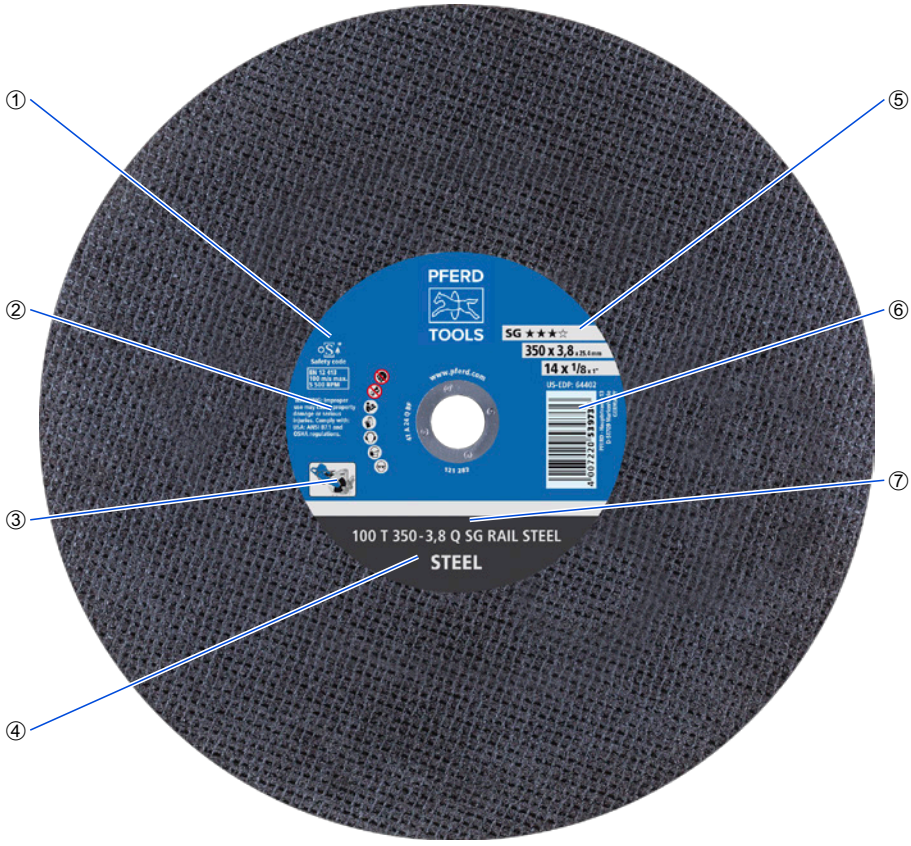
③ Recommended power tool
The pictogram shows on which power tool the product can be used.

④ Material information
The bottom section of every label indicates the material or materials for which the product is suitable.

⑤ Information bar
Here you will find the product line and the dimensions.

⑥ EAN (European Article Number)

⑦ Hardness grade
The hardness denotes the strength with which the abrasive grit is held by the bond within the grinding wheel. The hardness is indicated with a letter:
K, H = very soft / L, N = soft /
O, P, Q = medium-hard / R, S = hard / T = very hard

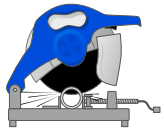
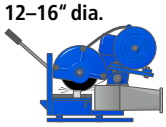
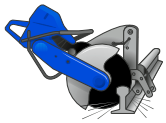
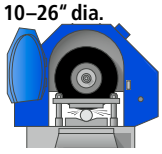
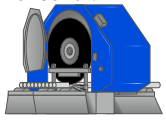


7

Cut-off wheels for stationary applications
Quick product selection guide

PFERD TOOLS

Product group selection

Tool drive	Application	Product line	Steel (STEEL)	Stainless steel (INOX)	Cast material (CAST)
CHOPSAW dia. 300–400 mm 12–16" dia. < 3 KW 	Cutting of solid material, profiles and pipes	**Universal Line PSF** ★★☆☆	PSF CHOP STEEL Hardness K PSF CHOP STEELOX Hardness K	PSF CHOP STEELOX Hardness K	
		Performance Line SG ★★★☆	SG CHOP STEEL Hardness K SG CHOP STEELOX Hardness K SG STUD STEELOX Hardness K	SG CHOP STEELOX Hardness K	
CHOPSAW HD dia. 300–400 mm 12–16" dia. 	Cutting of solid material, profiles and pipes	**Performance Line SG** ★★★☆	SG CHOP HD STEEL Hardness L + O		
RAIL dia. 300–400 mm 12–16" dia. 	Cutting of rails	**Universal Line PSF** ★★☆☆	PSF RAIL STEEL Hardness Q		
		Performance Line SG ★★★☆	SG RAIL STEEL Hardness Q		
HEAVY DUTY dia. 250–600 mm 10–26" dia. 	Cutting of solid material, profiles and pipes	**Special Line SGP** ★★★★	SGP HD STEEL Hardness N, Q + S ZIRKON SGP HD CAST + STEEL Hardness R		ZIRKON SGP HD CAST + STEEL Hardness R
Products made to order up to dia. 2,000 mm 10–80" dia. 	On request, we can produce stationary cut-off wheels in premium PFERD TOOLS quality up to a diameter of 2,000 mm (80"), tailor-made to meet the requirements of your special application. Please contact us for further information. Our experienced technical advisers will be pleased to assist you.				

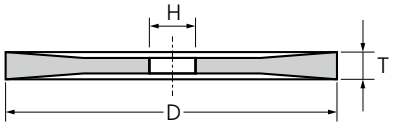
With middle reinforcement layer for aggressive cutting with minimized burr formation

With two outer reinforcement layers for high lateral stability

Cut-off wheels for stationary applications
Custom-made products

PFERD TOOLS

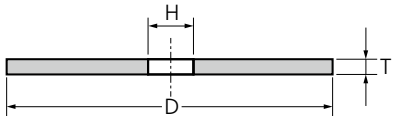
Dimensions and designs to meet customer requirements



CT – Conical type

Excellent for use in the steel industry.

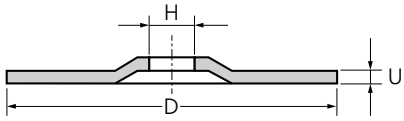
Advantages:
- Less lateral friction.
- Ideal for deep cuts and traverse cutting.



T – Flat type

Designed for use in steel and plant construction, in the steel industry and in foundries.

Advantages:
- Designed for universal use.



PT – Depressed-center type

Excellent designed for use in foundries.

Advantages:
- Clamping flange does not protrude beyond the cut-off wheel.
- Flush cutting of risers from castings is possible.
- In general, no post-processing required.

Outer dia. D [mm(inch)]	Centre hole diameter H [mm(inch)]
2,000 (80″)	80/100/127 (5″)/152.4 (6″)/ 200/203.3 (8″)/230/280
1,840 (73″)	80/100/127 (5″)/152.4 (6″)/ 200/203.3 (8″)/230/280
1,600 (63″)	80/100/127 (5″)/152.4 (6″)/ 200/203.3 (8″)/230/280
1,500 (60″)	80/100/127 (5″)/152.4 (6″)/ 200/203.3 (8″)/230/280
1,380 (55″)	80/100/127 (5″)/152.4 (6″)/ 200/203.3 (8″)/230/280
1,250 (50″)	80/100/127 (5″)/152.4 (6″)/ 200/203.3 (8″)/230/ 250/280
1,000 (40″)	80/100/127 (5″)/152.4 (6″)/ 200/203.3 (8″)/230
800 (32″)	80/100/127 (5″)/152.4 (6″)/ 200/203.3 (8″)/230

Outer dia. D [mm(inch)]	Centre hole diameter H [mm(inch)]
800 (32″)	80/100/127 (5″)/152.4 (6″)/ 200/203.3 (8″)/230
700 (28″)	80/100/127 (5″)/152.4 (6″)/ 200/203.3 (8″)/230
660 (26″)	25.4 (1″)/40/60/76.2 (3″)/ 80/100
600 (24″)	25.4 (1″)/40/60/76.2 (3″)/ 80/100
500 (20″)	25.4 (1″)/40/60/76.2 (3″)/ 80/100
450 (18″)	25.4 (1″)/32 (1-1/4″)/40/60/80
400 (16″)	25.4 (1″)/32 (1-1/4″)/40/60/80
350 (14″)	25.4 (1″)/32 (1-1/4″)/40
300 (12″)	25.4 (1″)/32 (1-1/4″)/40
250 (10″)	25.4 (1″)/30/32 (1-1/4″)

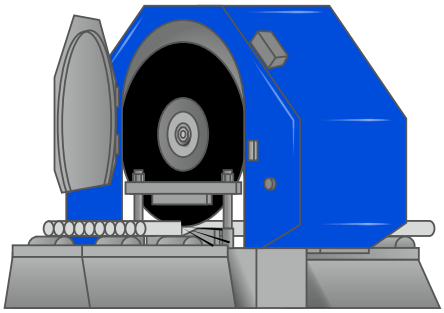
Outer dia. D [mm(inch)]	Centre hole diameter H [mm(inch)]
800 (32″)	80/100
700 (28″)	80/100
600 (24″)	60/76.2 (3″)/80/100
500 (20″)	40/60/76.2 (3″)/80/100
400 (16″)	40/60/80

Other designs and center hole diameters are available on request. Please contact us for further information.

Cut-off wheels for stationary applications
Custom-made products

PFERD TOOLS

METALCORE cut-off wheel



METALCORE type

The PFERD TOOLS developed steel-core cut-off wheel is characterized by its solid steel body constructed in layers which do not contain any abrasive material.

The product structure has the following advantages:

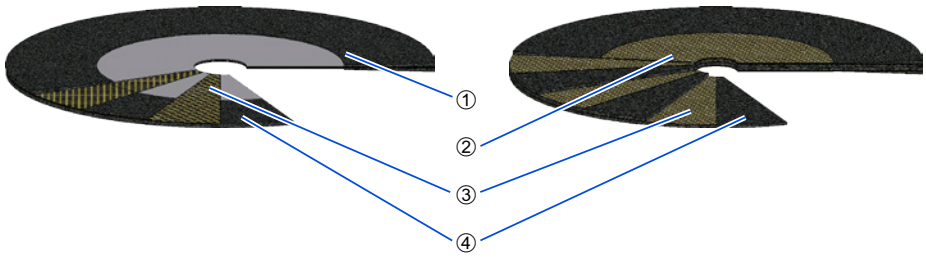
- Reduced cutting costs due to the use of smaller clamping flanges.
- Longer service life.
- Reduced cut-off wheel width for chop stroke cut due to increased lateral stability.
- No cost for the disposal of the old wheel.

Conventional type

For stationary cut-off grinding, resinoid-bonded, fibre-reinforced cut-off wheels are used, which are composed of four components: abrasive, bond, fabric layers/flange reinforcement and active grinding fillers.

Structure of cut-off wheels

① Steel core
② Flange reinforcement
③ Reinforcement layers
④ Bonded abrasives

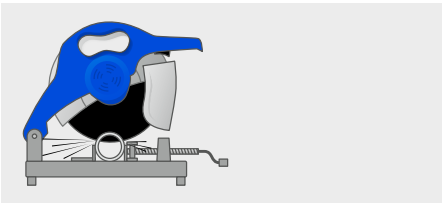


7

CHOPSAW cut-off wheels 12–16" dia.
Universal Line PSF ★★☆☆

PSF CHOP STEEL ★★☆☆

General purpose K hardness wheel for steel that has a middle reinforcement layer. Aggressive free cutting with minimal burr formation. Designed for cutting solid material, profiles and pipes. Compatible with: CHOPSAW up to 5 horsepower.



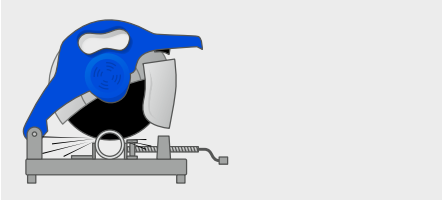
- Fast work progress thanks to excellent cutting performance.
- Minimal burr formation during cutting due to reduced lateral friction.

Special features:
- High economic efficiency due to long service life.

Maximum operating speed	D [Inch]	T [Inch]	H [Inch]	Hardness grade	Max. RPM	Abrasive		Item no.	EDP no.
Flat design T (type 41)									
80	12	7/64	1	K (very soft)	5,100	A	20	66323074	64491
	14	7/64	1	K (very soft)	4,400	A	10	66323574	64492
	16	1/8	1	K (very soft)	3,800	A	10	66324095	64493

PSF CHOP STEELOX ★★☆☆

K hardness wheel for steel and stainless steel (INOX), which cuts very easily and has a middle reinforcement layer. For aggressive cutting with minimal burr formation. Designed for cutting solid material, profiles and pipes. Compatible with: CHOPSAW up to 5 horsepower.



- Fast work progress due to high cutting performance.
- Minimal burr formation during cutting due to reduced lateral friction.

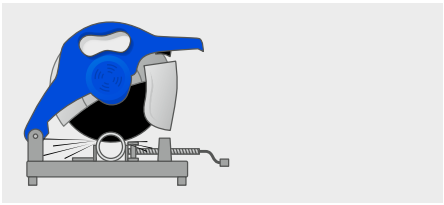
Special features:
- High economic efficiency due to long service life.

Maximum operating speed	D [Inch]	T [Inch]	H [Inch]	Hardness grade	Max. RPM	Abrasive		Item no.	EDP no.
Flat design T (type 41)									
80	12	7/64	1	K (very soft)	5,100	A	20	66323075	64497
	14	7/64	1	K (very soft)	4,400	A	10	66323575	64498
	16	1/8	1	K (very soft)	3,800	A	10	66324096	64499

CHOPSAW cut-off wheels 12–16" dia.
Performance Line SG ★★★☆

SG CHOP STEEL ★★★☆

General purpose K hardness wheel for steel that has a middle reinforcement layer. Aggressive free cutting with minimal burr formation. Designed for cutting solid material, profiles and pipes. Compatible with: CHOPSAW up to 5 horsepower.



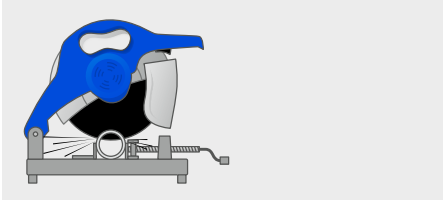
- Reduced labor time due to very high cutting performance.
- Minimal burr formation during cutting due to reduced lateral friction.

Special features:
- Maximum economic efficiency due to very long service life.

Maximum operating speed	D [Inch]	T [Inch]	H [Inch]	Hardness grade	Max. RPM	Abrasive		Item no.	EDP no.
Flat design T (type 41)									
80	12	7/64	1	K (very soft)	5,100	A	20	66323070	64501
	14	7/64	1	K (very soft)	4,400	A	10	66323570	64502
	16	1/8	1	K (very soft)	3,800	A	10	66324093	64503

SG CHOP STEELOX ★★★☆

K hardness wheel for steel and stainless steel (INOX), which cuts very easily and has a middle reinforcement layer. For aggressive cutting with minimal burr formation. Designed for cutting solid material, profiles and pipes. Compatible with: CHOPSAW up to 5 horsepower.



- Reduced labor time due to very high cutting performance.
- Minimal burr formation during cutting due to reduced lateral friction.

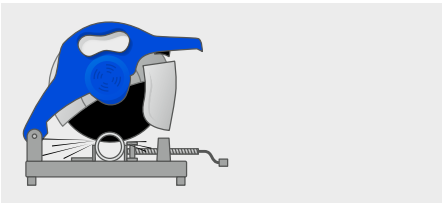
Special features:
- Maximum economic efficiency due to very long service life.

Maximum operating speed	D [Inch]	T [Inch]	H [Inch]	Hardness grade	Max. RPM	Abrasive		Item no.	EDP no.
Flat design T (type 41)									
80	12	7/64	1	K (very soft)	5,100	A	20	66323052	64510
	14	7/64	1	K (very soft)	4,400	A	10	66323572	64508
	16	7/64	1	K (very soft)	3,800	A	10	66324091	64509

CHOPSAW cut-off wheels 12–16" dia.
Performance Line SG ★★★☆

SG STUD STEEL ★★★☆

K hardness wheel with good cutting characteristics for steel; has two outer reinforcement layers. For cutting work that requires high stability. Designed for cutting solid material, profiles and pipes. Compatible with: CHOPSAW HD.



- Maximum economic efficiency due to very long service life.
- Designed for cutting bundled or stacked drywall profiles and other thin steel profiles.

Special features:
- High panel stability thanks to reinforcing outer fabric.

Maximum operating speed	D [Inch]	T [Inch]	H [Inch]	Hardness grade	Max. RPM	Abrasive		Item no.	EDP no.
Flat design T (type 41)									
80	12	7/64	1	K (very soft)	5,100	A	20	*69620714*	64504
	14	7/64	1	K (very soft)	4,400	A	10	69620715	64505

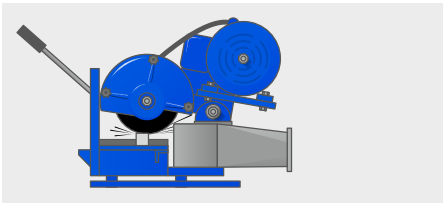
Discontinued product

CHOPSAW HD cut-off wheels 12–16" dia.

Performance Line SG ★★★☆

SG CHOP HD STEEL ★★★☆

Heavy duty L hardness wheel for steel that has two outer reinforcement layers. For cutting work that requires high stability. Designed for cutting solid material, profiles and pipes. Compatible with: CHOPSAW HD.



- Maximum economic efficiency due to very long service life.
- For demanding cutting work.

Special features:

- High panel stability thanks to reinforcing outer fabric.

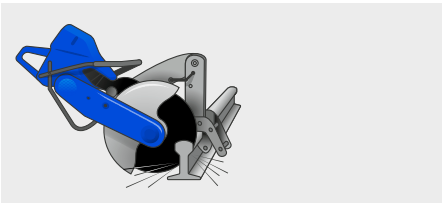
Maximum operating speed	D [Inch]	T [Inch]	H [Inch]	Hardness grade	Max. RPM	Abrasive		Item no.	EDP no.
Flat design T (type 41)									
80	12	7/64	1	L (soft)	5,100	A	20	66323080	64530
	14	7/64	1	L (soft)	4,400	A	10	66323580	64531
	16	1/8	1	L (soft)	3,800	A	10	66324080	64532

Rail cut-off wheels dia. 14" – 16"

Universal Line PSF ★★☆☆

PSF RAIL STEEL ★★☆☆

Q hardness wheel for fast and cost-effective rail cutting. Compatible with: RAIL cutting machine.



- High economic efficiency due to optimal durability.

Special features:

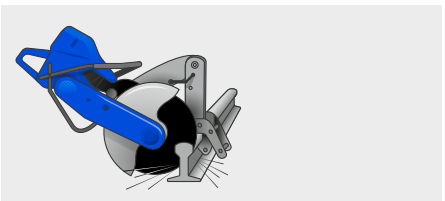
- Fast working progress due to aggressive abrasive.
- Safe cutting work due to the highest possible cutting quality.

Maximum operating speed	D [Inch]	T [Inch]	H [Inch]	Hardness grade	Max. RPM	Abrasive		Item no.	EDP no.
Flat design T (type 41)									
100	14	5/32	7/8	Q (medium-hard)	5,500	A	10	*73001322*	-
			1	Q (medium-hard)	5,500	A	10	73001230	64405
	16	5/32	1	Q (medium-hard)	4,800	A	10	*73001310*	-

Performance Line SG ★★★☆

SG RAIL STEEL ★★★☆

Q hardness wheel for fast and cost-effective rail cutting. Compatible with: RAIL cutting machine.



- High economic efficiency due to optimal durability.

Special features:

- Reduced labor time due to aggressive abrasive.
- Safe cutting work due to the highest possible cutting quality.

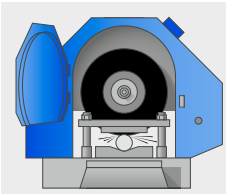
Maximum operating speed	D [Inch]	T [Inch]	H [Inch]	Hardness grade	Max. RPM	Abrasive		Item no.	EDP no.
Flat design T (type 41)									
100	12	1/8	1	Q (medium-hard)	6,400	A	20	66323163	64401
	14	1/8	20 mm	Q (medium-hard)	5,500	A	10	69901529	64396
			1	Q (medium-hard)	5,500	A	10	66323663	64402
	16	1/8	1	Q (medium-hard)	4,800	A	10	66324163	64403

Discontinued product

HEAVY DUTY cut-off wheels 10–26" dia.
Special Line SGP ★★★★

SGP HD STEEL ★★★★

For the most demanding cutting work on steel. Ideal for finishing work and cutting solid material, profiles, pipes and large cross-sections. Compatible tool drives: HEAVY DUTY cutting machine.



- Fast work due to excellent cutting characteristics.

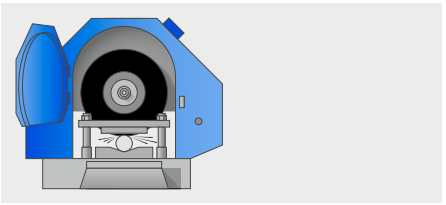
Special features:
- Ultimate economic efficiency due to optimum durability.

Maximum operating speed	D [Inch]	T [Inch]	H [Inch]	Hardness grade	Max. RPM	Abrasive		Item no.	EDP no.
Flat design T (type 41)									
80	10	3/32	5/8	S (hard)	6,100	A	20	69620727	66113
			1	S (hard)	6,100	A	20	69620726	66114
	12	1/8	1	Q (medium-hard)	5,100	A	20	66323025	66115
	14	1/8	1	Q (medium-hard)	4,400	A	10	66323525	66116
	16	1/8	1-37/64	Q (medium-hard)	3,800	A	10	66324040	-
			1	Q (medium-hard)	3,800	A	10	69620558	66117
	20	3/16	1	N (soft)	3,800	A	5	69721000	66005
				Q (medium-hard)	3,100	A	5	69720781	66123
	26	1/4	1	N (soft)	2,300	A	5	69721003	66132
100	10	1/8	5/8	Q (medium-hard)	7,600	A	20	69620446	66009
	12	1/8	1	Q (medium-hard)	6,400	A	20	66323125	66011
	14	1/8	1	Q (medium-hard)	5,500	A	10	66323625	66012
	16	3/16	1	S (hard)	4,800	A	10	69620325	66013
	18	3/16	1	N (soft)	4,200	A	5	69620495	66016
	20	1/4	1	N (soft)	3,800	A	5	69720131	66019
	24	1/4	1	N (soft)	3,200	A	5	69720855	66022

HEAVY DUTY cut-off wheels 10–26" dia.
Special Line SGP ★★★★

ZIRKON SGP HD CAST+STEEL ★★★★

For the most demanding cutting work on cast iron and steel. Suitable for cutting risers, sprues, solid material, profiles, pipes and large cross-sections. Developed for use in foundries. Compatible with: HEAVY DUTY cutting machine.



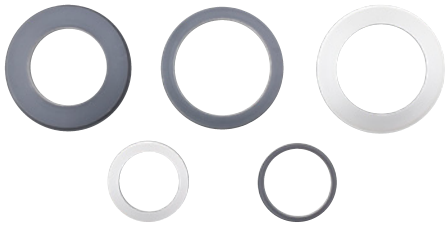
- Fast work due to excellent cutting characteristics.
- Products made to order available on request.

Special features:
- Ultimate economic efficiency due to optimum durability.

Maximum operating speed	D [Inch]	T [Inch]	H [Inch]	Hardness grade	Max. RPM	Abrasive		Item no.	EDP no.
Flat design T (type 41)									
100	20	3/16	1	R (hard)	3,800	Z/A	5	69720830	66045
	24	1/4	2-3/8	R (hard)	3,200	Z/A	5	66397196	66050

Reducing rings for stationary cut-off wheels

Reducing rings for stationary cut-off wheels



Reducing rings for stationary cut-off wheels

PFERD TOOLS bench grinder bushings provide a safe method of reducing the wheel arbor to accommodate various spindle sizes. The bushing should be flush on both sides of the wheel, and should not interfere with the flanges.

Special features:

- Flexible adjustment to the prerequisites of the drive system.
- Stop collar, to prevent the ring from pushing through the center hole of the cut-off wheel.

External diameter [Inch]	Inner diameter [Inch]	Width [Inch]		Item no.	EDP no.
1-1/2	1-3/16	3/16	5	69900007	69001
2-3/8	1	1/4	1	79168621	69020
	1-1/4	1/4	1	69901521	69021
	1-1/2	1/4	1	69901522	69022
	1-3/4	1/4	1	69901523	69023
1-1/2	1-1/4	3/16	5	69900006	69007
1-1/8	1	1/8	100	69900015	69008
1	7/8	1/8	1	69901392	69003
	20	1/8	1	69901393	69004
	5/8	1/8	1	69901394	69005
7/8	5/8	5/64	100	69900021	69006

PFERD TOOLS

Industrial power brushes

Industrial power brushes
Table of contents

PFERD TOOLS

Industrial power brushes

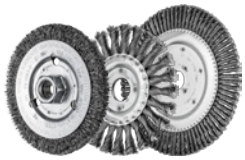
- Highlights from the PFERD TOOLS range 433
- Filament materials and their application 434
- Quick product selection guide 436
- Safety notes 439
- Peripheral speeds 440
- Well packaged and presented 441

Threaded cup brushes

- Crimped 442
- Knotted 443

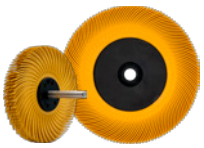
Threaded bevel brushes

- Crimped 448
- Knotted 449



Wheel brushes

- Crimped 450
- Knotted 451
- Pipeline 454
- Knot wheels, stationary 458
- Crimped, single rings 459
- Crimped, unthreaded 460



Abrasive bristle brushes

- With arbor hole 465

Composite brushes

- Wheel brushes, crimped 467
- Composite disc brushes, crimped 469
- Shank-mounted end brushes, crimped 472

Shank-mounted end brushes

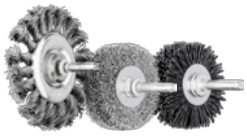
- Crimped 473
- Knotted 477

Shank-mounted cup brushes

- Crimped 480

Shank-mounted bevel brushes

- Crimped 481

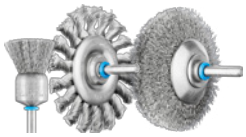


Shank-mounted wheel brushes

- Crimped 483
- Knotted 484

Drum brushes

- Crimped 485

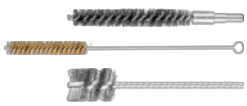


INOX-TOTAL

- Wheel brushes 486
- Shank-mounted wheel brushes 487
- Shank-mounted bevel brushes 488

Miniature brushes

- End brushes, crimped 489
- Cup brushes, crimped 490
- Wheel brushes, crimped 491
- Miniature Brush Set - 15 Pieces 492



Tube brushes

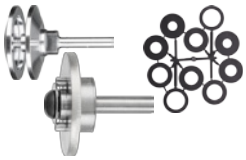
- Tube brushes 493
- Fitting brushes 498

8

Industrial power brushes
Table of contents

Universal brushes

- Threaded cup brushes, crimped 500
- Threaded cup brushes, knotted 500
- Wheel brushes, crimped for angle grinders 501
- Wheel brushes, knotted 501
- Wheel brushes, pipeline 502
- Wheel brushes, crimped 502
- Shank-mounted end brushes, crimped 503
- Shank-mounted universal end brushes, knotted 504
- Shank-mounted universal cup brushes, crimped 504
- Shank-mounted universal wheel brushes, crimped 505
- Shank-mounted universal wheel brushes, knotted 505
- Universal scratch brushes, curved 506



Accessories

- Arbor 507
- Adapter 508
- Thread adapters 511

Scratch brushes

- Scratch brushes 512
- Platers brushes 517
- Block brushes 518

Maintenance brushes

- Chip brushes 520
- Floor sweeps 522
- Upright and whisk brooms 529
- Squeegees 530
- Handles and accessories 531
- Dust pans 533
- Utility brushes 533
- Internal cleaning brushes 536
- Parts cleaning brushes 538
- Paint brushes 539
- Miscellaneous painters brushes 541
- Paint rollers and frames 542
- Paint trays 544

8

Industrial power brushes
Highlights from the PFERD TOOLS range

Composite brushes for stationary applications

PFERD TOOLS offers a comprehensive range of high-quality industrial power brushes, specially designed for stationary applications on robots and CNC machines. Composite brushes from PFERD TOOLS are specifically developed for industrial, automated use. They feature an extremely high filament density and even distribution of the filament material when compared to conventional metal-constructed brushes. This guarantees a long service life and extremely smooth running. All of PFERD TOOLS' industrial power brushes can also be used on robots.

Industrial power brushes in stationary applications are most commonly used for deburring and rounding edges, processing holes and female threads, surface work and cleaning.

Scan the QR code to find out more about composite brushes for stationary applications.

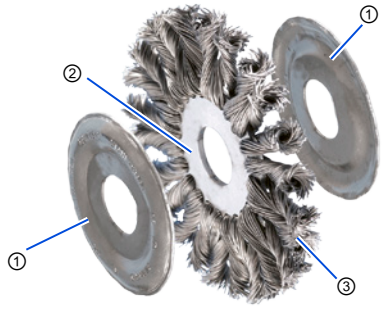
Advantages:
- Long tool life and aggressive brushing action due to the high filament density.
- High flexibility due to their ability to adapt to contours. Robots that are used with industrial power brushes are easier to program and can often be used without compliance.
- Very reliable process with extremely smooth operation due to even distribution of the filament material.

INOX-TOTAL

For extremely difficult operating conditions, PFERD TOOLS offers a range of "INOX-TOTAL" (IT) brushes. All parts of these brushes are made of grade 302 stainless steel, which ensures optimum corrosion protection.

Structure of a wheel brush with arbor hole INOX-TOTAL:
① Stainless steel (INOX) side plates
② Stainless steel (INOX) center ring
③ Stainless steel (INOX) filament

Scan the QR code to learn more about INOX-TOTAL brushes. Another highlight of the INOX-TOTAL line from PFERD TOOLS is the brushes with plastic fillers and plastic side plates. The plastic side plate prevents damage and contamination upon contact with the workpiece.

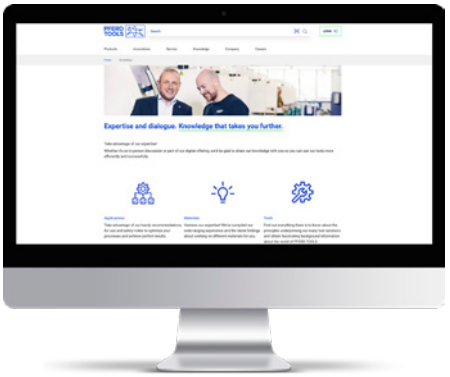


Advantages:
- Maximum protection against corrosion as all components are produced from stainless steel (INOX) of quality 1.4310/1.4301 (V2A).

Industrial power brushes
Highlights from the PFERD TOOLS range

Find additional in-depth information online

Scan the QR code to find out a wide range of tool and application knowledge relating to PFERD TOOLS' high-quality tools and their huge variety of materials.



Filament materials and their application

Selecting the filament material

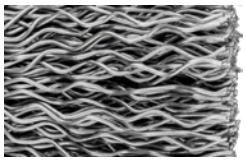
Filament material	Workpiece materials						
	Steel	Stainless steel (INOX)	Non-ferrous metals			Cast iron	Plastics
			Aluminum	Soft non-ferrous metals Brass, copper, zinc	Hard non-ferrous metals Titanium, bronze, nickel-based and cobalt-based alloys		
Steel wire (ST)	●	-	-	-	-	●	○
Stainless steel wire (INOX)	○	●	●	○	○	-	-
Stainless steel wire (INOX) Diamond (DIA)	○	-	-	-	●	●	●
Brass wire (MES)	-	-	-	●	-	-	-
Silicon carbide (SiC)	●	●	●	-	○	●	●
Aluminium oxide (AO)	○	○	●	-	-	○	○
Ceramic oxide grain (CO)	●	●	○	-	●	●	-
Diamond (DIA)	○	-	-	-	●	●	●
Nylon	-	-	○	○	-	-	●
Natural bristle (with polishing paste)	●	●	●	●	●	●	●

● = highly recommended ○ = recommended - = not recommended

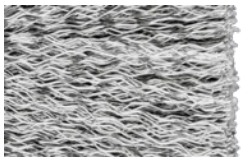
Industrial power brushes
Filament materials and their application

PFERD TOOLS

Wire filament
- Crimped brushes: For work requiring high flexibility, such as brushing of highly contoured workpieces.
- Brushes with stranded wire (corrugated, twisted wire): For demanding applications that require both aggressive and flexible use, e.g., for complex geometries and hard-to-reach areas.
- Knot brushes: For work that requires aggressive brushing behavior, such as work on weld seams.

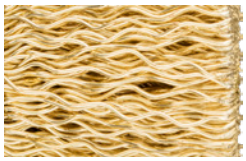


Steel wire (ST)
Advantages/properties:
- Proprietary PFERD TOOLS wire with high tensile strength and bending fatigue strength.
- Ensures long service life, excellent abrasion, and wear-resistance.
- Temperature resistance: up to 600°F



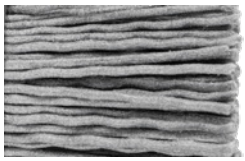
Stainless steel wire (INOX)
Advantages/properties:
- Corrosion-resistant; wire grade 302/304 stainless steel.
- Used with low rotational speeds, compared to steel wire.
- PFERD TOOLS brushes with INOX filament are usually degreased.
- Temperature resistance: up to 850°F

Stainless steel wire (INOX) diamond (DIA)
Advantages/properties:
- Ideal for aggressive surface conditioning applications.
- Primarily used on materials with high material strength.
- Temperature resistance: up to 850°F



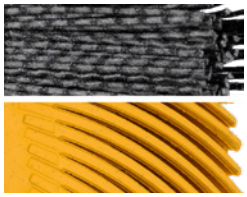
Brass wire (MES)
Advantages/properties:
- Brass wire is softer than steel wire; wire quality CuZn37.
- It is non-sparking and produces fine surface finishes.
- Temperature resistance: up to 350°F

Plastic filament
- Abrasive grains are embedded in flexible plastic filaments, which means that the filament works on the sides as well as at the tip.
- Round filament: for applications that place particular demands on the flexibility of the brush.
- Rectangular filament: for applications that place particular demands on the aggressiveness of the brush.
- Recommendation for use: Use coolant for applications where large amounts of heat are produced.



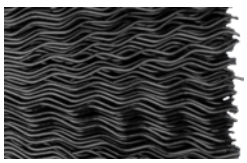
Silicon carbide (SiC)
Advantages/properties:
- Ideal for deburring work and for improving surfaces.
- Temperature resistance: up to 410°F

Aluminum oxide (AO)
Advantages/properties:
- Less sharp-edged and aggressive compared with SiC.
- Primarily designed for polishing and smoothing finishes on soft metals.
- Temperature resistance: up to 410°F



Ceramic oxide grain (CO)
Advantages/properties:
- Offers good toughness and excellent sharpness.
- For high stock removal and aggressive brushing.
- Temperature resistance: up to 410°F

Diamond (DIA)
Advantages/properties:
- Ideal for aggressive surface conditioning applications.
- Primarily used on materials with high material strength.
- Temperature resistance: up to 410°F



Nylon
Advantages/properties:
- Ideal for materials that would otherwise be scratched or damaged, e.g. soft plastics.
- Temperature resistance: up to 410°F

Natural bristles
- Excellent for light cleaning and dust removal, as well as for polishing (in combination with polishing pastes).

Tampico
Advantages/properties:
- Very good durability with excellent liquid retention in maintenance applications.
- Temperature resistance: up to 300°F

8

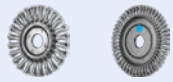
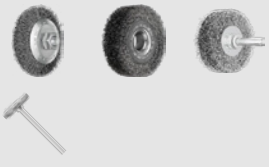
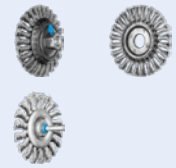
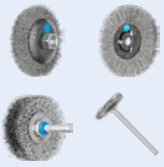
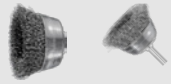
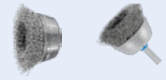
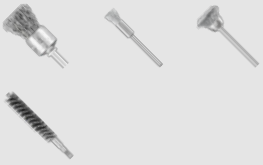
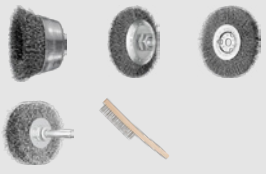
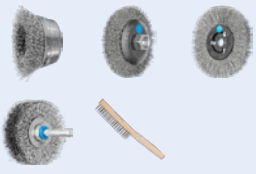
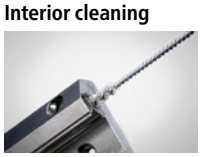
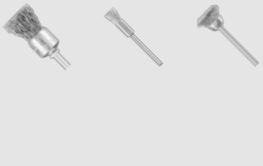
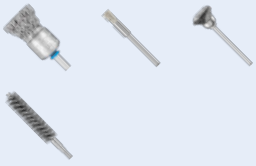
Goat hair
Advantages/properties:
- Goat hair is more flexible and softer than bristle.
- Temperature resistance: up to 300°F

Quick product selection guide

① **Select the filament material.** The material that you are working with is key to determining the optimum filament material.
② **Select the filament type.** The brushing effect you want determines which filament type to choose.
③ **Select the brush.** The application and geometry of the workpiece indicate the optimum brush.

Industrial power brushes
Quick product selection guide

PFERD TOOLS

Workpiece materials	Steel, cast iron, plastics			Stainless steel (INOX), aluminum, other non-ferrous metals	
Filament material	Steel wire (ST) Color code: grey			Stainless steel wire (INOX) Color code: blue	
Filament construction	knotted	crimped	ECAP® encapsulated	knotted	crimped
Desired effect	Aggressive brushing effect, less flexible	Light brushing effect, flexible	Very aggressive brushing effect, not flexible	Aggressive brushing effect, less flexible	Light brushing effect, flexible
Weld seam					
Structuring surfaces					
Edge deburring					
Surface deburring					
Interior deburring					
Surface cleaning					
Interior cleaning 					

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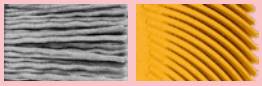
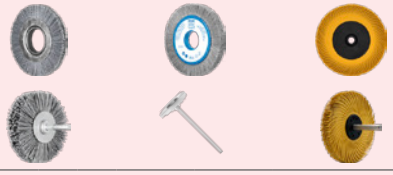
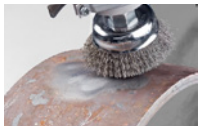
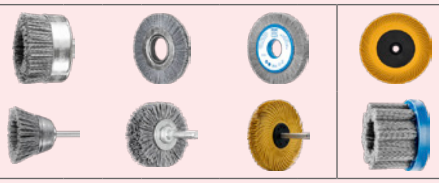
Industrial power brushes
Quick product selection guide

PFERD TOOLS

Workpiece materials	Brass, copper, other non-ferrous metals	Steel, stainless steel (INOX), aluminum, non-ferrous metals, titanium, cast, plastics, wood	Steel, stainless steel (INOX), non-ferrous metals, cast iron
Filament material	Brass wire (MES) Color code: yellow	MBRAD® abrasive filament (SiC, CO, nylon) Color code: red	Natural materials Color code: brown
Filament construction	 crimped	 crimped	 crimped
Desired effect	Light brushing effect, flexible	Grinding brushing effect, very flexible	Light brushing effect (use with polishing pastes)
Weld seam 			
Structuring surfaces 			
Edge deburring 			
Surface deburring 			
Interior deburring 			
Surface cleaning 			
Interior cleaning 			
Polishing 			

Industrial power brushes
Safety notes

Safety notes:

As one of the leading manufacturers of brushes, PFERD TOOLS fulfils the requirements of European standard EN 1083 as well as US ANSI standards. Guidelines on the safe and economic use of PFERD TOOLS brushes are supplied with every box. This addition helps to increase your level of personal work safety.

Wear eye protection!

Wear hearing protection!

Wear dust respirators!

Wear gloves!

Observe the safety notes!

Use a protective machine guard!

Maximum permitted rotational speed

In order to guarantee operating safety, the maximum permitted rotational speed indicated on the brush, label and in this catalog must never be exceeded! Please refer to our product information and product tables for further recommendations regarding optimum operating speeds. These give details of the recommended rotational speeds [RPM] for an optimum working result.

Brush diameter

In the case of hand-held tool drives, the brush diameter should never exceed 7", regardless of the filament material.

Wheel diameter [Inches]	Minimum arbor hole [Inches]	Maximum face width [Inches]
2	1/4	3/4
3	1/4	3/4
4	3/8	1
6	1/2	1-1/4
8	5/8	1-1/4
10	3/4	2
12	1	3
14	1-1/4	3
15	2	3
16	2	3

ANSI standard B165.1 arbor holes

ANSI standard B165.1-2013 dictates maximum face widths and minimum arbor hole sizes allowable. All brushes listed in this catalog conform to all ANSI standards. The maximum face width listed in this table refers to shafts that are supported by one end only, such as angle and bench grinders. It does not apply to shafts that are supported by bearings at both ends.

Industrial power brushes
Peripheral speeds

PFERD TOOLS

Determining the recommended rotational speed

① Select the brush type.
② Read recommended surface speed.
③ Determine the speed using the brush diameter and surface speed.

The recommended surface speed ranges [SFPM] depend on the application and are less than the maximum permitted surface speed.

① Brush type	② Surface speed
End brushes	2,500 – 4,000 SFPM
Cup brushes	8,000 – 10,000 SFPM
Shank-mounted wheel brushes	8,000 – 9,500 SFPM
Wheel brushes / bevel cup brushes	See diagram below

② Recommended surface speeds for wheel/bevel brushes with arbor hole/ threaded.
The color bars correspond to the filament material color codes.

[SFPM] / Application	1,250	2,000	2,750	3,500	4,250	5,000	5,750	6,500	7,250	8,000	8,750	9,500
Burr removal Edge blending				3,500–7,250 SFPM								
		2,000–5,750 SFPM										
		2,000–5,750 SFPM										
	1,250–5,400 SFPM											
Scale removal						5,000–9,500 SFPM						
					3,500–7,250 SFPM							
Surface conditioning	1,250–4,250 SFPM											
	1,250–3,500 SFPM											
	1,250–3,500 SFPM											
		2,000–5,750 SFPM										
Weld cleaning						5,000–9,500 SFPM						
					3,500–7,250 SFPM							

③ Recommended rotational speeds [RPM]
Example:
Crimped wire wheel
Deburring
Brush diameter D: 6″
Peripheral speed: 5,400 SFPM
Rotational speed: 3,450 RPM

n [RPM]	Brush dia. D [Inches]									
	2	3	4	5	6	8	10	12	14	15
800	400	600	800	1,000	1,250	1,650	2,050	2,500	2,900	3,100
1,150	600	900	1,200	1,500	1,800	2,400	3,000	3,600	4,200	4,500
1,200	600	900	1,250	1,550	1,850	2,500	3,100	3,750	4,350	4,700
1,750	900	1,350	1,800	2,250	2,700	3,650	4,550	5,450	6,400	6,850
2,000	1,000	1,550	2,050	2,600	3,100	4,150	5,200	6,250	7,300	7,850
2,400	1,250	1,850	2,500	3,100	3,750	5,000	6,250	7,500	8,750	9,400
3,000	1,550	2,350	3,100	3,900	4,700	6,250	7,850	9,400	10,950	11,750
3,450	1,800	2,700	3,600	4,500	5,400	7,200	9,000	10,800	12,600	13,500
3,750	1,950	2,900	3,900	4,900	5,850	7,850	9,800	11,750		
4,000	2,050	3,100	4,150	5,200	6,250	8,350	10,450	12,550		
4,500	2,350	3,500	4,700	5,850	7,050	9,400	11,750	14,100		
5,000	2,600	3,900	5,200	6,500	7,850	10,450	13,050			
5,400	2,800	4,200	5,650	7,050	8,450	11,300				
6,000	3,100	4,700	6,250	7,850	9,400					
8,500	4,400	6,650	8,850	11,100						
9,000	4,700	7,050	9,400	11,750						
10,000	5,200	7,850	10,450	13,050						
12,000	6,250	9,400	12,550	15,700						
15,000	7,850	11,750	15,700	19,600						
18,000	9,400	14,100	18,800	SFPM (v) =	dia. (D) x π x RPM (n)					
20,000	10,450	15,700	16,400		12					

Industrial power brushes
Well packaged and presented

Industrial packaging

PFERD TOOLS provides industrial power brushes in industrial packaging (IP) as standard.

Advantages:
- Robust, damage-resistant packaging.

Retail point-of-sale packaging

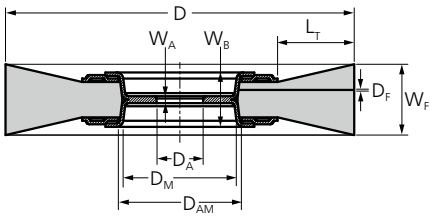
PFERD TOOLS provides wheel, cup, end and bevel brushes in promotional individual packaging. Individually packed shank brushes come in practical packages.

Advantages:
- Product can easily be hung up on a sales wall.
- Packaging design allows product to be easily recognized.

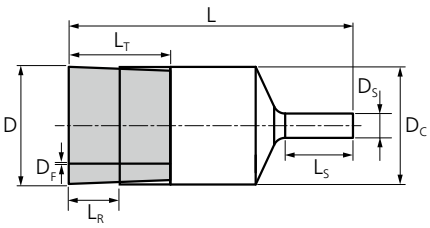
IP

POS

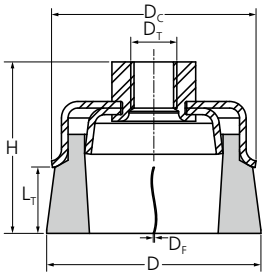
Dimensions



Wheel brushes



End brushes



Cup brushes

Explanation of dimensions

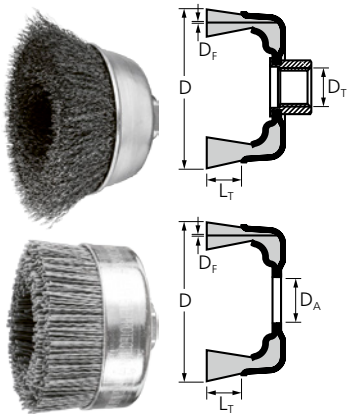
D	Nominal outer diameter/width of the brush; the working surface for end brushes
D_A	Hole diameter
D_{AM}	Max. brush arbor hole diameter without adapters
D_C	Cup diameter, for stem-mounted and end brushes
D_F	Nominal diameter/thickness of the filament material
D_M	Diameter in hole area
D_S	Shank diameter in shank-mounted brushes; shaft diameter for drum brushes; stem diameter (core) for pipe brushes
D_T	Thread size
H	Nominal total height (incl. components for arbor hole or thread as well as shank)
L	Nominal total length for tube brushes; block length for maintenance brushes
L_R	Total exposed length of the filament material (free length without bridle)
L_S	Usable length for shank or stem, total length of the mounting shaft, usable thread length
L_T	Trim length of the filament material, including bridled filament
W_A	Width of the main body at the arbor hole / thread
W_B	Installation width, widest point of the main body
W_F	Face width, nominal dimensions of the working contact width

Threaded cup brushes
Dimensions

Custom-made products

If you cannot find the solution for your particular application in our extensive catalog range, we can produce brushes in premium PFERD TOOLS quality specifically for your application on request. Products that can be made to order include different wire thicknesses and qualities, arbor holes or threads, and additional dimensions.

Crimped



TBU, industrial use

Ideally suited for medium-duty brushing tasks such as deburring, cleaning, and derusting on large surfaces. Features PFERD TOOLS special wire, distinguished by its high fatigue strength.

Special features:
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Creates fine surfaces.

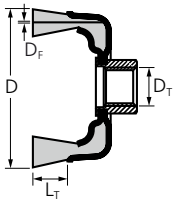
D [Inch]	L_T [Inch]	D_A / D_T [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
2-3/4	7/8	5/8-11	-	.014	7,000 – 14,000	14,000	5	79184912	82243P
								79182243	82243
		M10x1.25	-	.014	7,000 – 14,000	14,000	5	79184914	82247P
		M10x1.50	-	.014	7,000 – 14,000	14,000	5	*79184915*	82246P
3-1/2	7/8	5/8-11	-	.014	6,000 – 12,500	12,500	1	79182249	82249
				.020	6,000 – 12,500	12,500	1	79182255	82255
4	1-1/4	5/8-11	-	.014	4,500 – 9,000	9,000	2	79184742	82510P
				.020	4,500 – 9,000	9,000	2	79152511	82511P
				.014	4,500 – 9,000	9,000	5	79182510	82510
				.020	4,500 – 9,000	9,000	5	79182511	82511
5	1-1/4	5/8-11	-	.020	4,000 – 8,000	8,000	2	79152515	82515P
				.014	4,000 – 8,000	8,000	1	79182514	82514
				.020	4,000 – 8,000	8,000	5	79182515	82515
6	1-3/8	5/8-11	-	.014	3,000 – 6,000	6,000	2	79184759	82516P
							5	79182516	82516
				.020	3,000 – 6,000	6,000	2	79152517	82517P
							5	79182517	82517
Stainless steel wire (INOX)									
2-3/4	7/8	5/8-11	-	.014	5,500 – 14,000	14,000	5	79184930	82353P
								79182353	82353
3-1/2	7/8	5/8-11	-	.014	5,000 – 12,500	12,500	1	79182359	82359
				.020	5,000 – 12,500	12,500	1	79182365	82365
4	1-1/4	5/8-11	-	.020	3,500 – 9,000	9,000	1	79182635	82635

Continued on next page

Discontinued product

Threaded cup brushes
Crimped

D [Inch]	L_T [Inch]	D_A / D_T [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
6	1-3/8	5/8-11	-	.020	2,000 – 6,000	6,000	1	79182638	82638
M-BRAD® nylon abrasive filament, silicon carbide SiC									
3-1/2	7/8	5/8-11	120	.040	3,000 – 5,000	12,000	1	79183810	83810
4	1	5/8-11	80	.040	1,500 – 2,500	6,000	1	79183813	83813
			120	.040	1,500 – 2,500	6,000	1	79183814	83814



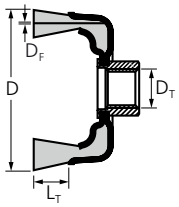
External nut, ECAP® encapsulated

Extremely aggressive brushing action, ideal for heavy-duty brushing.

Special features:
- Maximum service life as premature wire breakage is prevented.
- Precise handling due to high dimensional stability.

D [Inch]	L_T [Inch]	ECAP® grade	D_T [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
6	1-1/4	E4	5/8-11	.020	3,000 – 6,000	6,000	1	79183571	83571

Knotted



External nut, single row, standard twist

The knots of the brush are twisted to 75% of the length. The brush is designed for brushing large areas and for heavy-duty brushwork, such as deburring, cleaning, derusting and descaling, as well as removing spatter.

Special features:
- Optimal ratio of aggressiveness and flexibility.

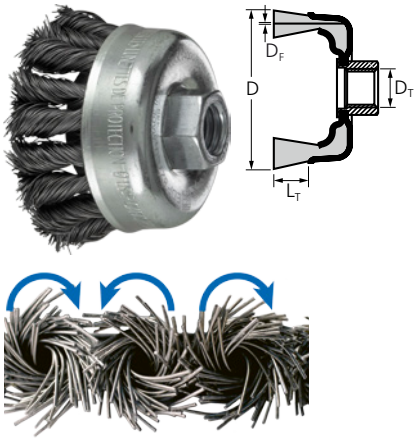
D [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
2-3/4	7/8	5/8-11	.014	18	7,000 – 14,000	14,000	5	79152219	82219P
								79182219	82219
			.020	18	7,000 – 14,000	14,000	5	79184906	82220P
								79182220	82220
		3/8-24	.014	18	7,000 – 14,000	14,000	5	79182223	82223
			.020	18	7,000 – 14,000	14,000	5	79182224	82224
		M10x1.25	.020	18	7,000 – 14,000	14,000	5	79184908	82228P
								79182228	82228
3-1/2	7/8	5/8-11	.014	20	6,000 – 12,500	12,500	5	79182231	82231
			.020	20	6,000 – 12,500	12,500	5	79184936	82232P
								79182232	82232
		3/8-24	.020	20	6,000 – 12,500	12,500	1	*79182236*	82236

Continued on next page

Discontinued product

Threaded cup brushes
Knotted

D [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
4	1-1/4	5/8-11	.014	24	4,500 – 9,000	9,000	2	79152522	82522P
							5	79182522	82522
			.023	24	4,500 – 9,000	9,000	2	79184739	82523P
							5	79182523	82523
			.035	24	4,500 – 9,000	9,000	1	79182524	82524
5	1-3/8	5/8-11	.023	30	3,500 – 7,000	7,000	1	79182529	82529
6	1-1/2	5/8-11	.014	36	3,000 – 6,000	6,000	1	79182530	82530
			.023	36	3,000 – 6,000	6,000	1	79182531	82531
			.035	36	3,000 – 6,000	6,000	1	79182532	82532
Stainless steel wire (INOX)									
2-3/4	7/8	5/8-11	.014	18	5,500 – 14,000	14,000	5	79152329	82329P
								79182329	82329
			.020	18	5,500 – 14,000	14,000	5	79184924	82330P
								79182330	82330
		3/8-24	.020	18	5,500 – 14,000	14,000	5	79182334	82334
3-1/2	7/8	5/8-11	.020	20	5,000 – 12,500	12,500	5	79184948	82342P
								79182342	82342
4	1-1/4	5/8-11	.014	24	3,500 – 9,000	9,000	1	79182647	82647
			.023	24	3,500 – 9,000	9,000	1	79182648	82648
6	1-1/2	5/8-11	.014	36	2,000 – 6,000	6,000	1	79182653	82653
			.023	36	2,000 – 6,000	6,000	1	79182654	82654
Brass wire									
3-1/2	7/8	5/8-11	.014	20	5,000 – 12,500	12,500	1	79182368	82368



External nut, standard twist, COMBITWIST®

The knots of the brush are twisted to 75% of the length. The brush is designed for brushing large areas and for heavy-duty brushwork, such as deburring, cleaning, derusting and descaling, as well as removing spatter.

Special features:

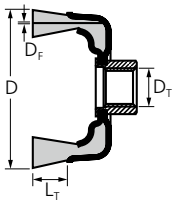
- Maximum economic efficiency due to maximum tool life and stock removal rate. High level of comfort thanks to smooth running with no brush recoiling.
- Designed for work on corners and edges as the knots are less likely to unravel.
- Optimal ratio of aggressiveness and flexibility.

D [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
2-3/4	7/8	5/8-11	.014	18	7,000 – 14,000	14,000	5	79152750	82750P
								79182750	82750
			.020	18	7,000 – 14,000	14,000	5	79152751	82751P
								79182751	82751
3-1/2	7/8	5/8-11	.014	20	6,000 – 12,500	12,500	1	79182401	82401

Continued on next page

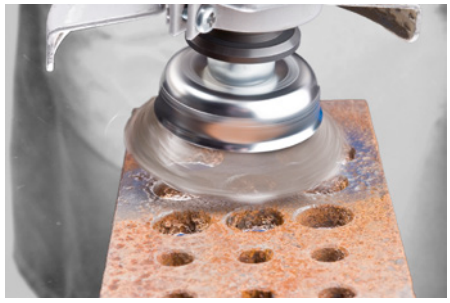
Threaded cup brushes
Knotted

D [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
3-1/2	7/8	5/8-11	.020	20	6,000 – 12,500	12,500	1	79182402	82402
4	1-1/4	5/8-11	.014	24	4,500 – 9,000	9,000	1	79182716	82716
			.023	24	4,500 – 9,000	9,000	1	79182717	82717
5	1-3/8	5/8-11	.023	30	3,500 – 7,000	7,000	1	79182723	82723
6	1-1/2	5/8-11	.023	36	3,000 – 6,000	6,000	1	79182725	82725
Stainless steel wire (INOX)									
2-3/4	7/8	5/8-11	.014	18	5,500 – 14,000	14,000	5	79182855	82855
			.020	18	5,500 – 14,000	14,000	5	79182856	82856
3-1/2	7/8	5/8-11	.020	20	4,000 – 9,000	12,500	1	79182431	82431
4	1-1/4	5/8-11	.014	24	3,500 – 9,000	9,000	1	*79182789*	82789
			.023	24	3,500 – 9,000	9,000	1	79182790	82790



TBG, industrial use

Aggressive-action brush. Excellent for heavy-duty brushing tasks such as deburring, cleaning, derusting, and descaling, as well as for removing spatter. Made with PFERD TOOLS special wire, characterized by high fatigue strength.

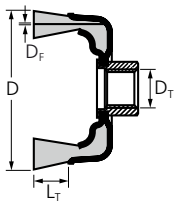


Special features:
- Aggressive brushing effect due to the very stiff knotted wire.

D [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
2-3/4	3/4	X-LOCK	.020	18	6,300 – 12,500	12,500	1	43305026	80717
Stainless steel wire (INOX) – These INOX brushes are degreased.									
2-3/4	3/4	X-LOCK	.020	18	5,000 – 12,500	12,500	1	43305028	80429

Discontinued product

Threaded cup brushes
Knotted

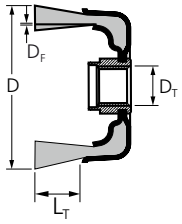


External nut, double row, standard twist, COMBITWIST®

The knots of the brush are twisted to 75% of the length. The brush is designed for brushing large areas and for heavy-duty brushwork, such as deburring, cleaning, derusting and descaling, as well as removing spatter.

Special features:
- Maximum economic efficiency due to maximum tool life and stock removal rate. High level of comfort thanks to smooth running with no brush recoiling.
- Designed for work on corners and edges as the knots are less likely to unravel.
- Double-row design enables fast results due to larger filament width.

D [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
4	1-3/8	5/8-11	.023	48	3,500 – 7,000	7,000	1	79182553	82553
6	1-1/2	5/8-11	.023	66	3,000 – 6,000	6,000	1	79182557	82557
			.035	66	3,000 – 6,000	6,000	1	79182558	82558
Stainless steel wire (INOX)									
4	1-3/8	5/8-11	.023	48	2,500 – 7,000	7,000	1	79182657	82657



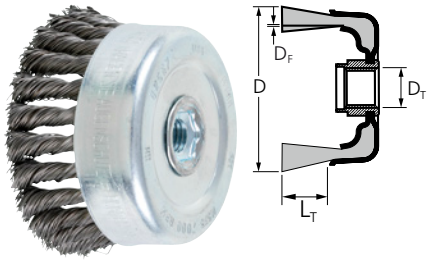
Internal nut, standard twist

The knots of the brush are twisted to 75% of the length. The brush is designed for brushing large areas and for heavy-duty brushwork, such as deburring, cleaning, derusting and descaling, as well as removing spatter.

Special features:
- Aggressive brushing action due to tightly-twisted wire knots.
- With female thread for optimum guidability and fatigue-free working.

D [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
3-1/2	7/8	5/8-11	.020	20	6,000 – 12,500	12,500	1	79182538	82538
4	1-1/2	5/8-11	.014	24	3,500 – 7,000	7,000	1	79182539	82539
			.023	24	3,500 – 7,000	7,000	1	79182540	82540
6	1-5/8	5/8-11	.014	36	3,000 – 6,000	6,000	2	79152545	82545P
							5	79182545	82545
			.023	36	3,000 – 6,000	6,000	2	79184755	82546P
							5	79182546	82546

Threaded cup brushes
Knotted

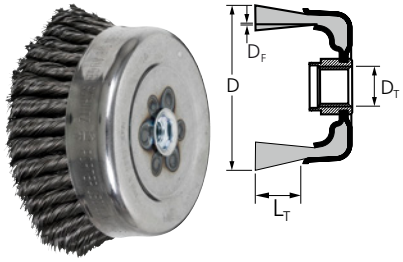


Internal nut, full cable twist

Aggressive brush with internal thread. Excellent for heavy-duty brushing such as deburring, cleaning, derusting and descaling and removal of spatter.

Special features:
- Aggressive brushing action due to tightly-twisted wire knots.
- With female thread for optimum guidability and fatigue-free working.

D [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
4	1-3/8	5/8-11	.020	24	3,500 – 7,000	7,000	1	79182567	82567
6	1-1/2	5/8-11	.023	36	3,000 – 6,000	6,000	1	79182571	82571

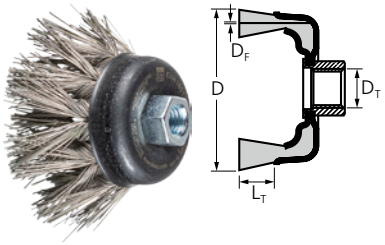


Internal nut, double row, full cable twist

Aggressive brush with internal thread. Excellent for heavy-duty brushing such as deburring, cleaning, derusting and descaling and removal of spatter.

Special features:
- Aggressive brushing action due to tightly-twisted wire knots.
- Double-row design enables fast results due to larger filament width.
- With female thread for optimum guidability and fatigue-free working.

D [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
6	1-1/2	5/8-11	.023	66	3,000 – 6,000	6,000	1	79182574	82574



External nut, diamond coated, standard twist

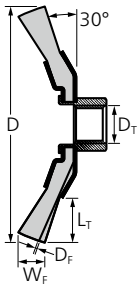
INOX DIA filament brushes are designed for particularly demanding applications that require an aggressive brush. They are primarily used on extremely hard materials.

Special features:
- The knots of the brush are twisted to 50% of the length, ensuring an optimal ratio of aggressiveness and flexibility.
- The brush achieves a better surface quality on uneven surfaces when compared to knotted brushes.

D [Inch]	L_T [Inch]	D_T [Inch]	Grit size	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Stainless steel wire (INOX) diamond (DIA)										
2-3/4	1-5/8	5/8-11	270	.020	18	1,000 – 2,800	11,000	1	79184352	84352
			400	.020	18	1,000 – 2,800	11,000	1	*79184353*	84353
4	1-1/2	5/8-11	270	.020	24	1,000 – 2,400	9,000	1	79184348	84348
			400	.020	24	1,000 – 2,400	9,000	1	79184349	84349

Discontinued product

Threaded bevel brushes
Crimped



KBU, industrial use

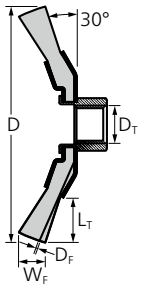
Excellent for medium-duty brushing tasks such as deburring, cleaning, and derusting. Can be used with angle grinders at speeds up to 80 m/s. Made with PFERD TOOLS special wire, characterized by high resistance to fatigue.

Special features:
- Ideal for cleaning narrow or hard-to-reach areas such as grooves, fillets, and inside edges.
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Creates fine surfaces.

D [Inch]	W_F [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
4	1/2	3/4	5/8-11	.014	6,000 – 12,500	12,500	5	79182213	82213
4-1/2	1/2	1-1/8	5/8-11	.014	6,000 – 12,500	12,500	5	79182256	82256
5	3/8	7/8	5/8-11	.014	6,000 – 11,000	11,000	5	*79182257*	82257
Stainless steel wire (INOX)									
4	1/2	3/4	5/8-11	.014	5,000 – 12,500	12,500	5	79182370	82370
4-1/2	1/2	1-1/8	5/8-11	.014	5,000 – 12,500	12,500	5	79182371	82371
5	3/8	7/8	5/8-11	.014	5,000 – 11,000	11,000	5	79182372	82372

Discontinued product

Threaded bevel brushes
Knotted



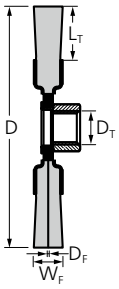
KBG, industrial use

Aggressive-action brush. Excellent for heavy-duty brushing tasks such as deburring, cleaning, derusting, and descaling, as well as for removing spatter. Made with PFERD TOOLS special wire, characterized by high fatigue strength.

Special features:
- Ideal for cleaning narrow or hard-to-reach areas such as grooves, fillets, and inside edges.
- Aggressive brushing action due to tightly-twisted wire knots.

D [Inch]	W_F [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)										
4	1/2	3/4	5/8-11	.020	22	10,000 – 15,000	20,000	5	79184966	82202P
									79182202	82202
				.014	22	10,000 – 15,000	20,000	5	79182201	82201
4-1/2	1/2	1	5/8-11	.014	24	7,500 – 15,000	15,000	1	79182500	82500
				.020	24	7,500 – 15,000	15,000	1	79182501	82501
5	1/2	3/4	5/8-11	.020	28	7,500 – 15,000	15,000	1	79182505	82505
7	1/2	1-1/8	5/8-11	.020	28	5,000 – 9,000	9,000	1	79182509	82509
Stainless steel wire (INOX)										
4	1/2	3/4	5/8-11	.014	22	8,000 – 15,000	20,000	5	79182317	82317
4-1/2	1/2	1	5/8-11	.014	24	6,000 – 15,000	15,000	1	79182625	82625
5	1/2	3/4	5/8-11	.014	28	6,000 – 15,000	15,000	1	79182629	82629

Wheel brushes
Crimped



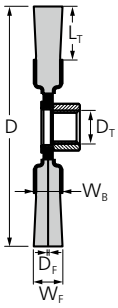
RBU, for angle grinders, industrial use

Suitable for medium-duty brushing tasks such as derusting and cleaning weld seams, as well as light deburring work. Can be used with angle grinders at speeds up to 80 m/s. Features PFERD TOOLS special wire, distinguished by its high resistance to repeated bending.

Special features:
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Creates fine surfaces.

D [mm]	W_F [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
4	1/2	11/16	5/8-11	.014	6,000 – 12,500	12,500	5	79184869	82195P
								79182195	82195
4-1/2	1/2	15/16	5/8-11	.014	6,000 – 12,500	12,500	5	79180024	80024
5	1/2	1-1/8	5/8-11	.014	6,000 – 12,500	12,500	5	79180036	80036
Stainless steel wire (INOX)									
4	1/2	11/16	5/8-11	.014	6,000 – 12,500	12,500	5	79182316	82316
4-1/2	1/2	15/16	5/8-11	.014	6,000 – 12,500	12,500	5	79180354	80354
5	1/2	1-1/8	5/8-11	.014	6,000 – 12,500	12,500	5	79180366	80366
Brass wire									
4	1/2	11/16	5/8-11	.014	6,000 – 12,500	12,500	5	79182367	82367

Wheel brushes
Knotted



Standard twist, long flag

The knots of the brush are twisted to 75% of the length. The brush is designed for brushing large areas and for heavy-duty brushwork, such as deburring, cleaning, derusting and descaling, as well as removing spatter.

Special features:
- Optimal ratio of aggressiveness and flexibility.

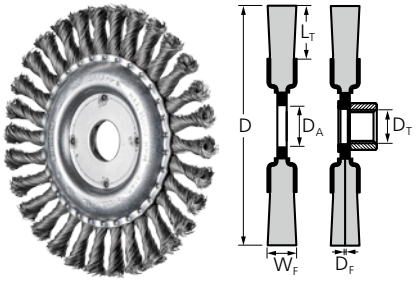
D [Inch]	W_F [Inch]	L_T [Inch]	D_A / D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)										
3	1/2	5/8	3/8	.012	18	12,500 – 18,700	25,000	10	79181650	81650
				.014	18	12,500 – 18,700	25,000	10	79181651	81651
				.020	18	12,500 – 18,700	25,000	10	79181652	81652
3-1/4	1/2	3/4	3/8	.014	20	12,500 – 18,700	25,000	10	*79181654*	81654
4	5/8	3/4	3/8	.012	22	10,000 – 15,000	20,000	10	79181656	81656
			1/2	.014	22	10,000 – 15,000	20,000	10	79181660	81660
		7/8	5/8-11	.014	22	10,000 – 15,000	20,000	5	79184865	82153P
								10	79182153	82153
		3/4	3/8	.014	22	10,000 – 15,000	20,000	5	79184866	81657P
								10	79181657	81657
				.020	22	10,000 – 15,000	20,000	10	79181658	81658
		7/8	5/8-11	.020	22	10,000 – 15,000	20,000	10	79182154	82154
5	5/8	5/8	5/8-11	.020	24	7,500 – 15,000	15,000	10	79182470	82470
6	5/8	1-1/8	1/2	.012	32	4,500 – 6,500	9,000	10	79181665	81665
				.014	32	4,500 – 6,500	9,000	5	79184893	81666P
								10	79181666	81666
			5/8-11	.014	32	4,500 – 9,000	9,000	10	79182471	82471
			1/2	.016	32	4,500 – 6,500	9,000	5	79151667	81667P
								10	79181667	81667
			5/8-11	.016	32	4,500 – 9,000	9,000	10	79182472	82472
			1/2	.023	32	4,500 – 6,500	9,000	10	79181668	81668
			5/8-11	.023	32	4,500 – 9,000	9,000	10	79182473	82473
7	5/8	1-5/8	5/8	.014	32	4,500 – 6,500	9,000	2	79181694	81694
Stainless steel wire (INOX)										
3	7/16	3/4	3/8	.012	18	10,000 – 16,000	25,000	10	79181800	81800
				.014	18	10,000 – 16,000	25,000	10	79181801	81801
4	5/8	3/4	3/8	.012	22	8,000 – 13,000	20,000	10	79181806	81806
				.014	22	8,000 – 13,000	20,000	5	79151807	81807P
									79181807	81807
		7/8	5/8-11	.014	22	8,000 – 15,000	20,000	5	79184867	82283P
								10	79182283	82283
		3/4	3/8	.020	22	8,000 – 13,000	20,000	10	79181808	81808
		7/8	5/8-11	.020	22	8,000 – 15,000	20,000	10	79182284	82284
5	5/8	5/8	5/8-11	.020	24	6,000 – 15,000	15,000	10	79182596	82596
6	5/8	1-1/8	1/2	.016	32	3,500 – 5,500	9,000	10	79181816	81816
			5/8-11	.016	32	3,500 – 9,000	9,000	10	79182597	82597

Continued on next page

Discontinued product

Wheel brushes
Knotted

D [Inch]	W_F [Inch]	L_T [Inch]	D_A / D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
6	5/8	1-1/8	5/8-11	.023	32	3,500 – 9,000	9,000	10	79182598	82598
Brass wire										
4	5/8	7/8	5/8-11	.014	22	8,000 – 15,000	20,000	10	79182366	82366



Full cable twist

Aggressive brush. Designed for heavy-duty brushing in metalwork such as descaling, derusting, deburring, cleaning of weld seams, removal of adhesive residues and spatter.

Special features:
- Aggressive brushing action due to tightly-twisted wire knots.

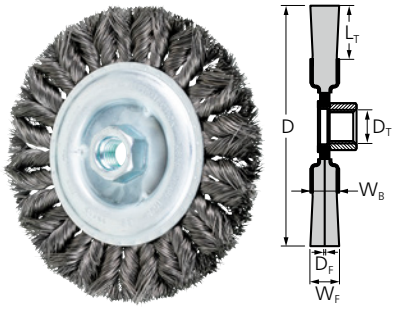
D [Inch]	W_F [Inch]	L_T [Inch]	D_A / D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)										
4	3/8	3/4	3/8	.020	22	10,000 – 15,000	20,000	10	79182101	82101
	1/2	3/4	5/8-11	.014	22	10,000 – 15,000	20,000	5	79152165	82165P
									79182165	82165
				.020	22	10,000 – 15,000	20,000	5	79184844	82166P
								10	79182166	82166
			3/8-24	.020	22	10,000 – 15,000	20,000	10	79182170	82170
			1/2-13	.020	22	10,000 – 15,000	20,000	10	*79182168*	82168
4-1/2	1/2	7/8	X-LOCK	.020	24	6,300 – 12,500	12,500	1	43312031	80708
		13/16	7/8	.020	24	6,000 – 9,000	12,500	10	79182452	82452
5	1/2	3/4	5/8-11	.023	24	7,500 – 15,000	15,000	5	79184884	82474P
								10	79182474	82474
4-7/8	1/2	1-1/16	X-LOCK	.020	24	6,300 – 12,500	12,500	1	43303035	80709
6	1/2	1-1/4	1/2	.023	30	5,000 – 7,500	10,000	10	79182113	82113
			5/8-11	.016	30	5,000 – 10,000	10,000	5	79152476	82476P
				.023	24	5,000 – 10,000	10,000	1	79152477	82477P
								5	79182477	82477
					30	5,000 – 10,000	10,000	5	79184885	82478P
								10	79182478	82478
Stainless steel wire (INOX)										
4	1/2	3/4	5/8-11	.014	22	8,000 – 15,000	20,000	5	79152295	82295P
									79182295	82295
				.020	22	8,000 – 15,000	20,000	10	79182296	82296
5	1/2	3/4	5/8-11	.023	24	6,000 – 15,000	15,000	10	79182599	82599
6	1/2	1-1/4	5/8-11	.023	24	4,000 – 10,000	10,000	10	79182602	82602
					30	4,000 – 10,000	10,000	10	79182603	82603

Continued on next page

Discontinued product

Wheel brushes
Knotted

D [Inch]	W_F [Inch]	L_T [Inch]	D_A / D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Stainless steel wire (INOX) – These INOX brushes are degreased.										
4-1/2	1/2	7/8	X-LOCK	.020	24	5,000 – 12,500	12,500	1	43312036	80423
4-7/8	1/2	1-1/16	X-LOCK	.020	24	5,000 – 12,500	12,500	1	43303038	80424



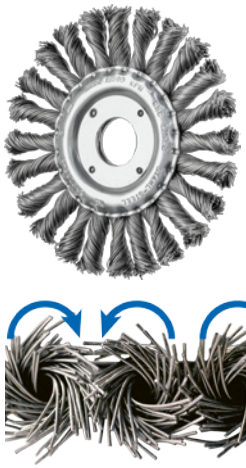
Standard twist, COMBITWIST®

The knots of the brush are twisted to 75% of the length. The brush is designed for brushing large areas and for heavy-duty brushwork, such as deburring, cleaning, derusting and descaling, as well as removing spatter.

Special features:

- Maximum economic efficiency due to maximum tool life and stock removal rate and high level of comfort thanks to smooth running with no brush recoiling.
- Designed for work on corners and edges as the knots are less likely to unravel.
- Aggressive brushing effect due to the very stiff knotted wire.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A / D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)										
4	5/8	7/8	5/8-11	.014	22	10,000 – 15,000	20,000	10	79182383	82383
				.020	22	10,000 – 15,000	20,000	10	79182384	82384
5	5/8	5/8	5/8-11	.020	24	7,500 – 15,000	15,000	10	79182680	82680
6	5/8	1-1/8	5/8-11	.014	32	4,500 – 9,000	9,000	10	79182681	82681
				.016	32	4,500 – 9,000	9,000	10	79182682	82682
				.023	32	4,500 – 9,000	9,000	10	79182683	82683
Stainless steel wire (INOX)										
4	5/8	7/8	5/8-11	.014	22	8,000 – 15,000	20,000	10	79182412	82412
				.020	22	8,000 – 15,000	20,000	10	79182413	82413
5	5/8	5/8	5/8-11	.020	24	6,000 – 15,000	15,000	10	79182749	82749
6	5/8	1-1/8	5/8-11	.016	32	3,500 – 9,000	9,000	10	79182752	82752
				.023	32	3,500 – 9,000	9,000	10	79182753	82753



Full cable twist, COMBITWIST®

Very aggressive brush. Designed for heavy-duty brushing in metalwork such as descaling, derusting, deburring, cleaning of weld seams and removal of adhesive residues and spatter. Good for work on corners and edges as the knots are less likely to unravel.

Special features:
- Maximum economic efficiency due to maximum service life and stock removal rate.
- Brush runs smoothly due to it's flawless balance.
- Aggressive brushing action due to tightly-twisted wire knots.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A / D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)										
4	1/2	3/4	5/8-11	.014	22	10,000 – 15,000	20,000	10	79182387	82387
				.020	22	10,000 – 15,000	20,000	10	79182388	82388
5	1/2	3/4	5/8-11	.023	24	7,500 – 15,000	15,000	10	79182684	82684
6	1/2	1-1/4	5/8-11	.023	30	5,000 – 10,000	10,000	10	*79182688*	82688
Stainless steel wire (INOX)										
4	1/2	3/4	5/8-11	.014	22	8,000 – 15,000	20,000	10	79182416	82416
				.020	22	8,000 – 15,000	20,000	10	79182417	82417

Pipeline

Stringer bead twist

Aggressive and robust brush that is able to withstand high mechanical loads. Ideal for heavy-duty brushing in pipeline and container construction.

Special features:
- Extra-slim design allows access to hard-to-reach areas such as root weld seams.
- Aggressive brushing action due to tightly-twisted wire knots.
- *The BSAD 41/36 x 610 belt grinding adapter achieves a belt length of 610 mm.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A / D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)										
4	3/16	3/4	5/8-11	.020	32	10,000 – 15,000	20,000	5	79184825	82186P
								10	79182186	82186
			M10x1,25	.020	32	10,000 – 15,000	20,000	5	79184827	82190P
			3/8-24	.020	32	10,000 – 15,000	20,000	10	79182188	82188
			1/2-13	.020	32	10,000 – 15,000	20,000	5	79184826	82187P

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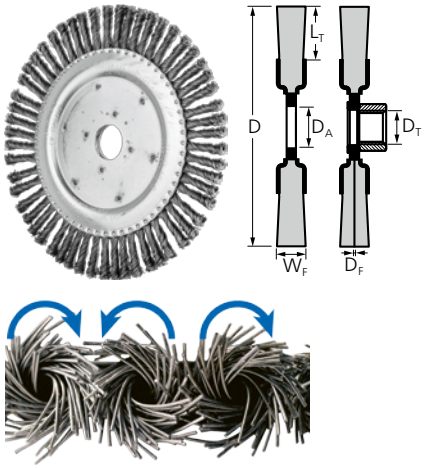
Wheel brushes
Pipeline

PFERD TOOLS

D [Inch]	W_F [Inch]	L_T [Inch]	D_A / D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
4	3/16	3/4	1/2-13	.020	32	10,000 – 15,000	20,000	10	79182187	82187
			3/8	.020	32	10,000 – 15,000	20,000	10	79182193	82193
4-1/2	3/16	1	5/8-11	.020	32	10,000 – 15,000	20,000	5	79152194	82194P
								10	79182194	82194
			X-LOCK	.020	32	6,300 – 12,500	12,500	1	43302111	80711
4-7/8	3/16	3/4	5/8-11	.020	38	7,500 – 15,000	15,000	10	79182479	82479
					48	7,500 – 15,000	15,000	5	79184875	82483P
								10	79182483	82483
			X-LOCK	.020	48	6,300 – 12,500	12,500	1	43302521	80412
6	1/8	1-1/8	5/8-11	.020	64	6,000 – 12,500	12,500	10	79182489	82489
	3/16	1-1/8	5/8-11	.020	56	6,000 – 12,500	12,500	5	79152488	82488P
					40	6,000 – 12,500	12,500	10	79182486	82486
					48	6,000 – 12,500	12,500	5	79184877	82487P
								10	79182487	82487
					56	6,000 – 12,500	12,500	10	79182488	82488
6-7/8	3/16	1-1/8	5/8-11	.020	56	4,500 – 9,000	9,000	10	79182494	82494
					76	4,500 – 9,000	9,000	10	79182495	82495
Stainless steel wire (INOX)										
4	3/16	3/4	5/8-11	.020	32	8,000 – 15,000	20,000	5	79184831	82307P
								10	79182307	82307
4-1/2	3/16	1	5/8-11	.020	32	8,000 – 15,000	20,000	10	79182315	82315
4	3/16	3/4	3/8-24	.020	32	8,000 – 15,000	20,000	10	79182309	82309
4-7/8	3/16	3/4	5/8-11	.020	38	6,000 – 15,000	15,000	10	79182604	82604
					48	6,000 – 15,000	15,000	5	79184880	82608P
								10	79182608	82608
6	3/16	1-1/8	5/8-11	.020	40	5,000 – 12,500	12,500	10	79182611	82611
					48	5,000 – 12,500	12,500	5	79184881	82612P
								10	79182612	82612
					56	5,000 – 12,500	12,500	10	79182613	82613
6-7/8	3/16	1-1/8	5/8-11	.020	56	3,500 – 9,000	9,000	10	79182619	82619

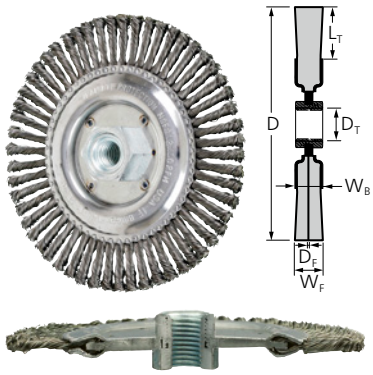


Stringer bead twist, COMBITWIST®

Very aggressive and robust brush that is able to withstand high mechanical loads. Perfect for heavy-duty brushing in pipeline and container construction. Designed for work on corners and edges as the knots are less likely to unravel.

Special features:
- Extra-slim design allows access to hard-to-reach areas such as root weld seams.
- Maximum economic efficiency due to maximum tool life and stock removal rate. High level of comfort thanks to smooth running with no brush recoiling.
- Aggressive brushing action due to tightly-twisted wire knots.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A / D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)										
4	3/16	3/4	5/8-11	.020	32	8,000 – 15,000	20,000	10	79182420	82420
4-1/2	3/16	1	5/8-11	.020	32	8,000 – 15,000	20,000	10	79182421	82421
4-7/8	3/16	3/4	5/8-11	.020	48	7,000 – 15,000	15,000	10	79182759	82759
6	3/16	1-1/8	5/8-11	.020	48	5,000 – 12,500	12,500	10	79182763	82763
					56	5,000 – 12,500	12,500	10	79182764	82764
4	3/16	3/4	5/8-11	.020	32	10,000 – 15,000	20,000	10	79182391	82391
4-1/2	3/16	1	5/8-11	.020	32	10,000 – 15,000	20,000	10	79182392	82392
4-7/8	3/16	3/4	5/8-11	.020	48	7,500 – 15,000	15,000	10	79182689	82689
6	3/16	1-1/8	5/8-11	.020	48	6,000 – 12,500	12,500	10	79182693	82693
					56	6,000 – 12,500	12,500	10	79182694	82694
6-7/8	3/16	1-1/8	5/8-11	.020	56	4,500 – 9,000	9,000	10	79182700	82700
					76	4,500 – 9,000	9,000	10	79182701	82701

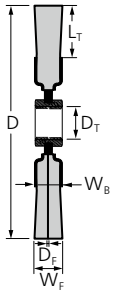


TWIN-NUT, stringer bead twist

Very aggressive and robust brush that is able to withstand high mechanical loads. Ideal for heavy-duty brushing in pipeline and container construction. The design of the thread prevents the brush from coming into contact with the protective cover of the angle grinder.

Special features:
- The change of knot twist direction gives the brush a longer service life and aggressive properties.
- Extra-slim design allows access to hard-to-reach areas such as root weld seams.
- Aggressive brushing action due to tightly-twisted wire knots.

D [Inch]	W_F [Inch]	L_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
6	3/16	1-1/8	.020	48	6,000 – 12,500	12,500	10	79188028	88028
				56	6,000 – 12,500	12,500	10	79188029	88029
6-7/8	3/16	1-1/8	.020	56	4,500 – 9,000	9,000	10	79188032	88032

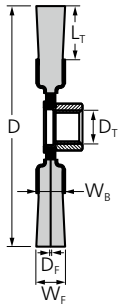


TWIN-NUT, stringer bead twist, COMBITWIST®

Very aggressive and robust brush that is able to withstand high mechanical loads. Ideal for heavy-duty brushing in pipeline and container construction. The design of the thread prevents the brush from coming into contact with the protective cover of the angle grinder.

Special features:
- The change of knot twist direction gives the brush a longer service life and aggressive properties.
- Maximum economic efficiency due to maximum tool life and stock removal rate. High level of comfort thanks to smooth running with no brush recoiling.
- Extra-slim design allows access to hard-to-reach areas such as root weld seams.

D [Inch]	W_F [Inch]	L_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
4-7/8	3/16	3/4	.020	48	5,000 – 12,500	12,500	5	79188049	88049
6	3/16	1-1/8	.020	56	6,000 – 12,500	12,500	10	79188050	88050
6-7/8	3/16	1-1/8	.020	56	4,500 – 9,000	9,000	10	79188052	88052
6	3/16	1-1/8	.020	56	5,000 – 12,500	12,500	10	79188042	88042



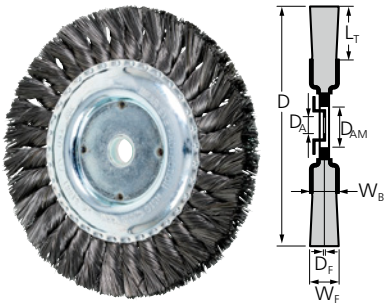
Stringer bead twist, ECAP® encapsulated

Extremely aggressive brushing action, ideal for heavy-duty brushing in pipeline and container construction.

Special features:
- Maximum service life as premature wire breakage is prevented.
- Precise handling due to high dimensional stability.
- Extra-slim design allows access to hard-to-reach areas such as root weld seams.

D [Inch]	W_F [Inch]	L_T [Inch]	ECAP® grade	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
4	3/16	7/8	E4	.020	10,000 – 15,000	20,000	10	79183511	83511
7	3/16	1-9/16	E4	.014	4,500 – 9,000	9,000	10	79183509	83509
			E5	.014	4,500 – 9,000	9,000	10	*79183517*	83517
6-7/8	3/16	1-9/16	E4	.020	4,500 – 9,000	9,000	10	*79183513*	83513

Discontinued product

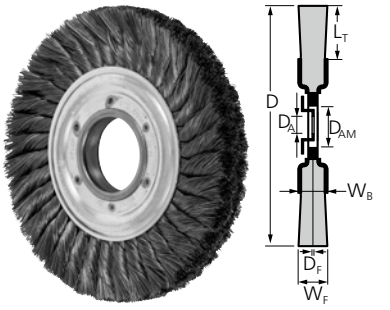


Standard twist, long flag

The knots of the brush are twisted to 50% of the length. The brush achieves a better surface quality on uneven surfaces than conventional knotted brushes.

Special features:
- Optimal ratio of aggressiveness and flexibility.

D [Inch]	W_F [Inch]	L_T [Inch]	W_B [Inch]	D_{AM} [Inch]	D_A [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)												
6	5/8	1-1/8	9/16	5/8	1/2	.014	32	4,500 – 6,500	9,000	10	79181881	81881



Standard twist, double row, long flag

The knots of the brush are twisted to 50% of the length. The brush achieves a better surface quality on uneven surfaces than conventional knotted brushes.

Special features:
- Double-row design enables fast results due to larger filament width.
- Optimal ratio of aggressiveness and flexibility.

D [Inch]	W_F [Inch]	L_T [Inch]	W_B [Inch]	D_{AM} [Inch]	D_A [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)												
4	1	3/4	1-1/8	5/8	1/2	.014	44	6,000 – 12,000	20,000	5	79182032	82032

Diamond coated, standard twist

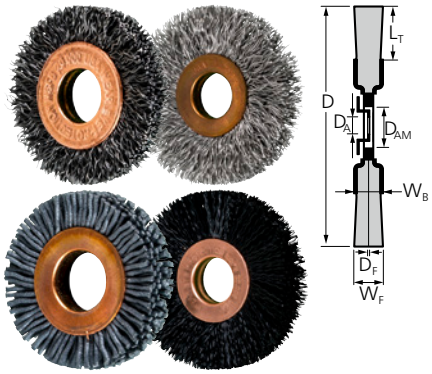
INOX DIA filament brushes are designed for particularly demanding applications that require an aggressive brush. They are primarily used on extremely hard materials.

Special features:
- The knots of the brush are twisted to 50% of the length, ensuring an optimal ratio of aggressiveness and flexibility.
- The brush achieves a better surface quality on uneven surfaces when compared to knotted brushes.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A [Inch]	Grit size	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Stainless steel wire (INOX) diamond (DIA)											
7-1/2	1-1/4	2	1-1/4	270	.020	24	1,000 – 2,000	8,000	1	*79184354*	84354

Discontinued product

Wheel brushes
Crimped, single rings



Small diameter copper center

Designed for cleaning, derusting, smoothing, cleaning of weld seams, light deburring, and removal of corrosion and paint.

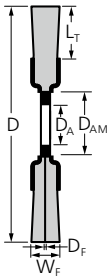
Special features:

- Highly flexible, enabling optimal adaptation to the workpiece contour.
- The special design enables several brushes to be packaged in a row to create wide gap-less rollers.

D [Inch]	W_F [Inch]	W_B [Inch]	L_T [Inch]	D_A [Inch]	D_{AM} [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)												
1-1/4	1/4	7/32	3/8	1/4	3/8	-	.008	10,000 – 15,000	20,000	10	79181504	81504
1-1/2	1/4	7/32	7/16	3/8	-	-	.008	10,000 – 15,000	20,000	10	79181515	81515
							.012	10,000 – 15,000	20,000	10	79181517	81517
2	3/8	7/32	1/2	3/8	1/2	-	.008	10,000 – 15,000	20,000	10	79181527	81527
							.012	10,000 – 15,000	20,000	10	79181529	81529
							.014	10,000 – 15,000	20,000	10	79181530	81530
2-1/2	1/2	5/16	3/4	3/8	1/2	-	.012	10,000 – 15,000	20,000	10	79181534	81534
							.014	10,000 – 15,000	20,000	10	79181535	81535
3	5/8	5/16	1	3/8	1/2	-	.006	10,000 – 15,000	20,000	10	79181542	81542
							.008	10,000 – 15,000	20,000	10	79181543	81543
							.012	10,000 – 15,000	20,000	10	79181545	81545
							.014	10,000 – 15,000	20,000	10	79181546	81546
4	1/2	5/16	1-1/2	5/8	-	-	.008	5,000 – 7,500	10,000	10	79181553	81553
Stainless steel wire (INOX)												
2	3/8	7/32	1/2	3/8	1/2	-	.006	8,000 – 13,000	20,000	10	79181575	81575
							.012	8,000 – 13,000	20,000	10	79181578	81578
3	5/8	5/16	1	3/8	1/2	-	.006	8,000 – 13,000	20,000	10	79181586	81586
							.008	8,000 – 13,000	20,000	10	79181587	81587
							.012	8,000 – 13,000	20,000	10	79181589	81589
							.014	8,000 – 13,000	20,000	10	79181590	81590
Nylon plastic filament												
2	3/8	7/32	1/2	1/2	-	-	.014	5,200 – 9,000	20,000	10	79184340	84340
3	3/8	5/16	1	1/2	-	-	.016	5,200 – 9,000	20,000	10	79184343	84343
M-BRAD® nylon abrasive filament, silicon carbide SiC												
2	5/8	7/32	1/2	3/8	1/2	320	.022	4,000 – 6,000	10,000	10	79183785	83785
						120	.040	4,000 – 6,000	10,000	10	*79183784*	83784
2-1/2	5/8	5/16	11/16	5/8	-	320	.022	4,000 – 6,000	10,000	10	79183792	83792
3	5/8	5/16	15/16	3/8	1/2	180	.035	4,000 – 6,000	10,000	10	79183794	83794
						120	.040	4,000 – 6,000	10,000	10	*79183793*	83793

Discontinued product

Wheel brushes
Crimped, unthreaded



Narrow face

Excellent for medium-duty hand-held or automated brushing of large workpieces.

Special features:
- Can be used with all common stationary drive systems and bench grinders.
- Group multiple brushes together to create larger, continuous rollers. This results in a uniform surface finish.
- Highly flexible, enabling optimal adaptation to the workpiece contour.

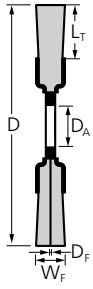
D [Inch]	W_F [Inch]	W_B [Inch]	L_T [Inch]	D_A [Inch]	D_{AM} [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)												
3	9/16	7/16	3/4	3/8	1/2	-	.014	5,000 – 7,500	10,000	2	79180003	80003
4	1/2	7/16	3/4	3/8	1/2	-	.008	6,000 – 9,000	12,500	2	79181442	81442
				1/2	5/8	-	.012	6,000 – 9,000	12,500	2	79180017	80017
							.014	6,000 – 9,000	12,500	2	79180018	80018
6	5/8	7/16	1-1/8	1/2	5/8	-	.006	4,000 – 6,000	8,000	10	79180038	80038
							.008	4,000 – 6,000	8,000	5	79150039	80039P
										10	79180039	80039
							.010	4,000 – 6,000	8,000	10	79180040	80040
							.012	4,000 – 6,000	8,000	10	79180041	80041
							.014	4,000 – 6,000	8,000	5	79150042	80042P
										10	79180042	80042
8	5/8	5/8	1-1/2	5/8	-	-	.006	3,000 – 4,500	6,000	2	79180158	80158
							.008	3,000 – 4,500	6,000	2	79180159	80159
							.012	3,000 – 4,500	6,000	2	79180161	80161
	3/4	1/2	1-1/2	1-1/4	-	-	.012	3,000 – 4,500	6,000	2	79180167	80167
	5/8	5/8	1-1/2	5/8	-	-	.014	3,000 – 4,500	6,000	2	79180162	80162
	3/4	1/2	1-1/2	1-1/4	-	-	.014	3,000 – 4,500	6,000	2	79181449	81449
10	1	1/2	1-7/8	1-1/4	-	-	.008	2,000 – 3,000	4,200	2	79180225	80225
							.014	2,000 – 3,000	4,200	2	79180228	80228
12	1-1/4	11/16	2-7/8	1-1/4	-	-	.012	1,500 – 2,500	3,400	2	79180283	80283
							.014	1,500 – 2,500	3,400	2	79180284	80284
Stainless steel wire (INOX)												
4	1/2	7/16	3/4	1/2	5/8	-	.006	5,000 – 8,000	12,500	1	79180344	80344
							.012	5,000 – 8,000	12,500	2	79180347	80347
6	5/8	7/16	1-1/8	1/2	5/8	-	.006	3,000 – 5,000	8,000	1	79180368	80368
							.008	3,000 – 5,000	8,000	2	79180369	80369
							.010	3,000 – 5,000	8,000	2	79180370	80370
							.012	3,000 – 5,000	8,000	2	79180371	80371
8	3/4	1/2	2-1/8	5/8	-	-	.006	2,000 – 4,000	6,000	2	79180518	80518
	5/8	5/8	1-1/2	5/8	-	-	.012	2,000 – 4,000	6,000	2	79180491	80491
	3/4	1/2	1-1/2	1-1/4	-	-	.012	2,000 – 4,000	6,000	2	79180497	80497
10	1	1/2	1-7/8	1-1/4	-	-	.012	1,500 – 2,500	4,200	2	*79180557*	80557
Brass wire												
6	5/8	7/16	1-1/8	1/2	5/8	-	.008	3,000 – 5,000	8,000	2	79180666	80666
							.014	3,000 – 5,000	8,000	2	79180667	80667
8	3/4	1/2	1-1/2	1-1/4	-	-	.008	2,000 – 4,000	6,000	2	79180682	80682

Continued on next page

Discontinued product

Wheel brushes
Crimped, unthreaded

D [Inch]	W_F [Inch]	W_B [Inch]	L_T [Inch]	D_A [Inch]	D_{AM} [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, silicon carbide SiC												
4	3/4	3/4	3/4	1/2	5/8	80	.040	3,000 – 5,000	12,500	2	79183680	83680
						120	.040	3,000 – 5,000	12,500	2	*79183681*	83681
						180	.035	3,000 – 5,000	12,500	2	79183682	83682
						320	.022	3,000 – 5,000	12,500	2	79183683	83683
M-BRAD® nylon abrasive filament, ceramic oxide (CO)												
4	1/4	3/4	3/4	1/2	5/8	80	.040	3,000 – 5,000	12,500	2	79184225	84225
						120	.022	3,000 – 5,000	12,500	2	79184226	84226
							.040	3,000 – 5,000	12,500	2	*79184227*	84227
Nylon plastic filament												
6	3/4	7/16	1-1/2	1-1/4	-	-	.016	1,500 – 2,500	6,000	2	*79184344*	84344



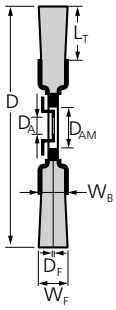
Narrow face, diamond filament

Diamond (DIA) filament brushes are designed for particularly demanding applications. Excellent for hand-held or automated brushing of workpieces with large surfaces.

Special features:
- Can be used with all common stationary drive systems and bench grinders.
- Group multiple brushes together to create larger, continuous rollers. This results in a uniform surface finish.
- Highly flexible, enabling optimal adaptation to the workpiece contour.

D [Inch]	W_F [Inch]	W_B [Inch]	L_T [Inch]	D_A [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, Diamond grain DIA											
4	1/2	1/2	3/4	5/8	600	.014	2,000 – 5,000	12,000	1	*79184325*	84325
6	1/2	1/2	1-1/8	1-1/4	600	.014	1,000 – 3,500	6,000	1	79184323	84323
8	1/2	1/2	1-1/2	2	600	.014	900 – 1,500	4,500	1	79184322	84322

Discontinued product

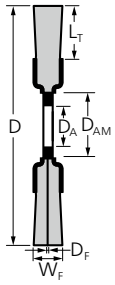


Narrow face, EZmount® bench wheels

Designed for light and medium-duty brushing in stationary applications. Robust wheel brush with short, dense filament for universal applications in the workshop.

Special features:
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Can be used with all common stationary drive systems and bench grinders.

D [Inch]	W_F [Inch]	L_T [Inch]	W_B [Inch]	D_A [Inch]	D_{AM} [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)											
6	7/8	7/8	3/4	1	2	.014	3,000 – 4,500	6,000	5	79184721	81474P
									1	79181474	81474
8	7/8	7/8	3/4	1	2	.014	2,000 – 3,000	4,500	5	79184723	81478P
									1	79181478	81478
10	7/8	2-1/4	3/4	1	2	.014	1,500 – 2,500	3,600	1	79181480	81480



Medium face

Excellent for medium-duty hand-held or automated brushing of workpieces with large surfaces. Developed specially for industrial use. The brush impresses with its very long tool life, which ensures high economic efficiency.

Special features:
- Can be used with all common stationary drive systems and bench grinders.
- Group multiple brushes together to create larger, continuous rollers. This results in a uniform surface finish.
- Highly flexible, enabling optimal adaptation to the workpiece contour.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A [Inch]	D_{AM} [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)											
6	1-1/16	1-1/8	1-1/4	2	-	.006	3,000 – 4,500	6,000	1	79181112	81112
						.008	3,000 – 4,500	6,000	1	79181113	81113
						.010	3,000 – 4,500	6,000	1	79181114	81114
						.012	3,000 – 4,500	6,000	1	79181115	81115
						.014	3,000 – 4,500	6,000	5	79151116	81116P
									1	79181116	81116
	1-1/8	1-1/8	1-1/4	2	-	.006	3,000 – 4,500	6,000	1	*79181232*	81232
						.012	3,000 – 4,500	6,000	1	79181235	81235
						.014	3,000 – 4,500	6,000	1	79181236	81236

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Discontinued product

Wheel brushes
Crimped, unthreaded

D [Inch]	W_F [Inch]	L_T [Inch]	D_A [Inch]	D_{AM} [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
7	1	1-5/16	1-1/4	2	-	.010	3,000 – 4,500	6,000	1	79181120	81120
						.012	3,000 – 4,500	6,000	1	79181121	81121
						.014	3,000 – 4,500	6,000	5	79151122	81122P
									1	79181122	81122
8	1	1-1/2	1-1/4	2	-	.010	2,300 – 3,400	4,500	1	79181126	81126
						.012	2,300 – 3,400	4,500	1	79181127	81127
						.014	2,300 – 3,400	4,500	1	79151128	81128P
										79181128	81128
						.020	2,300 – 3,400	4,500	1	79181129	81129
	1-3/8	1-1/2	1-1/4	2	-	.006	2,300 – 3,400	4,500	1	79181244	81244
						.012	2,300 – 3,400	4,500	1	79181247	81247
						.014	2,300 – 3,400	4,500	1	79181248	81248
						.020	2,300 – 3,400	4,500	1	79181249	81249
10	1-1/4	1-7/8	1-1/4	2	-	.014	1,800 – 2,700	3,600	1	79181134	81134
						.012	1,800 – 2,700	3,600	1	79181133	81133
						.020	1,800 – 2,700	3,600	1	79181135	81135
	2	1-7/8	1-1/4	2	-	.010	1,800 – 2,700	3,600	1	79181252	81252
						.012	1,800 – 2,700	3,600	1	79181253	81253
						.014	1,800 – 2,700	3,600	1	79181254	81254
						.020	1,800 – 2,700	3,600	1	79181255	81255
12	1-1/2	2-7/8	1-1/4	2	-	.012	1,500 – 2,500	3,000	1	79181138	81138
	2-1/4	2-7/8	1-1/4	2	-	.012	1,500 – 2,500	3,000	1	79181257	81257
						.014	1,500 – 2,500	3,000	1	79181258	81258
	1-1/2	2-7/8	1-1/4	2	-	.020	1,500 – 2,500	3,000	1	79181140	81140
	2-1/4	2-7/8	1-1/4	2	-	.020	1,500 – 2,500	3,000	1	79181259	81259
	1-1/2	2-7/8	1-1/4	2	-	.014	1,500 – 2,500	3,000	1	79181139	81139
15	2-1/2	3-1/8	1-1/4	2	-	.012	1,000 – 1,800	2,400	1	79181261	81261
Stainless steel wire (INOX)											
6	1-1/16	1-1/8	1-1/4	2	-	.006	2,400 – 3,900	6,000	1	79181157	81157
						.010	2,400 – 3,900	6,000	1	79181159	81159
						.012	2,400 – 3,900	6,000	1	79181160	81160
	1-1/8	1-1/8	1-1/4	2	-	.014	2,400 – 3,900	6,000	1	79181280	81280
8	1	1-1/2	1-1/4	2	-	.006	1,800 – 2,900	4,500	1	79181169	81169
						.012	1,800 – 2,900	4,500	1	79181172	81172
						.014	1,800 – 2,900	4,500	1	79181173	81173
	1-3/8	1-1/2	1-1/4	2	-	.012	1,800 – 2,900	4,500	1	79181291	81291
10	1-1/4	1-7/8	1-1/4	2	-	.012	1,400 – 2,300	3,600	1	79181178	81178
	2	1-7/8	1-1/4	2	-	.012	1,400 – 2,300	3,600	1	79181297	81297
12	1-3/4	2-7/8	1-1/4	2	-	.014	1,200 – 1,900	3,000	1	79181184	81184
M-BRAD® nylon abrasive filament, silicon carbide SiC											
6	7/8	1-1/8	1-1/4	2	120	.040	1,500 – 2,500	6,000	1	79183700	83700
					180	.035	1,500 – 2,500	6,000	1	79183701	83701
8	1	1-1/2	1-1/4	2	80	.040	1,200 – 2,000	4,500	1	79183703	83703
					120	.040	1,200 – 2,000	4,500	1	*79183704*	83704
					180	.035	1,200 – 2,000	4,500	1	79183705	83705
					320	.022	1,200 – 2,000	4,500	1	79183706	83706

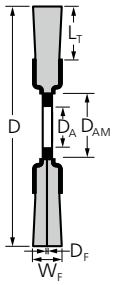
Continued on next page

Discontinued product

Wheel brushes
Crimped, unthreaded

D [Inch]	W_F [Inch]	L_T [Inch]	D_A [Inch]	D_{AM} [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, ceramic oxide (CO)											
4	3/4	7/8	1/2	5/8	120	.040	3,000 – 5,000	12,000	1	79184211	84211

Abrasive bristle brushes
With arbor hole

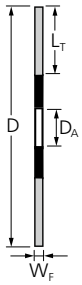


Abrasive bristle brush, wheel

Coated abrasive brush with radially arranged plastic filaments interspersed with integrated ceramic abrasive grains. The robust all-plastic construction ensures consistent results throughout the entire service life. The curved filaments flexibly adapt to the workpiece contour, enabling efficient machining even with complex geometries and in hard-to-reach areas. By adding or removing individual segments, the working width can be adjusted to suit the specific application. Abrasive bristle brushes are particularly suitable for cleaning, light deburring, and removing coatings and corrosion residues from metal surfaces.

Special features:
- Coated filaments embedded with ceramic abrasive grains for consistent material removal and optimal adaptation to contours.
- Consistent surface finish throughout the entire service life with high process reliability.
- The metal-free design prevents damage to and contamination of the workpiece.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A [Inch]	D_{AM} [Inch]	Grit size	Number of segments [Piece]	Opt. RPM	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, ceramic oxide (CO)											
6	1/2	1-3/8	1	2	80	8	1,400 – 4,000	6,000	1	43311074	-
					120	8	1,400 – 4,000	6,000	1	43311072	-
					220	8	1,400 – 4,000	6,000	1	43311073	-
8	1/2	1-5/8	1-1/4	3	80	8	1,000 – 3,000	4,000	1	43311077	-
					120	8	1,000 – 3,000	4,000	1	43311076	-
					220	8	1,000 – 3,000	4,000	1	43311075	-



Abrasive bristle brush, wheel, single segment

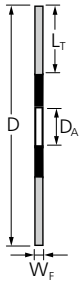
Individual segments with curved filaments for custom configuration of abrasive bristle brushes. The modular plug-in system allows multiple segments to be flexibly assembled on a single mount. The brush width can thus be adapted to the specific application. Ideal for cleaning, light deburring, and removing coatings and corrosion residues from metal surfaces.

Special features:
- Modular plug-in system for customizing the trim width and tool configuration.
- Coated filaments embedded with ceramic abrasive grains for consistent material removal and optimal adaptation to contours.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A [Inch]	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, ceramic oxide (CO)									
6	1/16	1-3/8	2	80	1,400 – 4,000	6,000	10	43595087	-
				120	1,400 – 4,000	6,000	10	43595085	-
				220	1,400 – 4,000	6,000	10	43595086	-
8	1/16	1-5/8	3	80	1,000 – 3,000	4,000	10	43595093	-
				120	1,000 – 3,000	4,000	10	43595091	-
				220	1,000 – 3,000	4,000	10	43595092	-

New item

Abrasive bristle brushes
With arbor hole



Abrasive bristle brush, shank-mounted wheel, single segment

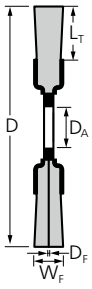
Individual segments with curved filaments for custom configuration of polyamide grinding brushes shank mounted. The modular plug-in system allows multiple segments to be flexibly assembled on a single holder. The working width can thus be adapted to the specific application. Ideal for cleaning, light deburring, and removing coatings and corrosion residues from metal surfaces.

Special features:
- Modular plug-in system for customizing the trim width and tool configuration.
- Coated filaments embedded with ceramic abrasive grains for consistent material removal and optimal adaptation to contours.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A [Inch]	Grit size	Opt. RPM	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, ceramic oxide (CO)									
9/16	1/16	3/16	1/16	80	13,600 – 20,000	20,000	10	43595084	-
				120	13,600 – 20,000	20,000	10	43595081	-
				220	13,600 – 20,000	20,000	10	43595083	-
3/4	1/16	1/4	1/16	80	10,000 – 20,000	20,000	10	43595090	-
				120	10,000 – 20,000	20,000	10	43595088	-
				220	10,000 – 20,000	20,000	10	43595089	-
1	1/16	5/16	1/8	80	7,600 – 20,000	20,000	10	43690018	-
				120	7,600 – 20,000	20,000	10	43595094	-
				220	7,600 – 20,000	20,000	10	43690017	-

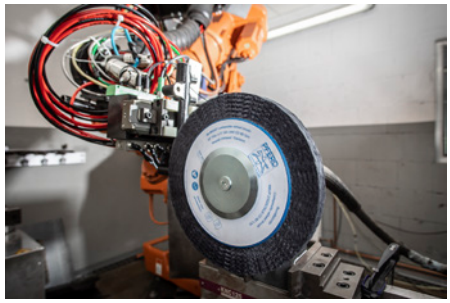
New item

Composite brushes
Wheel brushes, crimped



Composite wheels

Impressively aggressive brush. Its nylon filament makes this product ideal for deburring complicated components such as cylinder heads or gears, as well as for working on surfaces. Developed specially for industrial use.



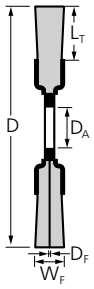
Special features:

- Long tool life and aggressive brushing action due to the high filament density.
- Extremely smooth operation due to evenly distributed filament material.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, silicon carbide SiC										
6	1	1-1/4	2	80	.040	900 – 1,500	3,600	1	79183720	83720
				120	.040	900 – 1,500	3,600	1	79183722	83722
				320	.022	900 – 1,500	3,600	1	*79183723*	83723
8	1	1-1/4	2	80	.040	900 – 1,500	3,600	1	79183726	83726
				120	.040	900 – 1,500	3,600	1	79183728	83728
				320	.022	900 – 1,500	3,600	1	79183729	83729
10	1	1-1/2	2	80	.040	900 – 1,500	3,600	1	*79183738*	83738
				120	.022	900 – 1,500	3,600	1	*79183742*	83742
					.040	900 – 1,500	3,600	1	79183740	83740
12	1	1-1/2	4-1/4	120	.040	500 – 800	1,800	1	79183752	83752
				320	.022	500 – 800	1,800	1	79183753	83753
14	1	1-1/2	5-1/4	80	.040	500 – 800	1,800	1	79183762	83762
					.045	500 – 800	1,800	1	79183763	83763
M-BRAD® nylon abrasive filament, ceramic oxide (CO)										
6	1/2	1-1/4	2	80	.040	900 – 1,500	3,600	1	79184118	84118
	1	1-1/4	2	80	.040	900 – 1,500	3,600	1	79184165	84165
8	1/2	1-1/4	2	80	.040	900 – 1,500	3,600	1	*79184127*	84127
				120	.040	900 – 1,500	3,600	1	*79184132*	84132
	1	1-1/4	2	80	.040	900 – 1,500	3,600	1	79184169	84169
10	1	1-1/2	2	80	.040	500 – 800	1,800	1	79184173	84173
14	1	1-1/2	5-1/4	80	.040	500 – 800	1,800	1	79184181	84181

Discontinued product

Composite brushes
Wheel brushes, crimped



Composite wheels, FLEX type

Uniquely flexible brush. Its nylon filament makes this product ideal for deburring complicated components such as cylinder heads or gears. Developed specially for industrial use.

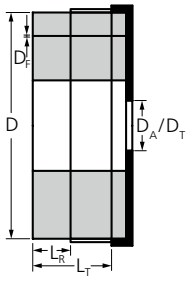
Special features:

- Long tool life and aggressive brushing action due to the high filament density.
- Extremely smooth operation due to evenly distributed filament material.
- Highly flexible, enabling optimal adjustment to the workpiece contour and less heat build-up.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, silicon carbide SiC										
8	1	2-1/4	2	80	.045	900 – 1,500	3,600	1	*79183733*	83733
				120	.040	900 – 1,500	3,600	1	*79183734*	83734
10	1	2-3/4	2	80	.040	900 – 1,500	3,600	1	*79183744*	83744
					.045	900 – 1,500	3,600	1	79183745	83745
				120	.040	900 – 1,500	3,600	1	*79183746*	83746
		2-5/8	2	180	.035	900 – 1,500	3,600	1	*79183657*	83657
		2-3/4	2	320	.022	900 – 1,500	3,600	1	*79183747*	83747
12	1	2-3/8	2	80	.040	500 – 800	1,800	1	*79183659*	83659
		3	4-1/2	80	.040	500 – 800	1,800	1	79183756	83756
					.045	500 – 800	1,800	1	79183757	83757
		2-3/8	2	120	.040	500 – 800	1,800	1	*79183660*	83660
		3	4-1/2	120	.040	500 – 800	1,800	1	79183758	83758
		2-3/8	2	180	.035	500 – 800	1,800	1	*79183661*	83661
14	1	3-1/2	2	80	.040	500 – 800	1,800	1	*79183663*	83663
			5-1/4	80	.040	500 – 800	1,800	1	*79183768*	83768
M-BRAD® nylon abrasive filament, ceramic oxide (CO)										
8	1/2	2-1/4	2	80	.040	900 – 1,500	3,600	1	*79184124*	84124
				120	.040	900 – 1,500	3,600	1	*79184126*	84126
10	1/2	2-5/8	2	80	.040	900 – 1,500	3,600	1	*79184133*	84133
				120	.022	900 – 1,500	3,600	1	*79184138*	84138
					.040	900 – 1,500	3,600	1	*79184139*	84139
12	1/2	2-3/8	2	80	.040	500 – 800	1,800	1	*79184144*	84144
	1	2-3/8	2	80	.040	500 – 800	1,800	1	79184189	84189
				120	.040	500 – 800	1,800	1	79184190	84190
14	1/2	3-1/2	2	80	.040	500 – 800	1,800	1	*79184151*	84151
				120	.040	500 – 800	1,800	1	*79184152*	84152
	1	3-1/2	2	80	.040	500 – 800	1,800	1	*79184193*	84193
				120	.040	500 – 800	1,800	1	*79184194*	84194

Discontinued product

Composite brushes
Composite disc brushes, crimped



High density, bridled

A brush designed for particularly aggressive use. It is especially well-suited for deburring and surface finishing on stationary machines. The support ring prevents the filaments from shifting sideways. The spread and flexibility of the brush filaments can be adjusted via the support ring.

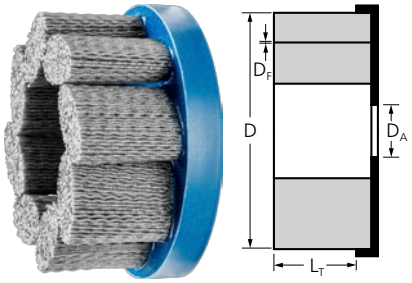
Special features:

- Long tool life and aggressive brushing action due to the high filament density.
- Extremely smooth operation due to evenly distributed filament material.
- If the filament has worn away down to the bridle, the bridle can be removed to extend the life of the brush. This does not affect the brushing behavior.

D [Inch]	L_R [Inch]	L_T [Inch]	D_A / D_T [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, silicon carbide SiC										
3	3/4	1-1/2	7/8	80	.040	2,400 – 3,900	4,500	1	79184120	84120
					.045	2,400 – 3,900	4,500	1	79184121	84121
				120	.040	2,400 – 3,900	4,500	1	79184122	84122
				320	.022	2,400 – 3,900	4,500	1	*79184125*	84125
4	3/4	1-1/2	7/8	80	.040	1,400 – 2,300	3,500	1	79184128	84128
					.045	1,400 – 2,300	3,500	1	79184129	84129
				120	.040	1,400 – 2,300	3,500	1	79184130	84130
				320	.022	1,400 – 2,300	3,500	1	79184131	84131
5	3/4	1-1/2	7/8	80	.040	1,200 – 2,000	3,000	1	79184134	84134
					.045	1,200 – 2,000	3,000	1	79184135	84135
				120	.040	1,200 – 2,000	3,000	1	79184136	84136
6	3/4	1-1/2	7/8	80	.040	1,000 – 1,600	2,500	1	79184140	84140
					.045	1,000 – 1,600	2,500	1	79184141	84141
				120	.040	1,000 – 1,600	2,500	1	*79184142*	84142
8	-	1-1/2	7/8	80	.040	500 – 800	1,800	1	*79184146*	84146
					.045	500 – 800	1,800	1	79184147	84147
				320	.022	500 – 800	1,800	1	79184149	84149
M-BRAD® nylon abrasive filament, ceramic oxide (CO)										
3	3/4	1-1/2	7/8	80	.040	1,200 – 2,000	4,500	1	*79184231*	84231
				120	.040	2,400 – 3,900	4,500	1	79184232	84232
4	3/4	1-1/2	7/8	120	.040	1,400 – 2,300	3,500	1	79184237	84237
Nylon plastic filament										
4	-	1-1/2	7/8	-	.016	1,400 – 2,300	3,500	1	*79184268*	84268

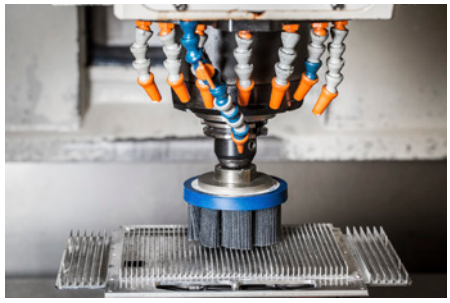
Discontinued product

Composite brushes
Composite disc brushes, crimped



Standard density, FLEX type

Uniquely flexible brush. Ideal for deburring and work on surfaces. Perfect for use on stationary machines.



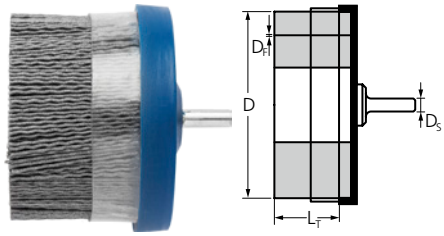
Special features:

- Long tool life and aggressive brushing action due to the high filament density.
- Extremely smooth operation due to evenly distributed filament material.
- Special arrangement of the filament enables optimal adjustment to the workpiece contour, less heat build-up, and more efficient use of the coolant.

D [Inch]	L_T [Inch]	D_A [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, silicon carbide SiC									
3	1-1/2	7/8	80	.040	2,400 – 3,900	4,500	1	79183941	83941
				.045	2,400 – 3,900	4,500	1	79183966	83966
			320	.022	2,400 – 3,900	4,500	1	*79183944*	83944
4	1-1/2	7/8	80	.040	1,400 – 2,300	3,500	1	*79183945*	83945
				.045	1,400 – 2,300	3,500	1	79183968	83968
			120	.040	1,400 – 2,300	3,500	1	79183946	83946
			320	.022	1,400 – 2,300	3,500	1	79183948	83948
6	1-1/2	7/8	80	.040	1,000 – 1,600	2,500	1	79183949	83949
			120	.040	1,000 – 1,600	2,500	1	*79183950*	83950
			320	.022	1,000 – 1,600	2,500	1	*79183952*	83952
8	1-1/2	7/8	80	.045	500 – 800	1,800	1	79183972	83972
			180	.035	500 – 800	1,800	1	79183955	83955
			320	.022	500 – 800	1,800	1	79183956	83956

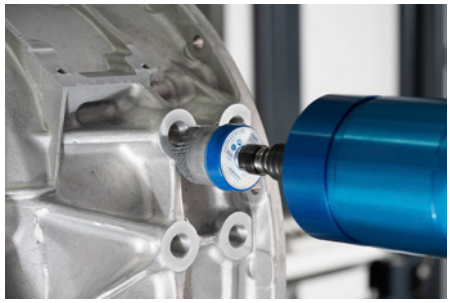
Discontinued product

Composite brushes
Composite disc brushes, crimped



Shank-mounted, bridled

A brush designed for particularly aggressive use. It is especially well-suited for deburring and surface finishing on stationary machines. The support ring prevents the filaments from shifting sideways. The spread and flexibility of the brush filaments can be adjusted via the support ring.



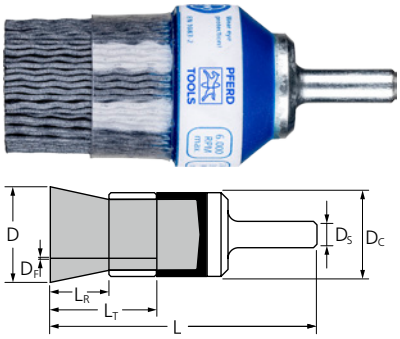
Special features:

- Long tool life and aggressive brushing action due to the high filament density.
- Extremely smooth operation due to evenly distributed filament material.
- If the filament has worn away down to the bridle, the bridle can be removed to extend the life of the brush. This does not affect the brushing behavior.

D [Inch]	D_S [Inch]	L_R [Inch]	L_T [Inch]	H [Inch]	Grit size	D_F [Inch]	D_S [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, silicon carbide SiC												
2	1/4	3/4	1-1/2	3	120	.040	1/4	1,500 – 3,500	5,000	1	79184252	84252
					320	.022	1/4	1,500 – 3,500	5,000	1	79184254	84254
2-1/2	1/4	3/4	1-1/2	3	320	.022	1/4	1,500 – 3,500	5,000	1	*79184259*	84259
3	1/4	3/4	1-1/2	3	80	.040	1/4	1,500 – 3,500	5,000	1	79184261	84261
					120	.040	1/4	1,500 – 3,500	5,000	1	*79184262*	84262
M-BRAD® nylon abrasive filament, ceramic oxide (CO)												
2	1/4	3/4	1-1/2	3	80	.045	1/4	1,500 – 3,500	5,000	1	*79184245*	84245
					120	.040	1/4	1,500 – 3,500	5,000	1	79184271	84271
3	1/4	3/4	1-1/2	3	80	.040	1/4	1,500 – 3,500	5,000	1	79184280	84280
Nylon plastic filament												
2	1/4	-	1-1/2	3	-	.016	1/4	1,500 – 3,500	5,000	1	79184267	84267

Discontinued product

Composite brushes
Shank-mounted end brushes, crimped



Shank-mounted, bridled

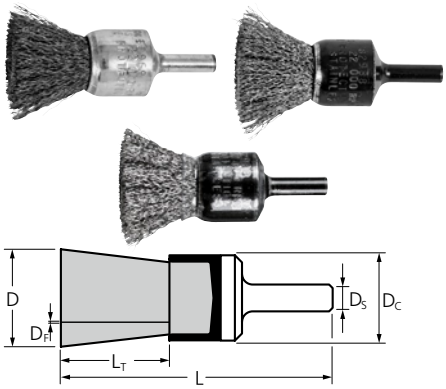
M-BRAD® nylon abrasive filament makes this brush ideal for aggressive deburring. Developed specially for deburring and surface conditioning using stationary machines. The removable bridle reduces filament flare for consistently aggressive deburring action.

Special features:

- Long tool life and aggressive brushing effect due to a very high filament density. Extremely smooth operation due to even distribution of the filament material.
- Optimal access to hard-to-reach areas such as boreholes and cavities by spreading the insert during rotation.
- If the filament has worn away down to the bridle, the bridle can be removed to extend the life of the brush. This does not affect the brushing behavior.

D [Inch]	D_C [Inch]	L_R [Inch]	L_T [Inch]	L [Inch]	Grit size	D_F [Inch]	D_S [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, ceramic oxide (CO)												
1	1-1/8	9/16	1-1/8	2-3/4	80	.045	1/4	1,500 – 3,500	5,000	1	79184240	84240
					120	.022	1/4	1,500 – 3,500	5,000	1	79184244	84244

Shank-mounted end brushes
Crimped



PBU, industrial use

Suitable for light brushing tasks such as deburring, cleaning, and derusting. Made with PFERD TOOLS special wire, characterized by high fatigue strength.

Special features:
- Optimal access to hard-to-reach areas such as drilled holes and cavities because the filaments spread out when rotating.
- Creates fine surfaces.

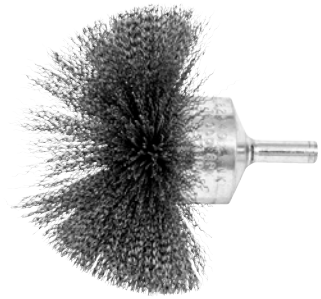
D [Inch]	D_C [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	L [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)										
1/2	3/4	1/4	1	.006	2-5/8	12,500 – 18,700	25,000	10	79182962	82962
				.010	2-5/8	12,500 – 18,700	25,000	10	79182964	82964
				.014	2-5/8	12,500 – 18,700	25,000	10	79182965	82965
				.020	2-5/8	12,500 – 18,700	25,000	5	79184771	82966P
								10	79182966	82966
3/4	1	1/4	1	.006	2-5/8	11,000 – 16,500	22,000	10	79182967	82967
				.010	2-5/8	11,000 – 16,500	22,000	10	79182969	82969
				.014	2-5/8	11,000 – 16,500	22,000	10	79182970	82970
				.020	2-5/8	11,000 – 16,500	22,000	5	79184777	82971P
								10	79182971	82971
1	1-1/4	1/4	1	.006	2-3/4	10,000 – 15,000	20,000	5	79184784	82972P
								10	79182972	82972
				.010	2-3/4	10,000 – 15,000	20,000	5	79152974	82974P
									79182974	82974
				.014	2-3/4	10,000 – 15,000	20,000	10	79182975	82975
				.020	2-3/4	10,000 – 15,000	20,000	5	79184786	82976P
								10	79182976	82976
Stainless steel wire (INOX) – These INOX brushes are degreased.										
1/2	3/4	1/4	1	.006	2-5/8	10,000 – 16,000	25,000	10	79182981	82981
				.010	2-5/8	10,000 – 16,000	25,000	10	79182983	82983
				.014	2-5/8	10,000 – 16,000	25,000	10	79182984	82984
				.020	2-5/8	10,000 – 16,000	25,000	10	79182985	82985
3/4	1	1/4	1	.006	2-5/8	8,500 – 14,000	22,000	5	79184778	82986P
								10	79182986	82986
				.010	2-5/8	8,500 – 14,000	22,000	10	79182988	82988
				.014	2-5/8	8,500 – 14,000	22,000	10	79182989	82989
				.020	2-5/8	8,500 – 14,000	22,000	10	79182990	82990
1	1-1/4	1/4	1	.006	2-3/4	8,000 – 13,000	20,000	5	79184787	82991P
								10	79182991	82991
				.010	2-3/4	8,000 – 13,000	20,000	5	79184788	82993P
								10	79182993	82993
				.014	2-3/4	8,000 – 13,000	20,000	10	79182994	82994

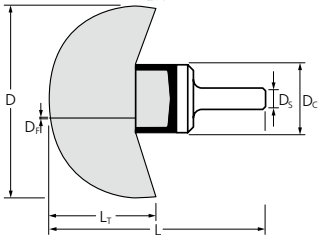
Continued on next page

Shank-mounted end brushes
Crimped

PFERD TOOLS

D [Inch]	D_C [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	L [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Stainless steel wire (INOX) – Coated cup. These INOX brushes are degreased.										
1/2	3/4	1/4	1	.006	2-5/8	10,000 – 16,000	25,000	10	79183050	83050
				.010	2-5/8	10,000 – 16,000	25,000	10	79183052	83052
3/4	1	1/4	1	.006	2-5/8	8,500 – 14,000	22,000	10	79183053	83053
				.010	2-5/8	8,500 – 14,000	22,000	10	79183055	83055
1	1-1/4	1/4	1	.006	2-3/4	8,000 – 13,000	20,000	10	79183056	83056
				.010	2-3/4	8,000 – 13,000	20,000	10	79183058	83058





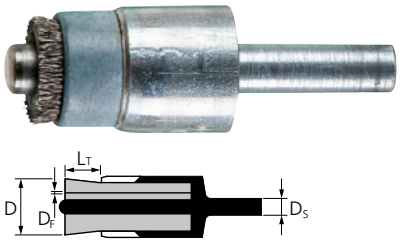
Circular end brushes

Excellent for light to medium-duty cleaning and deburring work on uneven surfaces.

Special features:
- Highly flexible, enabling optimal adjustment to the workpiece contour and less heat build-up.
- The special arrangement of the filament material means it can be used for face-side and radial brushwork at the same time.

D [Inch]	D_S [Inch]	D_F [Inch]	L [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)								
1-1/4	1/4	.008	2-1/4	10,000 – 15,000	20,000	10	79182926	82926
1-1/2	1/4	.008	2-2/7	7,000 – 10,500	14,000	10	79182927	82927
		.020	2-2/7	7,000 – 10,500	14,000	10	79182928	82928
2	1/4	.010	2-1/2	7,000 – 10,500	14,000	10	79182929	82929
		.014	2-1/2	7,000 – 10,500	14,000	10	79182930	82930
3	1/4	.008	2-1/2	7,000 – 10,500	14,000	10	79182932	82932
		.014	2-1/2	7,000 – 10,500	14,000	10	79182933	82933
		.020	2-1/2	7,000 – 10,500	14,000	10	79182934	82934
Stainless steel wire (INOX) – These INOX brushes are degreased.								
1-1/2	1/4	.008	2-1/4	5,500 – 9,000	14,000	10	79182935	82935
2	1/4	.010	2-1/2	5,500 – 9,000	14,000	10	79182936	82936
3	1/4	.008	2-1/2	5,500 – 9,000	14,000	10	79182938	82938

Shank-mounted end brushes
Crimped

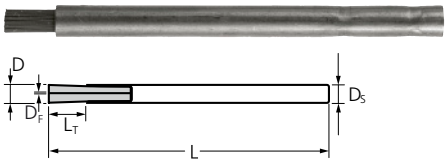


Pilot bonding brushes

Excellent for cleaning rivet holes in the aviation sector.

Special features:
- The centering pin enables precise brushing.
- Tailored to the standard diameters in the aviation industry.

D [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	L [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Stainless steel wire (INOX)									
1/2	1/4	1/8	.005	1-4/5	10,000 – 15,000	20,000	10	79183191	83191
				1-7/9	10,000 – 15,000	20,000	10	79183188	83188

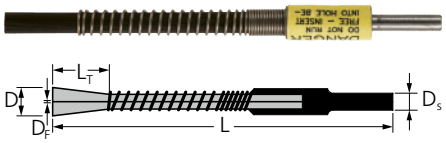


Pencil end brushes

For cleaning blind holes and small crevices.

Special features:
- The metal tube can be cut back before starting work in order to achieve a large spreading diameter or to access hard-to-reach areas.
- Cutting back the metal tube exposes the rest of the filament so that all of it can be used.
- Optimal access to hard-to-reach areas.

D [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	L [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
3/16	1/4	3/8	.010	3-1/2	4,000 – 6,000	8,000	10	79182941	82941
			.012	3-1/2	3,000 – 5,000	8,000	10	79182942	82942



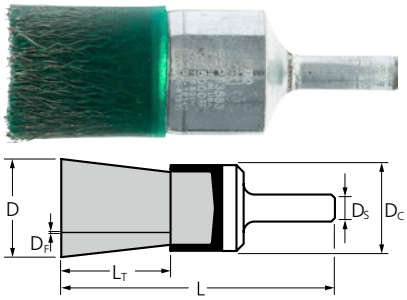
Coil spring brushes

For cleaning deep cavities, tubing, and more.

Special features:
- Particularly long trim length for optimal access to hard-to-reach areas.
- The diameter measurement (D) is the flared diameter of the brush while in-use. When stationary, the brush will have a smaller diameter than the listed measurement.

D [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	L [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
3/8	1/4	1	.014	6-1/4	700 – 1,000	1,800	10	79182943	82943
1/2	1/4	1	.014	6-1/4	700 – 1,000	1,800	10	79182944	82944

Shank-mounted end brushes
Crimped

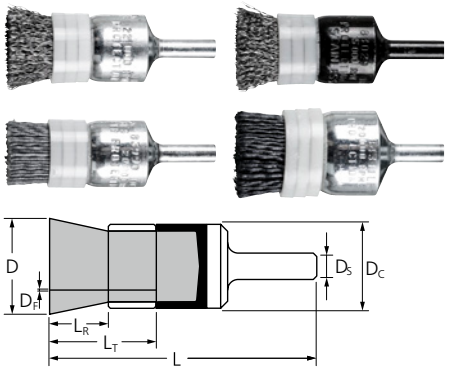


Crimped, ECAP® encapsulated

Extremely aggressive brushing action, ideal for heavy-duty brushing.

Special features:
- Precise handling due to high dimensional stability.
- Maximum service life as premature wire breakage is prevented.

D [Inch]	D_C [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	L [Inch]	ECAP® grade	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)											
1/2	5/8	1/4	7/8	.010	2-5/8	E3	9,000 – 13,500	18,000	10	79183580	83580
3/4	7/8	1/4	7/8	.010	2-5/8	E3	7,500 – 11,200	15,000	10	79183583	83583
1	1-1/8	1/4	7/8	.010	2-3/4	E4	6,500 – 10,000	13,000	10	79183596	83596



Crimped, bridled

Designed for light brushing such as deburring, cleaning and derusting. The removable bridle reduces filament flare for consistently aggressive deburring action.

Special features:
- Optimal access to hard-to-reach areas such as recesses and drilled holes.
- If the filament has worn away down to the bridle, it can be removed from the bridle for further use. This does not affect the brushing behavior.
- Creates fine surfaces.

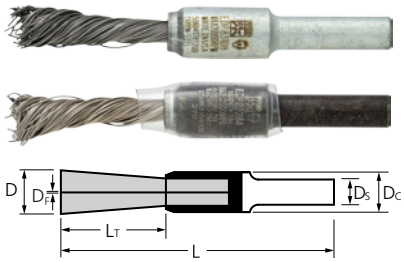
D [Inch]	D_C [Inch]	D_S [Inch]	L_R [Inch]	L_T [Inch]	L [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)												
1/2	5/8	1/4	1/2	1	2-5/8	-	.006	7,500 – 11,200	15,000	10	79183005	83005
							.010	7,500 – 11,200	15,000	10	79183007	83007
3/4	7/8	1/4	1/2	1	2-5/8	-	.006	7,500 – 11,200	15,000	10	79183010	83010
							.010	7,500 – 11,200	15,000	10	79183012	83012
1	1-1/8	1/4	1/2	1	2-3/4	-	.006	7,500 – 11,200	15,000	10	79183015	83015
							.010	7,500 – 11,200	15,000	10	79183017	83017
							.014	7,500 – 11,200	15,000	10	79183018	83018
Stainless steel wire (INOX) – These INOX brushes are degreased.												
1/2	5/8	1/4	1/2	1	2-5/8	-	.006	6,000 – 10,000	15,000	10	79183024	83024
							.010	6,000 – 10,000	15,000	10	79183026	83026
3/4	7/8	1/4	1/2	1	2-5/8	-	.006	6,000 – 10,000	15,000	10	79183027	83027
							.010	6,000 – 10,000	15,000	10	79183029	83029
1	1-1/8	1/4	1/2	1	2-3/4	-	.006	6,000 – 10,000	15,000	10	79183030	83030
							.010	6,000 – 10,000	15,000	10	79183032	83032

Continued on next page

Shank-mounted end brushes
Crimped

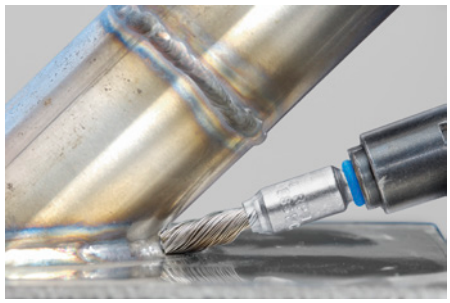
D [Inch]	D_C [Inch]	D_S [Inch]	L_R [Inch]	L_T [Inch]	L [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, silicon carbide SiC												
1/2	5/8	1/4	1/2	1	2-5/8	120	.040	5,200 – 9,000	20,000	10	79183996	83996
						320	.022	5,200 – 9,000	20,000	10	*79183988*	83988
3/4	7/8	1/4	1/2	1	2-5/8	120	.040	5,200 – 9,000	20,000	10	79184000	84000
						180	.035	5,200 – 9,000	20,000	10	79183990	83990
1	1-1/8	1/4	1/2	1	2-3/4	120	.040	5,200 – 9,000	20,000	10	*79184004*	84004
						320	.022	5,200 – 9,000	20,000	10	79183994	83994
M-BRAD® nylon abrasive filament, ceramic oxide (CO)												
1	1-1/8	1/4	1/2	1	2-3/4	80	.040	5,200 – 9,000	20,000	10	79184310	84310
						120	.040	5,200 – 9,000	20,000	10	79184311	84311

Knotted



SINGLETWIST®

Innovative and flexible single-knot brush for special applications.

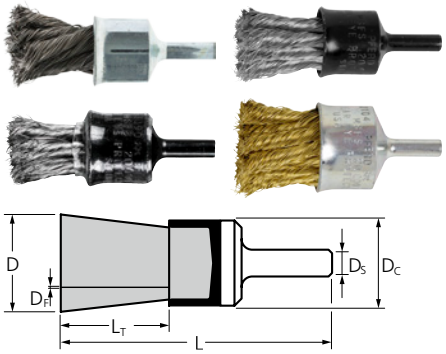


Special features:
- Optimal access to hard-to-reach areas such as inside corners, as the knot is less likely to unravel.

D [Inch]	D_C [Inch]	D_S [Inch]	L_T [Inch]	L [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)										
1/4	3/8	1/4	1-1/8	2-13/16	.006	2,500 – 10,000	20,000	10	79183107	83107
					.014	2,500 – 10,000	20,000	10	79183108	83108
					.020	2,500 – 10,000	20,000	10	79183109	83109
Stainless steel wire (INOX) – Coated cup. These INOX brushes are degreased.										
1/4	3/8	1/4	1-1/8	2-13/16	.006	2,500 – 10,000	20,000	10	79183283	83283
					.014	2,500 – 10,000	20,000	10	79183284	83284
					.020	2,500 – 10,000	20,000	10	79183285	83285

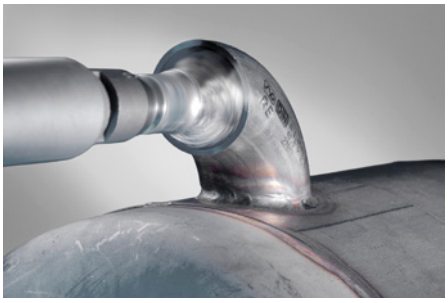
Discontinued product

Shank-mounted end brushes
Knotted



PBG, industrial use

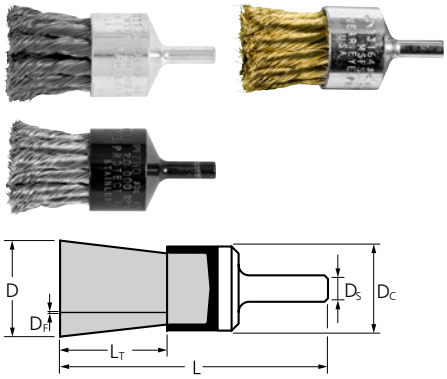
Aggressive-action brush. Suitable for medium-duty brushing tasks such as deburring, cleaning, derusting, and descaling, as well as for removing spatter. Made with PFERD TOOLS special wire, characterized by high fatigue strength.



Special features:
- Optimal access to hard-to-reach areas such as recesses and drilled holes.
- Aggressive brushing action due to tightly-twisted wire knots.

D [Inch]	D_C [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	L [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)											
1/2	3/4	1/4	1	.006	2-3/4	6	10,000 – 15,000	20,000	10	79183063	83063
				.010	2-3/4	6	10,000 – 15,000	20,000	10	79183064	83064
				.014	2-3/4	6	10,000 – 15,000	20,000	10	79183065	83065
3/4	7/8	1/4	1	.006	2-3/4	8	10,000 – 15,000	20,000	10	79183070	83070
				.010	2-3/4	8	10,000 – 15,000	20,000	10	79183071	83071
				.014	2-3/4	8	10,000 – 15,000	20,000	5	79184772	83072P
									10	79183072	83072
				.020	2-3/4	8	10,000 – 15,000	20,000	10	79183073	83073
1	1-1/8	1/4	1	.006	3	12	10,000 – 15,000	20,000	10	79183077	83077
				.010	2-3/4	12	10,000 – 15,000	20,000	10	79183078	83078
				.014	2-3/4	12	10,000 – 15,000	20,000	5	79184780	83079P
				.020	2-3/4	12	10,000 – 15,000	20,000	10	79183080	83080
									5	79184781	83080P
				.014	2-3/4	12	10,000 – 15,000	20,000	10	79183079	83079
Stainless steel wire (INOX) – These INOX brushes are degreased.											
1/2	3/4	1/4	1	.014	2-3/4	6	8,000 – 13,000	20,000	10	79183087	83087
3/4	7/8	1/4	1	.006	2-3/4	8	8,000 – 13,000	20,000	10	79183090	83090
				.010	2-3/4	8	8,000 – 13,000	20,000	10	79183091	83091
				.014	2-3/4	8	8,000 – 13,000	20,000	10	79183092	83092
				.020	2-3/4	8	8,000 – 13,000	20,000	10	79183093	83093
1	1-1/8	1/4	1	.006	2-3/4	12	8,000 – 13,000	20,000	10	79183096	83096
				.010	2-3/4	12	8,000 – 13,000	20,000	10	79183097	83097
				.014	2-3/4	12	8,000 – 13,000	20,000	10	79183098	83098
									5	79184783	83098P
				.020	2-3/4	12	8,000 – 13,000	20,000	10	79183099	83099
Stainless steel wire (INOX) – Coated cup. These INOX brushes are degreased.											
3/4	7/8	1/4	1	.006	2-3/4	8	8,000 – 13,000	20,000	10	79183178	83178
1	1-1/8	1/4	1	.010	2-3/4	12	8,000 – 13,000	20,000	10	79183183	83183
				.014	2-3/4	12	8,000 – 13,000	20,000	10	79183184	83184
Brass wire											
1	1-1/8	1/4	1	.014	2-3/4	12	8,000 – 13,000	20,000	10	79183104	83104

Shank-mounted end brushes
Knotted



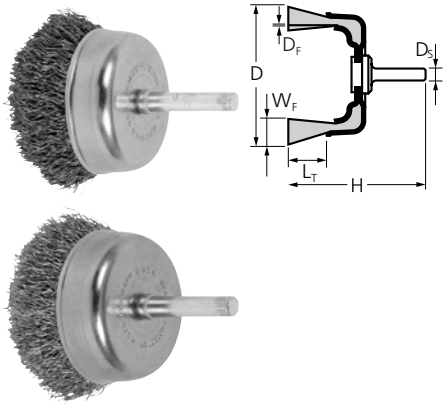
Straight cup

Aggressive brush. Designed for medium-duty brushing such as deburring, cleaning, derusting and descaling, as well as removing spatter.

Special features:
- Aggressive brushing action due to tightly-twisted wire knots.
- Optimal access to hard-to-reach areas such as recesses and drilled holes.
- Reduced flare for more precise surface contact.

D [Inch]	D_C [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	L [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)											
1/2	5/8	1/4	1-1/8	.010	2-3/4	6	10,000 – 15,000	20,000	10	79183124	83124
				.014	2-3/4	6	10,000 – 15,000	20,000	10	79183125	83125
3/4	7/8	1/4	1-1/8	.010	2-3/4	8	10,000 – 15,000	20,000	10	79183131	83131
				.014	2-3/4	8	10,000 – 15,000	20,000	10	79183132	83132
				.020	2-3/4	8	10,000 – 15,000	20,000	10	79183133	83133
1	1-1/8	1/4	1-1/8	.010	2-3/4	12	10,000 – 15,000	20,000	5	79153138	83138P
										79183138	83138
				.014	2-3/4	12	10,000 – 15,000	20,000	10	79183139	83139
				.020	2-3/4	12	10,000 – 15,000	20,000	10	79183140	83140
Stainless steel wire (INOX) – These INOX brushes are degreased.											
1/2	5/8	1/4	1-1/8	.014	2-3/4	6	8,000 – 13,000	20,000	10	79183147	83147
3/4	7/8	1/4	1-1/8	.010	2-3/4	8	8,000 – 13,000	20,000	10	79183151	83151
				.014	2-3/4	8	8,000 – 13,000	20,000	10	79183152	83152
				.020	2-3/4	8	8,000 – 13,000	20,000	10	79183153	83153
1	1-1/8	1/4	1-1/8	.010	2-3/4	12	8,000 – 13,000	20,000	10	79183157	83157
				.014	2-3/4	12	8,000 – 13,000	20,000	10	79183158	83158
				.020	2-3/4	12	8,000 – 13,000	20,000	10	79183159	83159
Brass wire											
1	1-1/8	1/4	1	.014	2-3/4	12	8,000 – 13,000	20,000	10	79183164	83164

Shank-mounted cup brushes
Crimped



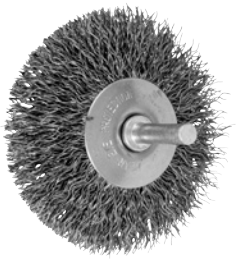
TBU, industrial use

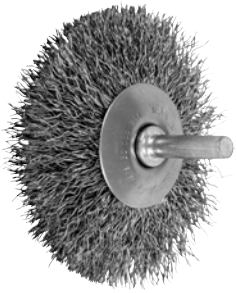
Universally applicable for cleaning, derusting, and smoothing, as well as for removing corrosion and paint. Due to its end-on application using the entire brush surface, it is particularly suitable for brushing work on large, flat, and easily accessible surfaces. Made with PFERD TOOLS special wire, characterized by high fatigue strength.

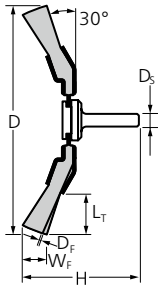
Special features:
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Creates fine surfaces.

D [Inch]	W_F [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	H [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)										
1-1/4	1-3/8	1/4	1	.014	3	6,500 – 10,000	13,000	10	79182820	82820
				.020	3	6,500 – 10,000	13,000	10	79182821	82821
1-3/4	1/2	1/4	11/16	.006	2-3/4	6,500 – 10,000	13,000	10	79182822	82822
				.012	2-3/4	6,500 – 10,000	13,000	10	79182823	82823
								5	79184818	82823P
2	1/2	1/4	7/8	.008	2-3/4	6,500 – 10,000	13,000	10	79182824	82824
				.012	2-3/4	6,500 – 10,000	13,000	10	79182826	82826
								5	79184819	82826P
2-1/2	3/8	1/4	7/8	.008	2-3/4	6,500 – 10,000	13,000	10	79182828	82828
				.012	2-3/4	6,500 – 10,000	13,000	10	79182830	82830
								5	79184820	82830P
Stainless steel wire (INOX)										
1-3/4	1/2	1/4	11/16	.012	2-3/4	5,000 – 8,500	13,000	10	79182836	82836
2	1/2	1/4	7/8	.010	2-3/4	5,000 – 8,500	13,000	10	79182838	82838

Shank-mounted bevel brushes
Crimped







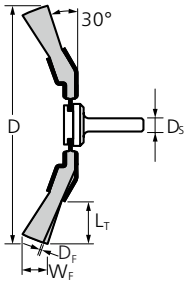
Crimped

Excellent for medium-duty brushing such as deburring, cleaning, and derusting.

Special features:
- Ideal for cleaning narrow or hard-to-reach areas such as grooves, fillets, and inside edges.
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Creates fine surfaces.

D [Inch]	W_F [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	H [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)										
1-1/2	1/8	1/4	5/16	.012	1-5/9	10,000 – 15,000	20,000	5	79184813	82852P
								10	79182852	82852
2	3/8	1/4	7/16	.008	1-2/3	10,000 – 15,000	20,000	10	79182854	82854
				.014	1-2/3	10,000 – 15,000	20,000	5	79184814	82878P
								10	79182878	82878
				.020	1-2/3	10,000 – 15,000	20,000	10	79182879	82879
2-1/2	3/8	1/4	11/16	.006	1-3/4	10,000 – 15,000	20,000	10	79182857	82857
				.014	1-3/4	10,000 – 15,000	20,000	10	79182859	82859
3	3/8	1/4	7/8	.006	1-3/4	10,000 – 15,000	20,000	10	79182861	82861
				.008	1-3/4	10,000 – 15,000	20,000	10	79182862	82862
				.014	1-3/4	10,000 – 15,000	20,000	5	79184816	82863P
								10	79182863	82863
4	1/2	1/4	1-3/8	.008	1-3/4	10,000 – 15,000	20,000	10	79182866	82866
				.014	1-3/4	10,000 – 15,000	20,000	10	79182867	82867
Stainless steel wire (INOX)										
1-1/2	1/8	1/4	5/16	.006	1-5/9	8,000 – 13,000	20,000	10	79182870	82870
2-1/2	3/8	1/4	11/16	.014	1-3/4	8,000 – 13,000	20,000	10	79182875	82875
3	3/8	1/4	7/8	.006	1-3/4	8,000 – 13,000	20,000	10	79182876	82876
				.014	1-3/4	8,000 – 13,000	20,000	10	79182877	82877

Shank-mounted bevel brushes
Crimped



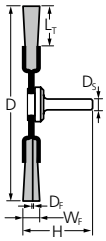
Crimped, ECAP® encapsulated

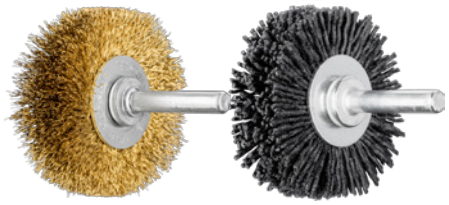
Extremely aggressive brushing action, ideal for heavy-duty brushing.

Special features:
- Maximum service life as premature wire breakage is prevented.
- Precise handling due to high dimensional stability.

D [Inch]	W_F [Inch]	D_S [Inch]	L_T [Inch]	ECAP® grade	D_F [Inch]	H [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)											
2	1/4	1/4	7/16	E3	.020	2-3/4	8,500 – 12,700	17,000	10	79183602	83602

Shank-mounted wheel brushes
Crimped





RBU, industrial use

Universally applicable for cleaning, derusting, smoothing, and polishing weld seams, as well as for light deburring and removing corrosion and paint. With PFERD TOOLS special wire, characterized by high fatigue strength.

Special features:
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Creates fine surfaces.

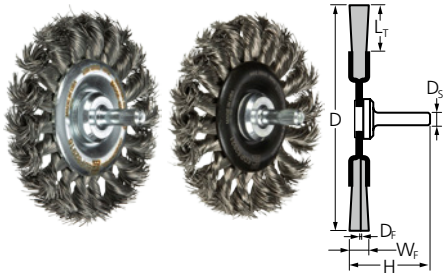
D [Inch]	W_F [Inch]	D_S [Inch]	L_T [Inch]	Grit size	D_F [Inch]	H [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)											
1-1/2	1/4	1/4	7/16	-	.006	1-1/4	10,000 – 15,000	20,000	10	79182890	82890
					.012	1-1/4	10,000 – 15,000	20,000	10	79182892	82892
					.020	1-1/4	10,000 – 15,000	20,000	10	79182889	82889
2	3/8	1/4	1/2	-	.008	1-3/8	10,000 – 15,000	20,000	10	79182893	82893
					.012	1-3/8	10,000 – 15,000	20,000	10	79182894	82894
	5/8	1/4	1/2	-	.008	1-8/9	8,000 – 11,000	15,000	10	79182902	82902
2-1/2	1/2	1/4	3/4	-	.014	1-1/3	10,000 – 15,000	20,000	10	79182896	82896
3	5/8	1/4	3/4	-	.012	1-6/7	6,000 – 9,000	12,000	10	79182903	82903
			1	-	.006	1-3/8	8,000 – 11,000	15,000	10	79182897	82897
					.008	1-3/8	8,000 – 11,000	15,000	10	79182898	82898
					.012	1-3/8	8,000 – 11,000	15,000	10	79182899	82899
					.014	1-3/8	8,000 – 11,000	15,000	10	79182900	82900
					.020	1-3/8	8,000 – 11,000	15,000	10	79182901	82901
Stainless steel wire (INOX)											
1-1/2	1/4	1/4	7/16	-	.006	1-1/4	8,000 – 13,000	20,000	10	79182905	82905
					.012	1-1/4	8,000 – 13,000	20,000	10	79182906	82906
2	3/8	1/4	1/2	-	.008	1-3/8	8,000 – 13,000	20,000	10	79182907	82907
					.012	1-3/8	8,000 – 13,000	20,000	10	79182908	82908
	5/8	1/4	1/2	-	.008	1-8/9	8,000 – 13,000	20,000	10	79182951	82951
2-1/2	1/2	1/4	3/4	-	.008	1-1/3	8,000 – 13,000	20,000	10	79182909	82909
					.012	1-1/3	8,000 – 13,000	20,000	10	79182910	82910
3	5/8	1/4	3/4	-	.012	1-6/7	6,000 – 9,000	12,000	10	79182952	82952
			1	-	.006	1-3/8	6,000 – 9,000	12,000	10	79182911	82911
					.008	1-3/8	6,000 – 9,000	12,000	10	79182912	82912
					.014	1-3/8	6,000 – 9,000	12,000	10	79182913	82913
Brass wire											
2	5/8	1/4	1/2	-	.008	1-6/7	8,000 – 11,000	15,000	10	79182953	82953
3	5/8	1/4	3/4	-	.012	1-6/7	6,000 – 9,000	12,000	10	79182954	82954
			1	-	.014	1-2/5	6,000 – 9,000	12,000	10	79182914	82914

Continued on next page

Shank-mounted wheel brushes
Crimped

D [Inch]	W_F [Inch]	D_S [Inch]	L_T [Inch]	Grit size	D_F [Inch]	H [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, ceramic oxide (CO)											
2	5/8	1/4	1/2	80	.040	2	6,000 – 9,800	15,000	10	79184202	84202
				120	.022	2	6,000 – 9,800	15,000	10	79184200	84200
					.040	2	6,000 – 9,800	15,000	10	79184201	84201
3	1/4	1/4	3/4	80	.040	1-4/5	4,800 – 7,800	12,000	10	79184208	84208
	5/8	1/4	3/4	80	.040	2	4,800 – 7,800	12,000	10	79184207	84207
				120	.022	2	4,800 – 7,800	12,000	10	79184205	84205

Knotted



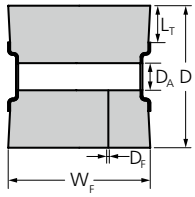
RBG, industrial use

Aggressive brush for cleaning, derusting, and work on weld seams. Made with PFERD TOOLS special wire, characterized by high fatigue strength.

Special features:
- Optimal access to hard-to-reach areas such as grooves and recesses.
- Aggressive brushing action due to tightly-twisted wire knots.

D [Inch]	W_F [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	H [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)											
3	7/16	1/4	3/4	.012	1-1/4	18	12,500 – 18,700	25,000	10	79182915	82915
				.014	1-1/4	18	12,500 – 18,700	25,000	10	79182916	82916
				.020	1-1/4	18	12,500 – 18,700	25,000	10	79182917	82917
3-1/4	1/2	1/4	3/4	.014	1-1/4	20	12,500 – 18,700	25,000	10	79182946	82946
				.020	1-1/4	20	12,500 – 18,700	25,000	10	79182947	82947
4	5/8	1/4	3/4	.014	1-1/4	22	12,500 – 18,700	25,000	10	79182919	82919
				.020	1-1/4	22	12,500 – 18,700	25,000	10	79182920	82920
Stainless steel wire (INOX)											
3	7/16	1/4	3/4	.014	1-1/4	18	10,000 – 16,000	25,000	10	79182921	82921
3-1/4	1/2	1/4	3/4	.014	1-1/4	20	10,000 – 16,000	25,000	10	79182948	82948
4	5/8	1/4	3/4	.014	1-1/4	22	10,000 – 16,000	25,000	10	79182922	82922

Drum brushes
Crimped

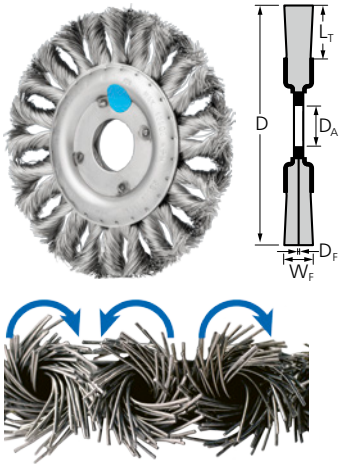


Drum brushes

Excellent for surface structuring work on large workpieces.

Special features:
- Can be used on all standard satin finishing machines thanks to the bore with four keyways.
- Creates fine surfaces.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A [Inch]	Grit size	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Brass-plated steel wire (LIT STM) – LIT STM = stranded steel wire, brass-plated										
4	4	1	3/4	-	.050	3,000 – 4,500	6,000	1	43509001	81330
Stainless steel wire (INOX)										
4	4	1	3/4	-	.008	2,400 – 3,900	6,000	1	43509003	81331
M-BRAD® nylon abrasive filament, silicon carbide SiC										
4	4	1	3/4	80	.050	2,400 – 3,900	6,000	1	43509005	81332

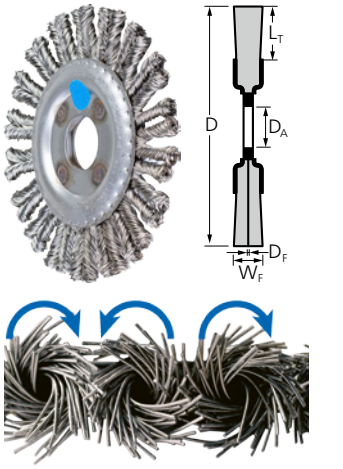


Full cable twist, COMBITWIST®

Very aggressive brush for heavy-duty brushing. Specially developed for work on stainless steel (INOX). Designed for work on corners and edges as the knots are less likely to unravel.

Special features:
- Maximum protection against corrosion as all components are produced from stainless steel (INOX) of quality 1.4310/1.4301 (V2A). Particularly well-suited to use in extremely critical environments.
- Maximum economic efficiency due to maximum tool life and stock removal rate and high level of comfort thanks to smooth running with no brush recoiling.
- Aggressive brushing action due to tightly-twisted wire knots.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Stainless steel wire (INOX) – These INOX brushes are degreased.										
4-1/2	1/2	7/8	7/8	.014	24	5,000 – 12,500	12,500	1	43300042	82741



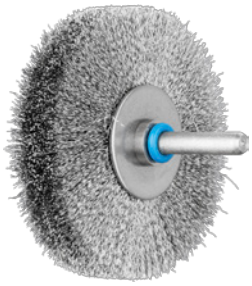
Stringer bead twist, COMBITWIST®

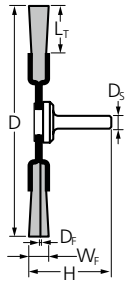
Brush that has been specially developed for work on stainless steel (INOX). Perfect for heavy-duty brushing in pipeline and container construction. Designed for work on corners and edges as the knots are less likely to unravel.

Special features:
- Maximum protection against corrosion as all components are produced from stainless steel (INOX) of quality 1.4310/1.4301 (V2A). Particularly well-suited to use in extremely critical environments.
- Extra-slim design allows access to hard-to-reach areas such as root weld seams.
- Maximum economic efficiency due to maximum tool life and stock removal rate and high level of comfort thanks to smooth running with no brush recoiling.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Stainless steel wire (INOX) – These INOX brushes are degreased.										
4-1/2	3/16	7/8	7/8	.014	36	5,000 – 12,500	12,500	1	43300032	82742

INOX-TOTAL
Shank-mounted wheel brushes



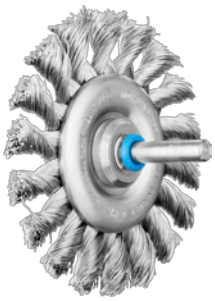


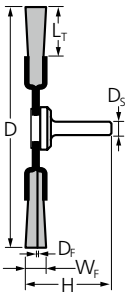
Crimped

Designed for cleaning, deburring and removal of heat discoloration. Specially developed for work on stainless steel (INOX).

Special features:
- Maximum protection against corrosion as all components are produced from stainless steel (INOX) of quality 1.4310/1.4301 (V2A). Particularly well-suited to use in extremely critical environments.
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Creates fine surfaces.

D [Inch]	W_F [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	H [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Stainless steel wire (INOX) – These INOX brushes are degreased.										
2	5/8	1/4	3/4	.008	2	6,000 – 9,000	12,000	10	79182744	82744





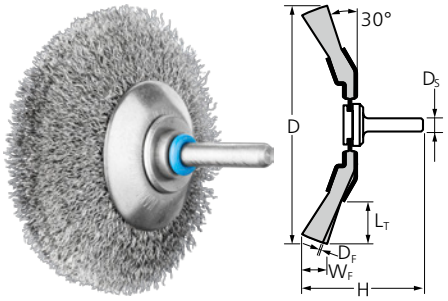
Knotted, standard twist

Designed for cleaning, deburring and removal of heat discoloration. Specially developed for work on stainless steel (INOX).

Special features:
- Maximum protection against corrosion as all components are produced from stainless steel (INOX) of quality 1.4310/1.4301 (V2A). Particularly well-suited to use in extremely critical environments.
- Aggressive brushing action due to tightly-twisted wire knots.

D [Inch]	W_F [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	Knots	H [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Stainless steel wire (INOX) – These INOX brushes are degreased.											
3	1/4	1/4	3/4	.014	18	1-21/32	10,000 – 16,300	25,000	10	43100252	82743

INOX-TOTAL
Shank-mounted bevel brushes



Crimped

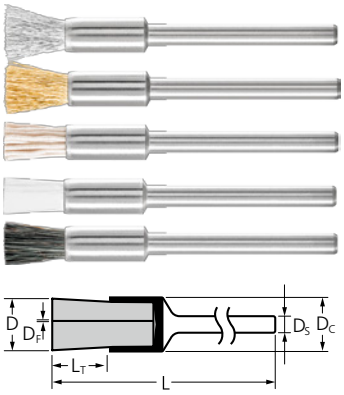
Excellent for medium-duty brushing such as deburring, cleaning, and removal of heat discolouration. Specially developed for work on stainless steel (INOX).

Special features:

- Maximum protection against corrosion as all components are produced from stainless steel (INOX) of quality 1.4310/1.4301 (V2A). Particularly well-suited to use in extremely critical environments.
- Ideal for cleaning narrow or hard-to-reach areas such as grooves, fillets, and inside edges.
- Highly flexible, enabling optimal adjustment to the workpiece contour. Creates fine surfaces.

D [Inch]	W_F [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	H [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Stainless steel wire (INOX) – These INOX brushes are degreased.										
2-3/4	3/8	1/4	5/8	.008	5/8	6,000 – 9,000	12,000	10	79182745	82745

Miniature brushes
End brushes, crimped



Crimped

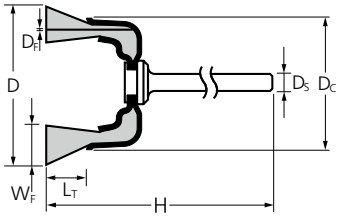
Designed for light brushing such as deburring, cleaning and polishing. Miniature brushes can be used on flexible shaft drives, micro motors or electric grinders.

Special features:

- Maximum precision and efficiency on delicate workpieces.
- Optimal access to hard-to-reach areas such as boreholes and cavities by spreading the insert during rotation.
- Creates fine surfaces.

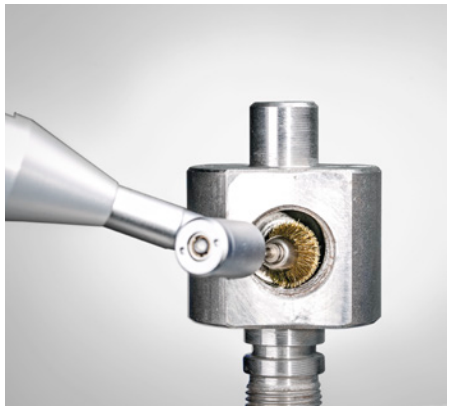
D [Inch]	D_C [Inch]	D_S [Inch]	L_T [Inch]	Grit size	D_F [Inch]	L [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)											
1/4	1/4	1/8	7/16	-	.005	1-3/4	5,000 – 15,000	25,000	36	79183257	83257
5/16	5/16	1/8	1/2	-	.005	1-3/4	5,000 – 15,000	25,000	36	79183258	83258
Stainless steel wire (INOX)											
1/4	1/4	1/8	7/16	-	.005	1-3/4	4,500 – 12,500	25,000	36	79183262	83262
5/16	5/16	1/8	1/2	-	.005	1-3/4	4,500 – 12,500	25,000	36	79183263	83263
Brass wire											
1/4	1/4	1/8	7/16	-	.005	1-3/4	3,000 – 10,000	25,000	36	79183267	83267
M-BRAD® nylon abrasive filament, aluminum oxide A											
3/16	1/4	1/8	5/16	600	.012	1-3/4	1,200 – 5,000	6,000	36	79183270	83270
Natural bristles, black Tampico											
1/4	1/4	1/8	7/16	-	-	1-3/4	5,000 – 10,000	25,000	36	79183279	83279

Miniature brushes
Cup brushes, crimped



Crimped

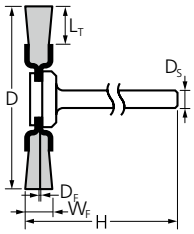
Ideal for brushing uneven surfaces. Used for light to medium duty brushing action such as removal of light scale, dirt, rust, corrosion, and light burrs. These brushes can be used on flexible shaft drives, micro motors or electric grinders.



Special features:
- Maximum precision and efficiency on delicate workpieces.
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Creates fine surfaces.

D [Inch]	D_C [Inch]	D_S [Inch]	W_F [Inch]	L_T [Inch]	Grit size	D_F [Inch]	H [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)												
9/16	3/8	1/8	1/8	1/4	-	.005	1-3/4	5,000 – 15,000	25,000	36	79183236	83236
Stainless steel wire (INOX)												
9/16	3/8	1/8	1/8	1/4	-	.005	1-3/4	4,500 – 12,500	25,000	36	79183240	83240
M-BRAD® nylon abrasive filament, aluminum oxide A												
9/16	3/8	1/8	1/8	1/4	600	.012	1-3/4	1,200 – 4,000	6,000	36	79183247	83247

Miniature brushes
Wheel brushes, crimped



Crimped

Designed for light brushing such as deburring, cleaning and polishing. Miniature brushes can be used on flexible shaft drives, micro motors or electric grinders.

Special features:
- Maximum precision and efficiency on delicate workpieces.
- Precise handling in hard-to-reach areas.
- Creates fine surfaces.

D [Inch]	W_F [Inch]	D_S [Inch]	L_T [Inch]	Grit size	D_F [Inch]	H [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)											
3/4	1/16	1/8	3/16	-	.005	1-13/16	5,000 – 15,000	25,000	36	79183202	83202
1	1/16	1/8	1/4	-	.005	1-13/16	5,000 – 15,000	25,000	36	79183204	83204
1-1/2	1/16	1/8	1/2	-	.005	1-13/16	5,000 – 15,000	25,000	36	79183206	83206
Stainless steel wire (INOX)											
3/4	1/16	1/8	3/16	-	.005	1-13/16	4,500 – 12,500	25,000	36	79183210	83210
1	1/16	1/8	1/4	-	.005	1-13/16	4,500 – 12,500	25,000	36	79183212	83212
1-1/2	1/16	1/8	1/2	-	.005	1-13/16	4,500 – 12,500	25,000	36	79183213	83213
Brass wire											
1	1/16	1/8	1/4	-	.005	1-13/16	3,000 – 10,000	25,000	36	79183218	83218
M-BRAD® nylon abrasive filament, aluminum oxide A											
3/4	1/16	1/8	3/16	600	.012	1-13/16	1,200 – 4,000	6,000	36	79183221	83221
1	1/16	1/8	1/4	600	.012	1-13/16	1,200 – 4,000	6,000	36	79183223	83223
Natural bristles, black Tampico											
3/4	1/16	1/8	3/16	-	-	1-13/16	5,000 – 10,000	25,000	36	*79183231*	83231

Discontinued product

Miniature brushes
Miniature Brush Set - 15 Pieces

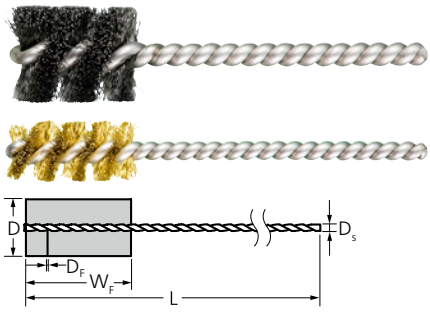
Miniature Brush Set - 15 Pieces

PFERD TOOLS shank-mounted miniature brushes are ideal for precision applications in a variety of industries including jewellery, electronics, medical and aerospace. All brushes are suitable for use with a flexible shaft drive, straight grinders and a micro motor system.

Special features:

- Selection of the most common versions.
- All brushes have a 1/8" shank.
- Maximum precision and efficiency when working on delicate workpieces.

	Item no.	EDP no.
1	79182955	82955



Single stem, single spiral

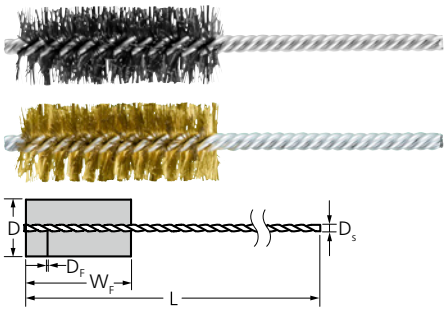
For light cleaning and deburring work on threaded holes or recesses, e.g. keyways.

Special features:
- Highly flexible, enabling optimal adjustment to the workpiece contour. Longer service life due to the design of the stem.
- In tube brushes with a short eyelet, the filament reaches up to the tip of the brush.
- The bent end of the wire does not have any sharp edges, which prevents delicate surfaces from getting scratched.

D [Inch]	W_F [Inch]	D_S [Inch]	D_F [Inch]	L [Inch]	Max. RPM		Item no.	EDP no.
Steel wire (ST)								
1/4	1	1/8	.005	3-1/2	2,500	36	79183351	83351
5/16	1	1/8	.005	3-1/2	2,500	36	79183352	83352
3/8	1	5/32	.005	3-1/2	2,500	36	79183354	83354
			.008	3-1/2	2,500	36	79183356	83356
1/2	1	5/32	.005	3-1/2	2,500	36	79183358	83358
9/16	1	5/32	.005	3-1/2	2,500	36	79183359	83359
5/8	1	5/32	.005	3-1/2	2,500	36	79183360	83360
			.008	3-1/2	2,500	36	79183361	83361
3/4	1	1/4	.005	3-1/2	2,500	36	79183363	83363
13/16	1	1/4	.005	3-1/2	2,500	36	79183366	83366
7/8	1	1/4	.005	3-1/2	2,500	36	79183367	83367
1	1	1/4	.005	3-1/2	2,500	36	79183371	83371
			.008	3-1/2	2,500	36	79183372	83372
1-1/8	1	1/4	.005	3-1/2	2,500	36	79183373	83373
			.008	3-1/2	2,500	36	79183374	83374
1-1/4	1	1/4	.005	3-1/2	2,500	36	79183375	83375
			.008	3-1/2	2,500	36	79183376	83376
1-1/2	1	1/4	.008	3-1/2	2,500	36	79183377	83377
2-1/4	1	1/4	.008	3-1/2	2,500	36	79183379	83379
Stainless steel wire (INOX)								
1/4	1	1/8	.005	3-1/2	2,500	36	79183387	83387
3/8	1	5/32	.005	3-1/2	2,500	36	79183389	83389
7/16	1	1/8	.005	3-1/2	2,500	36	79183391	83391
1/2	1	5/32	.005	3-1/2	2,500	36	79183392	83392
9/16	1	5/32	.005	3-1/2	2,500	36	79183393	83393
5/8	1	5/32	.005	3-1/2	2,500	36	79183395	83395
11/16	1	5/32	.005	3-1/2	2,500	36	79183396	83396
3/4	1	1/4	.005	3-1/2	2,500	36	79183397	83397
13/16	1	1/4	.005	3-1/2	2,500	36	79183399	83399
7/8	1	1/4	.005	3-1/2	2,500	36	79183400	83400
1	1	1/4	.005	3-1/2	2,500	36	79183402	83402
			.008	3-1/2	2,500	36	79183403	83403
1-1/4	1	1/4	.005	3-1/2	2,500	36	79183406	83406
			.008	3-1/2	2,500	36	79183407	83407

Continued on next page

D [Inch]	W_F [Inch]	D_S [Inch]	D_F [Inch]	L [Inch]	Max. RPM		Item no.	EDP no.
Brass wire								
1/4	1	1/8	.005	3-1/2	2,500	36	*79183411*	83411
3/8	1	5/32	.005	3-1/2	2,500	36	79183412	83412
1/2	1	5/32	.005	3-1/2	2,500	36	79183413	83413
1	1	1/4	.008	3-1/2	2,500	36	79183417	83417



Double stem, double spiral

The high-performance tube brush is highly designed for deburring cross holes and for cleaning threads.

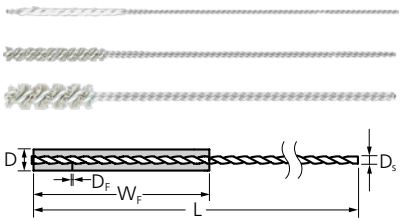
Special features:
- Long tool life due to high filament density and double spirals.

D [Inch]	W_F [Inch]	D_S [Inch]	D_F [Inch]	L [Inch]	Max. RPM		Item no.	EDP no.
Steel wire (ST)								
1/4	2	5/32	.006	6	2,500	10	79183420	83420
3/8	2	5/32	.006	6	2,500	10	79183422	83422
1/2	2	5/32	.004	6	2,500	10	79183423	83423
			.006	6	2,500	10	79183424	83424
			.010	6	2,500	10	79183425	83425
5/8	2	5/32	.008	6	2,500	10	79183427	83427
			.010	6	2,500	10	79183428	83428
3/4	2-1/2	1/4	.006	5-1/2	2,500	10	79183430	83430
			.010	5-1/2	2,500	10	79183432	83432
7/8	2-1/2	1/4	.006	5-1/2	2,500	10	79183434	83434
			.010	5-1/2	2,500	10	79183435	83435
1	2-1/2	1/4	.006	5-1/2	2,500	10	79183436	83436
			.010	5-1/2	2,500	10	79183437	83437
1-1/4	2-1/2	1/4	.006	5-1/2	2,500	10	79183438	83438
			.010	5-1/2	2,500	10	79183439	83439
Stainless steel wire (INOX)								
1/2	2	5/32	.004	6	2,500	10	79183440	83440
			.006	6	2,500	10	79183441	83441
5/8	2	5/32	.008	6	2,500	10	79183443	83443
3/4	2-1/2	1/4	.006	5-1/2	2,500	10	79183445	83445
			.010	5-1/2	2,500	10	79183446	83446
7/8	2-1/2	1/4	.006	5-1/2	2,500	10	79183447	83447
			.010	5-1/2	2,500	10	79183448	83448
1	2-1/2	1/4	.006	5-1/2	2,500	10	79183449	83449
			.010	5-1/2	2,500	10	79183450	83450

Continued on next page

Discontinued product

D [Inch]	W_F [Inch]	D_S [Inch]	D_F [Inch]	L [Inch]	Max. RPM		Item no.	EDP no.
Brass wire								
3/4	2-1/2	1/4	.006	5-1/2	2,500	10	79183461	83461
7/8	2-1/2	1/4	.006	5-1/2	2,500	10	79183462	83462
1	2-1/2	1/4	.006	5-1/2	2,500	10	79183463	83463

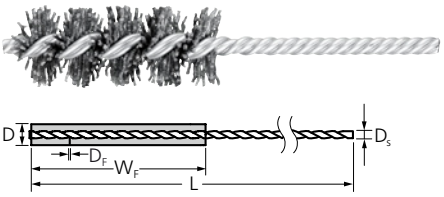


Microabrasive tube brushes

For light deburring and cleaning of holes and cross holes and for work on surfaces. With tube brushes with a short eyelet, the filament reaches up to the tip of the brush.

Special features:
- Highly flexible, enabling optimal adjustment to the workpiece contour. Creates fine surfaces.
- Enable maximum precision and efficiency in work on delicate workpieces. The dimensional accuracy of the workpieces remains unchanged.
- The bent end of the wire does not have any sharp edges, which prevents delicate surfaces from getting scratched.

D [Inch]	W_F [Inch]	D_S [Inch]	Grit size	D_F [Inch]	L [Inch]	Grit size	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, aluminum silicate										
0.03	1/2	0.015	2000	.006	4	2000	1,000	10	79184071	84071
0.05	1/2	0.022	2000	.006	4	2000	1,000	10	79184072	84072
0.075	3/4	0.033	2000	.006	4	2000	1,000	10	79184073	84073
0.09	3/4	0.041	2000	.006	4	2000	1,000	10	79184074	84074
0.105	1	0.041	2000	.006	4	2000	1,000	10	79184075	84075
0.125	1	0.064	2000	.006	4	2000	1,000	10	79184076	84076
0.135	1	0.075	2000	.006	4	2000	1,000	10	79184077	84077
M-BRAD® nylon abrasive filament, aluminum oxide										
0.165	1	0.087	600	.006	5	600	1,000	10	79184078	84078
0.19	1	0.087	600	.006	5	600	1,000	10	79184079	84079
0.26	1	0.115	600	.006	5	600	1,000	10	79184080	84080
0.325	1	0.115	600	.006	5	600	1,000	10	79184081	84081
0.385	1	0.147	600	.006	5	600	1,000	10	79184082	84082
0.515	1	0.168	600	.006	5	600	1,000	10	79184083	84083
0.64	1	0.168	600	.006	5	600	1,000	10	79184084	84084

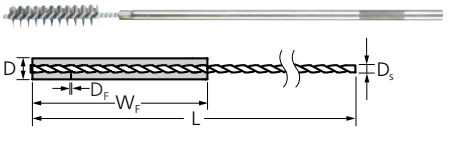


Double stem, single spiral

High-performance tube brush for deburring and cleaning threads, holes and cross holes.

Special features:
- Highly flexible, enabling optimal adjustment to the workpiece contour and less heat build-up.
- The dimensional accuracy of the workpieces remains unchanged.

D [Inch]	W_F [Inch]	D_S [Inch]	Grit size	D_F [Inch]	L [Inch]	Grit size	Max. RPM		Item no.	EDP no.
M-BRAD® nylon abrasive filament, silicon carbide SiC										
1/4	2	5/32	320	.022	5	320	1,500	10	79184011	84011
5/16	2	5/32	320	.022	5	320	1,500	10	79184012	84012
3/8	2	5/32	320	.022	5	320	1,500	10	79184013	84013
7/16	2	5/32	320	.022	5	320	1,500	10	79184014	84014
1/2	2	3/16	320	.022	5	320	1,500	10	79184018	84018
5/8	2	7/32	320	.022	5	320	1,500	10	79184022	84022
3/4	2-1/2	1/4	320	.022	5-1/2	320	1,500	10	79184027	84027
			120	.040	5-1/2	120	1,500	10	79184025	84025
			80	.040	5-1/2	80	1,500	10	79184024	84024
1	2-1/2	1/4	320	.022	5-1/2	320	1,500	10	79184043	84043
			120	.040	5-1/2	120	1,500	10	79184041	84041
			80	.040	5-1/2	80	1,500	10	79184040	84040
1-1/4	2-1/2	1/4	120	.040	5-1/2	120	1,500	10	79184050	84050
1-1/2	2-1/2	1/4	320	.022	5-1/2	320	1,500	10	79184057	84057
			120	.040	5-1/2	120	1,500	10	79184055	84055
1-3/4	2-1/2	1/4	320	.022	5-1/2	320	1,500	10	*79184062*	84062
			120	.040	5-1/2	120	1,500	10	79184060	84060
2	2-1/2	1/4	320	.022	5-1/2	320	1,500	10	79184066	84066



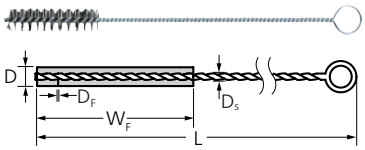
Valve guide brushes

Brush for brushing valve guides. High brush stiffness for aggressive cleaning.

Special features:
- The metal sleeve construction enables stable operation without bending.
- Includes knurled handle for manual use.

D [Inch]	W_F [Inch]	D_S [Inch]	D_F [Inch]	L [Inch]	Max. RPM		Item no.	EDP no.
Steel wire (ST)								
1/4	2	1/4	.006	10	2,500	10	79183465	83465
5/16	2	1/4	.006	10	2,500	10	*79183466*	83466
11/32	2	1/4	.006	10	2,500	10	*79183467*	83467
3/8	2	1/4	.006	10	2,500	10	79183468	83468
1/2	2	1/4	.006	10	2,500	10	*79183470*	83470

Discontinued product

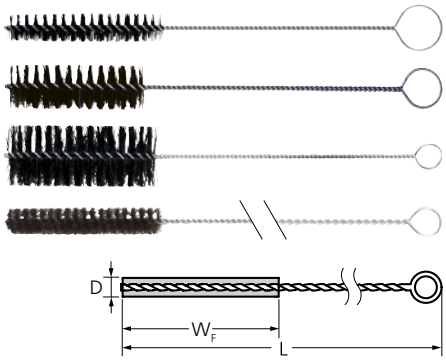


Loop handle power tube brushes

For light cleaning and deburring work on threaded holes or recesses, such as keyways. Excellent for manual use.

Special features:
- Maximum precision and efficiency when working on delicate workpieces.
- Optimal access to hard-to-reach areas such as the inner surfaces of pipes and drilled holes.
- Creates fine surfaces.

D [Inch]	W_F [Inch]	L [Inch]	D_F [Inch]	D_S [Inch]		Item no.	EDP no.
Steel wire (ST)							
1/4	1-1/2	7	.006	0.118	12	79189564	89564
3/8	2	8	.006	0.118	12	79189565	89565
1/2	2	8	.006	0.17	12	79189566	89566
Stainless steel wire (INOX)							
3/16	1-1/2	7	.006	0.09	12	79189568	89568
1/4	1-1/2	8	.006	0.118	12	79189569	89569
3/8	2	8	.006	0.118	12	79189570	89570
1/2	2	8	.006	0.17	12	79189571	89571



IBU, with eyelet

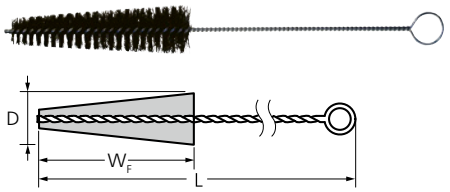
Designed for manual use.

Special features:
- Maximum precision and efficiency when working on delicate workpieces.
- Optimal access to hard-to-reach areas such as the inner surfaces of pipes and drilled holes.

D [Inch]	W_F [Inch]	L [Inch]		Item no.	EDP no.
Nylon plastic filament					
1/4	2	6-1/8	12	79189578	89578
1/2	3	8-1/2	12	79189580	89580
3/4	3	8-1/2	12	79189581	89581
1	4	12	12	79189582	89582
1-1/4	4	13	12	79189583	89583
2	5	15	12	79189585	89585

Continued on next page

D [Inch]	W_F [Inch]	L [Inch]		Item no.	EDP no.
Natural bristles, horse hair (PHS)					
5/8	4-1/2	42	1	79189594	89594
3/4	4-1/2	42	1	79189595	89595
1	4	12	12	79189576	89576
1-1/4	4-1/2	40-1/2	1	79189597	89597
2-1/4	7	30	1	79189437	89437



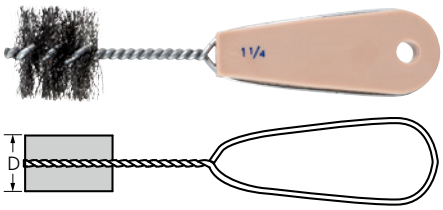
IBU, with eyelet, conical

Specially suited to brushing in manual applications. Conical type.

Special features:
- Maximum precision and efficiency when working on delicate workpieces.
- Optimal access to hard-to-reach areas such as the inner surfaces of pipes and drilled holes.

D [Inch]	W_F [Inch]	L [Inch]		Item no.	EDP no.
Horsehair, tapered					
1-1/4 to 3/4	5	12	1	79189586	89586

Fitting brushes



Internal tube fitting brushes

For internal cleaning and preparation of metal tubes and joints.

Special features:
- Equipped with ergonomic handle for comfortable use.

Nominal tubing [Inch]	D [Inch]		Item no.	EDP no.
Steel wire (ST)				
1/8	17/64	12	79189625	89625
1/4	25/64	12	79189626	89626
3/8	33/64	12	79189627	89627
1/2	21/32	12	79189628	89628
5/8	25/32	12	79189629	89629
3/4	29/32	12	79189630	89630
7/8	1-1/32	12	79189631	89631
1	1-5/32	12	79189632	89632
1-1/4	1-7/16	12	79189633	89633
1 1/2	1-11/16	12	79189634	89634
2	2-3/16	12	79189635	89635

External tube fitting brushes

For external cleaning and preparation of metal tubes and joints.

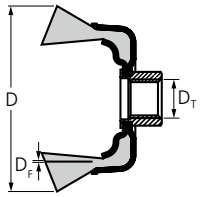
Special features:
- Plastic casing protects user's hands from sharp wire tips and pipe edges.

Nominal tubing [Inch]	D [Inch]		Item no.	EDP no.
Steel wire (ST)				
3/8	1/4	6	79189636	89636
1/2	3/8	6	79189637	89637
5/8	1/2	6	79189638	89638
3/4	5/8	6	79189639	89639
1	7/8	6	79189641	89641

Universal brushes
Universal brushes

The Universal Line offers a range of brushes in the most common profiles and dimensions. Developed for general and cost-efficient use and for the most common applications. Manufactured to the usual high quality standards according to EN 1083.

Threaded cup brushes, crimped



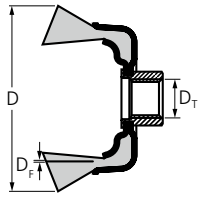
Crimped

Excellent for medium-duty brushing tasks such as deburring, cleaning, and derusting on large surfaces.

Special features:
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Creates fine surfaces.

D [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)								
2-3/4	7/8	5/8-11	.012	7,000 – 12,500	12,500	5	43740005	763889
3-1/2	7/8	5/8-11	.012	7,000 – 12,000	12,000	5	43740007	764091
			.020	7,000 – 12,000	12,000	5	43740008	764107

Threaded cup brushes, knotted



Full cable twist

Aggressive brush. Excellent for heavy-duty brushing applications like deburring, cleaning, derusting, descaling, and removal of spatter.

Special features:
- Aggressive brushing effect due to the very stiff knotted wire.

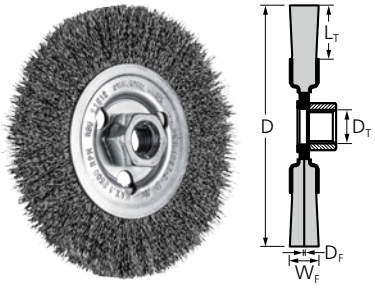
D [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)								
2-3/4	3/4	5/8-11	.014	7,000 – 12,500	12,500	5	43740019	764237
			.020	7,000 – 12,500	12,500	5	43740021	764251
						10	47701722	145463
3-1/2	3/4	5/8-11	.020	5,500 – 11,000	11,000	5	43740025	763865
4	1	5/8-11	.014	4,500 – 9,000	9,000	2	43740026	763896
5	1-1/8	5/8-11	.014	3,500 – 7,000	7,000	2	43740034	763971

Continued on next page

Universal brushes
Threaded cup brushes, knotted

D [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Stainless steel wire (INOX)								
2-3/4	3/4	5/8-11	.014	7,000 – 12,500	12,500	5	43740020	764244
			.020	7,000 – 12,500	12,500	5	43740022	764268

Wheel brushes, crimped for angle grinders



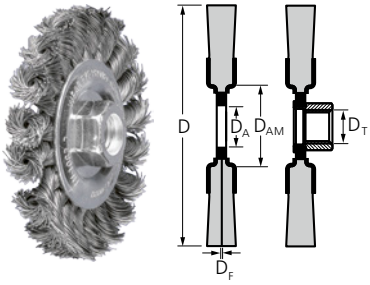
Crimped, threaded

Designed for medium-duty brushing such as derusting, cleaning of weld seams and light deburring work.

Special features:
- Designed for use on angle grinders up to 15,800 SFPM.
- Highly flexible, enabling optimal adjustment to the workpiece contour and less heat build-up.
- Creates fine surfaces.

D [Inch]	W_F [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
4	9/16	7/8	5/8-11	.012	7,000 – 12,500	12,500	5	43740011	764145

Wheel brushes, knotted



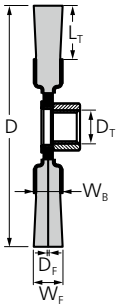
Full cable twist

Aggressive brush. Designed for heavy-duty brushing in metalwork such as descaling, derusting, deburring, cleaning of weld seams, removal of adhesive residues and spatter.

Special features:
- Aggressive brushing action due to tightly-twisted wire knots.
- Cost-efficient and designed for general use.

D [Inch]	W_F [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
4	5/8	3/4	5/8-11	.020	10,000 – 15,000	20,000	5	43740029	763926
6	1/2	1-1/4	5/8-1/2	.014	4,500 – 9,000	9,000	5	43740035	763988

Universal brushes
Wheel brushes, pipeline



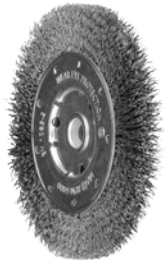
Stringer bead twist

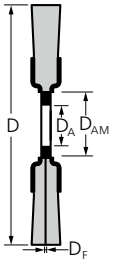
Aggressive and robust brush that is able to withstand high mechanical loads. Ideal for heavy-duty brushing in pipeline and container construction.

Special features:
- Aggressive brushing action due to tightly-twisted wire knots.
- Extra-slim design allows access to hard-to-reach areas such as root weld seams.

D [Inch]	W_F [Inch]	L_T [Inch]	D_T [Inch]	D_F [Inch]	Knots	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)										
4	3/16	3/4	5/8-11	.020	30	10,000 – 15,000	20,000	5	43740031	763940
								10	47701719	143438
6	3/16	1-1/4	5/8-11	.020	40	4,500 – 9,000	9,000	5	43740038	764015
								10	47701720	144404
6-7/8	3/16	1-3/8	5/8-11	.020	60	4,500 – 9,000	9,000	5	43740040	764039
Stainless steel wire (INOX)										
4	3/16	3/4	5/8-11	.020	30	10,000 – 15,000	20,000	5	43740032	763957
								10	47701721	145401
6	3/16	1-1/4	5/8-11	.020	40	4,500 – 9,000	9,000	5	43740039	764022

Wheel brushes, crimped





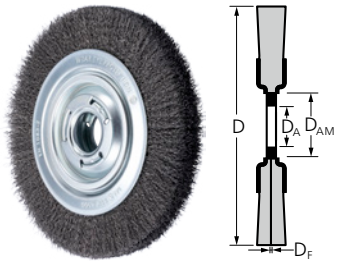
Narrow face

Excellent for medium-duty hand-held or automated brushing of workpieces with large surfaces. Can be used with all commercially available stationary drive systems and bench grinders due to the variable hole diameter.

Special features:
- Can be used with all common stationary drive systems and bench grinders.
- The special design enables several brushes to be attached in a row to create wide gapless rollers.
- Highly flexible, enabling optimal adjustment to the workpiece contour. Creates fine surfaces.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A [Inch]	D_{AM} [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)										
6	1/2	1-1/4	1/2	5/8	.012	3,000 – 6,000	6,000	5	43740016	764206

Universal brushes
Wheel brushes, crimped



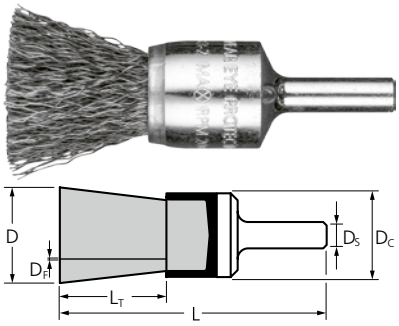
Medium face

Excellent for medium-duty hand-held or automated brushing of large workpieces. Designed for universal workshop use.

Special features:
- Can be used with all common stationary drive systems and bench grinders.
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Creates fine surfaces.

D [Inch]	W_F [Inch]	L_T [Inch]	D_A [Inch]	D_{AM} [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)										
6	1	1-1/4	1-1/4	2	.012	3,000 – 6,000	6,000	5	43740015	764190
8	1-1/4	1-1/4	1-1/4	2	.012	2,300 – 3,500	4,500	5	43740017	764213

Shank-mounted end brushes, crimped



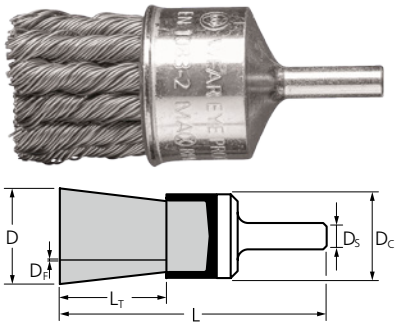
Crimped

Designed for light brushing such as deburring, cleaning and derusting.

Special features:
- Optimal access to hard-to-reach areas such as boreholes and cavities by spreading the insert during rotation.
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Creates fine surfaces.

D [Inch]	D_C [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
3/4	13/16	1/4	1	.012	10,000 – 15,000	20,000	5	43740058	764411
1	1-5/32	1/4	1	.012	8,000 – 11,000	20,000	5	43740061	764442
				.020	8,000 – 11,000	20,000	5	43740062	764459
Stainless steel wire (INOX)									
3/4	13/16	1/4	1	.012	10,000 – 15,000	20,000	5	43740060	764435
1	1-5/32	1/4	1	.020	8,000 – 11,000	20,000	5	43740063	764466

Universal brushes
Shank-mounted universal end brushes, knotted



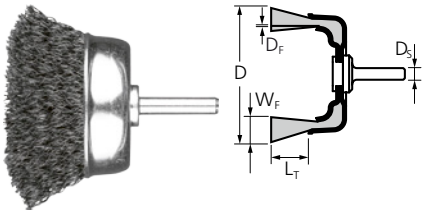
Knotted, flared cup

Aggressive brush. Designed for medium-duty brushing such as deburring, cleaning, derusting and descaling, as well as removing spatter.

Special features:
- Use variable speed power tools to control the spread of the brush.
- Optimal access to hard-to-reach areas such as recesses and drilled holes.

D [Inch]	D_C [Inch]	D_S [Inch]	L_T [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)									
3/4	7/8	1/4	1	.014	10,000 – 15,000	20,000	5	43740052	764350
1	1-5/32	1/4	1	.014	8,000 – 11,000	20,000	5	43740056	764398
				.020	8,000 – 11,000	20,000	5	43740054	764374
Stainless steel wire (INOX)									
3/4	7/8	1/4	1	.020	10,000 – 15,000	20,000	5	43740053	764367
1	1-5/32	1/4	1	.014	8,000 – 11,000	20,000	5	43740057	764404
							10	47701725	145876
				.020	8,000 – 11,000	20,000	5	43740055	764381

Shank-mounted universal cup brushes, crimped



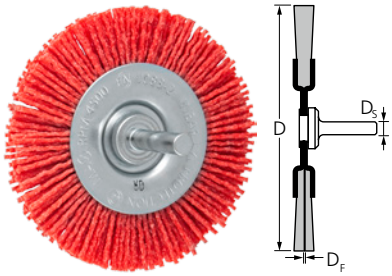
Crimped

Designed for cleaning, derusting and smoothing. Perfect tool for the removal of corrosion and paint. Ideal for brushing on large, flat and easily accessible surfaces with the entire brush face applied to the workpiece.

Special features:
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Creates fine surfaces.

D [Inch]	Grit size	D_F [Inch]	D_S [Inch]	L_T [Inch]	Max. RPM		Item no.	EDP no.
Steel wire (ST)								
2	-	.012	1/4	3/4	13,000	5	43740003	763858
M-BRAD® nylon abrasive filament, silicon carbide SiC								
3	120	.040	1/4	3/4	4,500	5	43740001	763834

Universal brushes
Shank-mounted universal wheel brushes, crimped

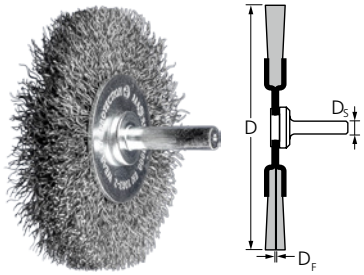


Crimped wheel for power drills

Designed for cleaning, derusting, smoothing, cleaning of weld seams, light deburring, and removal of corrosion and paint. Specially developed for use within a low rotational speed range on cordless drills and power drills.

Special features:
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Creates fine surfaces.

D [Inch]	Grit size	D_F [Inch]	D_S [Inch]	L_T [Inch]	Max. RPM		Item no.	EDP no.
Silicon carbide (SiC)								
3	120	.040	1/4	3/4	4,500	5	43740002	763841



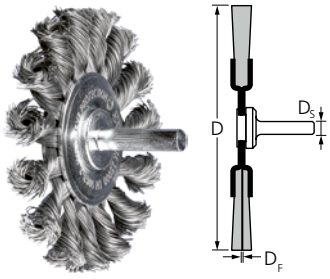
Crimped wheel for straight grinder

Designed for cleaning, derusting, smoothing, cleaning of weld seams, light deburring, and removal of corrosion and paint.

Special features:
- Highly flexible, enabling optimal adaptation to the workpiece contour.
- Creates fine surfaces.

D [Inch]	D_F [Inch]	D_S [Inch]	L_T [Inch]	Max. RPM		Item no.	EDP no.
Steel wire (ST)							
2	.012	1/4	1/2	20,000	5	43740004	763872
3	.012	1/4	3/8	20,000	5	43740006	764084

Shank-mounted universal wheel brushes, knotted



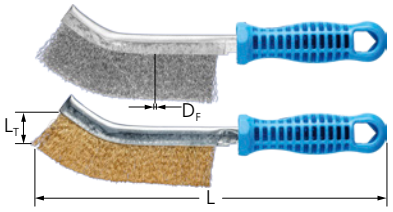
Full cable twist

Aggressive brush for cleaning, derusting and work on weld seams.

Special features:
- Aggressive brushing action due to tightly-twisted wire knots.
- Optimal access to hard-to-reach areas such as grooves and recesses.

D [Inch]	W_F [Inch]	L_T [Inch]	D_F [Inch]	Opt. RPM	Max. RPM		Item no.	EDP no.
Steel wire (ST)								
3	7/16	3/4	.012	12,000 – 18,000	25,000	5	43740023	764275
4	1/2	7/8	.012	10,000 – 15,000	20,000	5	43740030	763933

Universal brushes
Universal scratch brushes, curved



Scratch brushes, plastic handle

Excellent for cleaning in hard-to-reach areas, e.g. angles, corners and pipes.

Special features:
- Packaged for retail.

Rows	L_T [Inch]	L [Inch]	D_F [Inch]		Item no.	EDP no.
Steel wire (ST)						
1	1-1/4	10	.012	10	43740044	764077
Stainless steel wire (INOX)						
1	1-1/4	10	.012	12	43740045	764282
Brass wire						
1	1-1/4	10	.012	10	43740043	764060

Drive arbors for wheel brushes, chuck type

Enable use of wheel brushes with arbor hole on tool drives with collet, e. g. electric straight grinders and flexible shaft drives. No projecting shank, for brushing work on edges. The brush can be changed without unclamping the shank.

Special features:
- Machined metal components for accurate fit.

D_S [Inch]	Suitable for brush arbor hole dia. [Inch]	Clamping width D_A / D_M [Inch]	Head/flange dia. [Inch]	Total length [Inch]		Item no.	EDP no.
1/4	1/4	3/16 – 3/8	9/1	2-1/8	5	79184650	84650
	3/8	3/16 – 3/8	11/16	2-1/8	5	79184651	84651
	1/2	3/16 – 3/8	3/4	2-1/8	5	79184652	84652

Drive arbors for wheel brushes, flat head

Enable use of wheel brushes with arbor hole on tool drives with collet, e. g. electric straight grinders and flexible shaft drives. No projecting shank, for brushing work on edges. Multiple brushes can be clamped depending on the brush type.

Special features:
- Machined metal components for accurate fit.

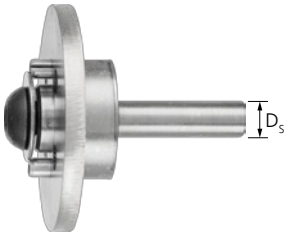
D_S [Inch]	Suitable for brush arbor hole dia. [Inch]	Clamping width D_A / D_M [Inch]	Head/flange dia. [Inch]	Total length [Inch]		Item no.	EDP no.
1/4	3/8	0 – 1/2	3/4	1-5/8	5	79184654	84654
	1/2	0 – 1/2	15/16	1-7/8	5	79184655	84655
	1/2, 5/8	1/8 – 1/2	15/16	1-7/8	5	79184656	84656

Drive arbors for wheel brushes, nut type

Enable use of wheel brushes with arbor hole on tool drives with collet, e.g. electric straight grinders and flexible shaft drives. Multiple brushes can be clamped depending on the brush type. The brush can be changed without unclamping the shank.

Special features:
- Machined metal components for accurate fit.

D_S [Inch]	Suitable for brush arbor hole dia. [Inch]	Clamping width D_A / D_M [Inch]	Head/flange dia. [Inch]	Total length [Inch]		Item no.	EDP no.
1/4	1/4	0 – 7/8	5/8	2-1/2	5	79184657	84657
	3/8	0 – 7/8	3/4	2-1/2	5	79184658	84658
	1/2	0 – 1/4	7/8	1-3/4	5	79184659	84659



Drive arbors for M-BRAD® disc brushes

Enables use of composite disc brushes with arbor holes. Suitable for stationary applications with threaded cup brushes on CNC machines, automated centers and robots.

Special features:
- Machined metal components for accurate fit.

D_S [Inch]	Suitable for brush arbor hole dia. [Inch]	Number of drive pins	Drive pin dia. [Inch]	Bolt circle dia. [Inch]		Item no.	EDP no.
3/4	3-4	2	1/4	1-1/4	1	79183982	83982
	5-6	2	1/4	1-1/4	1	79183983	83983
	7-8	3	1/4	3	1	79183984	83984
	9-10	3	1/4	3	1	*79183985*	83985
1	3-4	2	1/4	1-1/4	1	*79183978*	83978
	5-6	2	1/4	1-1/4	1	*79183979*	83979
	7-8	3	1/4	3	1	*79183980*	83980
	9-10	3	1/4	3	1	*79183981*	83981

Drive arbor for abrasive bristle brush segments

This allows for the flexible assembly of multiple individual segments into a polyamide grinding brush. The bristle width can thus be adapted to the specific application.

Special features:
- Modular plug-in system for customizing the trim width and tool configuration.
- Machined metal components for accurate fit.

D_S [Inch]	Number of segments [Piece]	Suitable for brush arbor hole dia. [Inch]	Clamping width D_A / D_M [Inch]		Item no.	EDP no.
1/8	1 – 4	1/16	0 – 3/16	3	43595072	-
		1/8	0 – 1/4	3	43595073	-

Adapter

Arbor hole adapters

PFERD TOOLS offers various arbor hole adapters for wheel brushes.

Special features:
- Enables the use of brushes on all power tools as the hole diameter is adjusted to the required dimension.
- Machined metal components for accurate fit.

Suitable for brush arbor hole dia. [Inch]	Adapter hole dia. D_A [Inch]		Item no.	EDP no.
2	1-1/4 Inch, 20 mm, 18 mm, 14 mm, 12 mm	1	*79184666*	84666
	1-1/4, 1, 7/8, 3/4, 5/8, 1/2 Inch	1	79184665	84665

Discontinued product
New item

Adapter sets for abrasive bristle brushes

These adapter sets allow abrasive bristle brush segments to be mounted.

Special features:
- Machined metal components for accurate fit.

Suitable for brush arbor hole dia. [Inch]	Adapter hole dia. D_A [Inch]		Item no.	EDP no.
2	20 mm, 18 mm, 14 mm, 12 mm, 1", 7/8", 5/8", 1/2"	1	43701268	-
3	31.75 mm, 20 mm, 18 mm, 14 mm, 12 mm. 1", 7/8", 3/4", 5/8", 1/2"	1	43701269	-

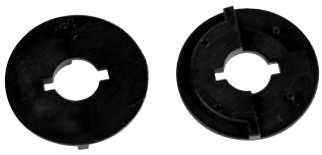
Adapter pairs Style C

The adapter pair Style C is suitable for wheel brushes with a brush diameter from 6" in the wide and composite versions.

Contents:
The Style C adapter set contains 1 adapter pair.

Special features:
- Enable the use of brushes on all tool drives as the hole diameter is adjusted to the required dimension.
- Machined metal components for accurate fit.

Suitable for brush arbor hole dia. [Inch]	Adapter hole dia. D_A [Inch]		Item no.	EDP no.
2	1	1	79184632	84632
	1/2	1	79184628	84628
	1 1/2	1	79184634	84634
	1-1/4	1	79184633	84633
	3/4	1	79184630	84630
	5/8	1	79184629	84629
	7/8	1	79184631	84631



Adapter pairs Style A

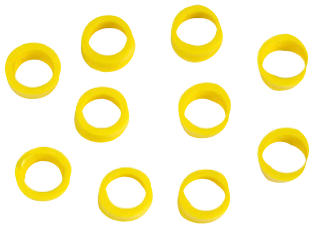
The adapter pair Style A is suitable for wheel brushes with a brush diameter from 6" in the narrow version.

Contents:
The Style A adapter set contains 1 adapter pair.

Special features:
- Enables the use of brushes on all power tools as the hole diameter is adjusted to the required dimension.
- Machined metal components for accurate fit.

Suitable for brush arbor hole dia. [Inch]	Adapter hole dia. D_A [Inch]		Item no.	EDP no.
1-1/4	1/2	1	79184605	84605
	5/8	1	79184606	84606
	3/4	1	79184607	84607
	7/8	1	79184608	84608
	1	1	79184609	84609

New item



Adapter Style D

PFERD TOOLS offers various adapters for wheel brushes with holes.

Special features:
- Enables the use of brushes on all power tools as the hole diameter is adjusted to the required dimension.
- Machined metal components for accurate fit.

Suitable for brush arbor hole dia. [Inch]	Adapter hole dia. D_A [Inch]		Item no.	EDP no.
1/2	3/8	10	79184602	84602
5/8	1/2	10	79184603	84603

Adapter set Style E

For crimped wheel brushes EZmount®.

Special features:
- Enables the use of brushes on all power tools as the hole diameter is adjusted to the required dimension.
- Machined metal components for accurate fit.

Suitable for brush arbor hole dia. [Inch]	Adapter hole dia. D_A [Inch]		Item no.	EDP no.
2	1, 3/4, 5/8, 1/2	1	79184615	84615

Adapter Style F

PFERD TOOLS offers various adapters for wheel brushes with holes.

Special features:
- Enables the use of brushes on all power tools as the hole diameter is adjusted to the required dimension.
- Machined metal components for accurate fit.

Suitable for brush arbor hole dia. [Inch]	Adapter hole dia. D_A [Inch]		Item no.	EDP no.
5/8	1/2	10	79184636	84636
	3/8	10	79184637	84637
	1/4	10	79184638	84638
1/2	3/8	10	79184639	84639
	1/4	10	79184640	84640
3/8	1/4	10	79184641	84641

Adapter pairs Style G

PFERD TOOLS offers various adapters for wheel brushes with holes.

Contents:
The Style G adapter set contains 1 adapter pair.

Special features:
- Enables the use of brushes on all power tools as the hole diameter is adjusted to the required dimension.
- Machined metal components for accurate fit.

Suitable for brush arbor hole dia. [Inch]	Adapter hole dia. D_A [Inch]		Item no.	EDP no.
5-1/4	2	1	*79184671*	84671

Adapter pairs Style H

The adapter pair Style H is suitable for wheel brushes with a brush diameter from 6" in the narrow version.

Contents:
The Style H adapter set contains 1 adapter pair.

Special features:
- Enables the use of brushes on all power tools as the hole diameter is adjusted to the required dimension.
- Machined metal components for accurate fit.

Suitable for brush arbor hole dia. [Inch]	Adapter hole dia. D_A [Inch]		Item no.	EDP no.
1-1/4	1	1	79184614	84614

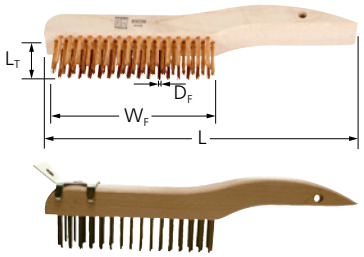
Thread adapters

Thread adapters

Machined metal components for accurate fit.

Special features:
- Enables the use of threaded brushes on all standard tool drives by adjusting the thread.

Suitable for brush thread	Suitable for spindle thread		Item no.	EDP no.
5/8-11	M10x1.25	5	79184996	84645P
			79184645	84645
	3/8-24	5	79184998	84647P
			79184647	84647

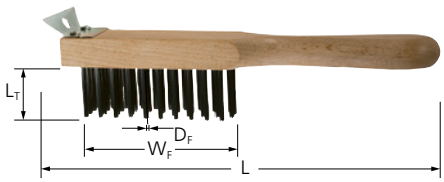


Shoe handle, hardwood

Designed for all light cleaning and derusting work.

Special features:
- Secure anchoring of filament material through the use of hardwood.
- Ergonomic curved handle.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	Filament material	D_F [Inch]		Item no.	EDP no.
with a scratch								
4	1-3/16	10-1/4	5	Steel wire (ST)	.012	12	79185034	85034
without scraper								
2	1-3/16	10	5	Steel wire (ST)	.012	12	79185030	85030
				Stainless steel wire (INOX)	.012	12	79185031	85031
4	1-3/16	10-1/4	5	Bronze	.010	12	79185036	85036
				Steel wire (ST)	.012	12	79185033	85033
				Stainless steel wire (INOX)	.012	12	79185035	85035

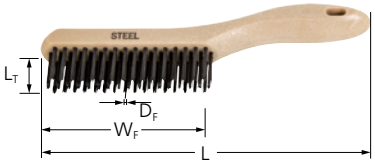


Straight handle with scraper

Aggressive brush with scraper.

Special features:
- Scraper for removing heavy dirt.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]		Item no.	EDP no.
Steel wire (ST)							
4	1-1/2	11	4-1/2	.012	12	79185071	85071

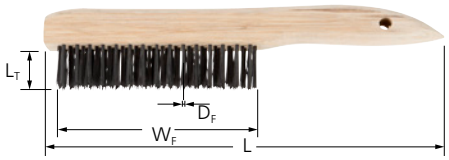


Shoe handle, synthetic

Designed for all light cleaning and derusting work.

Special features:
- Synthetic block will not splinter, crack, or rot.
- Ergonomic curved handle.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]		Item no.	EDP no.
Steel wire (ST)							
4	1-3/16	10-1/4	5	.012	12	79185037	85037
Stainless steel wire (INOX)							
4	1-3/16	10-1/4	5	.012	12	79185039	85039

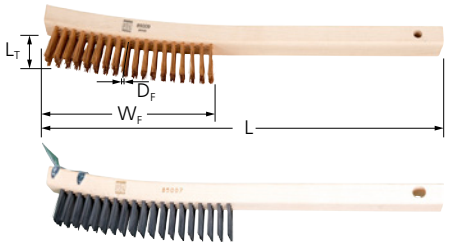


Economy line

Designed for all light cleaning and derusting work. Specially developed for semi-professional use and for DIY'ers.

Special features:
- Synthetic block will not splinter, crack, or rot.
- Ergonomic curved handle.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]		Item no.	EDP no.
Steel wire (ST) curved handle							
3	1-3/16	13-3/4	6	.012	12	79185045	85045
4	1-3/16	13-3/4	6	.012	12	79185048	85048
Stainless steel wire (INOX) curved handle							
3	1-3/16	13-3/4	6	.012	12	79185047	85047
4	1-3/16	13-3/4	6	.012	12	79185050	85050
Steel wire (ST) shoe handle							
4	1-3/16	10	5	.012	12	79185051	85051
Stainless steel wire (INOX) shoe handle							
4	1-3/16	10	5	.012	12	79185053	85053

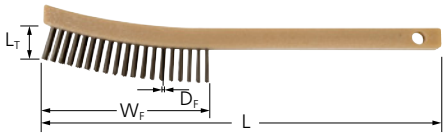


Curved handle, hardwood

Designed for all light cleaning and derusting work.

Special features:
- Secure anchoring of filament material through the use of hardwood.
- Ergonomic curved handle.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	Filament material	D_F [Inch]		Item no.	EDP no.
without scraper								
3	1-3/16	13-3/4	6-1/4	Bronze	.010	12	79185005	85005
				Steel wire (ST)	.012	12	79185002	85002
				Stainless steel wire (INOX)	.012	12	79185004	85004
4	1-3/16	13-3/4	6-1/4	Bronze	.010	12	79185009	85009
				Steel wire (ST)	.012	12	79185006	85006
				Stainless steel wire (INOX)	.012	12	79185008	85008
with a scratch								
3	1-3/16	13-3/4	6-1/4	Steel wire (ST)	.012	12	79185003	85003
4	1-3/16	13-3/4	6-1/4	Steel wire (ST)	.012	12	79185007	85007



Shoe handle, synthetic

Suitable for cleaning, derusting, weld bead cleaning, and surface cleaning. Extra-long handle.

Special features:
- Synthetic block will not splinter, crack, or rot.

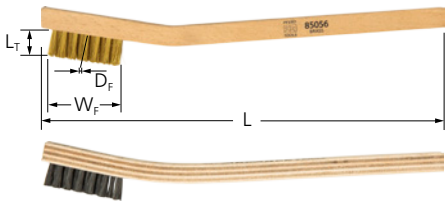
Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]		Item no.	EDP no.
Steel wire (ST)							
3	1-1/2	13-3/4	6-1/4	.012	12	79185012	85012
4	1-3/16	13-3/4	6-1/4	.012	12	79185016	85016
Stainless steel wire (INOX)							
3	1-1/2	13-3/4	6-1/4	.012	12	79185014	85014
4	1-3/16	13-3/4	6-1/4	.012	12	79185018	85018

V-Groove

Suitable for cleaning and derusting fillet welds and V-shaped welds due to the V shape.

Special features:
- Packaged for retail.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]		Item no.	EDP no.
Steel wire (ST)							
3	1-1/2	13-3/4	5-1/4	.012	12	79185010	85010
Stainless steel wire (INOX)							
3	1-1/2	13-3/4	5-1/4	.012	12	79185011	85011

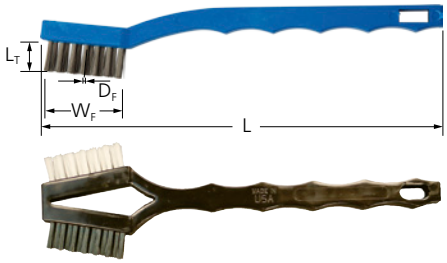


Welder`s toothbrush, wooden handle

Ideal for cleaning spark plugs, small workpieces, and tools.

Special features:
- Excellent for the precise cleaning of small weld seams.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]	Version		Item no.	EDP no.
Steel wire (ST)								
3	1/2	7-1/2	1-1/2	.006	Laced back	36	79185058	85058
					Staple set	36	79185054	85054
Stainless steel wire (INOX)								
3	1/2	7-1/2	1-1/2	.006	Laced back	36	79185059	85059
					Staple set	36	79185055	85055
Brass wire								
3	1/2	7-1/2	1-1/2	.006	Staple set	36	79185056	85056

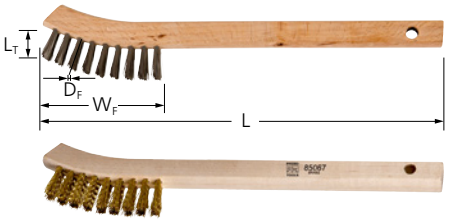


Welder`s toothbrush, plastic handle

Ideal for cleaning spark plugs, small workpieces and tools. The twin-head version has a side with plastic filament and one with wire filament.

Special features:
- Excellent for spot-cleaning small welds and molds.
- Synthetic block will not splinter, crack, or rot.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]	Version		Item no.	EDP no.
Stainless steel wire (INOX)								
3	1/2	7-1/2	1-1/2	.006	Single-headed	36	79185060	85060
					Double-headed	36	79185063	85063
Brass wire								
3	1/2	7-1/2	1-1/2	.006	Single-headed	36	79185061	85061
					Double-headed	36	79185064	85064
Nylon plastic filament								
3	1/2	7-1/2	1-1/2	.012	Single-headed	36	79185062	85062

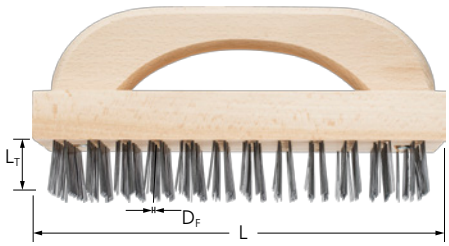


Small cleaning, curved handle

Ideal for cleaning spark plugs, small workpieces, and tools.

Special features:
- Ideal for cleaning small weld seams and fillet welds due to narrow filament width.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]		Item no.	EDP no.
Stainless steel wire (INOX)							
2	1/2	8-5/8	2-1/2	.006	36	79185065	85065
Brass wire							
2	1/2	8-5/8	2-1/2	.008	36	79185067	85067

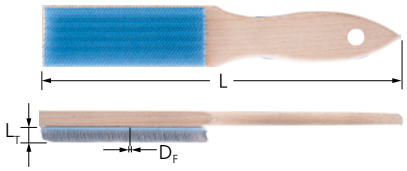


Hand scrub brushes

Robust block brush made from wood for heavy-duty cleaning work.

Special features:
- Excellent for cleaning concrete forms.
- Ergonomic curved handle.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]		Item no.	EDP no.
Steel wire (ST)							
8	1-1/4	9-1/4	3-3/4	.105	12	79185094	85094

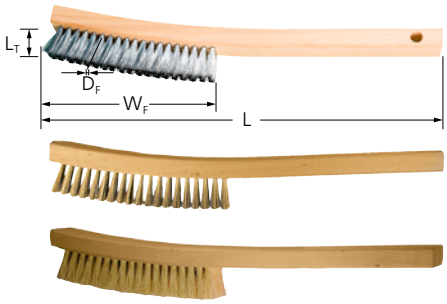


File card and brush

The file brush easily cleans chips from a loaded file.

Special features:
- Packaged for retail.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]		Item no.	EDP no.
Steel wire (ST)							
1	9/32	9-1/8	1-1/2	.012	5	12601000	17146

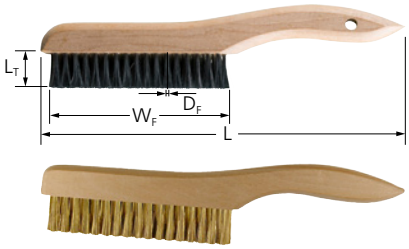


Curved handle

Fine filament, curved handle brushes designed for gentle brushing action.

Special features:
- Light brushing action, removes excess coating in plating applications without altering surface finish.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]		Item no.	EDP no.
Steel wire (ST)							
3	1	13	5-1/2	.006	12	79189542	89542
4	1	13	5-1/2	.005	12	79189543	89543
Stainless steel wire (INOX)							
3	1	13	5-1/2	.006	12	79189546	89546
4	1	13	5-1/2	.005	12	79189547	89547
Brass wire							
3	1	13	5-1/2	.005	12	79189544	89544
4	1	13	5-1/2	.005	12	79189545	89545
Tampico							
4	1	13	5-1/2	-	12	79189540	89540



Shoe handle

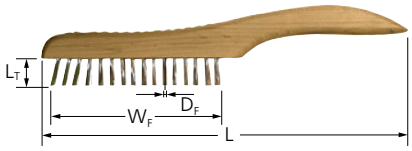
Fine filament, curved handle brushes designed for gentle brushing action.

Special features:
- Light brushing action, removes excess coating in plating applications without altering surface finish.
- Ergonomic curved handle.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]		Item no.	EDP no.
Steel wire (ST)							
3	1	10	5	.005	12	*79189550*	89550
4	1	10	5	.005	12	*79189551*	89551
Brass wire							
3	1	10	5	.005	12	79189552	89552
4	1	10	5	.005	12	79189553	89553
Tampico							
4	1	10	5	-	12	79189548	89548

Discontinued product

Scratch brushes
Platers brushes



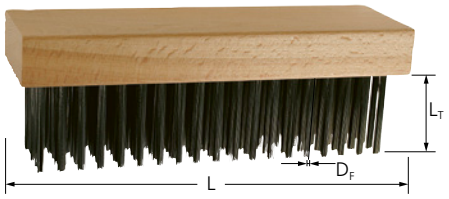
Shoe handle, narrow face

Fine filament, curved handle brushes designed for gentle brushing action.

Special features:
- Light brushing action, removes excess coating in plating applications without altering surface finish.
- Ideal for cleaning narrow grooves.
- Ergonomic curved handle.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]		Item no.	EDP no.
Steel wire (ST)							
1	3/4	10	4-3/4	.006	12	79189555	89555
Stainless steel wire (INOX)							
1	3/4	10	4-3/4	.006	12	79189556	89556

Block brushes



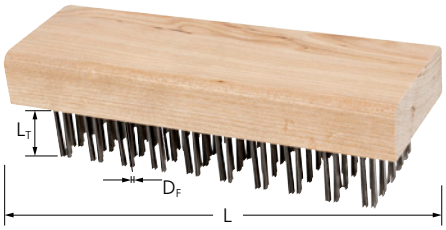
Standard

Robust block brush made from wood for heavy-duty cleaning work.

Special features:
- Excellent for cleaning concrete forms.
- Available in the Curved version with curved handle for ergonomic working.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]	Version		Item no.	EDP no.
Steel wire (ST)								
5	1-3/16	4-1/2	1-1/2	.012	Straight back	12	79185081	85081
6	1-3/4	7-1/4	2-1/4	.012	-	12	79185082	85082
9	1-3/16	7-7/8	2-3/8	.012	Curved back	12	79185084	85084
Stainless steel wire (INOX)								
6	1-3/4	7-1/4	2-1/4	.012	Straight back	12	79185083	85083

Scratch brushes
Block brushes



Flat wire

Robust block brush made from wood for extremely heavy-duty cleaning work.

Special features:
- Flat wire type for aggressive brushing action.
- Ideal for cleaning concrete structures.

Rows	L_T [Inch]	L [Inch]	W_F [Inch]	D_F [Inch]		Item no.	EDP no.
Stainless steel wire (INOX)							
5	1-1/8	7-3/4	2-5/8	.105	12	79185092	85092

Lubricating brush

Oval-head tampico brushes for hand-applying pipe coatings.

Special features:
- High retention improves productivity.

L_T [Inch]	L [Inch]	W [Inch]	Filament material		Item no.	EDP no.
Wooden block						
2-1/4	17	3-1/2	Tampico	12	79185100	85100

Chip brushes

High volume, cost-effective brushes feature natural fiber for painting, gluing, and applying coatings.

Special features:
- White filament clearly visible on dark coatings, allowing for easy inspection.

D [Inch]	W_F [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
Standard thickness						
1/2	1/4	1-1/2	White natural bristles	36	79189695	89695
1	5/16	1-1/2	White natural bristles	36	79189696	89696
1-1/2	5/16	1-1/2	White natural bristles	36	79189697	89697
2	3/8	1-1/2	White natural bristles	24	79189698	89698
2-1/2	3/8	1-1/2	White natural bristles	24	79189699	89699
3	3/8	1-1/2	White natural bristles	24	79189700	89700
4	3/8	1-1/2	White natural bristles	12	79189701	89701
Double thick						
4	11/16	2	White natural bristles	12	79189702	89702

Metal made chip brushes

Small, stiff wire brushes for brushing metal chips.

Special features:
- 100% metal construction will not burn or melt in high-temperature environments.

L [Inch]	W_F [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
Loop handle						
5-1/2	1-1/4	1-5/8	Steel wire (ST)	12	79185124	85124
			Stainless steel wire (INOX)	12	79185138	85138

Acid brushes

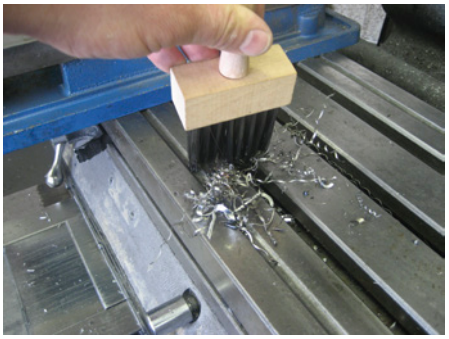
Small, high-quality brushes for applying flux film and other coatings.

Special features:
- Natural horsehair fibers minimize contamination in brazing and soldering applications.

L [Inch]	W_F [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
Tin handle						
6	1/4	3/4	Horsehair	144	79189601	89601
	3/8	7/8	Horsehair	144	79189602	89602
	1/2	7/8	Horsehair	144	79189603	89603
	9/16	1	Horsehair	144	79189622	89622
	3/4	1	Horsehair	144	79189604	89604

Chip brushes

Staple-set round carbon steel wire for cleaning chips and shavings.



Special features:
- Ideal for cleaning chips from hard-to-reach places.

Rows	L [Inch]	W_F [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
Wooden handle							
4	5-3/4	2-3/4	2-3/8	Steel wire (ST)	12	79189559	89559

Floor sweeps

Fine broom, horsehair/nylon blend

Broom made of painted hardwood. High-quality broom for cleaning fine dirt on smooth floors. Mixed filament made of horsehair and nylon filament.

Special features:
- The fine, dense filament ensures a clean surface finish.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
18	3	Horsehair/nylon mix	12	79189214	89214
24	3	Horsehair/nylon mix	12	79189215	89215
36	3	Horsehair/nylon mix	12	79189217	89217

Fine brush, silver plastic filament, spliced

Broom made of painted hardwood. Spliced plastic filament for brushing mirror polished floors and smooth concrete. Even brushes up very fine dust and grit.

Special features:
- The fine, dense filament ensures a clean surface finish.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
18	3	Silver plastic filament, flagged	12	79189222	89222
24	3	Silver plastic filament, flagged	12	79189231	89231
36	3	Silver plastic filament, flagged	12	79189225	89225

Continued on next page

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
Pre-drilled, compatible with FlexSweep handle					
24	3	Silver plastic filament, flagged	12	79189223	89223
30	3	Silver plastic filament, flagged	12	79189224	89224

Medium broom, black synthetic bristles

Broom for medium-duty brushing tasks. Broom made of painted hardwood. Excellent for use in workshops and halls. Oil-resistant, washable black synthetic filament with wavy filament in the middle and straight filament around the edge.

Special features:
- Good for sweeping both heavy debris and fine dirt like sawdust and shop waste.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
18	3	Black synthetic filament	12	79189234	89234
36	3	Black synthetic filament	12	79189239	89239
Pre-drilled, compatible with FlexSweep handle					
24	3	Black synthetic filament	12	79189236	89236

Medium brush, brown plastic filament, outer filament spliced

Broom for medium-duty brushing tasks. Broom made of painted hardwood. The filament rows in the middle brush up coarse pieces of dirt, while the spliced plastic filament around the edge brushes up fine dust and grit.

Special features:
- Good for sweeping both heavy debris and fine dirt like sawdust and shop waste.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
24	3	Brown plastic filament, flagged plastic casing	12	79189241	89241
36	3	Brown plastic filament, flagged plastic casing	12	79189243	89243

Medium broom, black Tampico

Broom for medium-duty brushing tasks. Broom made of painted hardwood. Spliced filament for brushing highly polished floors and smooth concrete. Even brushes up very fine dust and grit.

Special features:
- Good for sweeping both heavy debris and fine dirt like sawdust and shop waste.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
18	2-5/8	Black tampico filament	12	79189249	89249
	3	Black tampico filament	12	79189250	89250
24	3	Black tampico filament	12	79189253	89253
30	3	Black tampico filament	12	79189255	89255
Pre-drilled, compatible with FlexSweep handle					
24	2-5/8	Black tampico filament	12	79189252	89252

Medium broom, black Tampico, edged with horsehair

Broom for medium-duty brushing tasks. Painted hardwood body. With black Tampico filament in the middle, surrounded by soft horsehair.

Special features:
- Good for sweeping both heavy debris and fine dirt like sawdust and shop waste.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
18	3	Black tampico filament, horsehair casing	12	79189260	89260
24	3	Black tampico filament, horsehair casing	12	79189261	89261
36	3	Black tampico filament, horsehair casing	12	79189263	89263

Medium broom, foam-plastic body, black synthetic bristles

Broom for medium-duty brushing tasks. Body made of foamed plastic with thread. Black plastic bristles for wet or dry brushing of smooth or rough surfaces.

Special features:
- Good for sweeping both heavy debris and fine dirt like sawdust and shop waste.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
18	3	Black synthetic filament	12	79189273	89273
24	3	Black synthetic filament	12	79189274	89274

Medium broom, yellow synthetic bristles

Broom for medium-duty brushing tasks. Body made of foamed plastic with thread. Dense, yellow plastic filament. For wet or dry brushing. Extremely versatile: for brushing fine dust or construction rubble.

Special features:
- Good for sweeping both heavy debris and fine dirt like sawdust and shop waste.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
24	3	Yellow synthetic filament	12	79189278	89278

Stiff broom, brown/red plastic filament

Broom for the most heavy-duty brushing tasks on concrete and other rough surfaces. Broom made of painted hardwood. Water-resistant brown plastic fibres can be used for wet or dry brushing. Oil-resistant and easy to clean.

Special features:
- Coarse, long filament, ideal for brushing construction rubble, such as gravel and grit.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
18	3	Brown/red plastic filament	12	79189285	89285
36	3	Brown/red plastic filament	12	79189289	89289

Pre-drilled, compatible with FlexSweep handle

24	3	Brown/red plastic filament	12	79189287	89287

Hard broom, stiff Palmyra Fill

Broom for the most heavy-duty brushing tasks on concrete and other rough surfaces. Broom made of painted hardwood. Stiff Palmyra fibres for wet or dry brushing on rough concrete or wooden floors.

Special features:
- Coarse, long filament, ideal for brushing construction rubble, such as gravel and grit.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
36	4	Stiff palmyra filament	12	79189325	89325

Pre-drilled, compatible with FlexSweep handle

18	4	Stiff palmyra filament	12	79189320	89320
24	4	Stiff palmyra filament	12	79189322	89322

Street broom, brown polypropylene filament

For challenging applications, in the workshop, garage or street. High-performance street broom. Sanded hardwood. Durable, stiff synthetic fibers with widened end for a long service life.

Special features:
- Stiff filament with long trim for sweeping very rough surfaces and debris.
- Can be used for texturing concrete.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
Pre-drilled, compatible with FlexSweep handle					
16	5-1/4	Brown polypropylene filament	12	79189348	89348

Street broom, red Palmyra Fill

For challenging applications, in the workshop, garage or street. The angled arrangement of the filament material makes it very well-suited for brushing hard-to-access areas, such as curbs. Made of sanded hardwood with red palmyra filament.

Special features:
- Stiff filament with long trim for sweeping very rough surfaces and debris.
- Can be used for texturing concrete.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
16	6-1/4	Red palmyra filament	12	79189351	89351

Street broom, signal-orange polypropylene filament

For challenging applications, in the workshop, garage or street. Street broom made of sanded hardwood with orange plastic filament. The plastic filament is moisture-resistant and retains its cleaning effect even in wet conditions.

Special features:
- Stiff filament with long trim for sweeping very rough surfaces and debris.
- Can be used for texturing concrete.
- The signal orange color of the plastic filament ensures high visibility in the work area.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
16	5	Bright orange polypropylene filament	12	79189353	89353
24	5	Bright orange polypropylene filament	12	79189355	89355

Strip broom, synthetic bristles

Cost-effective metal frame construction featuring a strip brush for fine sweeping tasks.

Special features:
- High-quality synthetic bristles for a long service life.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
24	3-1/4	Synthetic filament	12	79189315	89315

Broom with wire filament, steel wire, framed with black Tampico

Steel wire broom for use in industrial environments, e.g. foundries. Broom made of painted hardwood with wire in the middle, surrounded by Tampico filament.

Special features:
- Secure anchoring of filament material through the use of hardwood.
- High temperature resistance.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
18	2-7/8	Steel wire, bordered with black Tampico	12	79189362	89362
24	2-7/8	Steel wire, bordered with black Tampico	12	79189363	89363

Wire filament broom, steel wire

Steel wire broom for use in industrial environments, e.g. foundries. Made of sanded hardwood with hardened flat wire filament. For removing stubborn dirt on uneven and rough services, such as roads and concrete.

Special features:
- Secure anchoring of filament material through the use of hardwood.
- High temperature resistance.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
14	5	Steel wire (ST)	12	79189370	89370
16	5	Steel wire (ST)	12	79189381	89381

Hall broom, silver plastic filament, spliced

The special mounting prevents high loads on the broom handle. Painted hardwood. Fine broom for mirror polished floors and smooth concrete. Brushes up very fine dust and grit.

Special features:
- Wide range of brooms for fine to coarse sweeping.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
24	3	Silver plastic filament, flagged	1	79189295	89295

Hall broom, coarse brown plastic filament, outer silver plastic filament spliced

The special mounting prevents high loads on the broom handle. Painted hardwood. Core made of stiff brown plastic filament, surrounded by fine spliced filament. For dry brushing on heavily soiled smooth or rough floors.

Special features:
- Wide range of brooms for fine to coarse sweeping.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
24	3	Coarse brown plastic filament, silver flagged-tip plastic	1	79189301	89301
30	3	Coarse brown plastic filament, silver flagged-tip plastic	1	79189302	89302

Hall broom, brown Palmyra Fill

The special mounting prevents high loads on the broom handle. Painted hardwood. Coarse broom with robust palmyra filament for wet or dry brushing on rough or smooth concrete.

Special features:
- Wide range of brooms for fine to coarse sweeping.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
24	4	Brown palmyra filament	1	79189304	89304

Hall broom, coarse brown plastic filament

The special mounting prevents high loads on the broom handle. Street broom for demanding tasks. Sanded hardwood. Coarse broom for wet or dry brushing on concrete and asphalt. Also ideal for industrial brushing tasks.

Special features:
- Wide range of brooms for fine to coarse sweeping.

L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
24	3	Coarse brown plastic filament	1	79189308	89308

Maintenance brushes
Upright and whisk brooms

Straw broom with scraper, bassine filament

Traditional broom for general cleaning work. Slim broom for heavy-duty brushwork. This broom has a steel chisel stem for hard-to-remove debris, such as chewing gum. Reinforced with wire band.

Special features:
- Available in a variety of natural fibers.

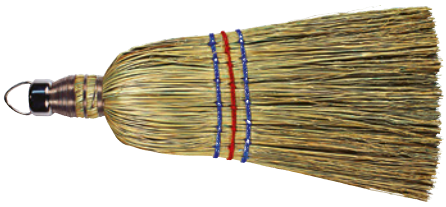
Handle type	L [Inch]	W_F [Inch]	Filament material		Item no.	EDP no.
1-1/8″ dia. x 39″	55	10	Bassine filament	6	79189374	89374

Straw broom, corn filament

Traditional broom for general cleaning work. Specially selected corn filament for light brushwork on smooth floors. Compact triple-bound broom with reinforcement wire for a long service life.

Special features:
- Available in a variety of natural fibers.

Handle type	L [Inch]	W_F [Inch]	Filament material		Item no.	EDP no.
7/8″ dia. x 37″	56	10	Corn filament	1	79189376	89376
1-1/8″ dia. x 37″	56	11	Corn filament	1	79189377	89377



Hand broom made of straw and corn filaments

Traditional hand brush for general cleaning work. Metal cap with hanger ring. For removing dust, fluff and fine dirt. Bound three times.

Special features:
- Available in a variety of natural fibers.

Handle type	L [Inch]	W_F [Inch]	Filament material		Item no.	EDP no.
Metal cap with ring	10	4-1/2	Corn filament	12	79189378	89378

Hand brooms made of straw, Palmyra

Traditional hand brush for general cleaning work. Wire loop handle made of steel. Cost-efficient broom for brushing up dust. With a reinforcement wire.

Special features:
- Available in a variety of natural fibers and handle types.

Handle type	L [Inch]	W_F [Inch]	Filament material		Item no.	EDP no.
Wire loop handle	10	4-1/2	Palmyra	12	79189379	89379

Hand broom made of straw, stiff natural bristles

Traditional hand brush for general cleaning work. With wooden handle and a reinforcement wire.

Special features:
- Available in a variety of natural fibers and handle types.

Handle type	L [Inch]	W_F [Inch]	Filament material		Item no.	EDP no.
Wood grip handle	9-3/4	4-1/2	Stiff natural bristle	12	79189380	89380

Squeegees

Floor squeegees, heavy duty

For removing dirt and liquid from flat surfaces.

Special features:
- Red rubber lip for high flexibility.

L [Inch]	L_T [Inch]	W_F [Inch]	Blade material	Frame plating		Item no.	EDP no.
18	2	3/16	Red rubber	Steel	12	79189471	89471
24	2	3/16	Red rubber	Steel	12	79189472	89472

Floor squeegees, heavy duty

Squeegee for industrial use.

Special features:
- Neoprene blade can be used for chemical and petroleum cleaning.

L [Inch]	L_T [Inch]	W_F [Inch]	Blade material	Frame plating		Item no.	EDP no.
Heavy duty							
18	2	1/4	Neoprene	Cadmium steel	12	79189473	89473
24	2	1/4	Neoprene	Cadmium steel	12	79189474	89474
30	2	1/4	Neoprene	Cadmium steel	12	79189475	89475
36	2	1/4	Neoprene	Cadmium steel	12	79189476	89476
Heavy duty, curved end							
24	2	1/4	Neoprene	Cadmium steel	12	79189478	89478
30	2	1/4	Neoprene	Cadmium steel	12	79189479	89479
36	2	1/4	Neoprene	Cadmium steel	12	79189480	89480

Wood handles

Wooden handles made of smooth, lacquered hardwood. Threaded handles feature 3/4" standard acme threaded tips.

Special features:
- Easily attach to push brooms.

L [ft]	D [Inch]		Item no.	EDP no.
Wood threads				
5	15/16	12	79189883	89883
6	1-1/8	12	79189887	89887
Tapered end				
4-1/2	1-1/8	12	79189897	89897
5	1-1/8	12	79189899	89899

Wood handles

Wooden handles made of smooth, lacquered hardwood. Threaded handles feature 3/4" standard acme threaded tips.

Special features:
- Easily attach to push brooms.

L [ft]	D [Inch]		Item no.	EDP no.
Metal threads				
5	15/16	12	79189889	89889
	1-1/8	12	79189891	89891

Fiberglass handles

Broom handles made of glass reinforced plastic with standard thread tip.

Special features:
- Lightweight broomstick with long service life.
- Available in the "Flo-Thru" version with water shaft for wash brushes.

L [ft]	D [Inch]		Item no.	EDP no.
Fiberglass handle				
5	15/16	12	79189915	89915
Flo-Thru handle				
5	7/8	12	79189919	89919

Wooden handles for hall brooms

Broom handles for special applications.

Special features:
- Quick and easy attachment to special connection systems on floor sweeps.

L [ft]	D [Inch]		Item no.	EDP no.
Contractor handle				
5	1-1/8	12	79189901	89901
Strip broom handle				
5	1-1/8	12	79189903	89903

Handle tip

Converts tapered poles to 3/4" acme threaded poles.

Special features:
- Comes with clamping screw for easy attachment.

D [Inch]		Item no.	EDP no.
Metal threads			
15/16	1	79189925	89925

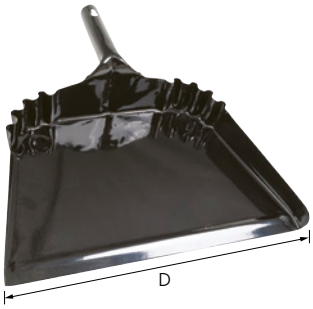
AM STI, Broomstick Accessories

Reusable galvanized steel braces for use on push brooms.

Special features:
- Reinforcement provides added strength and control.

	Item no.	EDP no.
Standard		
1	79189921	89921
Heavy-duty		
1	79189922	89922

Maintenance brushes
Dust pans



Dust pans

Robust enamel-coated metal dustpan.

Special features:
- Black enamel allows for a long service life and easy cleaning.

D [Inch]		Item no.	EDP no.
Metal dust pan			
12	12	79189876	89876
16	12	79189877	89877

Utility brushes

Counter dusters

Hand brush for comfortable, light cleaning and brushing of surfaces, such as counters, tabletops and work surfaces. Available with a wooden or plastic body depending on the version.

Special features:
- Fine, dense fill allows for a cleaner surface.

L [Inch]	L_T [Inch]	Block material	Filament material		Item no.	EDP no.
Premium Line						
8	2-3/4	Wood	Horsehair/nylon mix	12	79189393	89393
9	2-1/4	Wood	Horsehair	12	79189394	89394
Heavy-duty line						
8	2-1/2	Plastic	Black tampico filament	12	79189400	89400

Wash brushes

Fine filament in a plastic body for washing vehicles, windows, and other surfaces.

Special features:
- Soft, flagged synthetic filament will not scratch surfaces.

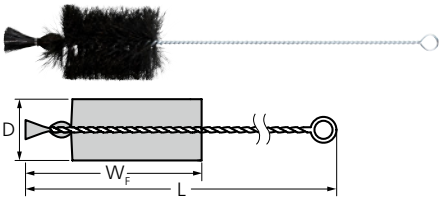
D [Inch]	L_T [Inch]	Block material	Filament material		Item no.	EDP no.
Washing brush, round						
4-1/2	2-1/2	Plastic	Soft grey flagged synthetic fill	6	79189449	89449

Washing brushes, split synthetic trim

Fine filament in a plastic body for washing vehicles, windows, and other surfaces.

Special features:
- Soft, flagged synthetic filament will not scratch surfaces.

L [Inch]	L_T [Inch]	Block material	Filament material		Item no.	EDP no.
Car/Truck Washing Brush, Rectangular						
10	2-1/4	Plastic	Black and white flagged synthetic fill	6	79189456	89456

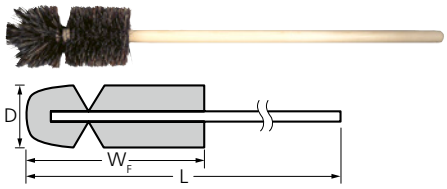


Bottle brushes

For deep cleaning of bottles and narrow, hard-to-reach interiors.

Special features:
- Thorough side and bottom cleaning in hard-to-reach places.

D [Inch]	W_F [Inch]	L [Inch]	Filament material		Item no.	EDP no.
Twisted-in-wire handle						
2-3/4	6-1/2	18	Horsehair	12	79189434	89434
3	6-1/4	18	Horsehair	12	79189435	89435



Can swabbing brush

Wood handle, spiral-wound tampico brush designed for cleaning multi-gallon cans and other containers.

Special features:
- Long wooden handle for deep, efficient cleaning.

D [Inch]	W_F [Inch]	L [Inch]	Filament material		Item no.	EDP no.
Wood handle						
3-3/8	7	25	Grey Tampico	12	79189438	89438

Cleaning Brushes Deck

Coarse filament set in hardwood block. For scrubbing floors made of wood, composite material, and concrete.

Special features:
- Short trim for aggressive cleaning.

L [Inch]	W [Inch]	L_T [Inch]	Block material	Filament material		Item no.	EDP no.
Regular fill, 6 x 18 rows							
10	2-3/4	2	Hardwood	Palmyra	12	79189514	89514
12	2-3/4	1-7/8	Hardwood	Palmyra	12	79189515	89515

Hand scrub brushes

Wooden hand and nail brush.

Special features:
- Plastic filament for a longer service life.

L [Inch]	W [Inch]	L_T [Inch]	Block material	Filament material		Item no.	EDP no.
5	1-1/2	3/4	Hardwood	Plastic filament	12	79189532	89532

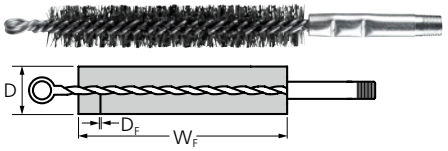
Fender

Comfort-grip handle brushes. For general purpose scrubbing and cleaning.

Special features:
- Ergonomic handle for improved comfort.

L [Inch]	L_T [Inch]	Block material	Filament material		Item no.	EDP no.
Long handle						
21-1/2	2	Plastic	Synthetic filament	12	79189439	89439
			White Tampico	12	79189443	89443
Short handle						
10	2	Plastic	Synthetic filament	12	79189444	89444
			White Tampico	12	79189447	89447

Internal cleaning brushes



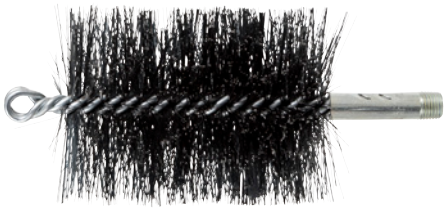
Capacitor, pipe brush

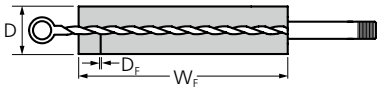
Double stem, double spiral brushes with internal threaded end for handle attachment.

Special features:
- Loop end for easy use.

D [Inch]	W_F [Inch]	Internal thread	External thread	D_F [Inch]		Item no.	EDP no.
Steel wire (ST)							
1/2	4-1/2	5/16-18	1/8" NPT	.010	1	79189643	89643
5/8	4-1/2	5/16-18	1/8" NPT	.010	1	79189644	89644
3/4	4-1/2	5/16-18	1/8" NPT	.010	1	79189645	89645
7/8	4-1/2	5/16-18	1/8" NPT	.010	1	79189646	89646
1	4-1/2	5/16-18	1/8" NPT	.010	1	79189647	89647

Maintenance brushes
Internal cleaning brushes





Flue brushes

Double stem, double spiral brushes with internal threaded end for handle attachment.

Special features:
- Loop end for easy use.

D [Inch]	W_F [Inch]	Internal thread	External thread	D_F [Inch]		Item no.	EDP no.
Steel wire (ST)							
3/4	4-1/2	1/4" NPT	2-1/2" NPT	.010	1	79189649	89649
1	4-1/2	1/4" NPT	2-1/2" NPT	.010	1	79189651	89651
1-1/4	4-1/2	1/4" NPT	2-1/2" NPT	.010	1	79189652	89652
1-1/2	4-1/2	1/4" NPT	2-1/2" NPT	.010	1	79189653	89653
1-3/4	4-1/2	1/4" NPT	2-1/2" NPT	.010	1	79189654	89654
2	4-1/2	1/4" NPT	2-1/2" NPT	.010	1	79189655	89655
2-1/4	4-1/2	1/4" NPT	2-1/2" NPT	.010	1	79189656	89656
2-1/2	4-1/2	1/4" NPT	2-1/2" NPT	.010	1	79189657	89657
2-3/4	4-1/2	1/4" NPT	2-1/2" NPT	.010	1	79189658	89658
3	4-1/2	1/4" NPT	2-1/2" NPT	.010	1	79189659	89659
3-1/4	4-1/2	1/4" NPT	2-1/2" NPT	.010	1	79189660	89660
3-1/2	4-1/2	1/4" NPT	2-1/2" NPT	.010	1	79189661	89661
3-3/4	4-1/2	1/4" NPT	2-1/2" NPT	.010	1	79189662	89662

IBUV extension

Designed for work with tube brushes with a thread.

Special features:
- Optimal access to hard-to-reach areas.
- For a longer overall length, combine the IBUV extensions with the IBUS wire stems or with the SWG quick-change handles.

L [Inch]	Thread		Item no.	EDP no.
Galvanized wire handles				
60	1/4" NPT	1	79189648	89648

Maintenance brushes
Parts cleaning brushes

Parts cleaning brushes

Pointed-end brushes for removing dust and debris. Synthetic tapered handle.

Special features:
- Easy reach into confined areas.

D [Inch]	W_F [Inch]	Filament material		Item no.	EDP no.
Pointed end					
1	2-3/4	Polypropylene	12	79189612	89612
1-1/16	3	Polypropylene	12	79189613	89613
1-1/4	3	Tampico	12	79189610	89610
Flat end					
1	2-3/4	Polypropylene	12	79189614	89614

Dome trim brushes

Cleaning brush with curved filament. Optimal for cleaning motors, fans and other small parts.

Special features:
- Easy reach into confined areas.

D [Inch]	W_F [Inch]	Filament material		Item no.	EDP no.
Black bristle filament					
1	2-1/2	Bristle, black	12	79189615	89615
Nylon filament					
1-1/4	2-3/4	Nylon	12	79189616	89616

Tire brushes

For cleaning tire side walls.

Special features:
- The smooth hardwood handle provides a comfortable hold.

W_F [Inch]	L [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
Brass wire						
2-1/2	8-3/4	5/8	Brass wire (MES)	12	79189620	89620

Paint brushes, red plastic handle, natural bristles

Paint brushes with natural bristles are ideal for use with oil-based paints and varnishes.

Special features:
- Brush with natural bristles for excellent performance, longevity, and versatile use.

W [Inch]	W_F [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
1-1/4	3/8	1-3/4	Natural bristles	20	79189712	89712
2	3/8	1-3/4	Natural bristles	20	79189714	89714
2-1/2	3/8	2	Natural bristles	12	79189715	89715
3	1/2	1-3/4	Natural bristles	10	79189716	89716

Paint brushes, yellow plastic handle, natural bristles

Paint brushes with natural bristles are ideal for use with oil-based paints and varnishes.

Special features:
- Paint brushes with natural bristles are ideal for use with oil-based paints and varnishes.

W [Inch]	W_F [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
1-1/4	3/8	2	Natural bristles	20	79189718	89718
2	1/2	2-1/4	Natural bristles	20	79189719	89719
4	5/8	2-3/4	Natural bristles	10	79189721	89721

Paint brushes, wooden handle, natural bristles

Paint brushes with natural bristles are ideal for use with oil-based paints and varnishes.

Special features:
- Brush with natural bristles for excellent performance, longevity, and versatile use.

W [Inch]	W_F [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
2	3/4	3	Natural bristles	10	79189724	89724
3	7/8	3-1/4	Natural bristles	5	79189725	89725
4	7/8	3-1/2	Natural bristles	5	79189726	89726

Paint brushes, green plastic handle, synthetic bristles

Polyester bristle wall brushes for use with synthetic paints and coatings such as latex paint.

Special features:
- Synthetic bristles provide long, durable service life and easy cleaning.

W [Inch]	W_F [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
1-1/4	3/8	1-3/4	Synthetic filament	20	79189735	89735
2	3/8	2	Synthetic filament	20	79189737	89737
3	1/2	2	Synthetic filament	10	79189739	89739
4	1/2	2-1/4	Synthetic filament	10	79189740	89740

Paint brushes, yellow plastic handle, synthetic bristle

Polyester bristle wall brushes for use with synthetic paints and coatings such as latex paint.

Special features:
- Synthetic bristles provide long, durable service life and easy cleaning.

W [Inch]	W_F [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
1-1/4	3/8	2	Synthetic filament	20	79189741	89741
2	1/2	2-1/4	Synthetic filament	20	79189742	89742
3	1/2	2-1/2	Synthetic filament	10	79189743	89743
4	5/8	2-3/4	Synthetic filament	10	79189744	89744

Paint brushes, wood handle, synthetic bristles

Polyester bristle wall brushes for use with synthetic paints and coatings such as latex paint.

Special features:
- Synthetic bristles provide long, durable service life and easy cleaning.

W [Inch]	W_F [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
1-1/4	1/2	2-1/4	Synthetic filament	20	*79189745*	89745
2	5/8	2-1/2	Synthetic filament	20	79189746	89746
3	3/4	3	Synthetic filament	10	79189747	89747
4	7/8	3-1/4	Synthetic filament	10	79189748	89748

Angular wall brushes, synthetic bristles

Angled trim designed for "cutting in" when painting corners and edges.

Special features:
- Synthetic bristles provide long, durable service life and easy cleaning.

W [Inch]	W_F [Inch]	L_T [Inch]	Filament material		Item no.	EDP no.
1-1/2	1/2	2-1/8	Polyester/nylon mix	10	79189729	89729
2	5/8	2-5/8	Polyester/nylon mix	10	79189730	89730

Discontinued product

PIN, brush, camel hair fill

Natural camel hair bristle brush set in seamless metal ferrule.

Special features:
- Versatile, value-priced brushes for use in painting, marking, and dusting.

W_F [Inch]	Size	L_T [Inch]	Filament material		Item no.	EDP no.
9/64	1	5/8	Camel hair	6	79189839	89839
5/32	2	3/4	Camel hair	6	79189840	89840
3/16	3	7/8	Camel hair	6	79189841	89841
1/4	5	1-1/16	Camel hair	6	79189843	89843
9/32	6	1-1/8	Camel hair	6	79189844	89844

Miscellaneous painters brushes

Stencil brushes

Stencilling brush for the even application of paint through a stencil.

Special features:
- The high filament density and the short, stiff filament prevents color from running under the stencil edges.

W_F [Inch]	Size	L_T [Inch]	Filament material		Item no.	EDP no.
1	6	1-1/8	Bristle, black	12	79189860	89860
1-1/4	8	1-1/2	Bristle, black	12	79189861	89861
1-1/2	10	1-5/8	Bristle, black	12	79189862	89862

Paint brush, round

Brush with natural bristles for painting, cleaning, and applying coatings.

Special features:
- Versatile brush for cost-efficient use.

W_F [Inch]	Size	L_T [Inch]	Filament material		Item no.	EDP no.
7/8	6	2-1/8	Natural bristles	12	79189665	89665
1	8	2-1/8	Natural bristles	12	79189666	89666
1-1/8	10	2-1/2	Natural bristles	12	79189667	89667

Maintenance brushes
Miscellaneous painters brushes

Sash brushes, oval

Paint brushes with natural bristles are ideal for use with oil-based paints and varnishes.

Special features:
- Versatile brush for cost-efficient use.

W_F [Inch]	Size	L_T [Inch]	Filament material		Item no.	EDP no.
1/2	2	1-13/16	Natural bristles	12	79189674	89674
13/16	4	2	Natural bristles	12	79189675	89675
1	6	2-1/16	Natural bristles	12	79189677	89677
1-1/8	8	2-1/4	Natural bristles	12	79189678	89678
1-1/4	10	2-1/4	Natural bristles	12	79189679	89679

Masonry brushes

White tampico fill set in hardwood block. For painting and applying coatings to masonry and concrete.

Special features:
- Coarse, heavy fill ideal for painting on rough surfaces.

L [Inch]	W [Inch]	Rows	L_T [Inch]		Item no.	EDP no.
6-1/2	1-3/4	5	3-1/2	12	79189809	89809

Paint rollers and frames

Economy roller refills

Paint rollers with PVC core for cost-efficient application.

L [Inch]	L_T [Inch]		Item no.	EDP no.
9	3/8	30	79189753	89753

Universal Paint Roller

Knitted roller refills available in a wide range of pile heights.

Special features:
- Provide great coverage with a good surface finish.
- Versatile rollers for a wide range of surface roughnesses.

L [Inch]	L_T [Inch]		Item no.	EDP no.
3	1/4	20	79189768	89768
4	3/8	20	79189770	89770
9	1/4	30	79189755	89755
	3/8	25	79189756	89756
	1/2	20	79189757	89757
	3/4	16	79189758	89758

Lint-free paint roller

For use with semi-gloss and high-gloss paints on smooth surfaces.

Special features:
- Shed-resistant roller will not contaminate surface finish on smooth surfaces.

L [Inch]	L_T [Inch]		Item no.	EDP no.
9	1/4	25	79189796	89796

Time Trimmer Paint Roller

Woven fabric rollers for painting in tight spots. Ideal for quick painting jobs on most surfaces.

Special features:
- Small diameter gets into tight spots and corners.
- Great surface finish.

L [Inch]	L_T [Inch]		Item no.	EDP no.
4	7/16	100	79189779	89779
6	7/16	100	79189780	89780

Paint roller bracket, female thread

For use with economy roller refills.

Special features:
- Value-priced roller cage.

L [Inch]	D [Inch]		Item no.	EDP no.
9	1-1/2	10	79189772	89772

Paint roller bracket, female thread, standard

For use with general-purpose trim rollers (3"–4").

Special features:
- Handle features internal thread for use with handle extension pole.

L [Inch]	D [Inch]		Item no.	EDP no.
3	1-1/2	24	79189774	89774
4	1-1/2	24	79189775	89775

BUG, paint roller holder

For use with "Time-Trimmer" roller refills.

Special features:
- Threaded handle accommodates standard threaded poles.

Frame length [Inch]	Suitable for roll diameter [Inch]		Item no.	EDP no.
12	4–6	20	79189782	89782

Paint trays

Metal paint tray

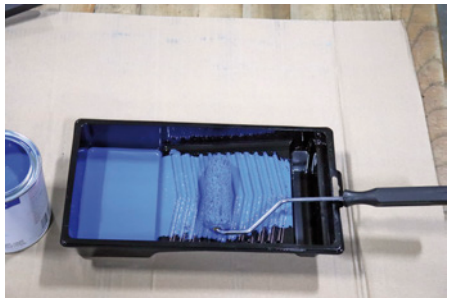
2 qt. capacity tray, for use with all rollers 9" or less.

Special features:
- Galvanized metal for long service life.

Capacity [qt]	Dimensions L x W x H [Inch]		Item no.	EDP no.
2	15-3/4 x 11-3/4 x 3	10	79189776	89776

WAN, tub, time trimmer, 1 liter

6" width tray to fit "Time Trimmer" rollers. 1 quart capacity.



Special features:
- Solvent-resistant material.

Capacity [qt]	Dimensions L x W x H [Inch]		Item no.	EDP no.
1	12-3/4 x 6-7/8 x 2-1/4	20	79189784	89784

WAN, tub, 3.8 liters

Professional-grade tray with 4 quart capacity.

Special features:
- Solvent-resistant material.
- Impact resistant.
- Disposable liners save cleanup time and mess.

Capacity [gal.]	Dimensions L x W x H [mm]		Item no.	EDP no.
1	15 x 11-1/2 x 3-3/4	10	79189777	89777
		25	79189778	89778

PFERD TOOLS

Power tools

Power tools
Table of contents

Power tools

- Highlights from the PFERD TOOLS range 548
- General information 549
- What the machine designations mean 551

Air grinders

- Straight grinder 553
- Angle grinder with collet 554
- Angle grinder with threaded spindle 555
- Belt grinder attachment arm group 2 555
- Marking pens 557

RCK drive systems

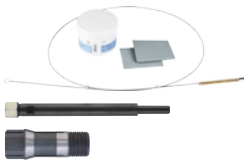
- RCK control device 558
- Handpieces for RCK system 558
- Accessories for RCK system 563

MIM drive systems

- Micro motor system 566
- Micro motor handpieces 566
- Accessories for micro motor systems 568

Drive systems with DIN 10/ DIN 15

- Flexible shaft drives for Mammoth Electronic and accessories 570
- Flexible shaft drives for Maxi-Mammoth Electronic and accessories 571
- Flexible shaft 4 and handpieces 571
- Flexible shaft 6 and handpieces 572
- Flexible shaft 7 and handpieces 573
- Flexible shaft 10 and handpieces 574
- Remote switch for flexible shafts and accessories 576
- Special flexible shafts for inner grinding of pipes and accessories 577
- Handpieces and accessories 578
- Flexible shaft adapter 579
- Extensions 580



Accessories for power tools

- Collets 581
- Key 584
- Maintenance accessories 586

Power tools
Highlights from the PFERD TOOLS range

Robot spindle PGAS 4/52 RS

PFERD TOOLS robot spindles are manufactured according to the most stringent quality criteria and the latest technological standards, and are ideal for stationary applications in robot cells and machine tools and for installation in transfer lines. Scan the QR code to find out more about PFERD TOOLS' range of robot spindles.

Advantages:
- High torque due to planetary gear.
- Very high concentricity in continuous use.
- Double spindle bearing for a longer tool life.

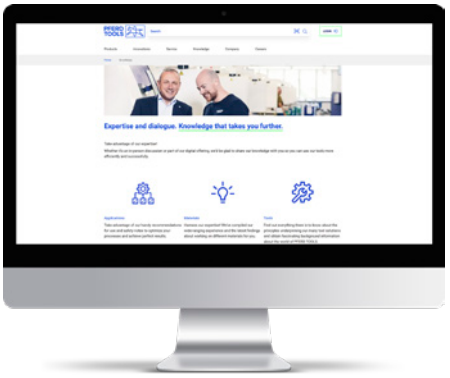
RCK drive system

The RCK drive system with stepless rotational speed regulation is an innovative solution that combines maximum productivity with significant ergonomic benefits. The system produces less noise and lower vibrations than conventional drives. In combination with the mobile control device and various handpieces, the system is particularly light, comfortable and flexible to use for operators. Scan the QR code to find out more about PFERD TOOLS' RCK drive system.

Advantages:
- Boosts productivity by up to 50% thanks to constant rotational speed.
- Comfortable, ergonomic working with fast, optimal results.
- Can be used with a battery for mobile use or a power supply unit, for a variety of industrial applications.

Find additional in-depth information online

Scan the QR code to find out a wide range of tool and application knowledge relating to PFERD TOOLS' high-quality tools and their huge variety of materials.



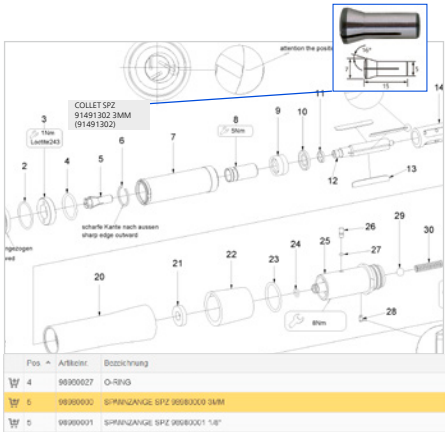
Power tools
General information

The PFERD TOOLS range includes tool drives for grinding, milling, brushing, cutting and polishing in manual applications as well as in robotic and semi-stationary applications. PFERD TOOLS is one of only a few manufacturers that can offer a wide range of tools for work on surfaces and cutting of materials, as well as drives designed specifically for these tools, all from a single source. The wide product range includes air grinders as well as drive systems with DIN 10/DIN 15 and thus offers the best solution for almost any working environment. PFERD tool drives are characterized by their performance and durability. They are less prone to faults and comply with the latest technological standards.

Tool drives from PFERD TOOLS are characterized by their performance and durability. They are less prone to faults and comply with the latest technological standards.

Spare parts catalog

In our online spare parts catalog, we have compiled all the information about every PFERD TOOLS drive. Here you will find exploded drawings and other sketches as well as photos and ordering data for each individual spare part for our drives. With just a few clicks, you can select the required spare parts or spare parts kits, add them to your shopping cart and order them online directly from PFERD TOOLS.



If you ever misplace the operating instructions, you can find them in our spare parts catalogue for download along with other documents such as CE declarations of conformity and illustrated DIY instructions for minor repairs.

Our clearly organized online spare parts catalogue can be found at **spareparts.pferd.com**. In the information area you can see which documents are available for download.

Move your mouse over the different spare parts for your tool drive from PFERD TOOLS to see the exact product specifications. Clicking on the relevant code displays more information and a product image. In the lower section of the image, you have the option of adding the selected spare parts directly to the shopping cart and ordering them.

Scan the QR code to access the online spare parts catalog.

Explanation of pictograms

General

80.000 RPM — Rotational speed

Belt speed

0.7 HP — Power output

13/32" — Matching open-ended wrenches

3/16" — Matching hexagon socket wrenches

Matching face pin spanners

Matching Allen keys

Tool mounting

Clamping width

1/4" — Collet

5/8" — Stud bolt

7/8" — center hole

Guard

4" — Compatible disc diameter

3/4" x 4" — Compatible drum grinder fitting

20-1/2 24 x 1/8-3/8"4" — Belt dimensions

Air grinders

3 Oil /min — Information on use – oil

Oil — Can be used without oil

91 psi — Air pressure

15/32" — Air supply hose diameter

Electric grinders and flexible shaft drives

Voltage

50 Hz — Frequency

Protectively insulated in accordance with protection class II

Protective grounding in accordance with Protection Class I

Isolation transformer

Safety extra-low voltage in accordance with protection class III

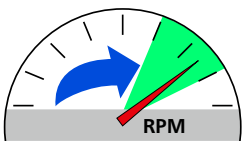
Flexible shafts

DIN 10 — Drive-side shaft connection

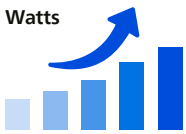
G22 — Handpiece-side sliding coupling

Criteria for selecting the optimum drive

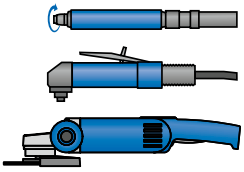
An important prerequisite for cost-effective work is selecting the optimum tool. The appropriate drive is selected taking the following criteria into consideration:



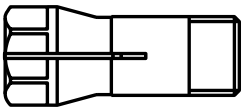
1. Rotational speed
The drive should always be selected according to the rotational speed and peripheral speed recommendations for the product. Refer to catalog sections 2 to 8 and 10 for these recommendations.



2. Power output
The drive's power output is the decisive factor for maintaining the rotational speed under load. The load is determined by the material to be machined, the cutting characteristics of the tool and the contact pressure.



3. Design, shape and size
Each type of application places specific demands on the design and size of the tool drive. The different designs can be used for various applications,

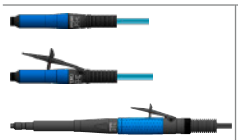
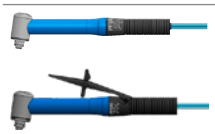


4. Tool mounting
Depending on the selected product from PFERD TOOLS, different tool mountings are available, e.g. collets or threaded spindles. Matching collets are allocated to every drive. Please refer to the accessories for tool drives in this catalog for an overview of collets and spindle extensions.

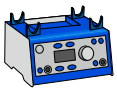
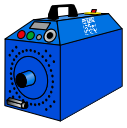
Power tools
What the machine designations mean

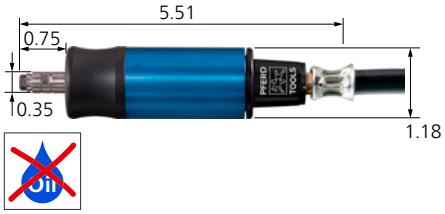
The PFERD TOOLS machine designations are structured to provide information about the drive type, as well as designs, throttle types and tool mountings. They also enable you to quickly and easily select the right rotational speed and performance classes for the various machine types.

The following overview provides a concise summary:

Figure	Description				Performance group	Rotational speed	Designs, throttle types, tool mountings
Air grinders							
	**P** Pneumatic	**G** Straight grinder	**A** Rear exhaust	**S** Collet	**2** x 100 watts	**800** x 100 RPM	**E** Elastic bearing **M** Medium length **V** Extended **DV** Ring throttle **HV** Lever throttle
	**P** Pneumatic	**W** Angle grinder	**A** Rear exhaust	**S** Collet	**1** x 100 watts	**800** x 100 RPM	**HV** Lever throttle
RCK drive system							
	RCK RCK	**STG** Control device			**10** x 100 watts	**800** x 100 RPM	
Performance class up to 200 watts							
	RCK RCK	**G** Straight grinder	**S** Collet		**2** x 100 watts	**800** x 100 RPM	**VS** Extended spindle **SP** Keyless quick-mounting system
	RCK RCK	**W** Rear exhaust	**S** Collet		**1** x 100 watts	**300** x 100 RPM	**45°** 45 degree angle handpiece **90°** 90 degree angle handpiece
Performance class 400 watts							
	RCK RCK	**G** Straight grinder	**S** Collet		**4** x 100 watts	**400** x 100 RPM	
	RCK RCK	**W** Rear exhaust	**S** Collet		**4** x 100 watts	**200** x 100 RPM	**90°** 90 degree angle handpiece
	RCK RCK	**B** Belt grinder			**4** x 100 watts	**200** x 100 RPM	

Power tools
What the machine designations mean

Figure	Description				Performance group	Rotational speed	Designs, throttle types, tool mountings
MIM drive system							
	**MIM** Micro motor	**STG** Control device	**3** Version	**S** with switch	**3** x 100 watts	**800** x 100 RPM	
	MIM Micro motor	**HA** Straight handpiece		**S** with switch	**3** x 100 watts	**800** x 100 RPM	**VS** Extended spindle **SP** Keyless quick-mounting system **1/8** Incl. collet dia. in inch
	MIM Micro motor	**WZ** Angle handpiece		**S** with switch	**3** x 100 watts	**300** x 100 RPM	**90°** 90 degree angle handpiece **S** Collet **1/8** Incl. collet dia. in inch
DIN 10/DIN 15 drive systems							
	**ME** Mammoth electronic		**W** Alternating current		**18** x 100 watts	**240** x 100 RPM	



PGTS 1/1100 DV

Sophisticated air-powered straight grinder with turbine motor, exhaust directed to the front and ring throttle version. Offers high cutting speed for TC burrs and mounted points.

Contents:
4.92' air supply hose with 1/4" NPT male thread connection, SPZ GR.15 1/8", 2 keys (DM SW 6/8 mm).

Special features:
- No oil residues on the workpiece.

Rotational speed [RPM]	Power output [HP]	Air consumption at idle [cfm]	Air consumption under load [cfm]	Air supply hose internal dia. [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
110,000	0.15	11.3	5.3	15/64	0.414	89910018	90012	PGTS 1/1100 DV

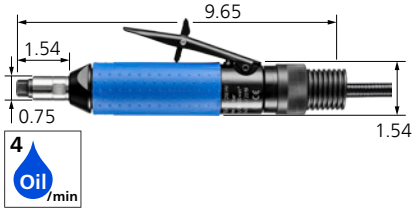
PGAS 3/380 E-HV

Sophisticated air-powered straight grinder with exhaust directed to the rear and dead man's switch using safety lever valve.

Contents:
3.28' exhaust and 8.2' air supply hose with 1/4" NPT male thread connections, SPZ GR.6 1/4", 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Special features:
- Elastically mounted spindle guarantees a longer service life, especially when using carbide burs.
- Low vibration.
- The compact design enables good accessibility.

Rotational speed [RPM]	Power output [HP]	Air consumption at idle [cfm]	Air consumption under load [cfm]	Air supply hose internal dia. [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
38,000	0.39	24.72	21.19	5/16	1.129	89910032	90043	PGAS 3/380 E-HV



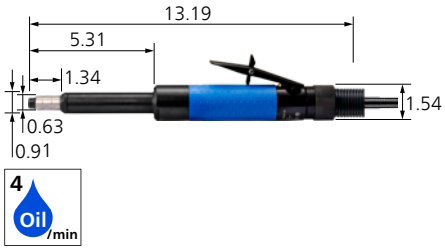
PGAS 4/250 HV

Sophisticated air-powered straight grinder with exhaust directed to the rear and dead man's switch using safety lever valve. Can also be operated without oil; however, this will lead to a shorter service life and reduced rotational speed and power output.

Contents:
3.28' exhaust and 8.2' air supply hose with 1/4" NPT male thread connections, SPZ GR 20 1/4", 2 keys (1x EM SW 12 mm, 1x EM SW 17 mm).

Special features:
- Very powerful with a compact design.

Rotational speed [RPM]	Power output [HP]	Air consumption at idle [cfm]	Air consumption under load [cfm]	Air supply hose internal dia. [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
25,000	0.59	34.61	30.72	5/16	1.830	89910030	90041	PGAS 4/250 HV



PGAS 4/250 M-HV

Sophisticated air-powered straight grinder with exhaust directed to the rear and dead man's switch using safety lever valve.

Contents:
3.28' exhaust and 8.2' air supply hose with 1/4" NPT male thread connections, SPZ GR.6 1/4", 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Special features:
- Medium-length design for use when access is restricted.

Rotational speed [RPM]	Power output [HP]	Air consumption at idle [cfm]	Air consumption under load [cfm]	Air supply hose internal dia. [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
25,000	0.59	34.61	30.72	5/16	2.641	89910031	90042	PGAS 4/250 M-HV

5 Oil /min

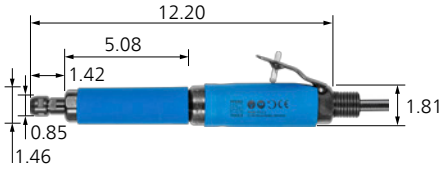
PGAS 8/100 HV

Sophisticated air-powered straight grinder with exhaust directed to the rear and dead man's switch using safety lever valve.

Contents:
3.28' exhaust and 9.84' air supply hose with 1/4" NPT male thread connection, SPZ Size 7 1/4", 2 keys (1x EM SW 5/16", 1x EM SW 3/4").

Special features:
- Constant power delivery due to the centrifugal governor.
- Compact design.

Rotational speed [RPM]	Power output [HP]	Air consumption at idle [cfm]	Air consumption under load [cfm]	Air supply hose internal dia. [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
10,000	0.8	6	30.02	21/64	2.205	89910053	90064	PGAS 8/100 HV



5 Oil /min

PGAS 8/100 V-HV

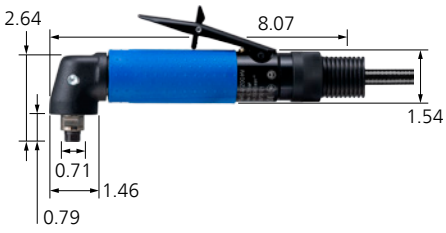
Sophisticated air-powered straight grinder with exhaust directed to the front and dead man's switch using safety lever valve. Good size/weight to output ratio.

Contents:
3.28' exhaust and 9.84' air supply hose with 1/4" NPT male thread connections, SPZ Size 7 1/4", 2 keys (1x EM SW 9/16", 1x EM SW 3/4").

Special features:
- Extended version for work in hard-to-reach areas.
- Constant power delivery due to the centrifugal governor.

Rotational speed [RPM]	Power output [HP]	Air consumption at idle [cfm]	Air consumption under load [cfm]	Air supply hose internal dia. [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
10,000	0.8	6	30.02	21/64	3.086	89910054	90065	PGAS 8/100 V-HV

Angle grinder with collet



3 Oil /min

PWAS 4/200 HV

Sophisticated compressed-air angle grinder with exhaust directed to the rear, dead man's switch using safety lever valve and collet. Ideal for work in hard-to-reach areas.

Contents:
3.28' exhaust hose and 8.2' air supply hose with 1/4" NPT male thread connection, SPZ GR.6 1/4", 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Special features:
- Low angle head height.

Rotational speed [RPM]	Power output [HP]	Air consumption at idle [cfm]	Air consumption under load [cfm]	Air supply hose internal dia. [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
20,000	0.5	24.72	21.19	5/16	2.028	89920013	90524	PWAS 4/200 HV

Air grinders
Angle grinder with threaded spindle

PWA 2/120 HV

Sophisticated compressed-air angle grinder with 1/4-20 UNC threaded spindle, exhaust directed to the rear and dead man's switch.

Contents:
3.28 inch exhaust hose and 8.2 inch air supply hose with 1/4" NPT male thread connection, 1 key (EM SW 11 mm).

Special features:
- Special spindle for holding all COMBIDISC® tools (use a backing pad without shank).
- Flat angle head for work in hard-to-reach areas.

Rotational speed [RPM]	Power output [HP]	Air consumption at idle [cfm]	Air consumption under load [cfm]	Air supply hose internal dia. [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
12,000	0.31	19.42	15.89	15/64	1.138	89920012	90523	PWA 2/120 HV

Extensions for drive spindles

The shank of the abrasive disc holders can be replaced by compatible adapters. This enables the abrasive disc holder to be mounted directly to the drive spindle of the tool drive. Designed for drives with spindle 1/4-20 UNC.

Net weight [lb]	Item no.	EDP no.	Designation
0.022	87100727	95808	SPV20 CD 1/4-20 UNC

Belt grinder attachment arm group 2

Belt grinder attachment arm BSVA 9/25-1

Belt grinder attachment arm in robust design and extremely slim fixing lug on the facing roller. With belt arm guide that can be fixed.

Special features:
- Allows for use of the full roller width.
- With conical guide roller (range 1 mm).

Width x roll dia. [Inch]	Suitable belt width [Inch]	Suitable belt length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
0.35 x 0.98	1/8, 1/4, 3/8, 1/2	20-1/2, 24	0.209	84200072	95021	BSVA 9/25-1 x 520

Belt grinder attachment arm BSVA 4/16

Belt grinder attachment arm in robust design and extremely slim fixing lug on the facing roller. With belt arm guide that can be fixed.

Special features:
- Allows for use of the full roller width.

Width x roll dia. [Inch]	Suitable belt width [Inch]	Suitable belt length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
0.16 x 0.63	1/8, 1/4, 3/8	20-1/2, 24	0.132	84200050	95018	BSVA 4/16 x 520

Belt grinder attachment arm BSVA 9/16

Belt grinder attachment arm in robust design and extremely slim fixing lug on the facing roller. With belt arm guide that can be fixed.

Special features:
- Allows for use of the full roller width.

Width x roll dia. [Inch]	Suitable belt width [Inch]	Suitable belt length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
0.35 x 0.63	3/8, 1/2	20-1/2, 24	0.212	84200060	95019	BSVA 9/16 x 520

Belt grinder attachment arm BSVA 12/19

Belt grinder attachment arm in robust design and extremely slim fixing lug on the facing roller. With belt arm guide that can be fixed.

Special features:
- Allows for use of the full roller width.

Width x roll dia. [Inch]	Suitable belt width [Inch]	Suitable belt length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
0.47 x 0.75	1/2, 5/8	20-1/2, 24	0.236	84200080	95022	BSVA 12/19 x 520

Belt grinder attachment arm BSVA 9/25

Belt grinder attachment arm in a robust design with an extremely narrow fixing lug on the front roller. Features asymmetrical arms for flush side-by-side operation and a lockable belt arm guide.

Special features:
- Allows for use of the full roller width.

Width x roll dia. [Inch]	Suitable belt width [Inch]	Suitable belt length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
0.35 x 0.98	1/8, 1/4, 3/8, 1/2, 5/8	20-1/2, 24	0.209	84200070	95020	BSVA 9/25 x 520

Belt grinder attachment arm BSVA 18/23

Belt grinder attachment arm in robust design. With belt arm guide that can be fixed.

Special features:
- With metal roller and pad for stabilization/ support.

Width x roll dia. [Inch]	Suitable belt width [Inch]	Suitable belt length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
0.71 x 0.91	3/4	20-1/2, 24	0.331	84200085	95023	BSVA 18/23 x 520

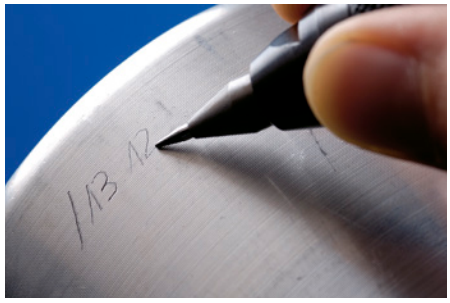
Adapter for the belt grinder attachment arm group 2

Adapter for belt grinder attachment arm. Enables the use of belts with a belt length of 610 mm and a belt width of 3 – 20 mm.

Suitable belt length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
24	0.176	84200230	95016	BSAD 41/36 x 610

MST 32 DV

Compressed-air marking pen with exhaust directed to the front, ring throttle version and very high stroke frequency. For applying markings and labels on metal, glass, plastics. Easy guidance thanks to slim design.



Contents:
2.5 m air supply hose with 1/4" male threaded connection and threaded quick coupling (STGI), TC engraving needle.

Special features:
- F type with fine engraving needle suitable for applying markings and labels on hardened tool steel.
- M type with medium engraving needle.
- G type with coarse engraving needle.

Frequency [strokes/min]	Air consumption at idle [cfm]	Air consumption under load [cfm]	Air supply hose internal dia. [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
32,000	1.06	0.02	5/32	0.335	80600140	90701	MST 32 DV M

Control Unit RCK STG 10/800

Control device that enables different handpieces to be actuated precisely. Achieves a maximum rotational speed of 80,000 RPM and keeps it stable during operation.

Contents:
Battery or power supply unit must be ordered separately.

Special features:
- Equipped with intelligent control electronics.
- Comes with a sturdy design.
- Can run on battery power or with a power supply unit.

Max. rotational speed [RPM]	Max. power consumption [watts]	Max. power output [watts]	Max. output voltage [volts]	Max. supply voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
80,000	1,560	1,000	58	58	10.869	83001000	-	RCK STG 10/800

Handpieces for RCK system

Straight handpiece RCK GS 2/800 SP 1/8"

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

Contents:
5.91' handpiece cable, SPZ Size 17 1/8", 1x blind shank BSC 1/8", 2 keys (1x MIM SPS DK D 7, 1x MIM ARS HA D 23.5 mm)

Special features:
- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.
- Start interlock without clamped tool.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
80,000 – 40,000	0.24	58	0.728	83002007	-	RCK GS 2/800 SP 1/8"

Straight handpiece RCK GS 1/700 1/8"

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

Contents:
5.91' handpiece cable, SPZ GR 18 1/8", 2 keys (1x SPS VK 4 mm, 1x STS D 2.35 mm)

Special features:
- Straight handpiece with aluminum housing with a particularly slim and light design.
- Very high concentricity speed and very quiet.
- Low-maintenance thanks to brushless motor for delicate work.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
70,000 – 35,000	0.16	58	0.210	83002008	-	RCK GS 1/700 1/8"

Straight handpiece RCK GS 2/600 Z-SP 1/8"

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

Contents:
5.91' handpiece cable, SPZ GR.17 1/8", 3 keys (1x MIM SPS DK D 7, 1x DM SW 10/10 mm, 1x BSC 2.35 mm), 1x BSC 1/8" blind shank.)

Special features:
- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.
- Start interlock without clamped tool.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
60,000 – 30,000	0.2	58	0.573	83002009	-	RCK GS 2/600 Z-SP 1/8''

Straight handpiece RCK GS 2/600 SP 1/8"

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

Contents:
5.91' handpiece cable, SPZ Size 17 1/8", 2 keys (1x MIM SPS DK D 7, 1x MIM ARS HA D 23.5 mm), 1x blind shank BSC 1/8''.

Special features:
- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.
- Start interlock without clamped tool.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
60,000 – 30,000	0.2	58	0.694	83002010	-	RCK GS 2/600 SP 1/8''

Straight handpiece RCK GS 2/600 1/8"

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

Contents:
5.91' handpiece cable, SPZ size 3/4 1/8", 2 keys (1x DM SW 10/10 mm, 1x MIM DSTS SW 11x D 2.4 mm), 1x blind shank BSC 1/8''.

Special features:
- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
60,000 – 30,000	0.2	58	0.866	83002011	-	RCK GS 2/600 1/8''

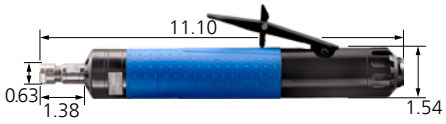
Straight handpiece RCK GS 2/500 V-SP 1/8"

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

Contents:
5.91' handpiece cable, SPZ size 17 1/8", 2 keys (1x MIM ARS HA D 23.5 mm, 1x MIM SPS DK D 7), 1x blind shank BSC 1/8''.

Special features:
- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.
- Start interlock without clamped tool.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
50,000 – 25,000	0.2	58	0.717	83002012	-	RCK GS 2/500 V-SP 1/8''



RCK GS 1/4″ handpieces, Power Class 400 watts

The RCK handpieces in the 400-watt power class feature a brushless motor with high speed stability and improved ergonomics.

Contents:
6.56′ handpiece cable (RCK AK 2 m), SPZ Size 21 1/4″, 2 keys (2x EM SW 14)

Special features:
- Unique, sturdy design for particularly quiet working.
- Low-maintenance thanks to a brushless motor.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
40,000 – 20,000	0.51	58	1.951	83004004	-	RCK GS 4/400 1/4''
10,000 – 5,000	0.51	58	1.933	83004005	-	RCK GS 4/100 1/4''
5,000 – 2,500	0.51	58	1.930	83004006	-	RCK GS 4/50 1/4''

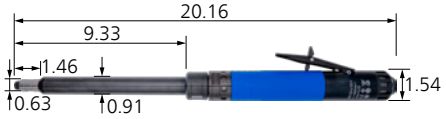
Handpieces RCK GS M 1/4″ Power Class 400 watts

The RCK handpieces in the 400-watt power class feature a brushless motor with high speed stability and improved ergonomics.

Contents:
2 m handpiece cable (RCK AK 2 m), SPZ GR.6 1/4″ collet, 2 collet keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Special features:
- Medium-length design for use when access is restricted.
- Unique, sturdy design for particularly quiet working.
- Low-maintenance thanks to a brushless motor.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
10,000 – 5,000	0.51	58	2.780	83004028	-	RCK GS 4/100 M 1/4"
5,000 – 2,500	0.51	58	2.780	83004030	-	RCK GS 4/50 M 1/4"



Handpieces RCK GS V 1/4″ Power Class 400 watts

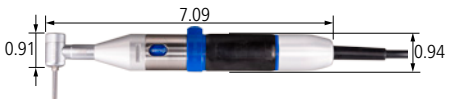
The RCK handpieces in the 400-watt power class feature a brushless motor with high speed stability and improved ergonomics.

Contents:
2 m handpiece cable (RCK AK 2 m), SPZ GR.6 1/4″ collet, 2 collet keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Special features:
- Extended design, ideal for working in hard-to-reach areas.
- Unique, sturdy design for particularly quiet working.
- Low-maintenance thanks to a brushless motor.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
10,000 – 5,000	0.51	58	3.220	83004029	-	RCK GS 4/100 V 1/4"
5,000 – 2,500	0.51	58	3.220	83004031	-	RCK GS 4/50 V 1/4"

New item



Angle handpiece RCK WS 1/300 90° 1/8"

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

Contents:
5.91' handpiece cable, SPZ GR.18 1/8", 2 keys (1x MIM ARH, 1x DM SW 4/4 mm), 1x blind shank BSC 1/8''.

Special features:
- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
30,000 – 15,000	0.16	58	0.540	83002013	-	RCK WS 1/300 90° 1/8''

Angle Handpiece RCK WS 1/300 90° 1/8"

The RCK Silverline handpiece, with a power rating of up to 200 watts, features a brushless motor with high speed stability and improved ergonomics.

Contents:
2 m handpiece cable, SPZ GR.18 1/8" collet, 2 collet keys (1x MIM ARH, 1x DM SW 4/4 mm), 1x BSC 1/8" blind shank.

Special features:
- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.
- With a 90° angle head for optimal access to hard-to-reach areas.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
30,000 – 15,000	0.16	58	0.390	83002017	-	RCK WS 1/300 90° 1/8''

Angle handpiece RCK WS 1/300 45° 1/8"

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

Contents:
5.91' handpiece cable, SPZ Size 18 1/8", 2 keys (1x MIM ARH, 1x DM SW 4/4 mm), 1x blind shank BSC 1/8''.

Special features:
- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
30,000 – 15,000	0.16	58	0.536	83002014	-	RCK WS 1/300 45° 1/8''

New item

Angle handpiece RCK WS 1/300 45° 1/8"

The RCK Silverline handpiece, with a power rating of up to 200 watts, features a brushless motor with high speed stability and improved ergonomics.

Contents:
2 m handpiece cable, SPZ GR.18 1/8" collet, 2 collet keys (1x MIM ARH, 1x DM SW 4/4 mm), 1x BSC 1/8" blind shank.

Special features:
- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.
- With a 45° angle head for optimal access to corners and hard-to-reach areas.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
30,000 – 15,000	0.16	58	0.390	83002018	-	RCK WS 1/300 45° 1/8''

Angle handpieces RCK WS 90° 1/4" Power class 400 watts

The RCK angle handpieces in the 400-watt power class feature a brushless motor with high speed stability and improved ergonomics. They are ideally suited for working in hard-to-reach areas.

Contents:
6.56' handpiece cable (RCK AK 2 m), SPZ size 6 1/4", 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Special features:
- High-performance angle handpieces with a robust design and innovative construction for exceptionally quiet operation.
- The 90° angle head is ideal for working in hard-to-reach areas.
- Low-maintenance thanks to a brushless motor.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
20,000 – 10,000	0.51	58	2.580	83004013	-	RCK WS 4/200 90° 1/4''
10,000 – 5,000	0.51	58	2.580	83004014	-	RCK WS 4/100 90° 1/4''
5,000 – 2,500	0.51	58	2.600	83004016	-	RCK WS 4/50 90° 1/4"

Angle handpieces RCK WS 45° 1/4" Power Class 400 watts

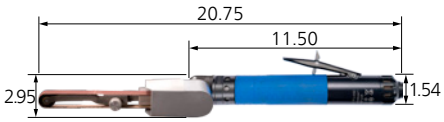
The RCK angle handpieces in the 400-watt power class feature a brushless motor with high speed stability and improved ergonomics.

Contents:
2 m handpiece cable (RCK AK 2 m), SPZ GR.6 1/4" collet, 2 collet keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Special features:
- High-performance angle handpieces with a robust design and innovative construction for exceptionally quiet operation.
- With a 45° angle head for optimal access to corners and hard-to-reach areas.
- Low-maintenance thanks to a brushless motor.

Rotational speed range [RPM]	Power output [HP]	Max. voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
25,000 – 15,000	0.51	58	2.760	83004033	-	RCK WS 4/250 45° 1/4''
7,000 – 3,500	0.51	58	2.600	83004035	-	RCK WS 4/70 45° 1/4"

New item



RCK Belt Sander Handpieces

RCK belt sander handpieces with a power rating of 400 watts in a robust design. Low-maintenance thanks to a brushless motor.

Contents:
2 m handpiece cable (RCK AK 2 m), 2 keys (1x SKS SW 3 mm, 1x SKS SW 4 mm), protective cover.

Special features:
- Suitable for belt grinder attachment arms from group 2.
- *The BSAD 41/36 x 610 belt grinding adapter achieves a belt length of 610 mm.

Belt speed [SFPM]	Power output [HP]	Suitable belt width [Inch]	Suitable belt length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
4.744 – 2.362	0.51	1/8-5/8	20-1/2	3.009	83004021	-	RCK B 4/200
2.362 – 1.181	0.51	1/8-5/8	20-1/2	2.994	83004022	-	RCK B 4/100

Accessories for RCK system

High-performance rechargeable battery RCK BAT

High-performance rechargeable battery with 50.4 V nominal voltage.

Special features:
- Work safely with safety extra-low voltage.
- Overload protection.

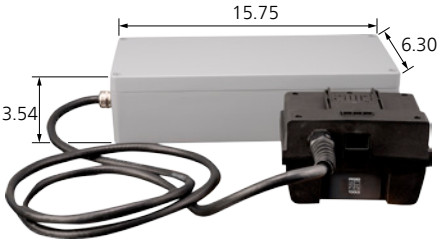
Cell type	Nominal voltage [volts]	Nominal capacity [Ah]	Energy [Wh]	Net weight [lb]	Item no.	EDP no.	Designation
Lithium-ion	50.4	5.6	282.24	4.300	98990001	-	RCK BAT

Rapid charger RCK SL

Rapid charger with universal IEC power connector.

Contents:
2 m power cable and mains connector for the USA.

Input voltage [VAC]	Frequency [Hz]	Max. power consumption [watts]	Max. charging current [A]	Net weight [lb]	Item no.	EDP no.	Designation
100 – 240	50 – 60	300	4.6	2.690	98990016	-	RCK SL



Electronic power supply unit RCK NT US

Electronic power supply unit with universal IEC power connector and dust-protected housing.

Contents:
2 m power cable and mains connector for the USA.

Input voltage [V/V]	Nominal current [A/A]	Frequency [Hz]	Nominal voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
120 / 240	9 / 6.5	50 – 60	57.5	12.368	98990026	-	RCK NT

Foot switch RCK FU-R

Vario foot switch which can be connected on the rear of the RCK control device and can be used to control the rotational speed of the RCK handpieces.

Net weight [lb]	Item no.	EDP no.	Designation
1.863	98990030	-	RCK FU-R

Foot switch RCK FU-E/A

An on/off foot switch that can be connected to the back of the RCK control unit and used to turn the RCK handpieces on and off.

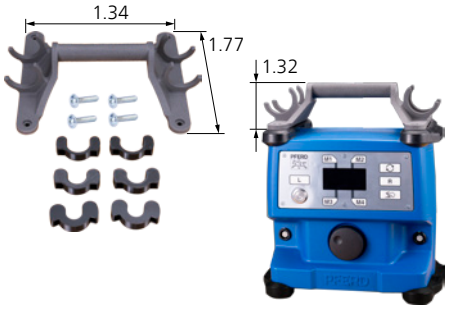
Net weight [lb]	Item no.	EDP no.	Designation
0.683	98990031	-	RCK FU-E/A

Handpiece support set RCK HA A SET

The RCK handpiece support set makes it possible to keep the handpieces tidy and secure on the control device.

Contents:
2x pan head screws M5 x 251, key (SKS SW 3 mm)

Net weight [lb]	Item no.	EDP no.	Designation
0.070	*98991074*	-	RCK HA A-SET



Grip and reducers RCK GR STG KPL

The grip and the reducers are fastened to the control device. The set consists of an RCK grip which makes it easier to transport the RCK control device, plus two handpiece reducers for secure placement with a diameter of 24 mm and two with a diameter of 30 mm.

Contents:
2x handpiece holder reducer RCK D24, 2x handpiece holder reducer RCK D30, 4x pan head screw M5 x 25, key (SKS SW 3 mm)

Special features:
- Ensure that the handpieces are securely fastened to the control device.

Net weight [lb]	Item no.	EDP no.	Designation
0.617	*98991100*	-	RCK GR STG KPL

Connecting cable RCK AK 1,5/2/3/5

RCK connecting cable measuring 1.5, 3 and 5 meters for the use of RCK handpieces. Only suitable for **RCK handpieces > 300 watts**.

Length [ft]	Net weight [lb]	Item no.	EDP no.	Designation
4.92	0.432	98990040	-	RCK AK 1.5 m
6.56	0.542	98990041	-	RCK AK 2 m
9.84	0.763	98990042	-	RCK AK 3 m
16.4	1.204	98990043	-	RCK AK 5 m

MIM STG3S 3/800

Micro motor control device with high power stability for steplessly controlling the rotational speed of micro motor handpieces.The rotational speed control can be provided by hand or via foot switch.

Contents:
2 m power cable with mains connector for the USA, 2 handpiece supports.

Special features:
- Max. 80,000 RPM clockwise rotation, max. 30,000 RPM anti-clockwise rotation.
- 2 switchable connection sockets for micro motor handpieces.
- 4 free rotational speed storage spaces per connected handpiece.

For micro motor handpieces [RPM]	Power output [HP]	Voltage [volts] 50–60 Hz	Output voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
80,000 – 1,000	0.47	115	50	6.570	89960125	91531	MIM STG3S 3/800 115V

Micro motor handpieces

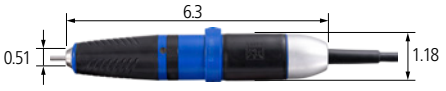
Micro motor handpiece MIM HAS 3/800 SP1/8”

Micro motor handpiece with high power stability, very high rotation accuracy and brushless motor.

Contents:
2 m handpiece cable, SPZ GR.17 3 mm, 1x blind shank BSC 3 mm, 2 keys (1x MIM ARS HA D 23.5 mm, 1x MIM SPS DK D 7).

Special features:
- Automatic speed limitation.
- Start interlock without clamped tool.

Rotational speed range [RPM]	Power consumption [HP]	Power output [HP]	Nominal voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
80,000 – 1,000	0.47	0.24	50	0.728	89960134	91540	MIM HAS 3/800 SP1/8”



Micro motor handpiece MIM HAS 2/600 SP1/8”

Micro motor handpiece with high power stability, very high rotation accuracy and brushless motor.

Contents:
1.8 m handpiece cable, SPZ GR.17 3 mm, 1x BSC 3 mm blind shank, 3 keys (1x MIM SPS DK 7, 1x DM SW 10/10 mm, 1x BSC 2.35 mm).

Special features:
- Automatic speed limitation.
- Start interlock without clamped tool.

Rotational speed range [RPM]	Power consumption [HP]	Power output [HP]	Nominal voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
60,000 – 1,000	0.35	0.2	36 / 50	0.570	89960129	91535	MIM HAS 2/600 SP1/8”

Micro motor handpiece MIM HAS 3/600 SP1/8"

Micro motor handpiece with high power stability, very high rotation accuracy and brushless motor.

Contents:
2 m handpiece cable, SPZ GR.17 3 mm, 1x blind shank BSC 3 mm, 2 keys (1x MIM ARS HA D 23.5 mm, 1x MIM SPS DK D 7).

Special features:
- Automatic speed limitation.
- Start interlock without clamped tool.

Rotational speed range [RPM]	Power consumption [HP]	Power output [HP]	Nominal voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
60,000 – 1,000	0.35	0.2	36 / 50	0.694	89960130	91536	MIM HAS 3/600 SP1/8"

Micro motor handpiece MIM HAS 3/600 S1/8"

Micro motor handpiece with high power stability, very high rotation accuracy and brushless motor.

Contents:
2 m handpiece cable, 2 keys (1x DM SW 10/10 mm, 1x MIM DSTS SW 11x D 2.4 mm), SPZ GR.3/4 3 mm, 1x blind shank BSC 3 mm.

Special features:
- Automatic speed limitation.

Rotational speed range [RPM]	Power consumption [HP]	Power output [HP]	Nominal voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
60,000 – 1,000	0.35	0.2	36 / 50	0.866	89960132	91538	MIM HAS 3/600 S1/8"

Micro motor handpiece MIM HAS 3/500 VS-SP1/8"

Micro motor handpiece with high power stability, very high rotation accuracy and brushless motor.

Contents:
2 m handpiece cable, SPZ GR.17 3 mm, 1x blind shank BSC 3 mm, 2 keys (1x MIM ARS HA D 23.5 mm, 1x MIM SPS DK D 7).

Special features:
- Automatic speed limitation.
- Start interlock without clamped tool.

Rotational speed range [RPM]	Power consumption [HP]	Power output [HP]	Nominal voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
50,000 – 1,000	0.35	0.2	36 / 50	0.717	89960131	91537	MIM HAS 3/500 VS-SP1/8"

Micro motor handpiece MIM WZS 3/300 90° S1/8"

Micro motor handpiece with high power stability, very high rotation accuracy and brushless motor.

Contents:
1.8 m handpiece cable, SPZ Size 18 3 mm, 1x blind shank BSC 3 mm, 2 keys (1x MIM ARH, 1x DM SW 4/4 mm).

Special features:
- Automatic speed limitation.

Rotational speed range [RPM]	Power consumption [HP]	Power output [HP]	Nominal voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
30,000 – 1,000	0.35	0.16	36 / 50	0.525	89960135	91541	MIM WZS 3/300 90° S1/8"

Micro motor handpiece MIM WZS 3/300 45° S1/8”

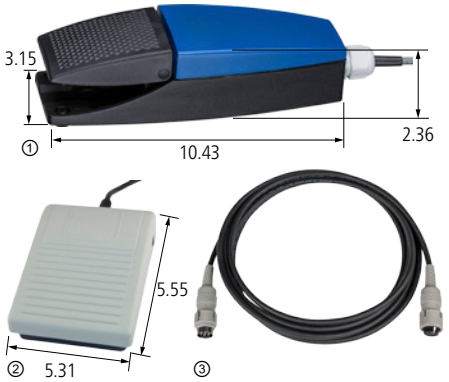
Micro motor handpiece with high power stability, very high rotation accuracy and brushless motor.

Contents:
1.8 m handpiece cable, SPZ Size 18 3 mm, 1x blind shank BSC 3 mm, 2 keys (1x MIM ARH, 1x DM SW 4/4 mm).

Special features:
- Automatic speed limitation.

Rotational speed range [RPM]	Power consumption [HP]	Power output [HP]	Nominal voltage [volts]	Net weight [lb]	Item no.	EDP no.	Designation
30,000 – 1,000	0.35	0.16	36 / 50	0.408	89960136	91542	MIM WZS 3/300 45° S1/8”

Accessories for micro motor systems



Accessories for micro motor systems

PFERD TOOLS offers a Vario micro motor foot switch for stepless rotational speed control, a micro motor foot switch for switching on and off, and a 9.8’ micro motor extension cable for handpieces as accessories for micro motor systems.

Image	Net weight [lb]	Item no.	EDP no.	Designation
Vario foot switch MIM FU-R				
①	1.863	89960126	91532	MIM FU-R
On/off foot switch MIM FU-E/A				
②	0.683	89960127	91533	MIM FU-E/A
Extension cable MIM VLK HAS/WZS 9.8’				
③	0.335	89960151	91557	MIM VLK HAS/WZS 9.8’

Drive systems with DIN 10/DIN 15
General information

How to find the matching flexible shaft to your drive

Here you will find a selection of available flexible shafts for the individual drives, as explained below. The flexible shaft and handpiece/attachment must always be selected according to the required rotational speed and power. By combining a high-performance tool with the optimal drive, you achieve maximum cost-effectiveness. ① Drive
Alternative drives with a DIN 10 connection (exceptions: DIN 15).② Flexible shaft (BW)
Possible flexible shafts.③ Rotational speed [RPM]
Rotational speed range of the drive system.

④ Speed range of the flexible shafts and handpieces.⑤ Connection
Drive-side connection DIN 10 / DIN 15 and handpiece-side connections (G16 to G28 and DPF/SRF).⑥ Suitable flexible shaft
● ideally suited
○ suitable
– not suitable

① Drive motor ▶		MEW 18/240 ME 22/240
③ Rotational speed range [RPM]: ▶		24,000–100
② Flexible shafts ▼	④ Drive [RPM] ▼	
BW 4 DIN 10/G16 ⑤	40,000–18,000	⑥ ○
BW 6 DIN 10/G16	25,000–11,000	●
BW 7 DIN 10/G22	25,000–11,000	●
BW 7 PST-T DIN 10	4,250–1,500	○
BW 10 SE 11 DIN 10/G28	18,000–750	●

All data is also valid for flexible shaft versions without handpieces and 2-meter versions.

Drive systems with DIN 10/DIN 15

Flexible shaft drives for Mammoth Electronic and accessories

MEW 18/240

Electronic flexible shaft drive with DIN 10 flexible shaft connection, generates very little noise and has 1-phase alternating current and high torque, even at low rotational speeds. Achieves a maximum rotational speed of 24,000 RPM.

Contents:
13.12′ power cable with plug, 2 Allen keys.

Special features:
- Most powerful and stable torque with step-less rotational speed control.
- Removable operating console with pos-sibility of extension, e.g. hanging design for work in boilers.
- With smooth start-up to protect people, tools and the drive as well as overload protection.

Rotational speed range [RPM]	Power consump-tion [HP]	Power output [HP]	Voltage [volts] 50–60 Hz	Net weight [lb]	Item no.	EDP no.	Designation
24,000 – 100	2.68	2.68	200 – 240	54.013	89970014	92013	MEW 18/240 240V

ME 22/240

Electronic flexible shaft drive with DIN 10 flexible shaft connection, generates very little noise and has 3-phase alternating current and high torque, even at low rotational speeds. Achieves a maximum rotational speed of 24,000 RPM.

Contents:
13.12′ power cable without plug, 2 keys (STS D 4 mm).

Special features:
- Most powerful and stable torque with step-less rotational speed control.
- Removable operating console with pos-sibility of extension, e.g. hanging design for work in boilers.
- With smooth start-up to protect people, tools and the drive as well as overload protection.

Rotational speed range [RPM]	Power consump-tion [HP]	Power output [HP]	Voltage [volts] 50–60 Hz	Net weight [lb]	Item no.	EDP no.	Designation
24,000 – 100	3.62	3.62	380 – 480	54.013	85202041	92014	ME 22/240 400 V

Remote control cable FSTK for Mammoth Electronic

For extending the operating console.

Net weight [lb]	Item no.	EDP no.	Designation
1.400	85202165	92046	FSTK 22

Drive systems with DIN 10/DIN 15

Flexible shaft drives for Mammoth Electronic and accessories

Foot switch FSE 22 for Mammoth Electronic

For switching the drive on and off via the remote control interface.

Net weight [lb]	Item no.	EDP no.	Designation
2.205	85202105	92045	FSE 22 2-POLIG

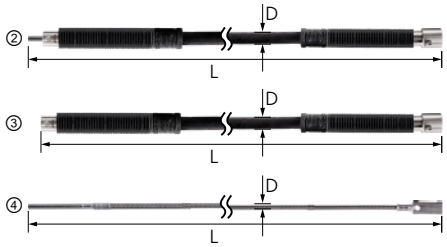
Flexible shaft drives for Maxi-Mammoth Electronic and accessories

Foot switch FSE 22 for Maxi-Mammoth Electronic

For switching the drive on and off via the remote control interface.

Net weight [lb]	Item no.	EDP no.	Designation
2.205	85202105	92045	FSE 22 2-POLIG

Flexible shaft 4 and handpieces



Flexible shaft 4

With low power output requirements, it is possible to fall below the rotational speed range. **The radius of curvature must not be less than 3.94".** After approximately 100 operating hours, the core of the flexible shaft must be re-lubricated.

Special features:

- Special lengths available on request.
- Cores and hoses with double-sided sliding coupling on request.

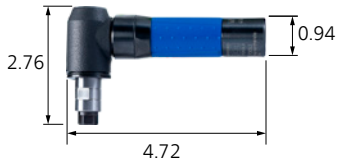
Image	Rotational speed range [RPM]	Drive-side coupling DIN / dia. [inch]	Handpiece-side coupling G / dia. [inch]	Dimensions D x L [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
Flexible shaft without handpiece								
②	40,000 – 18,000	10 / 1.18	16 / 0.63	1/2 x 52	0.990	86200505	94052	BW 4 DIN10/G16 oHA
Replacement casing								
③	-	10 / 1.18	16 / 0.63	1/2 x 51	0.730	86200605	94553	SCH 4 DIN10/G16
Replacement core								
④	40,000 – 18,000	10 / M10	16 / 0.14/0.1	3/16 x 52	0.265	86200305	94854	SE 4 DIN10/G16

Handpiece HA 4 G16

Much more ergonomic straight handpiece. Can be connected to all flexible shafts with G16 sliding coupling.

Contents:
1 SPZ GR.6 1/4", 2 keys (1x EM SW 11 mm, 1x EM SW 12 mm).

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
40,000	16 / 0.63	0.94 x 4.72	0.400	89911105	94302	HA 4 G16



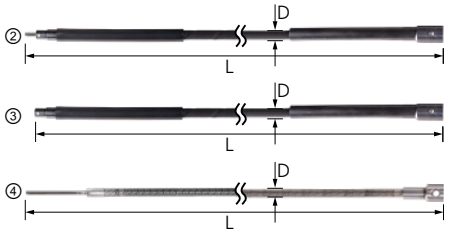
Angle handpiece WHA 4 90° G16

Much more ergonomic straight handpiece. Can be connected to all flexible shafts with G16 sliding coupling.

Contents:
1 SPZ GR.6 1/4", 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Transmission ratio	Net weight [lb]	Item no.	EDP no.	Designation
20,000	16 / 0.63	2.76 x 4.72	1,8:1	0.670	89911121	94361	WHA 4 90° G16

Flexible shaft 6 and handpieces



Flexible shaft 6

With low power output requirements, it is possible to fall below the rotational speed range. **The radius of curvature must not be less than 5.51".** After approximately 100 operating hours, the core of the flexible shaft must be re-lubricated.

Special features:
- Special lengths available on request.

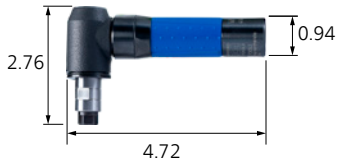
Image	Rotational speed range [RPM]	Drive-side coupling DIN / dia. [inch]	Handpiece-side coupling G / dia. [inch]	Dimensions D x L [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
Flexible shaft without handpiece								
②	25,000 – 11,000	10 / 1.18	16 / 0.63	5/8 x 62	2.430	86210060	94042	BW 6 DIN10/G16 oHA
Replacement casing								
③	-	10 / 1.18	16 / 0.63	5/8 x 61	1.630	86210080	94505	SCH 6 DIN10/G16
Replacement core								
④	25,000 – 11,000	10 / M10	16 / 0.14/0.1	1/4 x 62	0.600	86210070	94805	SE 6 DIN10/G16

Handpiece HA 4 G16

Much more ergonomic straight handpiece. Can be connected to all flexible shafts with G16 sliding coupling.

Contents:
1 SPZ GR.6 1/4", 2 keys (1x EM SW 11 mm, 1x EM SW 12 mm).

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
40,000	16 / 0.63	0.94 x 4.72	0.400	89911105	94302	HA 4 G16



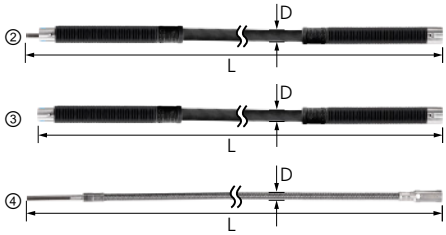
Angle handpiece WHA 4 90° G16

Much more ergonomic straight handpiece. Can be connected to all flexible shafts with G16 sliding coupling.

Contents:
1 SPZ GR.6 1/4", 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Transmission ratio	Net weight [lb]	Item no.	EDP no.	Designation
20,000	16 / 0.63	2.76 x 4.72	1,8:1	0.670	89911121	94361	WHA 4 90° G16

Flexible shaft 7 and handpieces



Flexible shaft 7

With low power output requirements, it is possible to fall below the rotational speed range. **The radius of curvature must not be less than 5.57".** After approximately 100 operating hours, the core of the flexible shaft must be re-lubricated.

Special features:
- Special lengths available on request.
- Cores and hoses with double-sided sliding coupling on request.

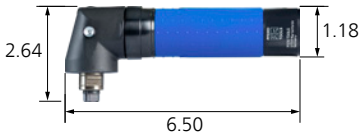
Image	Rotational speed range [RPM]	Drive-side coupling DIN / dia. [inch]	Handpiece-side coupling G / dia. [inch]	Dimensions D x L [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
Flexible shaft without handpiece								
②	25,000 – 11,000	10 / 1.18	22 / 0.87	3/4 x 82	3.750	86200529	94027	BW 7 DIN10/G22 2M oHA
Replacement casing								
③	-	10 / 1.18	22 / 0.87	3/4 x 81	2.430	86200629	94528	SCH 7 DIN10/G22 2M
Replacement core								
④	25,000 – 11,000	10 / M10	22 / 0.2/0.15	1/4 x 82	1.320	86200329	94829	SE 7 DIN10/G22 2M

Handpiece HA 7 G22

Much more ergonomic straight handpiece. Can be connected to all flexible shafts with G22 sliding coupling.

Contents:
1 SPZ GR.6 1/4", 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
25,000	22 / 0.87	1.18 x 5.12	0.630	89911106	94120	HA 7 G22



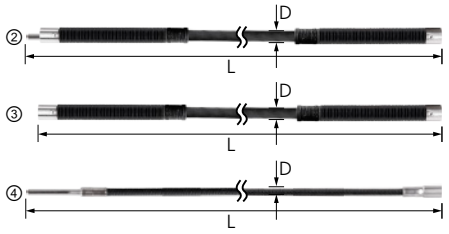
Angle handpiece WHA 7 90° G22

Much more ergonomic straight handpiece. Can be connected to all flexible shafts with G22 sliding coupling.

Contents:
1 SPZ GR.6 6 mm, 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Transmission ratio	Net weight [lb]	Item no.	EDP no.	Designation
17,100	22 / 0.87	2.64 x 6.5	1:1	1.430	89911122	94362	WHA 7 90° G22

Flexible shaft 10 and handpieces

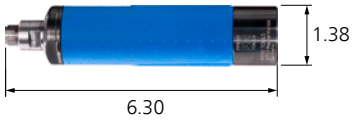


Flexible shaft 10 SE 11

The rotational speed should not fall below or exceed the specified range. **The radius of curvature must not be less than 6.69".** After approximately 100 operating hours, the core of the flexible shaft must be re-lubricated.

Special features:
- Special lengths available on request.
- Cores and hoses with double-sided sliding coupling on request.

Image	Rotational speed range [RPM]	Drive-side coupling DIN / dia. [inch]	Handpiece-side coupling G / dia. [inch]	Dimensions D x L [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
Flexible shaft without handpiece								
②	18,000 – 750	10 / 1.18	28 / 1.1	7/8 x 82	5.910	86200517	94032	BW 10 SE 11 DIN10/G28 2M oHA
Replacement casing								
③	-	10 / 1.18	28 / 7/8	0.87 x 61	3.153	86200630	94520	SCH 10 DIN10/G28
			28 / 1.1	7/8 x 81	3.480	86200631	94533	SCH 10 DIN10/G28 2M
Replacement core								
④	18,000 – 750	10 / M10	28 / 0.3/0.23	7/16 x 82	2.430	87100133	94834	SE 11 DIN10/G28 2M



Handpiece HA 10 G28

Much more ergonomic straight handpiece. Can be connected to all flexible shafts with G28 sliding coupling.

Contents:
1 SPZ GR.6 1/4", 2 keys (1x EM SW 11 mm, 1x EM SW 15 mm).

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
18,000	28 / 1.1	1.38 x 6.3	0.950	89911108	94316	HA 10 G28

Handpiece HA 12 G28

Much more ergonomic straight handpiece. Can be connected to all flexible shafts with G28 sliding coupling. Available with clamping nut for maximum clamping force and collets up to 12mm.

Contents:
1 SPZ GR.12 1/4", 2 keys (DM SW 20/22 mm).

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
18,000	28 / 1.1	1.38 x 6.69	1.202	89911109	94317	HA 12 G28

Angle handpiece WHA 10 90° G28

Much more ergonomic handpiece.

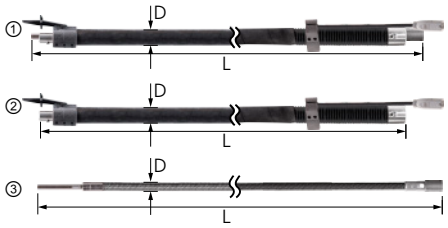
Contents:
1 SPZ GR.6 6 mm, 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Special features:
- Can be connected to all flexible shafts with G28 sliding coupling.
- The 90° angle head is ideal for working in hard-to-reach areas.

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Transmission ratio	Net weight [lb]	Item no.	EDP no.	Designation
17,100	28 / 1.1	2.64 x 6.5	1:1	1.410	89911123	94363	WHA 10 90° G28

Drive systems with DIN 10/DIN 15

Remote switch for flexible shafts and accessories



Remote switch for flexible shafts

Convenient operation from the workstation. Alternative to the foot switch. After approximately 100 operating hours, the core of the flexible shaft must be re-lubricated.

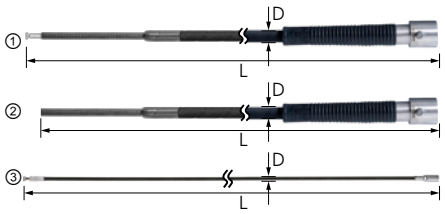
Special features:

- Switch on and off directly on the handpiece.
- Quick handpiece changing possible.
- Enhanced safety due to fast switch-off.

Image	Rotational speed range [RPM]	Drive-side coupling DIN / dia. [inch]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
Flexible shaft 7								
④	25,000 – 11,000	10 / M10	22 / 0.2/0.15	1/4 x 82	1.320	86200329	94829	SE 7 DIN10/G22 2M
Flexible shaft 10								
④	18,000 – 750	10 / M10	28 / 0.3/0.23	7/16 x 82	2.430	87100133	94834	SE 11 DIN10/G28 2M

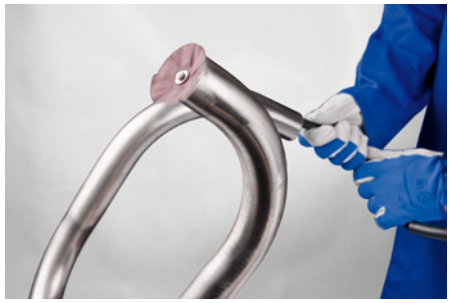
Drive systems with DIN 10/DIN 15

Special flexible shafts for inner grinding of pipes and accessories



Flexible shaft 4 PST-T | Flexible shaft 7 PST-T

The POLISTAR-TUBE grinding tools are attached directly to the core of the special flexible shaft. **After approximately 100 operating hours, the core of the flexible shaft must be re-lubricated.**



Special features:

- Removable operating console with possibility of extension, e.g. hanging design for work in boilers.
- Both pipe bend ends can be deburred from the entry side.
- The special flexible shafts do not have a handpiece for tool mounting and are particularly flexible in the front section.

Image	Rotational speed range [RPM]	Drive-side coupling DIN / dia. [inch]	Dimensions dia. x length [Inch]	Fastening thread	Tool mounting [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
Flexible shaft									
①	4,250 – 1,500	10 / 1.18	0.71 x 80	M5	0,2	2.910	87101804	94055	BW 7 PST-T DIN 10/M5 2 m
Pre-assembled replacement casing									
②	-	10 / 1.18	0.71 x 80	-	-	1.920	87101806	94857	SCH 7 PST-T DIN 10/M5 2 m
Pre-assembled replacement core									
③	4,250 – 1,500	10 / M10	0.28 x 79.9	M5	0,2	0.990	87101805	94556	SE 7 PST-T DIN 10/M5 2 m

①

②

③

Accessories for flexible shafts BW 7 PST-T

PFERD TOOLS offers thread adapters, flange screws and keys.

Image	Tool mounting [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
Suitable for BW 7 PST-T					
①	8-32 UNC	0.006	87101501	95811	AD M5/8-32 UNC
②	0.2	0.006	87200222	97558	FLS M5
③	-	0.030	93785706	93328	EM SW 8 mm

Handpiece HA 4 G16

Much more ergonomic straight handpiece. Can be connected to all flexible shafts with G16 sliding coupling.

Contents:
1 SPZ GR.6 1/4", 2 keys (1x EM SW 11 mm, 1x EM SW 12 mm).

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
40,000	16 / 0.63	0.94 x 4.72	0.400	89911105	94302	HA 4 G16

Handpiece HA 7 G22

Much more ergonomic straight handpiece. Can be connected to all flexible shafts with G22 sliding coupling.

Contents:
1 SPZ GR.6 1/4", 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
25,000	22 / 0.87	1.18 x 5.12	0.630	89911106	94120	HA 7 G22

Handpiece HA 10 G28

Much more ergonomic straight handpiece. Can be connected to all flexible shafts with G28 sliding coupling.

Contents:
1 SPZ GR.6 1/4", 2 keys (1x EM SW 11 mm, 1x EM SW 15 mm).

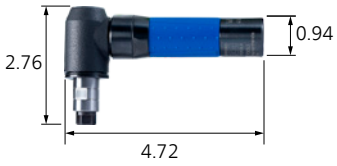
Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
18,000	28 / 1.1	1.38 x 6.3	0.950	89911108	94316	HA 10 G28

Handpiece HA 12 G28

Much more ergonomic straight handpiece. Can be connected to all flexible shafts with G28 sliding coupling. Available with clamping nut for maximum clamping force and collets up to 12mm.

Contents:
1 SPZ GR.12 1/4", 2 keys (DM SW 20/22 mm).

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
18,000	28 / 1.1	1.38 x 6.69	1.202	89911109	94317	HA 12 G28

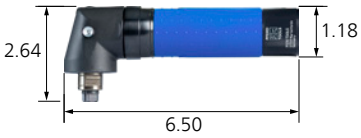


Angle handpiece WHA 4 90° G16

Much more ergonomic straight handpiece. Can be connected to all flexible shafts with G16 sliding coupling.

Contents:
1 SPZ GR.6 1/4", 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Transmission ratio	Net weight [lb]	Item no.	EDP no.	Designation
20,000	16 / 0.63	2.76 x 4.72	1,8:1	0.670	89911121	94361	WHA 4 90° G16

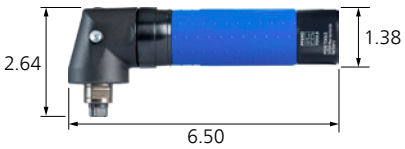


Angle handpiece WHA 7 90° G22

Much more ergonomic handpiece. Can be connected to all flexible shafts with G22 sliding coupling.

Contents:
1 SPZ GR.6 6 mm, 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Transmission ratio	Net weight [lb]	Item no.	EDP no.	Designation
17,100	22 / 0.87	2.64 x 6.5	1:1	1.430	89911122	94362	WHA 7 90° G22



Angle handpiece WHA 10 90° G28

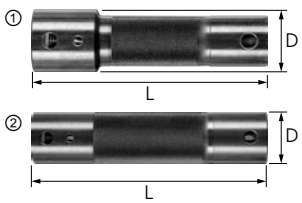
Much more ergonomic handpiece.

Contents:
1 SPZ GR.6 6 mm, 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

Special features:
- Can be connected to all flexible shafts with G28 sliding coupling.

Max. rotational speed [RPM]	Handpiece-side coupling G / dia. [inch]	Dimensions dia. x length [Inch]	Transmission ratio	Net weight [lb]	Item no.	EDP no.	Designation
17,100	28 / 1.1	2.64 x 6.5	1:1	1.410	89911123	94363	WHA 10 90° G28

Flexible shaft adapter

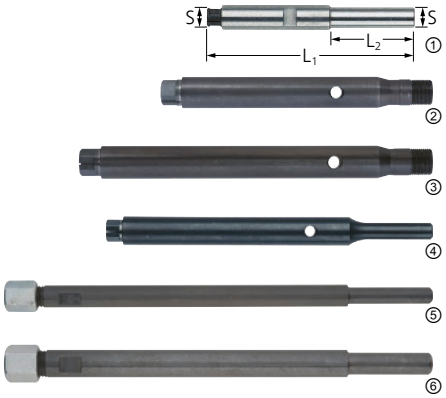


Flexible shaft adapter

The flexible shaft adapter conveniently connects rigid extensions and flexible shafts.

Image	Length L [Inch]	Diameter D [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
①	4.96	1.34	0.630	86300307	95893	BWA G22/DIN 10
②	6.02	1.34	1.240	86300308	95894	BWA G28/DIN 10

Drive systems with DIN 10/DIN 15
Extensions



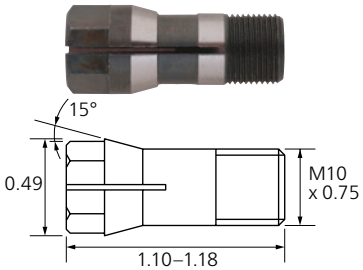
Extensions for drive spindles, imperial version

Allow access to difficult-to-reach areas and are clamped into the collet of the machine (air or electric grinder) or into the flexible shaft handpiece.

Special features:

- Cost-effective alternative to custom order burs and mounted points.

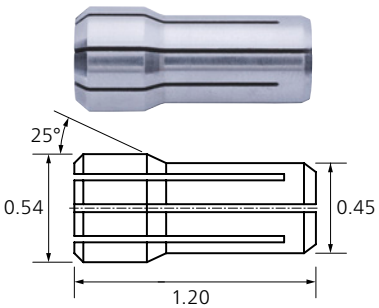
Image	Max. rotational speed [RPM]	Shank mounting dia. S [Inch]	Tool mounting [Inch]	Total length L_1 [Inch]	Mounting pin length L_2 [Inch]	Max. spindle dia. D [Inch]	Collet group	Net weight [lb]	Item no.	EDP no.	Designation
①	44,000	1/4	1/8	2.99	1.18	0.37	14	0.062	89912000	95820	SPV 50-1/8 S1/4
②	20,000	SPG6	1/4	4.09	Special	0.47	10	0.161	89912001	95821	SPV 75-1/4 SPG6
		3/8	1/4	4.72	1.18	0.47	10	0.168	89912002	95822	SPV 75-1/4 S3/8
③	20,000	SPG6	1/4	5.08	Special	0.47	10	0.212	89912003	95823	SPV 100-1/4 SPG6
④	20,000	3/8	1/4	5.67	1.18	0.47	10	0.220	89912004	95824	SPV 100-1/4 S3/8
⑤	10,000	1/4	1/8	5.91	1.18	0.45	-	0.121	89912005	95825	SPV 150-1/8 S1/4
⑥	10,000	3/8	1/4	5.91	1.18	0.53	-	0.181	89912006	95826	SPV 150-1/4 S3/8



Collet group 6

Screw-in collet with small diameter for use in narrow working areas.

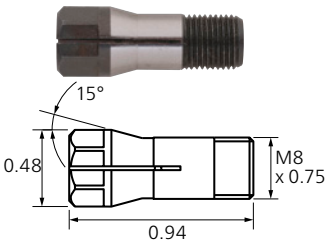
Diameter [mm]	Diameter [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
3	-	0.029	95032503	93057	SPZ GR.6 3 mm
6	-	0.027	95032501	93062	SPZ GR.6 6 mm
8	-	0.015	95032517	93064	SPZ GR.6 8 mm
-	3/32	0.015	95032516	93067	SPZ GR.6 3/32"
	1/8	0.029	95032504	93072	SPZ GR.6 1/8"
	1/4	0.027	95032502	93074	SPZ GR.6 1/4"



Collet group 7

Plug-in collet with increased clamping force for reliable use with a union nut.

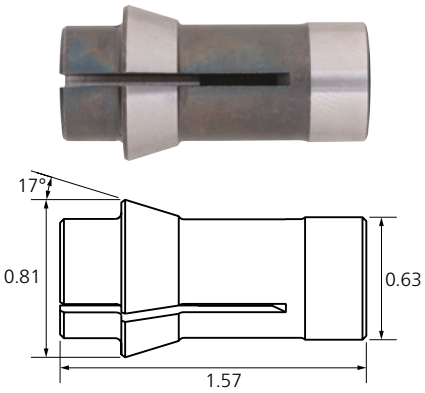
Diameter [mm]	Diameter [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
3	1/8	0.033	90000145	93081	SPZ GR.7 3 mm - 1/8"
6	-	0.033	90000123	93082	SPZ GR.7 6 mm
8	-	0.033	90000143	93083	SPZ GR.7 8 mm
-	1/4	0.033	90000144	93084	SPZ GR.7 1/4"
	3/8	0.033	90000100	93085	SPZ GR.7 3/8"



Collet group 10

Screw-in collet with small diameter for use in narrow working areas.

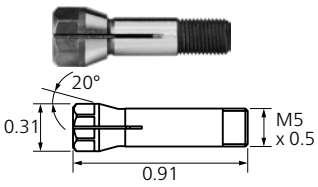
Diameter [mm]	Diameter [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
3	-	0.013	95766301	93134	SPZ GR.10 3 mm
6	-	0.013	95766303	93140	SPZ GR.10 6 mm
-	1/8	0.013	95766302	93146	VF-SPZ GR.10 1/8"
	1/4	0.013	95766351	93148	VF-SPZ GR.10 1/4"



Collet group 12

Plug-in collet with increased clamping force for reliable use with a union nut.

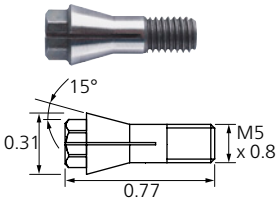
Diameter [mm]	Diameter [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
6	-	0.077	91490204	93196	SPZ GR.12 6 mm
8	-	0.061	91490206	93199	SPZ GR.12 8 mm
10	-	0.055	91490208	93201	SPZ GR.12 10 mm
12	-	0.053	91490209	93203	SPZ GR.12 12 mm
-	1/4	0.081	91490210	93211	SPZ GR.12 1/4"
	3/8	0.066	91490211	93215	SPZ GR.12 3/8"



Collet group 14

Screw-in collet with small diameter for use in narrow working areas.

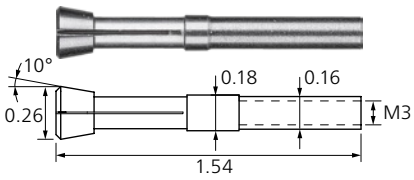
Diameter [mm]	Diameter [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
2.34	3/32	0.066	90110423	93225	SPZ GR.14 2.34 mm - 3/32"
3	-	0.066	90110430	93226	SPZ GR.14 3 mm
-	1/8	0.066	90110418	93227	SPZ GR.14 1/8"



Collet group 15

Screw-in collet with small diameter for use in narrow working areas.

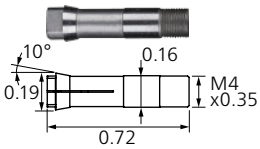
Diameter [mm]	Diameter [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
3	-	0.039	98980000	93238	SPZ GR.15 3 mm
-	3/32	0.004	98980002	93240	SPZ GR.15 3/32"
	1/8	0.004	98980001	93239	SPZ GR.15 1/8"



Collet group 17

Screw-in collet with small diameter for use in narrow working areas.

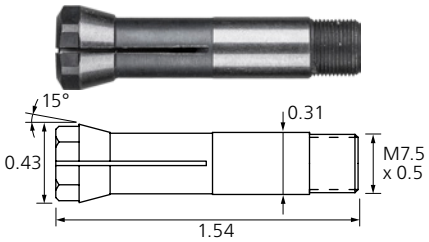
Diameter [mm]	Diameter [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
2.35	-	0.004	90014051	93256	SPZ GR.17 2.35 mm
3	-	0.004	90014050	93255	SPZ GR.17 3 mm
-	1/8	0.004	90014052	93257	SPZ GR.17 1/8"



Collet group 18

Screw-in collet with small diameter for use in narrow working areas.

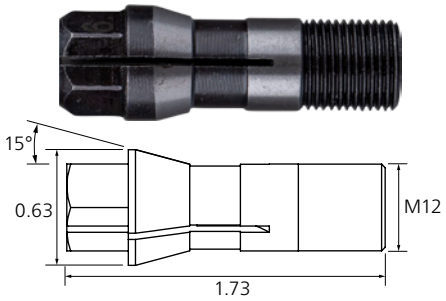
Diameter [mm]	Diameter [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
1.6	-	0.004	90014063	-	SPZ GR.18 1.6 mm
2.35	-	0.002	90014061	93266	SPZ GR.18 2.35 mm
3	-	0.002	90014060	93265	SPZ GR.18 3 mm
-	1/8	0.002	90014062	93267	SPZ GR.18 1/8"



Collet group 19

Screw-in collet with small diameter for use in narrow working areas.

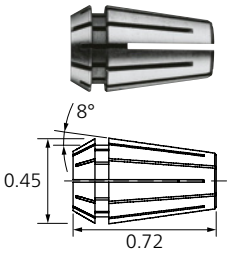
Diameter [mm]	Diameter [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
2.35	-	0.024	90014073	93278	SPZ GR.19 2.35 mm
3	-	0.024	90014071	93276	SPZ GR.19 3 mm
-	1/8	0.024	90014072	93277	SPZ GR.19 1/8"



Collet group 20

Screw-in collet with small diameter for use in narrow working areas.

Diameter [mm]	Diameter [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
3	-	0.017	98980262	93280	SPZ GR.20 3 mm
6	-	0.039	98980261	93283	SPZ GR.20 6 mm
8	-	0.046	98980263	93392	SPZ GR.20 8 mm
10	-	0.061	98980264	93281	SPZ GR.20 10 mm
-	1/4	0.039	98980265	93282	SPZ GR.20 1/4"

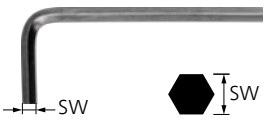


Collet group 21

Plug-in collet with increased clamping force for reliable use with a union nut.

Diameter [mm]	Diameter [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
3	-	0.022	98980311	-	SPZ GR.21 3 mm
6	-	0.022	98980310	-	SPZ GR.21 6 mm
-	1/8	0.022	98980398	-	SPZ GR.21 1/8"
	1/4	0.022	98980399	-	SPZ GR.21 1/4"

Key



Hexagon L-wrench

Hexagon L-wrench with various widths across flats. Suitable for versatile use.

Width across flats SW	Net weight [lb]	Item no.	EDP no.	Designation
1.5 mm	0.002	90014005	93387	SKS SW 1,5 mm

Single-head spanner

Single-head spanner with different widths across flats on one end.

Width across flats SW	Net weight [lb]	Item no.	EDP no.	Designation
8 mm	0.030	93785706	93328	EM SW 8 mm
11 mm	0.055	93785701	93335	EM SW 11MM
12 mm	0.059	98980322	93338	EM SW 12MM
14 mm	0.084	93785703	93340	EM SW 14MM
15 mm	0.106	98980561	93348	EM SW 15 mm
17 mm	0.140	92785611	93350	EM SW 17MM
9/16"	0.022	90000121	93383	EM SW 9/16"
3/4"	0.033	90000122	93384	EM SW 3/4"

Double open-ended spanner

Double open-ended spanner with widths across flats at both ends.

Width across flats SW 1 / SW 2	Net weight [lb]	Item no.	EDP no.	Designation
4/4 mm	0.011	90014010	93390	DM SW 4/4 mm
6/8 mm	0.055	98980010	93325	DM SW 6/8MM
10/10 mm	0.004	90014004	93386	DM SW 10/10 mm

Allen wrench

Allen key in various diameters for DIN 10/DIN 15 drive systems.

Diameter D [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
0.09	0.001	90014015	-	STS D2,35mm
0.157	0.033	92792302	93312	STS D 4 mm

Collet key

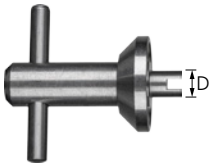
Key for force-controlled securing and changing of collets in group 18.

Net weight [lb]	Item no.	EDP no.	Designation
0.030	90014014	-	SPS VK 4 mm

Lock sleeve

Lock sleeve for tool changes on micro motor and RCK angle handpieces with a slim and light design.

Diameter D [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
0.53	0.071	90014003	93385	MIM ARH



Lock spanner

Lock spanner for reliable collet changes for micro motor and RCK handpieces with a slim and light design.

Diameter D [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
0.26	0.088	90014009	93389	MIM ARS HA D23,5

Collet key

Collet key for reliable collet changes for micro motor and RCK handpieces with a slim and light design.

Diameter D [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
0.28	0.049	90014008	93388	MIM SPS DK D7

Double pin spanner

Double pin spanner for reliable collet changes for micro motor and RCK handpieces with a slim and light design.

Width across flats SW	Diameter D [Inch]	Net weight [lb]	Item no.	EDP no.	Designation
0.49"	0.09	0.008	90014011	93391	MIM DSTS SW 11xD2,4 mm

Maintenance accessories

Maintenance set P-Set BW 4/6

Set for maintaining flexible shafts.

Contents:
1 hose brush for removing old grease from the flexible casing, 1 x FT 4 flexible shaft grease, 2 non-linting cleaning cloths (400 x 330 mm).

Contents	Use for	Net weight [lb]	Item no.	EDP no.	Designation
2 cloths, flexible shaft grease FT 4, hose brush BW 4/6	BW 4, BW 6	1.698	89913005	96111	P-Set BW 4/6

Maintenance set P-Set BW 7

Kit for maintaining flexible shafts. Degrease the shaft core with a lint-free cleaning cloth.

Contents:
1 hose brush BW 7 for removing the old grease from the flexible casing, 1x flexible shaft grease FT 4, 2 non-linting cleaning cloths (400 x 330 mm).

Contents	Use for	Net weight [lb]	Item no.	EDP no.	Designation
2 cloths, flexible shaft grease FT 4, hose brush BW 7	BW 7	1.698	89913006	96112	P-Set BW 7

Maintenance set P-Set BW 10/12

Maintenance set for flexible shafts. Clean the hose using the inner brush from the maintenance set.

Contents:
1 hose brush BW 10/12 for removing the old grease from the flexible casing, 1x flexible shaft grease FT 4, 2 non-linting cleaning cloths (400 x 330 mm).

Contents	Use for	Net weight [lb]	Item no.	EDP no.	Designation
2 cloths, flexible shaft grease FT 4, hose brush BW 10/12	BW 10, BW 12	1.698	89913007	96113	P-Set BW 10/12

Flexible shaft grease 450 g

Flexible shaft grease with special lubrication and adhesive properties for flexible shafts. After approximately 100 operating hours, the core of the flexible shaft must be relubricated. Clean the core and casing and reapply the special shaft grease to the core.

Contents	Use for	Net weight [lb]	Item no.	EDP no.	Designation
Flexible shaft grease 450 g	Flexible shafts	0.992	89913003	96010	FT 4

Special grease 100 g

Special grease for re-greasing angle heads.

Contents	Net weight [lb]	Item no.	EDP no.	Designation
Special grease 100 g	0.220	89913002	96009	FT 5

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Item number	Description	Image	Catalog	Page
19600800	CORINOX® Machinists File 6" Hand Cut 00 (1)		1	61
19600801	CORINOX® Machinists File 6" Hand Cut 0 (1)		1	61
19600802	CORINOX® Machinists File 8" Hand Cut 00		1	61
19600205	CORINOX® Machinists File 8" Hand Cut 0 (PU 1)		1	61
19600805	CORINOX® Machinists File 8" Hand Cut 0 (1)		1	61
19600206	CORINOX® Machinists File 8" Hand Cut 2 (PU 1)		1	61
19600803	CORINOX® Machinists File 10" Hand Cut 00 (1)		1	61
19600804	CORINOX® Machinists File 10" Hand Cut 0 (1)		1	61

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Files

Item number	Description	Image	Catalog	Page
19602810	CORINOX® Machinists File 6" Hand Cut 00 (1)		1	62
19602811	CORINOX® Machinists File 6" Hand Cut 0 (1)		1	62
19602812	CORINOX® Machinists File 8" Hand Cut 00 (1)		1	62
19602813	CORINOX® Machinists File 8" Hand Cut 0 (1)		1	62
19602814	CORINOX® Machinists File 8" Hand Cut 2		1	62
19607835	CORINOX® Machinists File 6" Half Round Cut 0 (1)		1	62
19607205	CORINOX® Machinists File 8" Half Round Cut 0 (PU 1)		1	62
19607206	CORINOX® Machinists File 8" Half Round Cut 2 (PU 1)		1	62

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Item number	Description	Image	Catalog	Page
19609206	CORINOX® Machinists File 8" Round Cut 0 (1)		1	63
19609207	CORINOX® Machinists File 8" Round Cut 2 (1)		1	63
19611206	CORINOX® Machinists File 8" Three Square Cut 0 (1)		1	63
19611207	CORINOX® Machinists File 8" Three Square Cut 2 (1)		1	63
19612156	CORINOX® Machinists File 6" Square Cut 0 (1)		1	63
19612158	CORINOX® Machinists File 6" Square Cut 2 (1)		1	63
18110000	6" Checkering File, Swiss Cut 00		1	70
18110001	6" Checkering File, Swiss Cut 0		1	70

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Files

Item number	Description	Image	Catalog	Page
18110002	6" Checkering File, Swiss Cut 1		1	70
18110003	6" Checkering File, Swiss Cut 2		1	70
18110004	6" Checkering File, Swiss Cut 4		1	70

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Item number	Description	Image	Catalog	Page
21825184	HICOAT® Carbide Bur SC-51 Cylindrical Radius End Double Cut 1/8″ x 1/2″ x 1/8″ Shank		2	93
21825144	HICOAT® Carbide Bur SC-51 Cylindrical Radius End Double Cut 1/4″ x 1/2″ x 1/8″ Shank		2	93
21725145	HICOAT® Carbide Bur SC-11 Cylindrical Radius End Double Cut 1/8″ x 1/2″ x 1/4″ Shank		2	93
21725146	HICOAT® Carbide Bur SC-12 Cylindrical Radius End Double Cut 1/8″ x 5/8″ x 1/4″ Shank		2	93
21725147	HICOAT® Carbide Bur SC-14 Cylindrical Radius End Double Cut 3/16″ x 5/8″ x 1/4″ Shank		2	93
21725148	HICOAT® Carbide Bur SC-1 Cylindrical Radius End Double Cut 1/4″ x 5/8″ x 1/4″ Shank		2	93
21725154	HICOAT® Carbide Bur SC-2 Cylindrical Radius End Double Cut 5/16″ x 3/4″ x 1/4″ Shank		2	93
21725170	HICOAT® Carbide Bur SC-4 Cylindrical Radius End Double Cut 7/16″ x 1″ x 1/4″ Shank		2	93

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Item number	Description	Image	Catalog	Page
21725172	HICOAT® Carbide Bur SC-6 Cylindrical Radius End Double Cut 5/8" x 1" x 1/4" Shank		2	93
21725173	HICOAT® Carbide Bur SC-7 Cylindrical Radius End Double Cut 3/4" x 1" x 1/4" Shank		2	93
21725174	HICOAT® Carbide Bur SC-9 Cylindrical Radius End Double Cut 1" x 1" x 1/4" Shank		2	94
21725178	HICOAT® Carbide Bur SC-1L6 Cylindrical Radius End Double Cut 1/4" x 5/8" x 1/4" Shank		2	94
21725179	HICOAT® Carbide Bur SC-3L6 Cylindrical Radius End Double Cut 3/8" x 3/4" x 1/4" Shank		2	94
21725180	HICOAT® Carbide Bur SC-5L6 Cylindrical Radius End Double Cut 1/2" x 1" x 1/4" Shank		2	94
21825109	HICOAT® Carbide Bur SL-42 14° Taper Double Cut 1/8" x 1/2" x 1/8" Shank		2	96
21725110	HICOAT® Carbide Bur SL-1 14° Taper Double Cut 1/4" x 5/8" x 1/4" Shank		2	96

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Item number	Description	Image	Catalog	Page
21725115	HICOAT® Carbide Bur SL-2 14° Taper Double Cut 5/16″ x 7/8″ x 1/4″ Shank		2	96
21725107	HICOAT® Carbide Bur SL-6 14° Taper Double Cut 5/8″ x 21/16″ x 1/4″ Shank		2	96
21725108	HICOAT® Carbide Bur SL-7 14° Taper Double Cut 3/4″ x 1-1/2″ x 1/4″ Shank		2	96
21725114	HICOAT® Carbide Bur SL-1L6 14° Taper Double Cut 1/4″ x 5/8″ x 1/4″ Shank		2	96
21725116	HICOAT® Carbide Bur SL-3L6 14° Taper Double Cut 3/8″ x 1-1/16″ x 1/4″ Shank		2	96
21725104	HICOAT® Carbide Bur SL-4L6 14° Taper Double Cut 1/2″ x 1-1/8″ x 1/4″ Shank		2	96
21825119	HICOAT® Carbide Bur SF-42 Tree Shape Double Cut 1/8″ x 1/2″ x 1/8″ Shank		2	98
21825118	HICOAT® Carbide Bur SF-41 Tree Shape Double Cut 1/8″ x 1/4″ x 1/8″ Shank		2	98

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Item number	Description	Image	Catalog	Page
21825120	HICOAT® Carbide Bur SF-42 Tree Shape Double Cut 1/4" x 1/2" x 1/8" Shank		2	98
21725124	HICOAT® Carbide Bur SF-1 Tree Shape Double Cut 1/4" x 5/8" x 1/4" Shank		2	98
21725126	HICOAT® Carbide Bur SF-4 Tree Shape Double Cut 7/16" x 1" x 1/4" Shank		2	98
21725128	HICOAT® Carbide Bur SF-13 Tree Shape Double Cut 1/2" x 3/4" x 1/4" Shank		2	98
21725129	HICOAT® Carbide Bur SF-6 Tree Shape Double Cut 5/8" x 1" x 1/4" Shank		2	98
21725130	HICOAT® Carbide Bur SF-7 Tree Shape Double Cut 3/4" x 1" x 1/4" Shank		2	98
21725134	HICOAT® Carbide Bur SF-14 Tree Shape Double Cut 3/4" x 1-1/4" x 1/4" Shank		2	98
21725135	HICOAT® Carbide Bur SF-15 Tree Shape Double Cut 3/4" x 1-1/2" x 1/4" Shank		2	99

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Item number	Description	Image	Catalog	Page
21725136	HICOAT® Carbide Bur SF-1L6 Tree Shape Double Cut 1/4" x 5/8" x 1/4" Shank		2	99
21725139	HICOAT® Carbide Bur SF-3L6 Tree Shape Double Cut 3/8" x 3/4" x 1/4" Shank		2	99
21725140	HICOAT® Carbide Bur SF-5L6 Tree Shape Double Cut 1/2" x 1" x 1/4" Shank		2	99
21728129	HICOAT® Carbide Bur SB-1 Cylindrical End Cut OMNI Cut 1/4" x 5/8" x 1/4" Shank		2	104
21728119	HICOAT® Carbide Bur SB-3 Cylindrical End Cut OMNI Cut 3/8" x 3/4" x 1/4" Shank		2	104
21728110	HICOAT® Carbide Bur SB-5 Cylindrical End Cut OMNI Cut 1/2" x 1" x 1/4" Shank		2	104
21728132	HICOAT® Carbide Bur SB-6 Cylindrical End Cut OMNI Cut 5/8" x 1" x 1/4" Shank		2	104
21728126	HICOAT® Carbide Bur SA-1 Cylindrical Uncut End OMNI Cut 1/4" x 5/8" x 1/4" Shank		2	104

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Item number	Description	Image	Catalog	Page
21728118	HICOAT® Carbide Bur SA-3 Cylindrical Uncut End OMNI Cut 3/8" x 3/4" x 1/4" Shank		2	104
21728105	HICOAT® Carbide Bur SA-5 Cylindrical Uncut End OMNI Cut 1/2" x 1" x 1/4" Shank		2	104
21728134	HICOAT® Carbide Bur SD-1 Ball Shape OMNI Cut 1/4" x 3/16" x 1/4" Shank		2	105
21728121	HICOAT® Carbide Bur SD-3 Ball Shape OMNI Cut 3/8" x 5/16" x 1/4" Shank		2	105
21728128	HICOAT® Carbide Bur SD-5 Ball Shape OMNI Cut 1/2" x 7/16" x 1/4" Shank		2	105
21728124	HICOAT® Carbide Bur SC-1 Cylindrical Radius End OMNI Cut 1/4" x 5/8" x 1/4" Shank		2	105
21728106	HICOAT® Carbide Bur SC-3 Cylindrical Radius End OMNI Cut 3/8" x 3/4" x 1/4" Shank		2	105
21728101	HICOAT® Carbide Bur SC-5 Cylindrical Radius End OMNI Cut 1/2" x 1" x 1/4" Shank		2	105

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Item number	Description	Image	Catalog	Page
21728130	HICOAT® Carbide Bur SC-6 Cylindrical Radius End OMNI Cut 5/8" x 1" x 1/4" Shank		2	105
21728120	HICOAT® Carbide Bur SC-3 L6 Cylindrical Radius End OMNI DC 3/8" x 3/4" x 1/4" Shank		2	105
21728117	HICOAT® Carbide Bur SC-5 L6 Cylindrical Radius End OMNI DC 1/2" x 1" x 1/4" Shank		2	106
21728104	HICOAT® Carbide Bur SH-5 Flame Shape OMNI Cut 1/2" x 5/4" x 1/4" Shank		2	106
21728115	HICOAT® Carbide Bur SG-3 Pointed Tree Shape OMNI Cut 3/8" x 3/4" x 1/4" Shank		2	106
21728109	HICOAT® Carbide Bur SG-5 Pointed Tree Shape OMNI Cut 1/2" x 1" x 1/4" Shank		2	106
21728131	HICOAT® Carbide Bur SG-3 L6 Pointed Tree Shape OMNI Cut 3/8" x 3/4" x 1/4" Shank		2	106
21728123	HICOAT® Carbide Bur SG-5 L6 Pointed Tree Shape OMNI Cut 1/2" x 1" x 1/4" Shank		2	106

NEW!

New products in the Tool Manual
Milling, holemaking and deburring products

PFERD TOOLS

Item number	Description	Image	Catalog	Page
21728103	HICOAT® Carbide Bur SL-3 14° Taper OMNI Cut 3/8" x 17/16" x 1/4" Shank		2	107
21728114	HICOAT® Carbide Bur SL-4 14° Taper OMNI Cut 1/2" x 9/8" x 1/4" Shank		2	107
21728113	HICOAT® Carbide Bur SL-6 14° Taper OMNI Cut 5/8" x 21/16" x 1/4" Shank		2	107
21728136	HICOAT® Carbide Bur SM-3 Pointed Cone Shape OMNI Cut 1/4" x 1" x 1/4" Shank		2	107
21728116	HICOAT® Carbide Bur SM-5 Pointed Cone Shape OMNI Cut 1/2" x 1/2" x 1/4" Shank		2	107
21728112	HICOAT® Carbide Bur SF-1 Tree Shape OMNI Cut 1/4" x 5/8" x 1/4" Shank		2	108
21728107	HICOAT® Carbide Bur SF-3 Tree Shape OMNI Cut 3/8" x 3/4" x 1/4" Shank		2	108
21728102	HICOAT® Carbide Bur SF-4 Tree Shape OMNI Cut 7/16" x 1" x 1/4" Shank		2	108

NEW!

New products in the Tool Manual
Milling, holemaking and deburring products

PFERD TOOLS

Item number	Description	Image	Catalog	Page
21728100	HICOAT® Carbide Bur SF-5 Tree Shape OMNI Cut 1/2" x 1" x 1/4" Shank		2	108
21728133	HICOAT® Carbide Bur SF-5 Tree Shape OMNI Cut 5/8" x 1" x 1/4" Shank		2	108
21728127	HICOAT® Carbide Bur SF-3 L6 Tree Shape OMNI Cut 3/8" x 3/4" x 1/4" Shank		2	108
21728108	HICOAT® Carbide Bur SF-5 L6 Tree Shape OMNI Cut 1/2" x 1" x 1/4" Shank		2	108
21728135	HICOAT® Carbide Bur SE-3 Oval Shape OMNI Cut 3/8" x 5/8" x 1/4" Shank		2	109
21728125	HICOAT® Carbide Bur SE-5 Oval Shape OMNI Cut 1/2" x 7/8" x 1/4" Shank		2	109
21728122	Carbide Bur SE-5 L6 Oval Shape OMNI Double Cut 1/2" x 7/8" x 1/4" Shank		2	109
21728111	HICOAT® Carbide Bur Set 8 Piece OMNI Cut 1/4" Shank Plastic Case		2	111

NEW!

New products in the Tool Manual
Milling, holemaking and deburring products

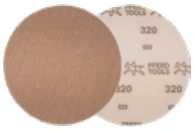
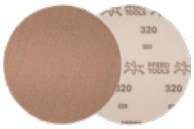
PFERD TOOLS

Item number	Description	Image	Catalog	Page
21728137	HICOAT® Carbide Bur Set 5 Piece OMNI Cut 1/4" Shank Plastic Case		2	111
21728138	HICOAT® Carbide Bur Set 3 Piece OMNI Cut 1/4" Shank Plastic Case		2	111
25202500	HSS 82° Countersink 1/4" diameter 1/4" Shank		2	153
25202501	HSS 82° Countersink 3/8" diameter 1/4" Shank		2	153
25202502	HSS 82° Countersink 1/2" diameter 1/4" Shank		2	153
25202503	HSS 82° Countersink 5/8" diameter 1/4" Shank		2	153
25202504	HSS 82° Countersink 3/4" diameter 1/4" Shank		2	153
25202505	HSS 82° Countersink 5-piece set		2	153

NEW!

New products in the Tool Manual
Fine grinding and finishing products

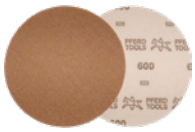
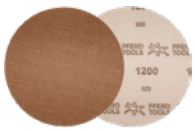
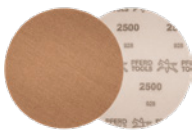
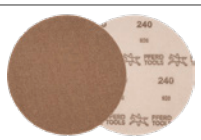
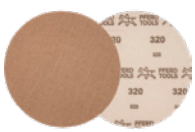
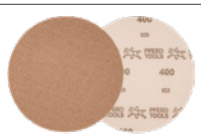
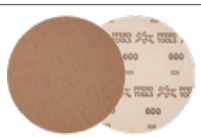
PFERD TOOLS

Item number	Description	Image	Catalog	Page
42779162	COMBICLICK® Unitized Disc, 4-1/2" Dia, Coarse, Soft, 2AM, Aluminum oxide		4	204
42779163	COMBICLICK® Unitized Disc, 4-1/2" Dia, Fine, Medium-Soft, 3AF, Aluminum oxide		4	204
42779164	COMBICLICK® Unitized Disc, 4-1/2" Dia, Fine, Medium-Hard, 3AF, Aluminum oxide		4	204
42779165	COMBICLICK® Unitized Disc, 5" Dia, Coarse, Soft, 2AM, Aluminum oxide		4	204
42779166	COMBICLICK® Unitized Disc, 5" Dia, Fine, Medium-Soft, 3AF, Aluminum oxide		4	204
42779167	COMBICLICK® Unitized Disc, 5" Dia, Fine, Medium-Hard, 3AF, Aluminum oxide		4	205
42871119	Hook & Loop Disc KR DOT-A, 4-1/2", 240 Grit, Aluminum oxide		4	216
42871120	Hook & Loop Disc KR DOT-A, 4-1/2", 320 Grit, Aluminum oxide		4	216

NEW!

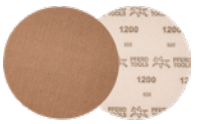
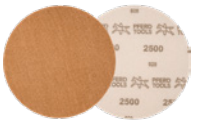
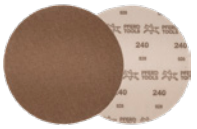
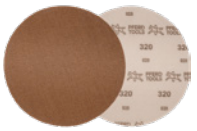
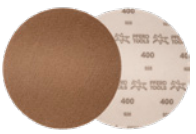
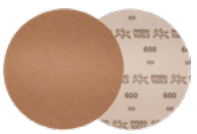
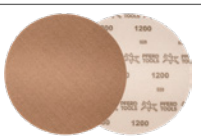
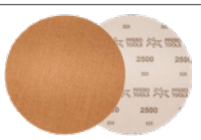
New products in the Tool Manual
Fine grinding and finishing products

PFERD TOOLS

Item number	Description	Image	Catalog	Page
42871121	Hook & Loop Disc KR DOT-A, 4-1/2", 400 Grit, Aluminum oxide		4	216
42871122	Hook & Loop Disc KR DOT-A, 4-1/2", 600 Grit, Aluminum oxide		4	216
42871123	Hook & Loop Disc KR DOT-A, 4-1/2", 1200 Grit, Aluminum oxide		4	216
42871124	Hook & Loop Disc KR DOT-A, 4-1/2", 2500 Grit, Aluminum oxide		4	216
42871219	Hook & Loop Disc KR DOT-A, 5", 240 Grit, Aluminum oxide		4	216
42871220	Hook & Loop Disc KR DOT-A, 5", 320 Grit, Aluminum oxide		4	216
42871221	Hook & Loop Disc KR DOT-A, 5", 400 Grit, Aluminum oxide		4	216
42871222	Hook & Loop Disc KR DOT-A, 5", 600 Grit, Aluminum oxide		4	216

NEW!

New products in the Tool Manual
Fine grinding and finishing products

Item number	Description	Image	Catalog	Page
42871223	Hook & Loop Disc KR DOT-A, 5", 1200 Grit, Aluminum oxide		4	216
42871224	Hook & Loop Disc KR DOT-A, 5", 2500 Grit, Aluminum oxide		4	216
42871019	Hook & Loop Disc KR DOT-A, 6", 240 Grit, Aluminum oxide		4	216
42871020	Hook & Loop Disc KR DOT-A, 6", 320 Grit, Aluminum oxide		4	216
42871021	Hook & Loop Disc KR DOT-A, 6", 400 Grit, Aluminum oxide		4	216
42871022	Hook & Loop Disc KR DOT-A, 6", 600 Grit, Aluminum oxide		4	216
42871023	Hook & Loop Disc KR DOT-A, 6", 1200 Grit, Aluminum oxide		4	216
42871024	Hook & Loop Disc KR DOT-A, 6", 2500 Grit, Aluminum oxide		4	216

NEW!

New products in the Tool Manual
Fine grinding and finishing products

PFERD TOOLS

Item number	Description	Image	Catalog	Page
42779170	COMBIDISC® Unitized Disc, 2" Dia, Type CD, Fine, Medium-Soft, Aluminum oxide		4	236
42779168	COMBIDISC® Unitized Disc, 2" Dia, Type CD, Fine, Medium-Soft, Silicon carbide		4	236
42779174	COMBIDISC® Unitized Disc, 3" Dia, Type CD, Fine, Medium-Soft, Aluminum oxide		4	236
42779172	COMBIDISC® Unitized Disc, 3" Dia, Type CD, Fine, Medium-Soft, Silicon carbide		4	236
42779171	COMBIDISC® Unitized Disc, 2" Dia, Type CDR, Fine, Medium-Soft, Aluminum oxide		4	236
42779169	COMBIDISC® Unitized Disc, 2" Dia, Type CDR, Fine, Medium-Soft, Silicon carbide		4	236
42779175	COMBIDISC® Unitized Disc, 3" Dia, Type CDR, Fine, Medium-Soft, Aluminum oxide		4	236
42779173	COMBIDISC® Unitized Disc, 3" Dia, Type CDR, Fine, Medium-Soft, Silicon carbide		4	236

NEW!

New products in the Tool Manual
Fine grinding and finishing products

PFERD TOOLS

Item number	Description	Image	Catalog	Page
42779160	POLINOX® Unitized Wheel, 3" x 1/4 x 1/4, Coarse, 6AG, Medium-Hard, Aluminum oxide		4	299
42779159	POLINOX® Unitized Wheel, 3" x 1/4 x 1/4, Fine, 6SF, Medium-Hard, Silicon carbide		4	299
42779161	POLINOX® Unitized Wheel, 3" x 1/4 x 1/4, Fine, 8AM, Hard, Aluminum oxide		4	299
42779154	POLINOX® Unitized Wheel, 6" x 1 x 1, Coarse, 2AM, Soft, Aluminum oxide		4	299
42779155	POLINOX® Unitized Wheel, 6" x 1/4 x 1, Coarse, 3AF, Medium-Soft, Aluminum oxide		4	299
44691462	POLINOX® Unitized Wheel, 6" x 1 x 1, Fine, Soft, 3AF, Aluminum oxide		4	299
42779156	POLINOX® Unitized Wheel, 6" x 1/4 x 1, Coarse, 6AM, Medium-Hard, Aluminum oxide		4	299
42779157	POLINOX® Unitized Wheel, 6" x 1/4 x 1, Fine, 6SF, Medium-Hard, Silicon carbide		4	299

NEW!

New products in the Tool Manual
Fine grinding and finishing products

PFERD TOOLS

Item number	Description	Image	Catalog	Page
42779153	POLINOX® Unitized Wheel, 6" x 1 x 1, Fine, 6SF, Medium-Hard, Silicon carbide		4	299
42779158	POLINOX® Unitized Wheel, 6" x 1/4 x 1, Coarse, 8AC, Hard, Aluminum oxide		4	300
44691061	POLINOX® Unitized Wheel, 6" x 1 x 1, Coarse, Hard, 8AC, Aluminum oxide		4	300
42779176	POLINOX® Unitized Disc, 4-1/2" x 1/2 x 7/8, T27, Coarse, Soft, Aluminum oxide		4	300
42779177	POLINOX® Unitized Disc, 4-1/2" x 1/2 x 7/8, T27, Fine, Medium-Soft, Aluminum oxide		4	300
42779178	POLINOX® Unitized Disc, 4-1/2" x 1/2 x 7/8, T27, Fine, Medium-Hard, Aluminum oxide		4	300
42779179	POLINOX® Unitized Disc, 5" x 1/2 x 7/8, T27, Coarse, Soft, Aluminum oxide		4	301
42779180	POLINOX® Unitized Disc, 5" x 1/2 x 7/8, T27, Fine, Medium-Soft, Aluminum oxide		4	301

NEW!

New products in the Tool Manual
Fine grinding and finishing products

PFERD TOOLS

Item number	Description	Image	Catalog	Page
42779181	POLINOX® Unitized Disc, 5″ x 1/2 x 7/8, T27, Fine, Medium-Hard, Aluminum oxide		4	301
47805188	POLINOX® Unitized Disc, 4-1/2″ x 1/2 x 5/8-11, T27, Coarse, Soft, Aluminum oxide		4	301
47805189	POLINOX® Unitized Disc, 4-1/2″ x 1/2 x 5/8-11, T27, Fine, Medium-Soft, Aluminum oxide		4	301
47805190	POLINOX® Unitized Disc, 4-1/2″ x 1/2 x 5/8-11, T27, Fine, Medium-Hard, Aluminum oxide		4	301
47805191	POLINOX® Unitized Disc, 5″ x 1/2 x 5/8-11, T27, Coarse, Soft, Aluminum oxide		4	301
47805192	POLINOX® Unitized Disc, 5″ x 1/2 x 5/8-11, T27, Fine, Medium-Soft, Aluminum oxide		4	301
47805193	POLINOX® Unitized Disc, 5″ x 1/2 x 5/8-11, T27, Fine, Medium-Hard, Aluminum oxide		4	301

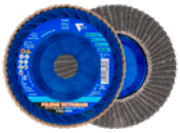
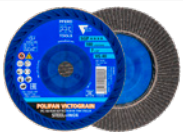
NEW!

New products in the Tool Manual
Diamond and CBN tools

Item number	Description	Image	Catalog	Page
68200003	DS Multi Power Carbide Cut-off Wheel, 4-1/2" x 0.045 x 7/8, retail packaging		5	359

NEW!

New products in the Tool Manual
Cut-off wheels, flap discs and grinding wheels

Item number	Description	Image	Catalog	Page
61342115	Cut-Off Wheel, 4-1/2" x .040 x 7/8, CERAMIC SGP STEELOX, T1, Ceramic oxide		6	376
61342125	Cut-Off Wheel, 5" x .040 x 7/8, CERAMIC SGP STEELOX, T1, Ceramic oxide		6	376
67761115	Flap Disc, 4-1/2" x 7/8, SGP VICTOGRAIN TRIM STEELOX, 40 Grit, T29, Conical, Ceramic		6	392
67762115	Flap Disc, 4-1/2" x 7/8, SGP VICTOGRAIN TRIM STEELOX, 60 Grit, T29, Conical, Ceramic		6	392
67761125	Flap Disc, 5" x 7/8, SGP VICTOGRAIN TRIM STEELOX, 40 Grit, T29, Conical, Ceramic		6	392
67762125	Flap Disc, 5" x 7/8, SGP VICTOGRAIN TRIM STEELOX, 60 Grit, T29, Conical, Ceramic		6	392
67761180	Flap Disc, 7" x 7/8, SGP VICTOGRAIN TRIM STEELOX, 40 Grit, T29, Conical, Ceramic		6	392
67762180	Flap Disc, 7" x 7/8, SGP VICTOGRAIN TRIM STEELOX, 60 Grit, T29, Conical, Ceramic		6	392

NEW!

New products in the Tool Manual

Cut-off wheels, flap discs and grinding wheels

Item number	Description	Image	Catalog	Page
64195180	Grinding disc, CC-GRIND®-ROBUST, 7" x 7/8, SGP STEELOX VICTOGRAIN®, Ceramic		6	399
64196116	Grinding disc, CC-GRIND® VIEW, 4-1/2" x 7/8, SGP STEELOX VICTOGRAIN®, Ceramic		6	400

NEW!

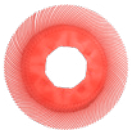
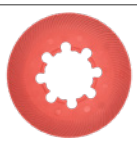
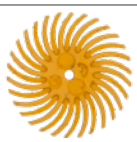
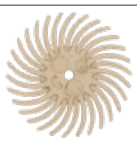
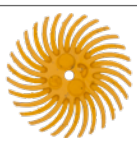
New products in the Tool Manual
Industrial power brushes

Item number	Description	Image	Catalog	Page
43311074	Abrasive Bristle Brush, 6" x 5/8", 1" Arbor Hole, Yellow 80 grit Ceramic Oxide		8	465
43311072	Abrasive Bristle Brush, Curved, 6" x 5/8", 1" Arbor Hole, White 120 grit Ceramic Oxide		8	465
43311073	Abrasive Bristle Brush, 6" x 5/8", 1" Arbor Hole, Red 220 grit Ceramic Oxide		8	465
43311077	Abrasive Bristle Brush, 8" x 5/8", 1" Arbor Hole, Yellow 80 grit Ceramic Oxide		8	465
43311076	Abrasive Bristle Brush, 8" x 5/8", 1" Arbor Hole, White 120 grit Ceramic Oxide		8	465
43311075	Abrasive Bristle Brush, 8" x 5/8", 1" Arbor Hole, Red 220 grit Ceramic Oxide		8	465
43595087	Single Segment Abrasive Bristle Brush, Curved, 6" x 1/16", 2" Arbor Hole, Yellow 80 Grit Ceramic Oxide		8	465
43595085	Single Segment Abrasive Bristle Brush, Curved, 6" x 1/16", 2" Arbor Hole, White 120 Grit Ceramic Oxide		8	465

NEW!

New products in the Tool Manual
Industrial power brushes

PFERD TOOLS

Item number	Description	Image	Catalog	Page
43595086	Single Segment Abrasive Bristle Brush, Curved, 6" x 1/16", 2" Arbor Hole, Red 220 Grit Ceramic Oxide		8	465
43595093	Single Segment Abrasive Bristle Brush, Curved, 8" x 1/16", 2" Arbor Hole, Yellow 80 Grit Ceramic Oxide		8	465
43595091	Single Segment Abrasive Bristle Brush, Curved, 8" x 1/16", 2" Arbor Hole, White 120 Grit Ceramic Oxide		8	465
43595092	Single Segment Abrasive Bristle Brush, Curved, 8" x 1/16", 2" Arbor Hole, Red 220 Grit Ceramic Oxide		8	465
43595084	Single Segment Abrasive Bristle Brush, Curved, 9/16" x 1/16", 1/16" Arbor Hole, Yellow 80 Grit Ceramic Oxide		8	466
43595081	Single Segment Abrasive Bristle Brush, Curved, 9/16" x 1/16", 1/16" Arbor Hole, White 120 grit Ceramic Oxide		8	466
43595083	Single Segment Abrasive Bristle Brush, Curved, 9/16" x 1/16", 1/16" Arbor Hole, Red 220 grit Ceramic Oxide		8	466
43595090	Single Segment Abrasive Bristle Brush, Curved, 3/4" x 1/16", 1/16" Arbor Hole, Yellow 80 Grit Ceramic Oxide		8	466

NEW!

New products in the Tool Manual
Industrial power brushes

Item number	Description	Image	Catalog	Page
43595088	Single Segment Abrasive Bristle Brush, Curved, 3/4" x 1/16", 1/16" Arbor Hole, White 120 Grit Ceramic Oxide		8	466
43595089	Single Segment Abrasive Bristle Brush, Curved, 3/4" x 1/16", 1/16" Arbor Hole, Red 220 Grit Ceramic Oxide		8	466
43690018	Single Segment Abrasive Bristle Brush, Curved, 1" x 1/16", 1/8" Arbor Hole, Yellow 80 Grit Ceramic Oxide		8	466
43595094	Single Segment Abrasive Bristle Brush, Curved, 1" x 1/16", 1/8" Arbor Hole, White 120 Grit Ceramic Oxide		8	466
43690017	Single Segment Abrasive Bristle Brush, Curved, 1" x 1/16", 1/8" Arbor Hole, Red 220 Grit Ceramic Oxide		8	466
43595072	Arbor for Abrasive Bristle Brush for 1/16" Arbor Hole, 1/8" Shank		8	508
43595073	Arbor for Abrasive Bristle Brush for 1/8" Arbor Hole, 1/8" Shank		8	508
43701268	Arbor Hole Adapter for 6" Abrasive Bristle Brush Segments, 2" to 1", 7/8", 3/4", 5/8", 1/2"		8	509

NEW!

New products in the Tool Manual
Industrial power brushes

Item number	Description	Image	Catalog	Page
43701269	Arbor Hole Adapter for 8″ Abrasive Bristle Brush Segments, 2″ to 1″, 7/8″, 3/4″, 5/8″, 1/2″		8	509

NEW!

New products in the Tool Manual
Power tools

Item number	Description	Image	Catalog	Page
83004028	Straight handpiece RCK GS 4/100 M 1/4" 10,000-5,000 RPM/380 watts medium-length design		9	560
83004030	Straight handpiece RCK GS 4/50 M 1/4" 5,000-2,500 RPM/380 watts medium-length design		9	560
83004029	Straight handpiece RCK GS 4/100 V 1/4" 10,000-5,000 RPM/380 watts extended design		9	560
83004031	Straight handpiece RCK GS 4/50 V 1/4" 5,000-2,500 RPM/380 watts extended design		9	560
83002017	Angle handpiece RCK WS 1/300 90° with 1/8" collet 30,000-15,000 RPM/120 watts		9	561
83002018	Angle handpiece RCK WS 1/300 45° 1/8" 30,000-15,000 RPM/380 watts		9	562
83004016	Angle handpiece RCK WS 4/50 90° with 1/4" collet 5,000-2,500 RPM/380 watts		9	562
83004033	Angle handpiece RCK WS 4/250 45° with 1/4" collet 25,000-15,000 RPM/380 watts		9	562

NEW!

New products in the Tool Manual
Power tools

Item number	Description	Image	Catalog	Page
83004035	Angle handpiece RCK WS 4/70 45° 7,000-3,500 RPM/380 watts		9	562

NEW!

PFERD TOOLS

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