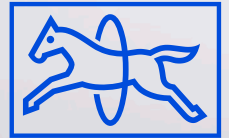


PFERD



TOOLS



4



# Fine grinding and polishing tools

### Fine grinding and polishing tools

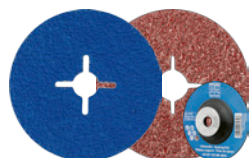
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### COMBICLICK



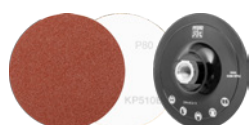
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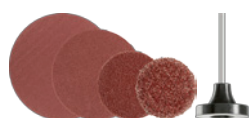
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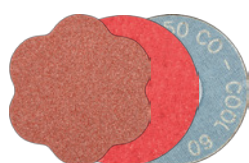
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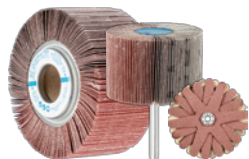
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# Fine grinding and polishing tools

## Highlights from the PFERD TOOLS range



### COMBICLICK

The COMBICLICK system consists of a specially developed backing pad and a rugged mounting system at the back of the tool.

The backing pad enables COMBICLICK tools to be used on conventional angle grinders for the use of fibre discs and non-woven and felt tools.

The unique geometry of the cooling slots in the backing pad ensures high air throughput, which in turn considerably reduces the thermal load on the abrasive material and the workpiece.

Compared with conventional tools, the quick-mounting system, robust holder, secure tool-locking feature and integrated cooling system together achieve a workpiece temperature that is up to 30% lower, a 25% higher stock removal rate, a 30% longer tool life and better utilization of the abrasive material.

Scan the QR code to find out more about the COMBICLICK range.

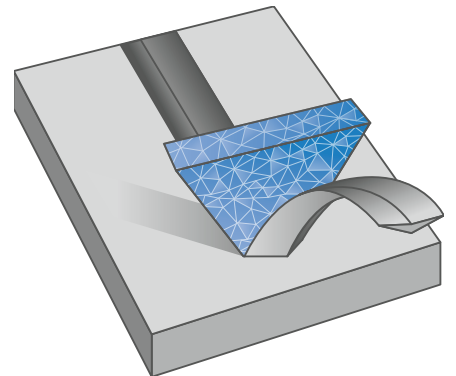


### VICTOGRAIN

**VICTOGRAIN** products are some of the most effective grinding tools in the world. The triangular, precision-formed abrasive grain from PFERD TOOLS helps provide a uniquely high level of abrasive performance. The **VICTOGRAIN** abrasive grit triangles are identical in shape and size and their cutting edges are applied to the workpiece at the optimum angle, meaning the grit needs very little energy to penetrate the workpiece. The user thus benefits from an efficient machining process with fast work progress, a long tool life, a reduced influx of heat into the workpiece and a lower power output required for the tool drive.

By combining all these properties together, users benefit from the ultimate, constant performance during cool grinding and an extremely long tool life together with consistent workpiece surface roughness.

Scan the QR code to find out more about the **VICTOGRAIN** products.



### Non-woven tools

Non-woven abrasives come into their own where other grinding tools reach their limits and are unable to produce the desired results. The elastic properties of the polyamide fibres and the positive effect of the non-woven abrasive give rise to outstanding, gentle finishing tools.

Non-woven abrasives consist of polyamide fibres, synthetic resins 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. Non-woven abrasives do not clog up, do not leave rust on surfaces and are not conductive.

Non-woven abrasive material is excellent when used for deburring, cleaning or working on the surface of many metals, including aluminium, 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.





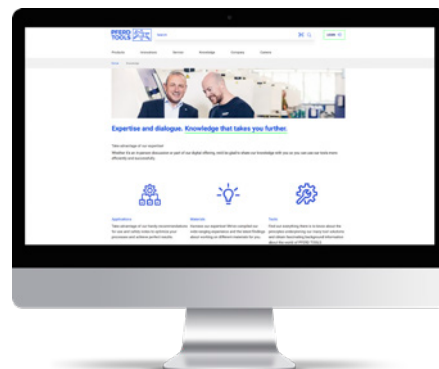
# Fine grinding and polishing tools

## Highlights from the PFERD TOOLS range



### More expert 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

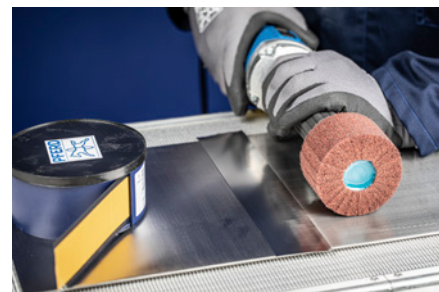
### Custom-made products

If you cannot find the solution for your particular application in our extensive catalogue range, we can produce fine grinding and polishing tools in premium PFERD TOOLS quality specifically for your application on request.

We can take into account your specifications and needs, drawings, information on dimensions and shapes, grit sizes and grain types, grain mixtures, shank diameters and shank lengths. Please speak to our sales representatives. We will be happy to advise you.

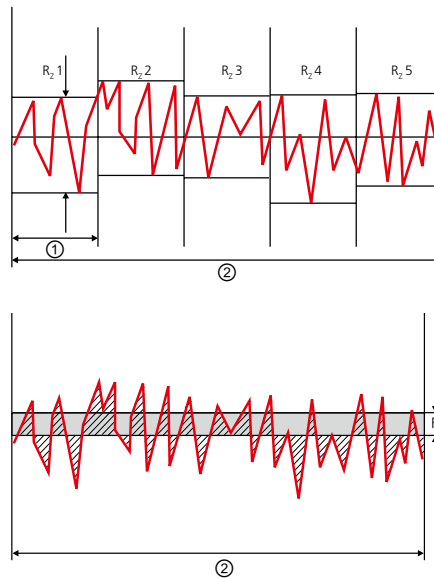
### Factors that influence the surface roughness:

- The abrasive material, the material you will be working on and the machining parameters all affect the surface roughness. As a general rule:
- The larger the grain, the rougher the surface produced.
  - The softer the material that is being machined, the coarser the surface produced when using the same grit size.
  - The increase in cutting speed leads to a slightly better surface quality.
  - Reducing the feed rate produces a slightly finer surface quality.



### A distinction is made between the following roughness depths:

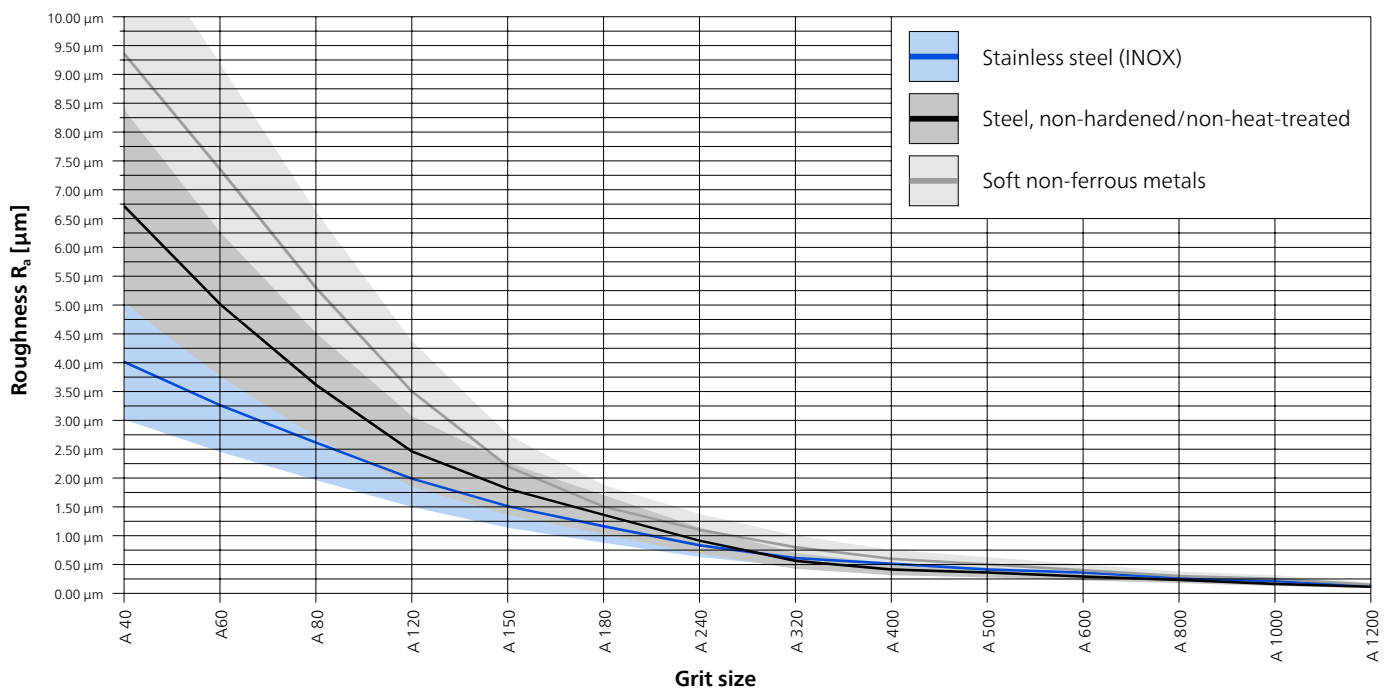
- **Individual roughness depth  $R_{zi}$**   
The sum of the height of the largest profile peak and the depth of the largest profile trough within an individual measuring section.
- **Roughness depth  $R_z$**   
The mean value of the individual roughness depths ( $R_{zi}$ ) of consecutive individual measuring sections.
- **Roughness depth  $R_{max}$**   
The largest individual roughness depth within the overall measuring section.
- **Average roughness value  $R_a$**   
The arithmetic average of the amounts of all values of the roughness profile.



① Individual measuring section  
② Overall measuring section

| Application                                                   | Roughness depth                    |
|---------------------------------------------------------------|------------------------------------|
| Coarse grinding:<br>grit sizes 24 to 150                      | $R_a = 0.70$ to $12 \mu\text{m}$   |
| Fine grinding:<br>grit sizes 180 to 400                       | $R_a = 0.20$ to $0.70 \mu\text{m}$ |
| Very fine grinding:<br>grit sizes 500 to 1,200                | $R_a = 0.05$ to $0.20 \mu\text{m}$ |
| Structuring:<br>surfaces ground                               | $R_a = 0.20$ to $0.70 \mu\text{m}$ |
| Satin finishing/matt<br>finishing: with non-woven<br>abrasive | $R_a = 0.10$ to $0.70 \mu\text{m}$ |
| Polishing:                                                    |                                    |
| Step 1:                                                       | $R_a = 0.10$ to $0.20 \mu\text{m}$ |
| Step 2:                                                       | $R_a = 0.04$ to $0.10 \mu\text{m}$ |
| Step 3:                                                       | $R_a < 0.01 \mu\text{m}$           |

Reference values for roughness depths in the case of different applications.

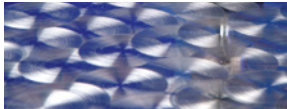


Surface roughness of different materials after machining with tools using coated abrasives.

# Fine grinding and polishing tools

The quick way to find the perfect tool



| Work type ▶                                                                                                                                                | Face-down grinding<br>Tools with backing pad                                                                                                                                                    |                                                                                                                                                                         | Belt grinding<br>Tools for belt sanders                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                            |                                                                                                                |                                                                                                                                                                         |                           |
| <b>Work steps ▼</b>                                                                                                                                        |                                                                                                                                                                                                 |                                                                                                                                                                         |                                                                                                              |
| <b>Changing geometrical profiles</b><br>                                  |  COMBIDISC<br><ul style="list-style-type: none"> <li>Abrasive discs</li> <li>Diamond abrasive discs</li> </ul> |  COMBICLICK<br><ul style="list-style-type: none"> <li>Fibre discs</li> </ul>           |  Short belts              |
|                                                                                                                                                            |  COMBIDISC<br><ul style="list-style-type: none"> <li>Mini fibre discs</li> </ul>                               |  Fibre discs                                                                           |  Long belts               |
|                                                                                                                                                            |  COMBIDISC<br><ul style="list-style-type: none"> <li>Mini-POLIFAN</li> <li>Mini-POLIFAN FLEX</li> </ul>        |  Hook and loop discs                                                                   |                                                                                                              |
| <b>Step-by-step fine grinding</b><br><b>Reducing roughness depths</b><br> |  COMBIDISC<br><ul style="list-style-type: none"> <li>Abrasive discs</li> <li>Non-woven discs</li> </ul>        |  PSA discs                                                                             |  Short belts              |
|                                                                                                                                                            |  COMBICLICK<br><ul style="list-style-type: none"> <li>Fibre discs</li> <li>Non-woven discs</li> </ul>          |  Poliflex<br><ul style="list-style-type: none"> <li>Discs</li> </ul>                   |  Long belts               |
|                                                                                                                                                            |  Fibre discs                                                                                                   |  POLINOX<br><ul style="list-style-type: none"> <li>Unitized discs</li> </ul>           |                                                                                                              |
|                                                                                                                                                            |  Hook and loop abrasive discs                                                                                 |  POLINOX Discs<br><ul style="list-style-type: none"> <li>PNL</li> <li>PNZ</li> </ul>  |                                                                                                              |
|                                                                                                                                                            |  Hook and loop discs                                                                                         |                                                                                                                                                                         |                                                                                                              |
| <b>Fine grinding</b><br><b>Very fine grinding</b><br>                   |  COMBIDISC<br><ul style="list-style-type: none"> <li>Abrasive discs</li> <li>Non-woven discs</li> </ul>      |  Poliflex<br><ul style="list-style-type: none"> <li>Discs</li> </ul>                 |  Short belts            |
|                                                                                                                                                            |  COMBICLICK<br><ul style="list-style-type: none"> <li>Fibre discs</li> </ul>                                 |  POLINOX<br><ul style="list-style-type: none"> <li>Unitized discs</li> </ul>         |  Long belts             |
|                                                                                                                                                            |  Fibre discs                                                                                                 |  Grinding oils                                                                       |  Short belts, non-woven |
|                                                                                                                                                            |  PSA discs                                                                                                   |                                                                                                                                                                         |  Grinding oils          |
| <b>Cleaning</b><br>                                                     |  COMBIDISC<br><ul style="list-style-type: none"> <li>Non-woven discs</li> </ul>                              |  POLIVLIES<br><ul style="list-style-type: none"> <li>Hook and loop discs</li> </ul>  |  Short belts, non-woven |
|                                                                                                                                                            |  COMBIDISC<br><ul style="list-style-type: none"> <li>POLICLEAN discs</li> </ul>                              |  POLICLEAN<br><ul style="list-style-type: none"> <li>Discs</li> </ul>                |                                                                                                              |
|                                                                                                                                                            |  COMBICLICK<br><ul style="list-style-type: none"> <li>Non-woven discs</li> </ul>                             |                                                                                                                                                                         |                                                                                                              |
| <b>Creating visual effects</b><br>                                      |  COMBIDISC<br><ul style="list-style-type: none"> <li>Non-woven discs</li> </ul>                              |  Poliflex<br><ul style="list-style-type: none"> <li>Structuring tools</li> </ul>     |  Short belts, non-woven |
|                                                                                                                                                            |  COMBIDISC<br><ul style="list-style-type: none"> <li>TX discs</li> </ul>                                     |  POLIVLIES<br><ul style="list-style-type: none"> <li>Hook and loop discs</li> </ul>  |                                                                                                              |
|                                                                                                                                                            |  COMBICLICK<br><ul style="list-style-type: none"> <li>Non-woven discs</li> </ul>                             |  POLIVLIES<br><ul style="list-style-type: none"> <li>Flap discs</li> </ul>           |                                                                                                              |
|                                                                                                                                                            |  Marbling tools                                                                                              |  POLINOX-Discs<br><ul style="list-style-type: none"> <li>PNL</li> <li>PNZ</li> </ul> |                                                                                                              |
| <b>Polishing</b><br>                                                    |  COMBIDISC<br><ul style="list-style-type: none"> <li>Felt discs</li> </ul>                                   |  Felt flap discs                                                                     |  Short belts, felt      |
|                                                                                                                                                            |  COMBICLICK<br><ul style="list-style-type: none"> <li>Felt discs</li> </ul>                                  |                                                                                                                                                                         |                                                                                                              |





# Fine grinding and polishing tools

The quick way to find the perfect tool

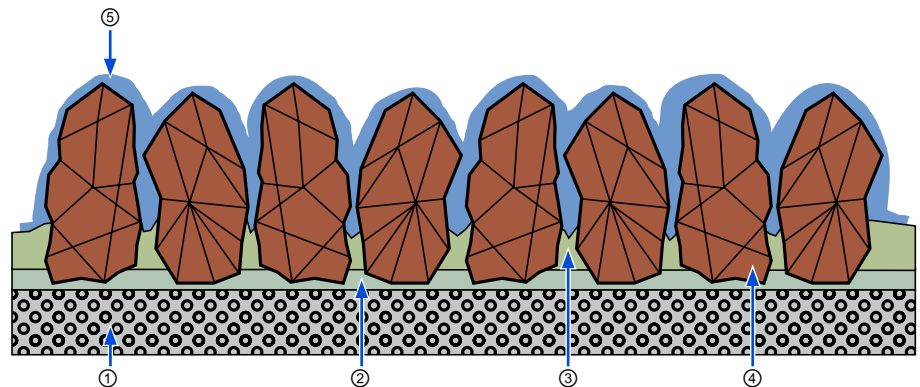


| Work type ▶                                                               | Peripheral grinding<br>Mounted tools, tools with arbor holes |                                                 | Manual grinding                       |                                  |
|---------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------|---------------------------------------|----------------------------------|
|                                                                           |                                                              |                                                 |                                       |                                  |
| <b>Work steps ▼</b>                                                       |                                                              |                                                 |                                       |                                  |
| <b>Changing geometrical profiles</b><br>                                  | Abrasive spiral bands                                        | POLICAP                                         |                                       |                                  |
|                                                                           | POLIROLL, POLICO                                             | Overlap slotted discs                           |                                       |                                  |
| <b>Step-by-step fine grinding</b><br><b>Reducing roughness depths</b><br> | Abrasive spiral bands                                        | Unmounted flap wheels for angle grinders        | Poliflex<br>■ Blocks                  |                                  |
|                                                                           | POLIROLL                                                     | Flap drums                                      | Ceramic fibre files                   |                                  |
|                                                                           | POLICAP                                                      | POLISTAR                                        | Abrasive sheets<br>■ Cloth<br>■ Paper |                                  |
|                                                                           | Mounted flap wheels                                          | Overlap slotted discs                           | Shop rolls<br>■ Cloth<br>■ Paper      |                                  |
|                                                                           | Unmounted flap wheels                                        |                                                 | Flexible sanding sticks               |                                  |
| <b>Fine grinding</b><br><b>Very fine grinding</b><br>                     | POLIROLL, POLICO                                             | POLINOX<br>■ Unitized/convolute wheels          | Poliflex<br>■ Blocks                  | Shop rolls<br>■ Cloth<br>■ Paper |
|                                                                           | Poliflex<br>■ Fine grinding discs                            | POLINOX<br>■ Unitized/convolute grinding points | Abrasive sheets<br>■ Cloth<br>■ Paper | Diamond hand pads                |
|                                                                           | Poliflex<br>■ Fine grinding points                           | Grinding oils                                   | Abrasive sponge                       |                                  |
| <b>Cleaning</b><br>                                                       | POLINOX<br>■ Mounted grinding wheels                         | POLIVLIES<br>■ CURVE                            | Abrasive sheets<br>■ Cloth<br>■ Paper |                                  |
|                                                                           | POLINOX<br>■ Unmounted grinding wheels                       | POLICLEAN<br>■ Wheels                           | POLINOX<br>■ Hand pads                |                                  |
|                                                                           | POLINOX<br>■ Cross buffs                                     | POLICLEAN<br>■ Mounted tools                    | Shop rolls<br>■ Cloth<br>■ Paper      |                                  |
|                                                                           | POLINOX<br>■ Grinding drums                                  | POLICLEAN<br>■ Grinding drums                   | Non-woven shop rolls                  |                                  |
| <b>Creating visual effects</b><br>                                        | POLINOX<br>■ Mounted grinding wheels                         | POLIFLAP<br>Schleifrad                          | POLINOX<br>■ Hand pads                |                                  |
|                                                                           | POLINOX<br>■ Unmounted grinding wheels                       | Poliflex<br>■ Structuring tools                 | Non-woven shop rolls                  |                                  |
|                                                                           | POLINOX<br>■ Wheels                                          | Flap drums                                      | Masking tape                          |                                  |
|                                                                           | POLINOX<br>■ Grinding drums                                  |                                                 |                                       |                                  |
| <b>Polishing</b><br>                                                      | Felt points                                                  | Mounted felt flap wheels                        | Diamond polishing pastes              | Grinding pastes                  |
|                                                                           | Felt wheels and lenses                                       | Cloth rings                                     | Polishing paste bars                  |                                  |

### Structure of coated abrasives

PFERD TOOLS offers a wide selection of coated abrasive tools for working on different 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 wood-working 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

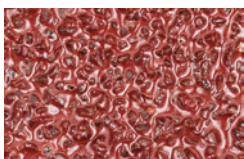
When adapted to the corresponding applications, vulcanized fibre in various thicknesses is predominantly used for making fibre grinding discs. Vulcanized fibre is a very sturdy, robust backing material, and also very wear-resistant.

### 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

Selecting the right abrasive grain has a great influence on the surface quality and efficiency. The most common abrasive grain materials are:



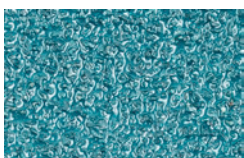
#### Aluminium oxide A

Numerous types of aluminium 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 aluminium oxide and a "sharp-edged" grain shape are predominantly used for coated abrasives.



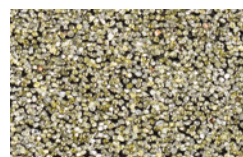
#### Silicon carbide SiC

Silicon carbide is synthetically manufactured abrasive grain which is very sharp-edged, with low toughness and very high hardness. It is particularly suitable for work on titanium, aluminium, 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.



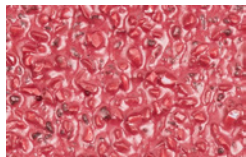
#### Zirconia alumina Z

Zirconia alumina is a fused mixture of aluminium oxide and zirconium oxide. In comparison to aluminium 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 tool life.



#### Diamond grain D

Diamond grain is the hardest abrasive. It consists of pure carbon in a crystal-line structure. For grinding tools, the diamonds used are generally produced synthetically at very high temperatures and under high pressure. The properties of diamond grain can be adapted for use in grinding tools through various synthesis conditions.



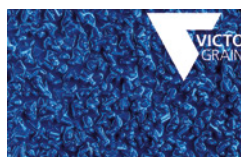
### Ceramic oxide grain

For sintered aluminium oxides, a differentiation is made between sintered bauxite aluminium oxides and sol-gel aluminium oxides. Sol-gel aluminium 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 thanks 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 aluminium 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 tool life with a constant surface quality.



### VICTOGRAIN

#### VICTOGRAIN-COOL

By combining all these properties together, users benefit from the ultimate, constant performance during cool grinding and an extremely long tool life together with consistent workpiece surface roughness.

4



## Grit sizes

The various grit sizes for coated abrasives are set out in ISO 6344 and have been adopted in FEPA standards.



### Coarse

P 12 – 16 – 20 – 24 – 36 – 40 – 50 – 60 – 80



### Medium

P 100 – 120 – 150 – 180 – 220 – 240 – 280



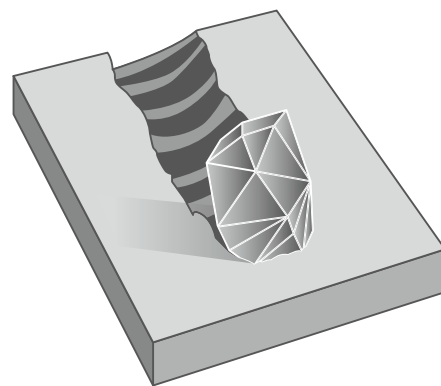
### Fine

P 320 – 360 – 400 – 500 – 600



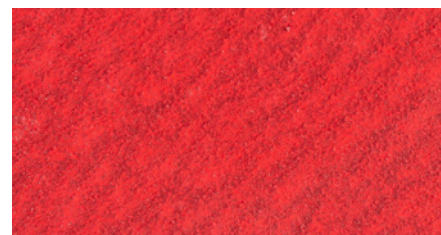
### Ultra-fine

P 800 – 1,000 – 1,200 – 1,500



## ⑤ Active grinding layer

The use of an active grinding layer significantly increases the stock removal rate and reduces the workpiece temperature. This is particularly advantageous for materials which conduct heat poorly, such as stainless steel (INOX). Products from PFERD TOOLS with an active grinding layer have the suffix "COOL" in the item designation.





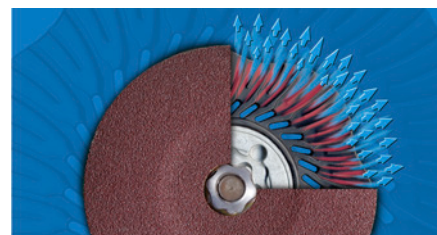
### System

Very easy and convenient to use.



### Clamping

Extremely quick and easy tool changes, which reduces process costs.



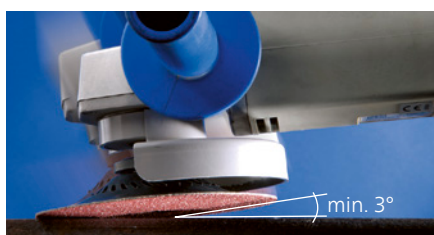
### Cooling effect

Excellent cooling of the tool and workpiece.



### Flexible grinding

Particularly soft and flexible grinding performance during face-down grinding with fibre disc dia. 125 mm.



### COMBICLICK can be used at extremely low angles

Using COMBICLICK helps to avoid scratches caused by protruding clamping pieces, and exploits the abrasive material that is available.



By way of comparison, the contact angle for fibre discs is much steeper.

## The quick way to find the perfect tool

|                           |                                             |                                                                                                                                                                                 | Abrasive ▶           |             |                           |            |                        |                           |                                          |                               |                 |
|---------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------|---------------------------|------------|------------------------|---------------------------|------------------------------------------|-------------------------------|-----------------|
| Material group ▼          |                                             |                                                                                                                                                                                 | Aluminium oxide<br>A | Zircon<br>Z | Ceramic oxide<br>grain CO | VICTOGRain | Silicon carbide<br>SiC | Aluminium oxide<br>A-COOL | Ceramic oxide<br>grain CO-COOL<br>(PLUS) | Ceramic oxide<br>grain CO-ALU | VICTOGRain-COOL |
| Steel,<br>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 aluminium alloys                                                                                                                                                           | ○                    |             |                           |            |                        | ●                         | ○                                        | ○                             |                 |
|                           |                                             | Brass, copper, zinc                                                                                                                                                             | ●                    | ○           | ○                         |            |                        |                           |                                          | ○                             |                 |
|                           | Hard non-ferrous metals                     | Hard aluminium 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 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) | ●                    | ○           | ●                         |            |                        |                           |                                          |                               |                 |
| Plastics, other materials |                                             | Fibre-reinforced plastics, thermoplastics, wood, chipboard, paint                                                                                                               | ●                    |             |                           |            | ●                      |                           |                                          |                               |                 |

● = highly suitable ○ = suitable



## Safety notes

- The maximum permitted peripheral speed is 80 m/s.
- 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!



## 4

## Fibre discs CC-FS



### Aluminium oxide A version

For general grinding work from coarse to fine grinding in industry and professional trades.

#### Special features:

- The innovative quick-mounting system ensures convenient handling and cool grinding.
- High economic efficiency thanks to long tool life and very high stock removal rate. Consistent surface finish thanks to high-quality abrasives.
- Quick tool changes thanks to the innovative COMBICLICK quick-clamping system. Please order backing pad separately.

| D<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation     |
|-----------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-----------------|
| 100       | A        | 36        | 15,300   | 25                                                                                  | 64189001 | CC-FS 100 A 36  |
|           |          | 50        | 15,300   | 25                                                                                  | 64189002 | CC-FS 100 A 50  |
|           |          | 60        | 15,300   | 25                                                                                  | 64189003 | CC-FS 100 A 60  |
|           |          | 80        | 15,300   | 25                                                                                  | 64189004 | CC-FS 100 A 80  |
|           |          | 120       | 15,300   | 25                                                                                  | 64189005 | CC-FS 100 A 120 |
| 115       | A        | 24        | 13,300   | 25                                                                                  | 64190002 | CC-FS 115 A 24  |
|           |          | 36        | 13,300   | 25                                                                                  | 64190003 | CC-FS 115 A 36  |
|           |          | 50        | 13,300   | 25                                                                                  | 64190005 | CC-FS 115 A 50  |
|           |          | 60        | 13,300   | 25                                                                                  | 64190006 | CC-FS 115 A 60  |
|           |          | 80        | 13,300   | 25                                                                                  | 64190008 | CC-FS 115 A 80  |
|           |          | 120       | 13,300   | 25                                                                                  | 64190012 | CC-FS 115 A 120 |
| 125       | A        | 24        | 12,200   | 25                                                                                  | 64190102 | CC-FS 125 A 24  |
|           |          | 36        | 12,200   | 25                                                                                  | 64190103 | CC-FS 125 A 36  |
|           |          | 50        | 12,200   | 25                                                                                  | 64190105 | CC-FS 125 A 50  |
|           |          | 60        | 12,200   | 25                                                                                  | 64190106 | CC-FS 125 A 60  |
|           |          | 80        | 12,200   | 25                                                                                  | 64190108 | CC-FS 125 A 80  |
|           |          | 120       | 12,200   | 25                                                                                  | 64190112 | CC-FS 125 A 120 |



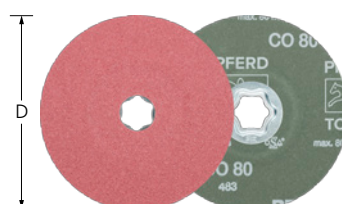
### Zirconia alumina Z version

For coarse grinding work with a high stock removal rate and a long tool life.

#### Special features:

- The innovative quick-mounting system ensures convenient handling and cool grinding.
- High economic efficiency thanks to long tool life and very high stock removal rate. Consistent surface finish thanks to high-quality abrasives.
- Quick tool changes thanks to the innovative COMBICLICK quick-clamping system. Please order backing pad separately.

| D [mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation     |
|--------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-----------------|
| 115    | Z        | 36        | 13,300   | 25                                                                                | 64290003 | CC-FS 115 Z 36  |
|        |          | 50        | 13,300   | 25                                                                                | 64290005 | CC-FS 115 Z 50  |
|        |          | 60        | 13,300   | 25                                                                                | 64290006 | CC-FS 115 Z 60  |
|        |          | 80        | 13,300   | 25                                                                                | 64290008 | CC-FS 115 Z 80  |
|        |          | 120       | 13,300   | 25                                                                                | 64290012 | CC-FS 115 Z 120 |
| 125    | Z        | 24        | 12,200   | 25                                                                                | 64290102 | CC-FS 125 Z 24  |
|        |          | 36        | 12,200   | 25                                                                                | 64290103 | CC-FS 125 Z 36  |
|        |          | 50        | 12,200   | 25                                                                                | 64290105 | CC-FS 125 Z 50  |
|        |          | 60        | 12,200   | 25                                                                                | 64290106 | CC-FS 125 Z 60  |
|        |          | 80        | 12,200   | 25                                                                                | 64290108 | CC-FS 125 Z 80  |
|        |          | 120       | 12,200   | 25                                                                                | 64290112 | CC-FS 125 Z 120 |



### Ceramic oxide grain CO version

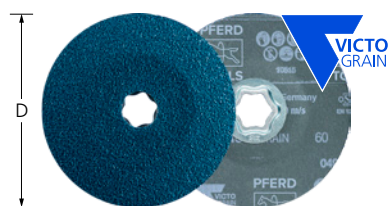
For aggressive grinding with maximum stock removal rate and very long tool life. Consistently high performance due to self-sharpening ceramic oxide grain. The ceramic oxide grain is specifically designed for work on hard materials and layers.



#### Special features:

- The innovative quick-mounting system ensures convenient handling and cool grinding.
- High economic efficiency thanks to long tool life and very high stock removal rate. Consistent surface finish thanks to high-quality abrasives.
- Quick tool changes thanks to the innovative COMBICLICK quick-clamping system. Please order backing pad separately.

| D [mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation      |
|--------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|------------------|
| 115    | CO       | 24        | 13,300   | 25                                                                                  | 64192002 | CC-FS 115 CO 24  |
|        |          | 36        | 13,300   | 25                                                                                  | 64192003 | CC-FS 115 CO 36  |
|        |          | 50        | 13,300   | 25                                                                                  | 64192005 | CC-FS 115 CO 50  |
|        |          | 60        | 13,300   | 25                                                                                  | 64192006 | CC-FS 115 CO 60  |
|        |          | 80        | 13,300   | 25                                                                                  | 64192008 | CC-FS 115 CO 80  |
|        |          | 120       | 13,300   | 25                                                                                  | 64192012 | CC-FS 115 CO 120 |
| 125    | CO       | 24        | 12,200   | 25                                                                                  | 64192102 | CC-FS 125 CO 24  |
|        |          | 36        | 12,200   | 25                                                                                  | 64192103 | CC-FS 125 CO 36  |
|        |          | 50        | 12,200   | 25                                                                                  | 64192105 | CC-FS 125 CO 50  |
|        |          | 60        | 12,200   | 25                                                                                  | 64192106 | CC-FS 125 CO 60  |
|        |          | 80        | 12,200   | 25                                                                                  | 64192108 | CC-FS 125 CO 80  |



### VICTOGRAIN version

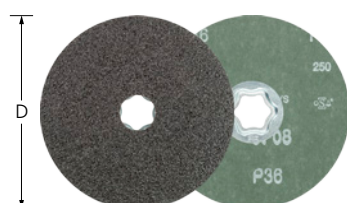
For maximum aggressive grinding with an extremely long tool life and the ultimate stock removal rate on steel and hard materials. The ultimate, consistently high performance.



#### Special features:

- The innovative quick-mounting system ensures convenient handling and cool grinding.
- High economic efficiency thanks to long tool life and very high stock removal rate. Consistent surface finish thanks to high-quality abrasives.
- Quick tool changes thanks to the innovative COMBICLICK quick-clamping system. Please order backing pad separately.

| D<br>[mm] | Abrasive   | Grit size | Max. RPM |  | Item no. | Designation             |
|-----------|------------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------------------|
| 100       | VICTOGRAIN | 36        | 15,300   | 25                                                                                | 64110136 | CC-FS 100 VICTOGRAIN 36 |
|           |            | 60        | 15,300   | 25                                                                                | 64110160 | CC-FS 100 VICTOGRAIN 60 |
|           |            | 80        | 15,300   | 25                                                                                | 64110180 | CC-FS 100 VICTOGRAIN 80 |
| 115       | VICTOGRAIN | 36        | 13,300   | 25                                                                                | 64111636 | CC-FS 115 VICTOGRAIN 36 |
|           |            | 60        | 13,300   | 25                                                                                | 64111660 | CC-FS 115 VICTOGRAIN 60 |
|           |            | 80        | 13,300   | 25                                                                                | 64111680 | CC-FS 115 VICTOGRAIN 80 |
| 125       | VICTOGRAIN | 36        | 12,200   | 25                                                                                | 64112636 | CC-FS 125 VICTOGRAIN 36 |
|           |            | 60        | 12,200   | 25                                                                                | 64112660 | CC-FS 125 VICTOGRAIN 60 |
|           |            | 80        | 12,200   | 25                                                                                | 64112680 | CC-FS 125 VICTOGRAIN 80 |
| 180       | VICTOGRAIN | 36        | 8,500    | 25                                                                                | 64118136 | CC-FS 180 VICTOGRAIN 36 |
|           |            | 60        | 8,500    | 25                                                                                | 64118160 | CC-FS 180 VICTOGRAIN 60 |
|           |            | 80        | 8,500    | 25                                                                                | 64118180 | CC-FS 180 VICTOGRAIN 80 |



### Silicon carbide SiC version

For general grinding work on components made of aluminium, copper, bronze, titanium and fibre-reinforced plastics. Particularly recommended for use on titanium alloys. Ideally suited for use in the aircraft industry, particularly when SiC is the only abrasive approved for use.

#### Special features:

- The innovative quick-mounting system ensures convenient handling and cool grinding.
- High economic efficiency thanks to long tool life and very high stock removal rate. Consistent surface finish thanks to high-quality abrasives.
- Quick tool changes thanks to the innovative COMBICLICK quick-clamping system. Please order backing pad separately.

| D<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation       |
|-----------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-------------------|
| 115       | SiC      | 36        | 13,300   | 25                                                                                  | 64294003 | CC-FS 115 SiC 36  |
|           |          | 60        | 13,300   | 25                                                                                  | 64294006 | CC-FS 115 SiC 60  |
|           |          | 80        | 13,300   | 25                                                                                  | 64294008 | CC-FS 115 SiC 80  |
|           |          | 120       | 13,300   | 25                                                                                  | 64294012 | CC-FS 115 SiC 120 |
| 125       | SiC      | 36        | 12,200   | 25                                                                                  | 64294103 | CC-FS 125 SiC 36  |
|           |          | 60        | 12,200   | 25                                                                                  | 64294106 | CC-FS 125 SiC 60  |
|           |          | 80        | 12,200   | 25                                                                                  | 64294108 | CC-FS 125 SiC 80  |
|           |          | 120       | 12,200   | 25                                                                                  | 64294112 | CC-FS 125 SiC 120 |



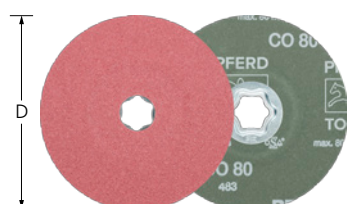
### Aluminium oxide A-COOL version

For general grinding work from fine to very fine grinding on materials which do not conduct heat well, e.g. stainless steel (INOX) and aluminium. Active grinding additives substantially improve the stock removal rate, prevent clogging and result in cooler grinding.

#### Special features:

- The innovative quick-mounting system ensures convenient handling and cool grinding.
- High economic efficiency thanks to long tool life and very high stock removal rate. Consistent surface finish thanks to high-quality abrasives.
- Quick tool changes thanks to the innovative COMBICLICK quick-clamping system. Please order backing pad separately.

| D<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation          |
|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|----------------------|
| 115       | A-COOL   | 60        | 13,300   | 25                                                                                | 64191006 | CC-FS 115 A-COOL 60  |
|           |          | 80        | 13,300   | 25                                                                                | 64191008 | CC-FS 115 A-COOL 80  |
|           |          | 120       | 13,300   | 25                                                                                | 64191012 | CC-FS 115 A-COOL 120 |
|           |          | 150       | 13,300   | 25                                                                                | 64191015 | CC-FS 115 A-COOL 150 |
|           |          | 220       | 13,300   | 25                                                                                | 64191022 | CC-FS 115 A-COOL 220 |
| 125       | A-COOL   | 50        | 12,200   | 25                                                                                | 64191105 | CC-FS 125 A-COOL 50  |
|           |          | 60        | 12,200   | 25                                                                                | 64191106 | CC-FS 125 A-COOL 60  |
|           |          | 80        | 12,200   | 25                                                                                | 64191108 | CC-FS 125 A-COOL 80  |
|           |          | 120       | 12,200   | 25                                                                                | 64191112 | CC-FS 125 A-COOL 120 |
|           |          | 150       | 12,200   | 25                                                                                | 64191115 | CC-FS 125 A-COOL 150 |
|           |          | 180       | 12,200   | 25                                                                                | 64191118 | CC-FS 125 A-COOL 180 |
|           |          | 220       | 12,200   | 25                                                                                | 64191122 | CC-FS 125 A-COOL 220 |



### Ceramic oxide grain CO-COOL version

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:

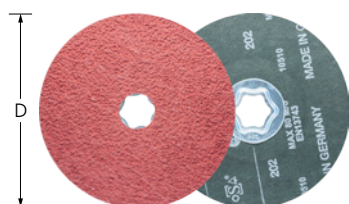
- The innovative quick-mounting system ensures convenient handling and cool grinding.
- High economic efficiency thanks to long tool life and very high stock removal rate. Consistent surface finish thanks to high-quality abrasives.
- Quick tool changes thanks to the innovative COMBICLICK quick-clamping system. Please order backing pad separately.

| D<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation           |
|-----------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-----------------------|
| 100       | CO-COOL  | 36        | 15,300   | 25                                                                                  | 64189101 | CC-FS 100 CO-COOL 36  |
|           |          | 50        | 15,300   | 25                                                                                  | 64189102 | CC-FS 100 CO-COOL 50  |
|           |          | 60        | 15,300   | 25                                                                                  | 64189103 | CC-FS 100 CO-COOL 60  |
|           |          | 80        | 15,300   | 25                                                                                  | 64189104 | CC-FS 100 CO-COOL 80  |
|           |          | 120       | 15,300   | 25                                                                                  | 69401582 | CC-FS 100 CO-COOL 120 |
| 115       | CO-COOL  | 24        | 13,300   | 25                                                                                  | 64193002 | CC-FS 115 CO-COOL 24  |
|           |          | 36        | 13,300   | 25                                                                                  | 64193003 | CC-FS 115 CO-COOL 36  |
|           |          | 50        | 13,300   | 25                                                                                  | 64193005 | CC-FS 115 CO-COOL 50  |
|           |          | 60        | 13,300   | 25                                                                                  | 64193006 | CC-FS 115 CO-COOL 60  |
|           |          | 80        | 13,300   | 25                                                                                  | 64193008 | CC-FS 115 CO-COOL 80  |
|           |          | 120       | 13,300   | 25                                                                                  | 64193012 | CC-FS 115 CO-COOL 120 |
| 125       | CO-COOL  | 24        | 12,200   | 25                                                                                  | 64193102 | CC-FS 125 CO-COOL 24  |
|           |          | 36        | 12,200   | 25                                                                                  | 64193103 | CC-FS 125 CO-COOL 36  |
|           |          | 50        | 12,200   | 25                                                                                  | 64193105 | CC-FS 125 CO-COOL 50  |

Continued on next page



| D<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation           |
|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-----------------------|
| 125       | CO-COOL  | 60        | 12,200   | 25                                                                                | 64193106 | CC-FS 125 CO-COOL 60  |
|           |          | 80        | 12,200   | 25                                                                                | 64193108 | CC-FS 125 CO-COOL 80  |
|           |          | 120       | 12,200   | 25                                                                                | 64193112 | CC-FS 125 CO-COOL 120 |
| 180       | CO-COOL  | 24        | 8,500    | 25                                                                                | 64193302 | CC-FS 180 CO-COOL 24  |
|           |          | 36        | 8,500    | 25                                                                                | 64193303 | CC-FS 180 CO-COOL 36  |
|           |          | 50        | 8,500    | 25                                                                                | 64193305 | CC-FS 180 CO-COOL 50  |
|           |          | 60        | 8,500    | 25                                                                                | 64193306 | CC-FS 180 CO-COOL 60  |
|           |          | 80        | 8,500    | 25                                                                                | 64193308 | CC-FS 180 CO-COOL 80  |



### Ceramic oxide grain CO-COOL PLUS version

Consistently high performance and maximum aggressive grinding due to self-sharpening ceramic oxide grain. Active grinding additives improve the stock removal rate, prevent clogging and result in very cool grinding on hard materials which do not conduct heat well.

#### Special features:

- High economic efficiency thanks to long tool life and the ultimate stock removal rate.
- Consistent surface finish thanks to high-quality abrasives. Highly flexible, enabling optimal adjustment to the contour.
- Quick tool changes thanks to the innovative COMBICLICK quick-clamping system. Please order backing pad separately.

| D<br>[mm] | Abrasive     | Grit size | Max. RPM |  | Item no. | Designation               |
|-----------|--------------|-----------|----------|-----------------------------------------------------------------------------------|----------|---------------------------|
| 115       | CO-COOL-PLUS | 24        | 13,300   | 25                                                                                | 64193004 | CC-FS 115 CO-COOL PLUS 24 |
| 125       | CO-COOL-PLUS | 24        | 12,200   | 25                                                                                | 64193104 | CC-FS 125 CO-COOL PLUS 24 |



### Ceramic oxide grain CO-COOL-CONTOUR version

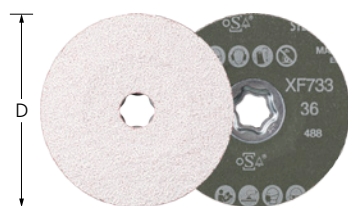
Very flexible and adaptable outer contour that does not cut into the workpiece. Consistently high performance and aggressive grinding due to self-sharpening ceramic oxide grain. Active grinding additives improve the stock removal rate, prevent clogging and result in cooler grinding.



#### Special features:

- The innovative quick-mounting system ensures convenient handling and cool grinding.
- High economic efficiency thanks to long tool life and very high stock removal rate. Consistent surface finish thanks to high-quality abrasives.
- Use only the CC-GT 115-125 backing pad with M14 or 5/8" thread to maintain the flexibility at the edge of the fibre discs.

| D<br>[mm] | Abrasive | Grit size   | Max. RPM |  | Item no. | Designation                   |
|-----------|----------|-------------|----------|-------------------------------------------------------------------------------------|----------|-------------------------------|
| 125       | CO-COOL  | 60 CONTOUR  | 12,200   | 25                                                                                  | 64112560 | CC-FS 125 CO-COOL 60 CONTOUR  |
|           |          | 80 CONTOUR  | 12,200   | 25                                                                                  | 64112580 | CC-FS 125 CO-COOL 80 CONTOUR  |
|           |          | 120 CONTOUR | 12,200   | 25                                                                                  | 64112512 | CC-FS 125 CO-COOL 120 CONTOUR |



### Ceramic oxide grain CO-ALU version

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 significantly reduce the chip adhesion and therefore reduce clogging of the fibre discs.

#### Special features:

- The innovative quick-mounting system ensures convenient handling and cool grinding.
- High economic efficiency thanks to long tool life and very high stock removal rate. Consistent surface finish thanks to high-quality abrasives.
- Quick tool changes thanks to the innovative COMBICLICK quick-clamping system. Please order backing pad separately.

| D<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation         |
|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|---------------------|
| 115       | CO-ALU   | 36        | 13,300   | 25                                                                                | 64194003 | CC-FS 115 CO-ALU 36 |
|           |          | 60        | 13,300   | 25                                                                                | 64194006 | CC-FS 115 CO-ALU 60 |
|           |          | 80        | 13,300   | 25                                                                                | 64194008 | CC-FS 115 CO-ALU 80 |
| 125       | CO-ALU   | 36        | 12,200   | 25                                                                                | 64194103 | CC-FS 125 CO-ALU 36 |
|           |          | 60        | 12,200   | 25                                                                                | 64194106 | CC-FS 125 CO-ALU 60 |
|           |          | 80        | 12,200   | 25                                                                                | 64194108 | CC-FS 125 CO-ALU 80 |



### VICTOGRAIN-COOL version

For maximum aggressive grinding with an extremely long tool life, the ultimate stock removal rate and consistently high performance on steel and hard materials which do not conduct heat well. Active grinding additives in the coating prevent clogging and result in cooler grinding.



#### Special features:

- The innovative quick-mounting system ensures convenient handling and cool grinding.
- High economic efficiency thanks to long tool life and very high stock removal rate. Consistent surface finish thanks to high-quality abrasives.
- Quick tool changes thanks to the innovative COMBICLICK quick-clamping system. Please order backing pad separately.

| D<br>[mm] | Abrasive        | Grit size | Max. RPM |  | Item no. | Designation                  |
|-----------|-----------------|-----------|----------|-------------------------------------------------------------------------------------|----------|------------------------------|
| 100       | VICTOGRAIN-COOL | 36        | 15,300   | 25                                                                                  | 64110036 | CC-FS 100 VICTOGRAIN-COOL 36 |
|           |                 | 60        | 15,300   | 25                                                                                  | 64110060 | CC-FS 100 VICTOGRAIN-COOL 60 |
|           |                 | 80        | 15,300   | 25                                                                                  | 64110080 | CC-FS 100 VICTOGRAIN-COOL 80 |
| 115       | VICTOGRAIN-COOL | 36        | 13,300   | 25                                                                                  | 64111536 | CC-FS 115 VICTOGRAIN-COOL 36 |
|           |                 | 60        | 13,300   | 25                                                                                  | 64111560 | CC-FS 115 VICTOGRAIN-COOL 60 |
|           |                 | 80        | 13,300   | 25                                                                                  | 64111580 | CC-FS 115 VICTOGRAIN-COOL 80 |
| 125       | VICTOGRAIN-COOL | 36        | 12,200   | 25                                                                                  | 64112536 | CC-FS 125 VICTOGRAIN-COOL 36 |
|           |                 | 60        | 12,200   | 25                                                                                  | 64112506 | CC-FS 125 VICTOGRAIN-COOL 60 |
|           |                 | 80        | 12,200   | 25                                                                                  | 64112508 | CC-FS 125 VICTOGRAIN-COOL 80 |
| 180       | VICTOGRAIN-COOL | 36        | 8,500    | 25                                                                                  | 64118036 | CC-FS 180 VICTOGRAIN-COOL 36 |
|           |                 | 60        | 8,500    | 25                                                                                  | 64118060 | CC-FS 180 VICTOGRAIN-COOL 60 |
|           |                 | 80        | 8,500    | 25                                                                                  | 64118080 | CC-FS 180 VICTOGRAIN-COOL 80 |



## Soft type CC-VRW

Suitable for very fine grinding on medium-sized and large surfaces and contours, and for cleaning metal and painted surfaces. Achieve matt and satin-finished surfaces. Highly open structure.



### Special features:

- Ideal for face-down grinding on medium-sized and large surfaces.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- The innovative quick-mounting system ensures convenient handling and cool grinding. Order necessary backing pad separately.

| D [mm] | Abrasive | Grit size | Version   | Opt. RPM | Max. RPM |  | Item no. | Designation      |
|--------|----------|-----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|------------------|
| 100    | A        | 100       | medium    | 3,800    | 12,000   | 10                                                                                | 42001032 | CC-VRW 100 A 100 |
|        |          | 180       | fine      | 3,800    | 12,000   | 10                                                                                | 42001031 | CC-VRW 100 A 180 |
|        |          | 280       | very fine | 3,800    | 12,000   | 10                                                                                | 42001030 | CC-VRW 100 A 280 |
| 115    | A        | 100       | medium    | 3,300    | 10,500   | 10                                                                                | 42001052 | CC-VRW 115 A 100 |
|        |          | 180       | fine      | 3,300    | 10,500   | 10                                                                                | 42001051 | CC-VRW 115 A 180 |
|        |          | 280       | very fine | 3,300    | 10,500   | 10                                                                                | 42001050 | CC-VRW 115 A 280 |
| 125    | A        | 100       | medium    | 3,100    | 9,650    | 10                                                                                | 42001062 | CC-VRW 125 A 100 |
|        |          | 180       | fine      | 3,100    | 9,650    | 10                                                                                | 42001061 | CC-VRW 125 A 180 |
|        |          | 280       | very fine | 3,100    | 9,650    | 10                                                                                | 42001060 | CC-VRW 125 A 280 |



## Hard type CC-VRH

Suitable for general work on medium-sized and large metal surfaces, e.g. removing rough grinding traces, removing oxidation and light deburring work. Achieve matt and satin-finished surfaces.



### Special features:

- Ideal for face-down grinding on medium-sized and large surfaces.
- Little wear due to high tear strength. The open structure of the non-woven material prevents tool clogging.
- The innovative quick-mounting system ensures convenient handling and cool grinding. Order necessary backing pad separately.

| D [mm] | Abrasive | Grit size | Version              | Opt. RPM | Max. RPM |  | Item no. | Designation        |
|--------|----------|-----------|----------------------|----------|----------|-------------------------------------------------------------------------------------|----------|--------------------|
| 100    | A        | 100 G     | coarse, yellow-brown | 3,800    | 12,000   | 10                                                                                  | 42000032 | CC-VRH 100 A 100 G |
|        |          | 180 M     | medium, red-brown    | 3,800    | 12,000   | 10                                                                                  | 42000031 | CC-VRH 100 A 180 M |
|        |          | 240 F     | fine, blue           | 3,800    | 12,000   | 10                                                                                  | 42000030 | CC-VRH 100 A 240 F |
| 115    | A        | 100 G     | coarse, yellow-brown | 3,300    | 10,500   | 10                                                                                  | 42000052 | CC-VRH 115 A 100 G |
|        |          | 180 M     | medium, red-brown    | 3,300    | 10,500   | 10                                                                                  | 42000051 | CC-VRH 115 A 180 M |
|        |          | 240 F     | fine, blue           | 3,300    | 10,500   | 10                                                                                  | 42000050 | CC-VRH 115 A 240 F |
| 125    | A        | 100 G     | coarse, yellow-brown | 3,100    | 9,650    | 10                                                                                  | 42000062 | CC-VRH 125 A 100 G |
|        |          | 180 M     | medium, red-brown    | 3,100    | 9,650    | 10                                                                                  | 42000061 | CC-VRH 125 A 180 M |
|        |          | 240 F     | fine, blue           | 3,100    | 9,650    | 10                                                                                  | 42000060 | CC-VRH 125 A 240 F |



## CC-PNER type

For achieving a very fine, uniform surface finish which, depending on requirements, is a sufficient preparation for high-gloss polishing. Especially suitable for work on larger surfaces on components made of stainless steel (INOX). Available in the aluminium oxide A and silicon carbide SiC types.

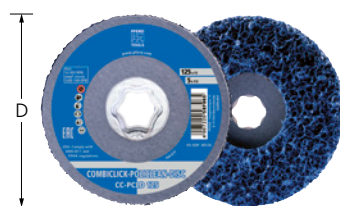


### Special features:

- Ideal for face-down grinding on medium-sized and large surfaces.
- High edge strength thanks to extreme durability.
- The innovative quick-mounting system ensures convenient handling and cool grinding. Order necessary backing pad separately.

| D [mm] | Abrasive | Version          | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation          |
|--------|----------|------------------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|----------------------|
| 100    | SiC      | W (soft)         | fine      | 5,700    | 9,550    | 5                                                                                 | 42002036 | CC-PNER W 100 SiC F  |
|        |          | MW (medium-soft) | fine      | 5,700    | 9,550    | 5                                                                                 | 42002076 | CC-PNER MW 100 SiC F |
|        |          | MH (medium-hard) | fine      | 5,700    | 9,550    | 5                                                                                 | 42002136 | CC-PNER MH 100 SiC F |
|        | A        | H (hard)         | fine      | 5,700    | 9,550    | 5                                                                                 | 42002172 | CC-PNER H 100 A F    |
| 115    | SiC      | W (soft)         | fine      | 5,000    | 8,350    | 5                                                                                 | 42002046 | CC-PNER W 115 SiC F  |
|        |          | MW (medium-soft) | fine      | 5,000    | 8,350    | 5                                                                                 | 42002086 | CC-PNER MW 115 SiC F |
|        |          | MH (medium-hard) | fine      | 5,000    | 8,350    | 5                                                                                 | 42002146 | CC-PNER MH 115 SiC F |
|        | A        | MH (medium-hard) | coarse    | 5,000    | 8,350    | 5                                                                                 | 47700202 | CC-PNER MH 115 A G   |
|        |          | H (hard)         | fine      | 5,000    | 8,350    | 5                                                                                 | 42002182 | CC-PNER H 115 A F    |
| 125    | SiC      | W (soft)         | fine      | 4,500    | 7,650    | 5                                                                                 | 42002056 | CC-PNER W 125 SiC F  |
|        |          | MW (medium-soft) | fine      | 4,500    | 7,650    | 5                                                                                 | 42002096 | CC-PNER MW 125 SiC F |
|        |          | MH (medium-hard) | fine      | 4,500    | 7,650    | 5                                                                                 | 42002156 | CC-PNER MH 125 SiC F |
|        | A        | MH (medium-hard) | coarse    | 4,500    | 7,650    | 5                                                                                 | 47700203 | CC-PNER MH 125 A G   |
|        |          | H (hard)         | fine      | 4,500    | 7,650    | 5                                                                                 | 42002192 | CC-PNER H 125 A F    |

## POLICLEAN discs



## POLICLEAN PLUS type

POLICLEAN is a coarsely structured, abrasive, non-woven cleaning fabric made from a special combination of synthetic fibres, resin and abrasive grain. For coarse cleaning work, such as removing paint, scale, heat discolouration, rust and adhesive residue in peripheral grinding on finer surfaces.

### Special features:

- High flexibility and open structure mean optimal adjustment to contours and no clogging of the tool itself.
- The innovative quick-mounting system ensures convenient handling and cool grinding. Please order compatible arbor separately.
- High edge strength thanks to extreme durability.

| D [mm] | Abrasive |  | Item no. | Designation      |
|--------|----------|-------------------------------------------------------------------------------------|----------|------------------|
| 115    | A        | 5                                                                                   | 44692275 | CC-PCLD PLUS 115 |
| 125    | A        | 5                                                                                   | 44692276 | CC-PCLD PLUS 125 |





### POLICLEAN standard type

POLICLEAN is a coarsely structured, abrasive, non-woven cleaning fabric made from a special combination of synthetic fibres, resin and abrasive grain. For coarse cleaning work such as removing paint, scale, heat discolouration, rust and adhesive residues in peripheral grinding.

#### Special features:

- High flexibility and open structure mean optimal adjustment to contours and no clogging of the tool itself.
- The innovative quick-mounting system ensures convenient handling and cool grinding. Please order compatible arbor separately.
- High edge strength thanks to extreme durability.

| D<br>[mm] | Abrasive |  | Item no. | Designation |
|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|
| 115       | SiC      | 5                                                                                 | 44692273 | CC-PCLD 115 |
| 125       | SiC      | 5                                                                                 | 44692274 | CC-PCLD 125 |

### Felt discs CC-FR



### CC-FR type

Suitable for polishing with polishing paste bars, grinding pastes or diamond polishing pastes in face-down grinding on medium-sized and large surfaces.



#### Special features:

- Ideal for face-down grinding on medium-sized and large surfaces.
- High economic efficiency due to very long tool life. Focused working over the entire lifespan thanks to high dimensional stability.
- The innovative quick-mounting system ensures convenient handling and cool grinding. Order necessary backing pad separately.

| D<br>[mm] | Opt. RPM | Max. RPM |  | Item no. | Designation |
|-----------|----------|----------|-------------------------------------------------------------------------------------|----------|-------------|
| 100       | 1,900    | 12,000   | 5                                                                                   | 42003005 | CC-FR 100   |
| 115       | 1,650    | 10,500   | 5                                                                                   | 42003015 | CC-FR 115   |
| 125       | 1,500    | 9,650    | 5                                                                                   | 42003025 | CC-FR 125   |



### CC-GT (medium) type

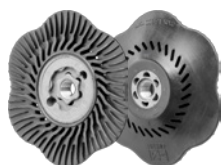
With this backing pad, COMBICLICK tools can be used on commercially available angle grinders. Various hardness levels for different applications and results.



#### Special features:

- The innovative quick-mounting system ensures convenient handling and rapid tool changing.
- The geometry of the cooling slots significantly reduces the thermal load. High economic efficiency due to minimal tool change times.
- The hardness CC-GT (medium) is indicated by the black colour.

| Suitable for tool diameter [mm] | Thread | Hardness | Suitable for machine types             | Max. RPM |  | Item no. | Designation       |
|---------------------------------|--------|----------|----------------------------------------|----------|-----------------------------------------------------------------------------------|----------|-------------------|
| 100                             | M10    | medium   | Angle grinders 100, spindle M10        | 15,300   | 1                                                                                 | 44890190 | CC-GT 100 M10     |
| 115, 125                        | M14    | medium   | Angle grinders 115 / 125, spindle M14  | 13,300   | 1                                                                                 | 44890150 | CC-GT 115-125 M14 |
|                                 | 5/8    | medium   | Angle grinders 115 / 125, spindle 5/8" | 13,300   | 1                                                                                 | 44890160 | CC-GT 115-125 5/8 |
| 125                             | M14    | medium   | Angle grinder 125, spindle M14         | 12,200   | 1                                                                                 | 44890151 | CC-GT 125 M14     |
|                                 | 5/8    | medium   | Angle grinders 125, spindle 5/8"       | 12,200   | 1                                                                                 | 44890161 | CC-GT 125 5/8"    |
| 180                             | M14    | medium   | Angle grinders 180, spindle M14        | 8,500    | 1                                                                                 | 44890170 | CC-GT 180 M14     |
|                                 | 5/8    | medium   | Angle grinders 180, spindle 5/8"       | 8,500    | 1                                                                                 | 44890180 | CC-GT 180 5/8     |



### CC-S-GT (soft) type

With this backing pad, COMBICLICK tools can be used on commercially available angle grinders.

#### Special features:

- The innovative quick-mounting system ensures convenient handling and rapid tool changing.
- The geometry of the cooling slots significantly reduces the thermal load. High economic efficiency due to minimal tool change times.
- The hardness CC-S-GT (soft) is indicated by the grey colour.

| Suitable for tool diameter [mm] | Thread | Hardness | Suitable for machine types             | Max. RPM |  | Item no. | Designation            |
|---------------------------------|--------|----------|----------------------------------------|----------|-------------------------------------------------------------------------------------|----------|------------------------|
| 115, 125                        | M14    | soft     | Angle grinders 115 / 125, spindle M14  | 13,300   | 1                                                                                   | 44890153 | CC-S-GT 115-125 M14    |
|                                 | 5/8    | soft     | Angle grinders 115 / 125, spindle 5/8" | 13,300   | 1                                                                                   | 44890163 | CC-S-GT 115-125 5/8-11 |



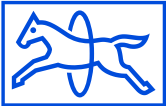
### CC-H-GT (hard) type

With this backing pad, COMBICLICK tools can be used on commercially available angle grinders.

#### Special features:

- The innovative quick-mounting system ensures convenient handling and rapid tool changing.
- The geometry of the cooling slots significantly reduces the thermal load. High economic efficiency due to minimal tool change times.
- The hardness CC-H-GT (hard) is indicated by the blue colour.

| Suitable for tool diameter [mm] | Thread | Hardness | Suitable for machine types             | Max. RPM |  | Item no. | Designation         |
|---------------------------------|--------|----------|----------------------------------------|----------|-------------------------------------------------------------------------------------|----------|---------------------|
| 115, 125                        | M14    | hard     | Angle grinders 115 / 125, spindle M14  | 13,300   | 1                                                                                   | 64199002 | CC-H-GT 115-125 M14 |
|                                 | 5/8    | hard     | Angle grinders 115 / 125, spindle 5/8" | 13,300   | 1                                                                                   | 64199012 | CC-H-GT 115-125 5/8 |
| 125                             | M14    | hard     | Angle grinder 125, spindle M14         | 12,200   | 1                                                                                   | 44890152 | CC-H-GT 125 M14     |
|                                 | 5/8    | hard     | Angle grinders 125, spindle 5/8"       | 12,200   | 1                                                                                   | 44890162 | CC-H-GT 125 5/8"    |



CC-SET

Set for work on surfaces, from coarse to mirror-polished.

Contents:

Three each of the following COMBICLICK fibre discs with abrasive and grit size: CO-COOL 36, CO-COOL 120 and A-COOL 220, one each of the following COMBICLICK non-woven discs: VRH A 180 M, VRH A 100 G, VRW A 280, VRW A 180, VRW A 100, PNER W SiC F, one universal polishing paste, one COMBICLICK felt disc and one COMBICLICK backing pad.

Special features:

- The innovative quick-mounting system ensures convenient handling and rapid tool changing.
- Ideal selection for completing a variety of tasks and getting to know the system.
- Coordinated selection of the most common versions.

| Diameter [mm] | Thread [mm] |  | Item no. | Designation       |
|---------------|-------------|-----------------------------------------------------------------------------------|----------|-------------------|
| 115           | 5/8-11      | 1                                                                                 | 49350073 | CC-SET 115 5/8-11 |
|               | M14         | 1                                                                                 | 49350071 | CC-SET 115 M14    |
| 125           | 5/8-11      | 1                                                                                 | 49350074 | CC-SET 125 5/8-11 |
|               | M14         | 1                                                                                 | 49350072 | CC-SET 125 M14    |

### The quick way to find the perfect tool

|                           |                                             |                                                                                                                                                                                 | Abrasive ▶        |          |                        |            |                        |               |                                    |                            |                 |
|---------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|------------------------|------------|------------------------|---------------|------------------------------------|----------------------------|-----------------|
| Material group ▼          |                                             |                                                                                                                                                                                 | Aluminium oxide A | Zircon Z | Ceramic oxide grain CO | VICTOGRain | Aluminium oxide A-COOL | Zircon Z-COOL | Ceramic oxide grain CO-COOL (PLUS) | 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 aluminium alloys                                                                                                                                                           | ○                 |          |                        |            | ●                      | ○             | ○                                  | ○                          |                 |
|                           |                                             | Brass, copper, zinc                                                                                                                                                             | ●                 | ○        | ○                      |            |                        |               |                                    | ○                          |                 |
|                           | Hard non-ferrous metals                     | Hard aluminium 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 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) | ●                 | ○        | ●                      |            |                        |               |                                    |                            |                 |
| Plastics, other materials |                                             | Fibre-reinforced plastics, thermoplastics, wood, chipboard, paint                                                                                                               | ●                 |          |                        |            |                        |               |                                    |                            |                 |

● = highly suitable ○ = suitable

### Safety notes

- The maximum permitted peripheral speed is 80 m/s.
- 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!



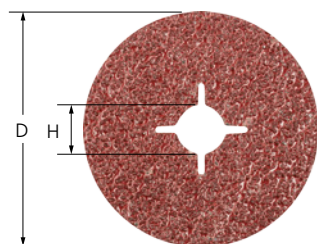
Follow the safety instructions!



Not permitted for wet grinding!







## Aluminium oxide A version

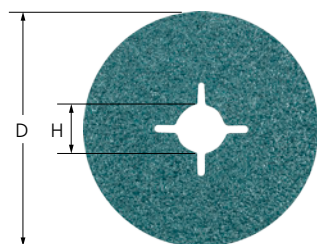
For general grinding work from coarse to fine grinding in industry and professional trades.



### Special features:

- High economic efficiency thanks to long tool life and very high stock removal rate.
- Consistent surface finish thanks 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<br>[mm] | H<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation     |
|-----------|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-----------------|
| slotted   |           |          |           |          |                                                                                   |          |                 |
| 115       | 22        | A        | 16        | 13,300   | 25                                                                                | 64101111 | FS 115-22 A 16  |
|           |           |          | 24        | 13,300   | 25                                                                                | 64102111 | FS 115-22 A 24  |
|           |           |          | 36        | 13,300   | 25                                                                                | 64103111 | FS 115-22 A 36  |
|           |           |          | 50        | 13,300   | 25                                                                                | 64105111 | FS 115-22 A 50  |
|           |           |          | 60        | 13,300   | 25                                                                                | 64106111 | FS 115-22 A 60  |
|           |           |          | 80        | 13,300   | 25                                                                                | 64108111 | FS 115-22 A 80  |
|           |           |          | 100       | 13,300   | 25                                                                                | 64110111 | FS 115-22 A 100 |
|           |           |          | 120       | 13,300   | 25                                                                                | 64112111 | FS 115-22 A 120 |
| 125       | 22        | A        | 16        | 12,200   | 25                                                                                | 64101125 | FS 125-22 A 16  |
|           |           |          | 24        | 12,200   | 25                                                                                | 64102125 | FS 125-22 A 24  |
|           |           |          | 36        | 12,200   | 25                                                                                | 64103125 | FS 125-22 A 36  |
|           |           |          | 50        | 12,200   | 25                                                                                | 64105125 | FS 125-22 A 50  |
|           |           |          | 60        | 12,200   | 25                                                                                | 64106125 | FS 125-22 A 60  |
|           |           |          | 80        | 12,200   | 25                                                                                | 64108125 | FS 125-22 A 80  |
|           |           |          | 100       | 12,200   | 25                                                                                | 64110125 | FS 125-22 A 100 |
|           |           |          | 120       | 12,200   | 25                                                                                | 64112125 | FS 125-22 A 120 |
| 150       | 22        | A        | 36        | 10,200   | 25                                                                                | 64103155 | FS 150-22 A 36  |
|           |           |          | 60        | 10,200   | 25                                                                                | 64106155 | FS 150-22 A 60  |
|           |           |          | 80        | 10,200   | 25                                                                                | 64108155 | FS 150-22 A 80  |
| 180       | 22        | A        | 16        | 8,500    | 25                                                                                | 64101175 | FS 180-22 A 16  |
|           |           |          | 24        | 8,500    | 25                                                                                | 64102175 | FS 180-22 A 24  |
|           |           |          | 36        | 8,500    | 25                                                                                | 64103175 | FS 180-22 A 36  |
|           |           |          | 50        | 8,500    | 25                                                                                | 64105175 | FS 180-22 A 50  |
|           |           |          | 60        | 8,500    | 25                                                                                | 64106175 | FS 180-22 A 60  |
|           |           |          | 80        | 8,500    | 25                                                                                | 64108175 | FS 180-22 A 80  |
|           |           |          | 100       | 8,500    | 25                                                                                | 64110175 | FS 180-22 A 100 |
|           |           |          | 120       | 8,500    | 25                                                                                | 64112175 | FS 180-22 A 120 |
| unslotted |           |          |           |          |                                                                                   |          |                 |
| 100       | 16        | A        | 16        | 15,300   | 25                                                                                | 69401127 | FS 100-16 A 16  |
|           |           |          | 24        | 15,300   | 25                                                                                | 69401016 | FS 100-16 A 24  |
|           |           |          | 36        | 15,300   | 25                                                                                | 69401015 | FS 100-16 A 36  |
|           |           |          | 50        | 15,300   | 25                                                                                | 69401065 | FS 100-16 A 50  |
|           |           |          | 60        | 15,300   | 25                                                                                | 69401023 | FS 100-16 A 60  |
|           |           |          | 80        | 15,300   | 25                                                                                | 69401024 | FS 100-16 A 80  |
|           |           |          | 100       | 15,300   | 25                                                                                | 69401019 | FS 100-16 A 100 |
|           |           |          | 120       | 15,300   | 25                                                                                | 69401067 | FS 100-16 A 120 |



### Zirconia alumina Z version

For coarse grinding work with a high stock removal rate and a long tool life.

#### Special features:

- High economic efficiency thanks to long tool life and very high stock removal rate.
- Consistent surface finish thanks 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<br>[mm] | H<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation |
|-----------|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|
|-----------|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|

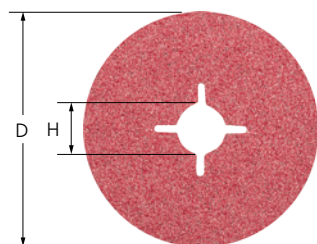
#### slotted

|     |    |   |     |        |    |          |                 |
|-----|----|---|-----|--------|----|----------|-----------------|
| 115 | 22 | Z | 24  | 13,300 | 25 | 64202111 | FS 115-22 Z 24  |
|     |    |   | 36  | 13,300 | 25 | 64203111 | FS 115-22 Z 36  |
|     |    |   | 50  | 13,300 | 25 | 64205111 | FS 115-22 Z 50  |
|     |    |   | 60  | 13,300 | 25 | 64206111 | FS 115-22 Z 60  |
|     |    |   | 80  | 13,300 | 25 | 64208111 | FS 115-22 Z 80  |
|     |    |   | 120 | 13,300 | 25 | 64212111 | FS 115-22 Z 120 |
| 125 | 22 | Z | 24  | 12,200 | 25 | 64202125 | FS 125-22 Z 24  |
|     |    |   | 36  | 12,200 | 25 | 64203125 | FS 125-22 Z 36  |
|     |    |   | 50  | 12,200 | 25 | 64205125 | FS 125-22 Z 50  |
|     |    |   | 60  | 12,200 | 25 | 64206125 | FS 125-22 Z 60  |
|     |    |   | 80  | 12,200 | 25 | 64208125 | FS 125-22 Z 80  |
|     |    |   | 120 | 12,200 | 25 | 64212125 | FS 125-22 Z 120 |
| 180 | 22 | Z | 24  | 8,500  | 25 | 64202175 | FS 180-22 Z 24  |
|     |    |   | 36  | 8,500  | 25 | 64203175 | FS 180-22 Z 36  |
|     |    |   | 50  | 8,500  | 25 | 64205175 | FS 180-22 Z 50  |
|     |    |   | 60  | 8,500  | 25 | 64206175 | FS 180-22 Z 60  |
|     |    |   | 80  | 8,500  | 25 | 64208175 | FS 180-22 Z 80  |
|     |    |   | 120 | 8,500  | 25 | 64212175 | FS 180-22 Z 120 |

#### unslotted

|     |    |   |     |        |    |          |                 |
|-----|----|---|-----|--------|----|----------|-----------------|
| 100 | 16 | Z | 24  | 15,300 | 25 | 69401548 | FS 100-16 Z 24  |
|     |    |   | 36  | 15,300 | 25 | 69401549 | FS 100-16 Z 36  |
|     |    |   | 50  | 15,300 | 25 | 69401550 | FS 100-16 Z 50  |
|     |    |   | 60  | 15,300 | 25 | 69401495 | FS 100-16 Z 60  |
|     |    |   | 80  | 15,300 | 25 | 69401551 | FS 100-16 Z 80  |
|     |    |   | 100 | 15,300 | 25 | 69401496 | FS 100-16 Z 100 |
|     |    |   | 120 | 15,300 | 25 | 69401552 | FS 100-16 Z 120 |





### Ceramic oxide grain CO version

For aggressive grinding with maximum stock removal rate and very long tool life. Consistently high performance due to self-sharpening ceramic oxide grain. The ceramic oxide grain is specifically designed for work on hard materials and layers.

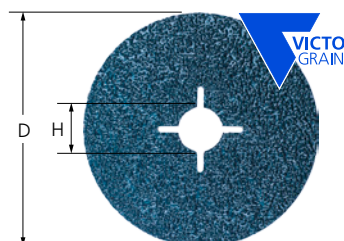
#### Special features:

- High economic efficiency thanks to long tool life and very high stock removal rate.
- Consistent surface finish thanks 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<br>[mm] | H<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation |
|-----------|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|
|-----------|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|

#### slotted

|     |    |    |    |        |    |          |                 |
|-----|----|----|----|--------|----|----------|-----------------|
| 115 | 22 | CO | 24 | 13,300 | 25 | 64152111 | FS 115-22 CO 24 |
|     |    |    | 36 | 13,300 | 25 | 64153111 | FS 115-22 CO 36 |
|     |    |    | 60 | 13,300 | 25 | 64156111 | FS 115-22 CO 60 |
|     |    |    | 80 | 13,300 | 25 | 64158111 | FS 115-22 CO 80 |
| 125 | 22 | CO | 24 | 12,200 | 25 | 64152125 | FS 125-22 CO 24 |
|     |    |    | 36 | 12,200 | 25 | 64153125 | FS 125-22 CO 36 |
|     |    |    | 50 | 12,200 | 25 | 64155125 | FS 125-22 CO 50 |
|     |    |    | 60 | 12,200 | 25 | 64156125 | FS 125-22 CO 60 |
|     |    |    | 80 | 12,200 | 25 | 64158125 | FS 125-22 CO 80 |
| 180 | 22 | CO | 24 | 8,500  | 25 | 64152175 | FS 180-22 CO 24 |
|     |    |    | 36 | 8,500  | 25 | 64153175 | FS 180-22 CO 36 |
|     |    |    | 60 | 8,500  | 25 | 64156175 | FS 180-22 CO 60 |
|     |    |    | 80 | 8,500  | 25 | 64158175 | FS 180-22 CO 80 |



### VICTOGRAIN version

For maximum aggressive grinding with an extremely long tool life and the ultimate stock removal rate on steel and hard materials. The ultimate, consistently high performance.



#### Special features:

- High economic efficiency thanks to long tool life and very high stock removal rate.
- Consistent surface finish thanks 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<br>[mm] | H<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation |
|-----------|-----------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-------------|
|-----------|-----------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-------------|

#### slotted

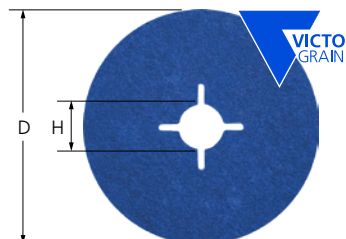
|     |    |            |    |        |    |          |                         |
|-----|----|------------|----|--------|----|----------|-------------------------|
| 115 | 22 | VICTOGRAIN | 36 | 13,300 | 25 | 64279012 | FS 115-22 VICTOGRAIN 36 |
|     |    |            | 60 | 13,300 | 25 | 64279021 | FS 115-22 VICTOGRAIN 60 |
|     |    |            | 80 | 13,300 | 25 | 64279022 | FS 115-22 VICTOGRAIN 80 |
| 125 | 22 | VICTOGRAIN | 36 | 12,200 | 25 | 64279013 | FS 125-22 VICTOGRAIN 36 |
|     |    |            | 60 | 12,200 | 25 | 64279023 | FS 125-22 VICTOGRAIN 60 |
|     |    |            | 80 | 12,200 | 25 | 64279024 | FS 125-22 VICTOGRAIN 80 |
| 150 | 22 | VICTOGRAIN | 36 | 10,200 | 25 | 64279018 | FS 150-22 VICTOGRAIN 36 |
|     |    |            | 60 | 10,200 | 25 | 64279025 | FS 150-22 VICTOGRAIN 60 |
|     |    |            | 80 | 10,200 | 25 | 64279026 | FS 150-22 VICTOGRAIN 80 |
| 180 | 22 | VICTOGRAIN | 36 | 8,500  | 25 | 64279014 | FS 180-22 VICTOGRAIN 36 |
|     |    |            | 60 | 8,500  | 25 | 64279027 | FS 180-22 VICTOGRAIN 60 |

Continued on next page

| D<br>[mm] | H<br>[mm] | Abrasive   | Grit size | Max. RPM |  | Item no. | Designation             |
|-----------|-----------|------------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------------------|
| 180       | 22        | VICTOGRAIN | 80        | 8,500    | 25                                                                                | 64279028 | FS 180-22 VICTOGRAIN 80 |

### unslotted

|     |    |            |    |        |    |          |                         |
|-----|----|------------|----|--------|----|----------|-------------------------|
| 100 | 16 | VICTOGRAIN | 36 | 15,300 | 25 | 64279011 | FS 100-16 VICTOGRAIN 36 |
|     |    |            | 60 | 15,300 | 25 | 64279019 | FS 100-16 VICTOGRAIN 60 |
|     |    |            | 80 | 15,300 | 25 | 64279020 | FS 100-16 VICTOGRAIN 80 |



### VICTOGRAIN-COOL version

For maximum aggressive grinding with an extremely long tool life, the ultimate stock removal rate and consistently high performance on steel and hard materials which do not conduct heat well. Active grinding additives in the coating prevent clogging and result in cooler grinding.

#### Special features:

- High economic efficiency thanks to long tool life and very high stock removal rate.
- Consistent surface finish thanks 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<br>[mm] | H<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation |
|-----------|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|
|-----------|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|

### slotted

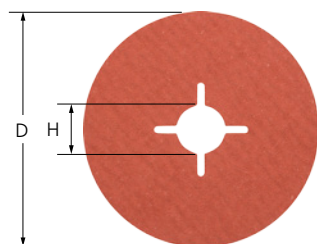
|     |    |                 |    |        |    |          |                              |
|-----|----|-----------------|----|--------|----|----------|------------------------------|
| 115 | 22 | VICTOGRAIN-COOL | 36 | 13,300 | 25 | 64279002 | FS 115-22 VICTOGRAIN-COOL 36 |
|     |    |                 | 60 | 13,300 | 25 | 64279031 | FS 115-22 VICTOGRAIN-COOL 60 |
|     |    |                 | 80 | 13,300 | 25 | 64279032 | FS 115-22 VICTOGRAIN-COOL 80 |
| 125 | 22 | VICTOGRAIN-COOL | 36 | 12,200 | 25 | 64279003 | FS 125-22 VICTOGRAIN-COOL 36 |
|     |    |                 | 60 | 12,200 | 25 | 64279033 | FS 125-22 VICTOGRAIN-COOL 60 |
|     |    |                 | 80 | 12,200 | 25 | 64279034 | FS 125-22 VICTOGRAIN-COOL 80 |
| 150 | 22 | VICTOGRAIN-COOL | 36 | 10,200 | 25 | 69401655 | FS 150-22 VICTOGRAIN-COOL 36 |
|     |    |                 | 60 | 10,200 | 25 | 64279035 | FS 150-22 VICTOGRAIN-COOL 60 |
|     |    |                 | 80 | 10,200 | 25 | 64279036 | FS 150-22 VICTOGRAIN-COOL 80 |
| 180 | 22 | VICTOGRAIN-COOL | 36 | 8,500  | 25 | 64279004 | FS 180-22 VICTOGRAIN-COOL 36 |
|     |    |                 | 60 | 8,500  | 25 | 64279037 | FS 180-22 VICTOGRAIN-COOL 60 |
|     |    |                 | 80 | 8,500  | 25 | 64279038 | FS 180-22 VICTOGRAIN-COOL 80 |

### unslotted

|     |    |                 |    |        |    |          |                              |
|-----|----|-----------------|----|--------|----|----------|------------------------------|
| 100 | 16 | VICTOGRAIN-COOL | 36 | 15,300 | 25 | 64279001 | FS 100-16 VICTOGRAIN-COOL 36 |
|     |    |                 | 60 | 15,300 | 25 | 64279029 | FS 100-16 VICTOGRAIN-COOL 60 |
|     |    |                 | 80 | 15,300 | 25 | 64279030 | FS 100-16 VICTOGRAIN-COOL 80 |







### Aluminium oxide A-COOL version

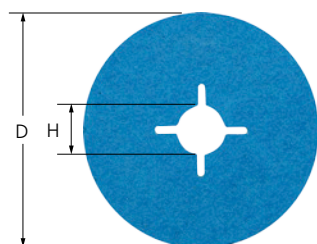
For general grinding work from fine to very fine grinding on materials which do not conduct heat well, e.g. stainless steel (INOX). Active grinding additives substantially improve the stock removal rate, prevent clogging and result in cooler grinding.



#### Special features:

- High economic efficiency thanks to long tool life and very high stock removal rate.
- Consistent surface finish thanks 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<br>[mm]      | H<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation          |
|----------------|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|----------------------|
| <b>slotted</b> |           |          |           |          |                                                                                   |          |                      |
| 115            | 22        | A-COOL   | 50        | 13,300   | 25                                                                                | 64125111 | FS 115-22 A-COOL 50  |
|                |           |          | 60        | 13,300   | 25                                                                                | 64126111 | FS 115-22 A-COOL 60  |
|                |           |          | 80        | 13,300   | 25                                                                                | 64128111 | FS 115-22 A-COOL 80  |
|                |           |          | 120       | 13,300   | 25                                                                                | 64132111 | FS 115-22 A-COOL 120 |
|                |           |          | 150       | 13,300   | 25                                                                                | 64135111 | FS 115-22 A-COOL 150 |
|                |           |          | 180       | 13,300   | 25                                                                                | 64138111 | FS 115-22 A-COOL 180 |
|                |           |          | 220       | 13,300   | 25                                                                                | 64142111 | FS 115-22 A-COOL 220 |
| 125            | 22        | A-COOL   | 60        | 12,200   | 25                                                                                | 64126125 | FS 125-22 A-COOL 60  |
|                |           |          | 80        | 12,200   | 25                                                                                | 64128125 | FS 125-22 A-COOL 80  |
|                |           |          | 120       | 12,200   | 25                                                                                | 64132125 | FS 125-22 A-COOL 120 |
|                |           |          | 150       | 12,200   | 25                                                                                | 64135125 | FS 125-22 A-COOL 150 |
|                |           |          | 180       | 12,200   | 25                                                                                | 64138125 | FS 125-22 A-COOL 180 |
|                |           |          | 220       | 12,200   | 25                                                                                | 64142125 | FS 125-22 A-COOL 220 |
| 180            | 22        | A-COOL   | 80        | 8,500    | 25                                                                                | 64128175 | FS 180-22 A-COOL 80  |
|                |           |          | 120       | 8,500    | 25                                                                                | 64132175 | FS 180-22 A-COOL 120 |
|                |           |          | 150       | 8,500    | 25                                                                                | 64135175 | FS 180-22 A-COOL 150 |
|                |           |          | 180       | 8,500    | 25                                                                                | 64138175 | FS 180-22 A-COOL 180 |
|                |           |          | 220       | 8,500    | 25                                                                                | 64142175 | FS 180-22 A-COOL 220 |



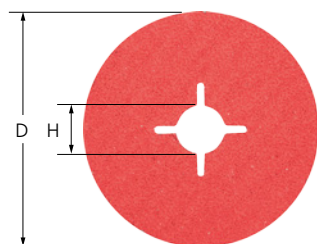
### Zirconia alumina Z-COOL version

For coarse grinding work with a high stock removal rate and cool grinding. Active grinding additives substantially improve the stock removal rate, prevent clogging and result in cooler grinding.

#### Special features:

- High economic efficiency thanks to long tool life and very high stock removal rate.
- Consistent surface finish thanks 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<br>[mm]      | H<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation         |
|----------------|-----------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|---------------------|
| <b>slotted</b> |           |          |           |          |                                                                                     |          |                     |
| 125            | 22        | Z-COOL   | 36        | 12,200   | 25                                                                                  | 64273125 | FS 125-22 Z-COOL 36 |
|                |           |          | 60        | 12,200   | 25                                                                                  | 64276125 | FS 125-22 Z-COOL 60 |
|                |           |          | 80        | 12,200   | 25                                                                                  | 64278125 | FS 125-22 Z-COOL 80 |



### Ceramic oxide grain CO-COOL version

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.

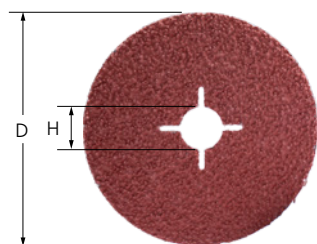


#### Special features:

- High economic efficiency thanks to long tool life and very high stock removal rate.
- Consistent surface finish thanks 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<br>[mm] | H<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation           |
|-----------|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-----------------------|
| slotted   |           |          |           |          |                                                                                   |          |                       |
| 115       | 22        | CO-COOL  | 24        | 13,300   | 25                                                                                | 64172111 | FS 115-22 CO-COOL 24  |
|           |           |          | 36        | 13,300   | 25                                                                                | 64173111 | FS 115-22 CO-COOL 36  |
|           |           |          | 50        | 13,300   | 25                                                                                | 64175111 | FS 115-22 CO-COOL 50  |
|           |           |          | 60        | 13,300   | 25                                                                                | 64176111 | FS 115-22 CO-COOL 60  |
|           |           |          | 80        | 13,300   | 25                                                                                | 64178111 | FS 115-22 CO-COOL 80  |
|           |           |          | 100       | 13,300   | 25                                                                                | 64180111 | FS 115-22 CO-COOL 100 |
|           |           |          | 120       | 13,300   | 25                                                                                | 64182111 | FS 115-22 CO-COOL 120 |
| 125       | 22        | CO-COOL  | 24        | 12,200   | 25                                                                                | 64172125 | FS 125-22 CO-COOL 24  |
|           |           |          | 36        | 12,200   | 25                                                                                | 64173125 | FS 125-22 CO-COOL 36  |
|           |           |          | 50        | 12,200   | 25                                                                                | 64175125 | FS 125-22 CO-COOL 50  |
|           |           |          | 60        | 12,200   | 25                                                                                | 64176125 | FS 125-22 CO-COOL 60  |
|           |           |          | 80        | 12,200   | 25                                                                                | 64178125 | FS 125-22 CO-COOL 80  |
|           |           |          | 100       | 12,200   | 25                                                                                | 64180125 | FS 125-22 CO-COOL 100 |
|           |           |          | 120       | 12,200   | 25                                                                                | 64182125 | FS 125-22 CO-COOL 120 |
| 180       | 22        | CO-COOL  | 24        | 8,500    | 25                                                                                | 64172175 | FS 180-22 CO-COOL 24  |
|           |           |          | 36        | 8,500    | 25                                                                                | 64173175 | FS 180-22 CO-COOL 36  |
|           |           |          | 50        | 8,500    | 25                                                                                | 64175175 | FS 180-22 CO-COOL 50  |
|           |           |          | 60        | 8,500    | 25                                                                                | 64176175 | FS 180-22 CO-COOL 60  |
|           |           |          | 80        | 8,500    | 25                                                                                | 64178175 | FS 180-22 CO-COOL 80  |
|           |           |          | 100       | 8,500    | 25                                                                                | 64180175 | FS 180-22 CO-COOL 100 |
|           |           |          | 120       | 8,500    | 25                                                                                | 64182175 | FS 180-22 CO-COOL 120 |
| unslotted |           |          |           |          |                                                                                   |          |                       |
| 100       | 16        | CO-COOL  | 24        | 15,300   | 25                                                                                | 69401583 | FS 100-16 CO-COOL 24  |
|           |           |          | 36        | 15,300   | 25                                                                                | 69401553 | FS 100-16 CO-COOL 36  |
|           |           |          | 50        | 15,300   | 25                                                                                | 69401554 | FS 100-16 CO-COOL 50  |
|           |           |          | 60        | 15,300   | 25                                                                                | 69401555 | FS 100-16 CO-COOL 60  |
|           |           |          | 80        | 15,300   | 25                                                                                | 69401556 | FS 100-16 CO-COOL 80  |
|           |           |          | 120       | 15,300   | 25                                                                                | 69401584 | FS 100-16 CO-COOL 120 |





### Ceramic oxide grain CO-COOL PLUS version

Consistently high performance and maximum aggressive grinding due to self-sharpening ceramic oxide grain. Active grinding additives improve the stock removal rate, prevent clogging and result in very cool grinding on hard materials which do not conduct heat well.

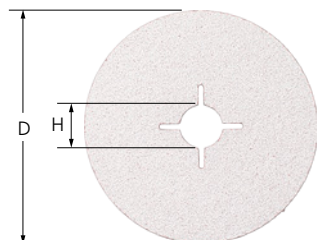
#### Special features:

- High economic efficiency thanks to long tool life and the ultimate stock removal rate.
- Consistent surface finish thanks to high-quality abrasives. Highly flexible, enabling optimal adjustment to the contour.

| D<br>[mm] | H<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation |
|-----------|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|
|-----------|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|

#### slotted

|     |    |              |    |        |    |          |                          |
|-----|----|--------------|----|--------|----|----------|--------------------------|
| 115 | 22 | CO-COOL-PLUS | 24 | 13,300 | 25 | 64172115 | FS115-22 CO-COOL PLUS 24 |
| 125 | 22 | CO-COOL-PLUS | 24 | 12,200 | 25 | 64172126 | FS125-22 CO-COOL PLUS 24 |
| 180 | 22 | CO-COOL-PLUS | 24 | 8,500  | 25 | 64172180 | FS180-22 CO-COOL PLUS 24 |



### Ceramic oxide grain CO-ALU version

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 clogging of the fibre discs.



#### Special features:

- High economic efficiency thanks to long tool life and very high stock removal rate.
- Consistent surface finish thanks 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<br>[mm] | H<br>[mm] | Abrasive | Grit size | Max. RPM |  | Item no. | Designation |
|-----------|-----------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-------------|
|-----------|-----------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-------------|

#### slotted

|     |    |        |    |        |    |          |                     |
|-----|----|--------|----|--------|----|----------|---------------------|
| 115 | 22 | CO-ALU | 36 | 13,300 | 25 | 64281136 | FS 115-22 CO-ALU 36 |
|     |    |        | 60 | 13,300 | 25 | 64281160 | FS 115-22 CO-ALU 60 |
|     |    |        | 80 | 13,300 | 25 | 64281180 | FS 115-22 CO-ALU 80 |
| 125 | 22 | CO-ALU | 36 | 12,200 | 25 | 64281236 | FS 125-22 CO-ALU 36 |
|     |    |        | 60 | 12,200 | 25 | 64281260 | FS 125-22 CO-ALU 60 |
|     |    |        | 80 | 12,200 | 25 | 64281280 | FS 125-22 CO-ALU 80 |
| 180 | 22 | CO-ALU | 36 | 8,500  | 25 | 64281836 | FS 180-22 CO-ALU 36 |
|     |    |        | 60 | 8,500  | 25 | 64281860 | FS 180-22 CO-ALU 60 |
|     |    |        | 80 | 8,500  | 25 | 64281880 | FS 180-22 CO-ALU 80 |

#### unslotted

|     |    |        |    |        |    |          |                     |
|-----|----|--------|----|--------|----|----------|---------------------|
| 100 | 16 | CO-ALU | 36 | 15,300 | 25 | 64281036 | FS 100-16 CO-ALU 36 |
|     |    |        | 60 | 15,300 | 25 | 64281060 | FS 100-16 CO-ALU 60 |
|     |    |        | 80 | 15,300 | 25 | 64281080 | FS 100-16 CO-ALU 80 |



### GT type

Backing pad for fibre discs for optimum adaptation to contours thanks to high flexibility. Complies with ISO 15636.

#### Special features:

- For use with fibre discs on commercially available angle grinders.

| Suitable for tool diameter [mm] | Thread | Suitable for machine types      | Max. RPM |  | Item no. | Designation   |
|---------------------------------|--------|---------------------------------|----------|-----------------------------------------------------------------------------------|----------|---------------|
| 100                             | M10    | Angle grinders 100, spindle M10 | 15,300   | 1                                                                                 | 44890015 | GT 100 MF M10 |
| 115                             | M10    | Angle grinders 115, spindle M10 | 13,300   | 1                                                                                 | 44890020 | GT 115 MF M10 |
|                                 | M14    | Angle grinders 115, spindle M14 | 13,300   | 1                                                                                 | 44890030 | GT 115 MF M14 |
| 125                             | M14    | Angle grinder 125, spindle M14  | 12,200   | 1                                                                                 | 44890040 | GT 125 MF M14 |
| 150                             | M14    | Angle grinders 150, spindle M14 | 10,200   | 1                                                                                 | 44890050 | GT 150 MF M14 |
| 180                             | M14    | Angle grinders 180, spindle M14 | 8,500    | 1                                                                                 | 44890060 | GT 180 MF M14 |



### H-GT type

High-performance backing pad for fibre discs with a long tool life thanks to abrasion-resistant, glass-fibre-reinforced plastic. Impresses with particularly cool grinding due to radially arranged cooling fins, and high fibre-disc stock removal rate due to sturdy, rigid design.

#### Special features:

- For use with fibre discs on commercially available angle grinders.

| Suitable for tool diameter [mm] | Thread | Suitable for machine types      | Max. RPM |  | Item no. | Designation     |
|---------------------------------|--------|---------------------------------|----------|-------------------------------------------------------------------------------------|----------|-----------------|
| 115                             | M14    | Angle grinders 115, spindle M14 | 13,300   | 1                                                                                   | 44890080 | H-GT 115 MF M14 |
| 125                             | M14    | Angle grinder 125, spindle M14  | 12,200   | 1                                                                                   | 44890090 | H-GT 125 MF M14 |
| 180                             | M14    | Angle grinders 180, spindle M14 | 8,500    | 1                                                                                   | 44890100 | H-GT 180 MF M14 |



### HT-GT type

Flexible and extremely temperature-resistant backing pad for fibre discs with a long tool life due to the highly temperature-resistant material. Enables high-precision work thanks to high flexibility. Complies with ISO 15636.

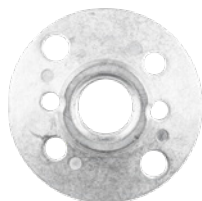
#### Special features:

- For use with fibre discs on commercially available angle grinders.

| Suitable for tool diameter [mm] | Thread | Suitable for machine types      | Max. RPM |  | Item no. | Designation      |
|---------------------------------|--------|---------------------------------|----------|-------------------------------------------------------------------------------------|----------|------------------|
| 115                             | M14    | Angle grinders 115, spindle M14 | 13,300   | 1                                                                                   | 44890200 | HT-GT 115 MF M14 |
| 125                             | M14    | Angle grinder 125, spindle M14  | 12,200   | 1                                                                                   | 44890210 | HT-GT 125 MF M14 |
| 180                             | M14    | Angle grinders 180, spindle M14 | 8,500    | 1                                                                                   | 44890220 | HT-GT 180 MF M14 |







### Clamping nuts FL-GT for backing pads GT

Accessories for GT-variant backing pads.

**Special features:**

- Matching centre hole distances for standard commercial face pin spanners.

| Thread | Suitable for machine types         |  | Item no. | Designation       |
|--------|------------------------------------|-----------------------------------------------------------------------------------|----------|-------------------|
| M10    | Angle grinders 100, spindle M10    | 1                                                                                 | 44890110 | FL-GT 100 M10     |
|        | Angle grinders 115, spindle M10    | 1                                                                                 | 44890111 | FL-GT 115 M10     |
| M14    | Angle grinder 80-115, spindle M14  | 1                                                                                 | 44890120 | FL-GT 80-115 M14  |
|        | Angle grinder 125, spindle M14     | 1                                                                                 | 44890130 | FL-GT 125 M14     |
|        | Angle grinder 150-230, spindle M14 | 1                                                                                 | 44890140 | FL-GT 150-230 M14 |

## Stand



### Stand for fibre discs

Stand made from impact-resistant plastic for the secure storage of fibre discs exactly in line with their shape. The holder can be stood upright, as well as bolted to walls.

**Special features:**

- Perfect storage of fibre grinding discs.
- With quick adjustment device and attachment holes on the base.
- Suitable for fibre disc diameters 100 mm to 230 mm.

|  | Item no. | Designation          |
|-------------------------------------------------------------------------------------|----------|----------------------|
| 1                                                                                   | 44858015 | STORAGE FS-S 100-230 |

# Hook and loop discs

## General information

### Safety notes

- The maximum permitted peripheral speed is 32 m/s.
- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.
- Place the hook and loop discs centrally on the holder.



Wear eye protection!



Wear hearing protection!



Wear gloves!



Wear a dust mask!



Use backing pad!



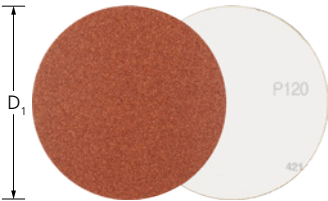
Follow the safety instructions!



Not permitted for wet grinding!



## Hook and loop discs KR



### Aluminium oxide A version

These hook and loop discs are suitable for general coarse to fine grinding work on larger surfaces in industry and professional trades.



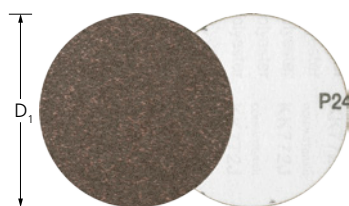
#### Special features:

- Quick tool changes thanks to hook and loop system.
- Highly flexible, enabling optimal adjustment to the contour.
- With the hook and loop disc holder, can be used on commercially available speed-adjustable or slow-running angle grinders with M14 mounting.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |    | Item no. | Designation  |
|------------------------|----------|-----------|----------|----------|----|----------|--------------|
| 115                    | A        | 40        | 5,000    | 5,300    | 50 | 42871104 | KR 115 A 40  |
|                        |          | 60        | 5,000    | 5,300    | 50 | 42871106 | KR 115 A 60  |
|                        |          | 80        | 5,000    | 5,300    | 50 | 42871108 | KR 115 A 80  |
|                        |          | 120       | 5,000    | 5,300    | 50 | 42871112 | KR 115 A 120 |
|                        |          | 150       | 5,000    | 5,300    | 50 | 42871115 | KR 115 A 150 |
|                        |          | 180       | 5,000    | 5,300    | 50 | 42871118 | KR 115 A 180 |
| 125                    | A        | 40        | 4,600    | 4,850    | 50 | 42871204 | KR 125 A 40  |
|                        |          | 60        | 4,600    | 4,850    | 50 | 42871206 | KR 125 A 60  |
|                        |          | 80        | 4,600    | 4,850    | 50 | 42871208 | KR 125 A 80  |
|                        |          | 120       | 4,600    | 4,850    | 50 | 42871212 | KR 125 A 120 |
|                        |          | 150       | 4,600    | 4,850    | 50 | 42871215 | KR 125 A 150 |
|                        |          | 180       | 4,600    | 4,850    | 50 | 42871218 | KR 125 A 180 |

# Hook and loop discs

## Hook and loop discs KR



### Aluminium oxide A compact grain version

The wide range of different grains makes this range exceptionally well-suited to fine and very fine grinding, and for step-by-step preparations for polishing larger surfaces.



#### Special features:

- Quick tool changes thanks to hook and loop system. Highly flexible, enabling optimal adjustment to the contour.
- Very long tool life and consistent surface roughness over the entire lifespan thanks to self-sharpening compact grain.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |    | Item no. | Designation      |
|------------------------|----------|-----------|----------|----------|----|----------|------------------|
| 115                    | A-CK     | 120       | 5,000    | 5,300    | 50 | 42870004 | KR 115 A 120 CK  |
|                        |          | 180       | 5,000    | 5,300    | 50 | 42870006 | KR 115 A 180 CK  |
|                        |          | 240       | 5,000    | 5,300    | 50 | 42870008 | KR 115 A 240 CK  |
|                        |          | 320       | 5,000    | 5,300    | 50 | 42870010 | KR 115 A 320 CK  |
|                        |          | 400       | 5,000    | 5,300    | 50 | 42870012 | KR 115 A 400 CK  |
|                        |          | 600       | 5,000    | 5,300    | 50 | 42870014 | KR 115 A 600 CK  |
|                        |          | 800       | 5,000    | 5,300    | 50 | 42870016 | KR 115 A 800 CK  |
|                        |          | 1000      | 5,000    | 5,300    | 50 | 42870018 | KR 115 A 1000 CK |
|                        |          | 1200      | 5,000    | 5,300    | 50 | 42870020 | KR 115 A 1200 CK |
| 125                    | A-CK     | 120       | 4,600    | 4,850    | 50 | 42870104 | KR 125 A 120 CK  |
|                        |          | 180       | 4,600    | 4,850    | 50 | 42870106 | KR 125 A 180 CK  |
|                        |          | 240       | 4,600    | 4,850    | 50 | 42870108 | KR 125 A 240 CK  |
|                        |          | 320       | 4,600    | 4,850    | 50 | 42870110 | KR 125 A 320 CK  |
|                        |          | 400       | 4,600    | 4,850    | 50 | 42870112 | KR 125 A 400 CK  |
|                        |          | 600       | 4,600    | 4,850    | 50 | 42870114 | KR 125 A 600 CK  |
|                        |          | 800       | 4,600    | 4,850    | 50 | 42870116 | KR 125 A 800 CK  |
|                        |          | 1000      | 4,600    | 4,850    | 50 | 42870118 | KR 125 A 1000 CK |
|                        |          | 1200      | 4,600    | 4,850    | 50 | 42870120 | KR 125 A 1200 CK |

## Hook and loop disc holders KRH



### KRH type

Flexible arbor for using hook and loop discs on speed-adjustable or slow-running angle grinders with M14 mounting.

#### Special features:

- Quick tool changes thanks to hook and loop system.

| D<br>[mm] | Thread | Hardness | Max. RPM |   | Item no. | Designation   |
|-----------|--------|----------|----------|---|----------|---------------|
| 115       | M14    | soft     | 5,300    | 1 | 42710155 | KRH-S 115 M14 |
|           |        | medium   | 5,300    | 1 | 42710154 | KRH 115 M14   |
| 125       | M14    | soft     | 4,850    | 1 | 42710255 | KRH-S 125 M14 |
|           |        | medium   | 4,850    | 1 | 42710254 | KRH 125 M14   |

# Self-adhesive abrasive discs

## General information

### Safety notes

- The maximum permitted peripheral speed is 20 m/s.
- 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!

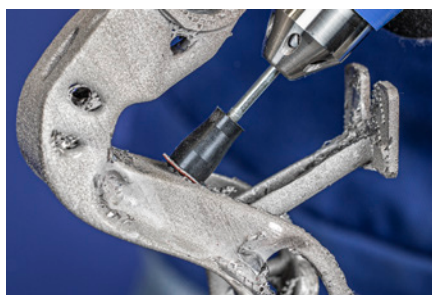


## Self-adhesive abrasive discs PSA



### Aluminium oxide A version

Self-adhesive abrasive discs specifically for tool and mould-making. For heavily contoured, delicate components. Different surface quality levels from coarse to very fine can be successively achieved.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Disc securely held on the holder thanks to high-quality adhesive connection.
- Quick and easy tool change. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation  |
|------------------------|----------|-----------|----------|----------|-------------------------------------------------------------------------------------|----------|--------------|
| 12                     | A        | 60        | 16,000   | 31,800   | 100                                                                                 | 42832006 | PSA 12 A 60  |
|                        |          | 80        | 16,000   | 31,800   | 100                                                                                 | 42832008 | PSA 12 A 80  |
|                        |          | 120       | 16,000   | 31,800   | 100                                                                                 | 42832012 | PSA 12 A 120 |
|                        |          | 180       | 16,000   | 31,800   | 100                                                                                 | 42832018 | PSA 12 A 180 |
|                        |          | 240       | 16,000   | 31,800   | 100                                                                                 | 42832024 | PSA 12 A 240 |
|                        |          | 320       | 16,000   | 31,800   | 100                                                                                 | 42832032 | PSA 12 A 320 |
|                        |          | 400       | 16,000   | 31,800   | 100                                                                                 | 42832040 | PSA 12 A 400 |
|                        |          | 600       | 16,000   | 31,800   | 100                                                                                 | 42832060 | PSA 12 A 600 |
| 20                     | A        | 60        | 10,000   | 19,100   | 100                                                                                 | 42832106 | PSA 20 A 60  |
|                        |          | 80        | 10,000   | 19,100   | 100                                                                                 | 42832108 | PSA 20 A 80  |
|                        |          | 120       | 10,000   | 19,100   | 100                                                                                 | 42832112 | PSA 20 A 120 |
|                        |          | 180       | 10,000   | 19,100   | 100                                                                                 | 42832118 | PSA 20 A 180 |
|                        |          | 240       | 10,000   | 19,100   | 100                                                                                 | 42832124 | PSA 20 A 240 |
|                        |          | 320       | 10,000   | 19,100   | 100                                                                                 | 42832132 | PSA 20 A 320 |
|                        |          | 400       | 10,000   | 19,100   | 100                                                                                 | 42832140 | PSA 20 A 400 |
|                        |          | 600       | 10,000   | 19,100   | 100                                                                                 | 42832160 | PSA 20 A 600 |
| 30                     | A        | 60        | 6,500    | 12,700   | 100                                                                                 | 42832206 | PSA 30 A 60  |
|                        |          | 80        | 6,500    | 12,700   | 100                                                                                 | 42832208 | PSA 30 A 80  |
|                        |          | 120       | 6,500    | 12,700   | 100                                                                                 | 42832212 | PSA 30 A 120 |
|                        |          | 180       | 6,500    | 12,700   | 100                                                                                 | 42832218 | PSA 30 A 180 |
|                        |          | 240       | 6,500    | 12,700   | 100                                                                                 | 42832224 | PSA 30 A 240 |
|                        |          | 320       | 6,500    | 12,700   | 100                                                                                 | 42832232 | PSA 30 A 320 |
|                        |          | 400       | 6,500    | 12,700   | 100                                                                                 | 42832240 | PSA 30 A 400 |

Continued on next page



# Self-adhesive abrasive discs

## Self-adhesive abrasive discs PSA



| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation  |
|------------------------|----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|--------------|
| 30                     | A        | 600       | 6,500    | 12,700   | 100                                                                               | 42832260 | PSA 30 A 600 |
| 50                     | A        | 60        | 4,000    | 7,650    | 100                                                                               | 42832306 | PSA 50 A 60  |
|                        |          | 80        | 4,000    | 7,650    | 100                                                                               | 42832308 | PSA 50 A 80  |
|                        |          | 120       | 4,000    | 7,650    | 100                                                                               | 42832312 | PSA 50 A 120 |
|                        |          | 180       | 4,000    | 7,650    | 100                                                                               | 42832318 | PSA 50 A 180 |
|                        |          | 240       | 4,000    | 7,650    | 100                                                                               | 42832324 | PSA 50 A 240 |
|                        |          | 320       | 4,000    | 7,650    | 100                                                                               | 42832332 | PSA 50 A 320 |
|                        |          | 400       | 4,000    | 7,650    | 100                                                                               | 42832340 | PSA 50 A 400 |
|                        |          | 600       | 4,000    | 7,650    | 100                                                                               | 42832360 | PSA 50 A 600 |

## Abrasive disc holder PSA-H



### PSA-H version

Flexible abrasive disc holder for using self-adhesive abrasive discs, specifically for tool and mould construction.

#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Quick and easy tool change.

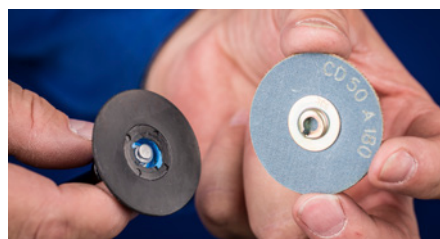
- Secure hold of the disc on the holder thanks to high-quality adhesive connections.

| D<br>[mm] | S<br>[mm] | L<br>[mm] | Max. RPM | Suitable for |  | Item no. | Designation   |
|-----------|-----------|-----------|----------|--------------|-------------------------------------------------------------------------------------|----------|---------------|
| 10        | 2.35      | 35        | 31,800   | PSA 12       | 5                                                                                   | 42160000 | PSA-H 12-2,35 |
| 18        | 2.35      | 35        | 19,100   | PSA 20       | 5                                                                                   | 42160002 | PSA-H 20-2,35 |
| 25        | 2.35      | 35        | 12,700   | PSA 30       | 5                                                                                   | 42160004 | PSA-H 30-2,35 |
| 10        | 3         | 35        | 31,800   | PSA 12       | 5                                                                                   | 42160001 | PSA-H 12-3    |
| 18        | 3         | 35        | 19,100   | PSA 20       | 5                                                                                   | 42160003 | PSA-H 20-3    |
| 25        | 3         | 35        | 12,700   | PSA 30       | 5                                                                                   | 42160005 | PSA-H 30-3    |
| 50        | 3         | 35        | 7,650    | PSA 50       | 5                                                                                   | 42160007 | PSA-H 50-3    |
|           | 6         | 35        | 7,650    | PSA 50       | 5                                                                                   | 42160006 | PSA-H 50-6    |





## COMBIDISC clamping system CD and CDR



### CD system

**Tool side:** threaded connection with female thread (metal/plastic).

### CDR system

**Tool side:** threaded connection with male thread (plastic).

## The quick way to find the perfect tool

|                           |                                             |                                                                                                                                                                                 | Abrasive ▶                                            |                                  |                    |                     |                        |                             |                  |                        |                 |                                |
|---------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------|--------------------|---------------------|------------------------|-----------------------------|------------------|------------------------|-----------------|--------------------------------|
| Material group ▼          |                                             |                                                                                                                                                                                 | Aluminium oxide A, A-PLUS, A-FLEX, A-CONTOUR, A-FORTE | Aluminium oxide A, compact grain | Zirconia alumina Z | Silicon carbide SiC | Aluminium oxide A-COOL | Ceramic oxide grain CO-COOL | VICTO GRAIN-COOL | Abrasive discs Diamond | POLICLEAN discs | Non-woven discs PNER, VRH, VRW |
| 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 aluminium alloys                                                                                                                                                           | ○                                                     |                                  |                    |                     | •                      | ○                           |                  |                        | •               | •                              |
|                           |                                             | Brass, copper, zinc                                                                                                                                                             | •                                                     |                                  | ○                  |                     |                        |                             |                  |                        | •               | •                              |
|                           | Hard non-ferrous metals                     | Hard aluminium 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 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) | •                                                     |                                  | ○                  |                     |                        |                             |                  |                        | •               | •                              |
| Plastics, other materials |                                             | Fibre-reinforced plastics, thermoplastics, wood, chipboard, paint                                                                                                               | •                                                     |                                  |                    | •                   |                        |                             |                  | •                      | •               | •                              |

• = highly suitable ○ = suitable



### Safety notes

- The maximum permitted peripheral speed is 50 m/s.
- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.



Wear eye protection!



Wear hearing protection!



Wear gloves!



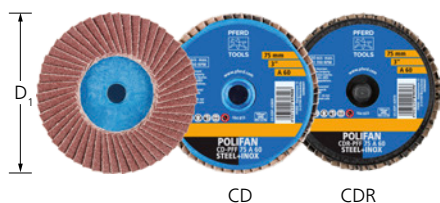
Wear a dust mask!



Follow the safety instructions!



### Mini-POLIFAN CD, CDR



#### Aluminium oxide A version

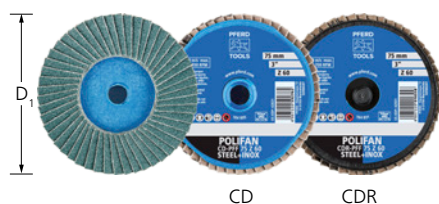
For general coarse grinding work with high stock removal rates. Ideal for dressing weld seams in hard-to-reach places. Longer tool life and higher stock removal rate when compared to abrasive discs.



#### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm]                                                                                | Abrasive | Grit size | Suitable arbors      | Opt. RPM        |  | Item no. | Designation      |
|-------------------------------------------------------------------------------------------------------|----------|-----------|----------------------|-----------------|--------------------------------------------------------------------------------------|----------|------------------|
| <b>CD system</b>   |          |           |                      |                 |                                                                                      |          |                  |
| 50                                                                                                    | A        | 40        | SBH 20–50, BO PFF 50 | 12,000 – 14,000 | 10                                                                                   | 42719104 | CD PFF 50 A 40   |
|                                                                                                       |          | 60        | SBH 20–50, BO PFF 50 | 12,000 – 14,000 | 10                                                                                   | 42719106 | CD PFF 50 A 60   |
|                                                                                                       |          | 80        | SBH 20–50, BO PFF 50 | 12,000 – 14,000 | 10                                                                                   | 42719108 | CD PFF 50 A 80   |
|                                                                                                       |          | 120       | SBH 20–50, BO PFF 50 | 12,000 – 14,000 | 10                                                                                   | 42719112 | CD PFF 50 A 120  |
| 75                                                                                                    | A        | 40        | SBH 75, BO PFF 75    | 8,000 – 10,000  | 10                                                                                   | 42719204 | CD PFF 75 A 40   |
|                                                                                                       |          | 60        | SBH 75, BO PFF 75    | 8,000 – 10,000  | 10                                                                                   | 42719206 | CD PFF 75 A 60   |
|                                                                                                       |          | 80        | SBH 75, BO PFF 75    | 8,000 – 10,000  | 10                                                                                   | 42719208 | CD PFF 75 A 80   |
|                                                                                                       |          | 120       | SBH 75, BO PFF 75    | 8,000 – 10,000  | 10                                                                                   | 42719212 | CD PFF 75 A 120  |
| <b>CDR system</b>  |          |           |                      |                 |                                                                                      |          |                  |
| 50                                                                                                    | A        | 40        | SBHR 20–75           | 12,000 – 14,000 | 10                                                                                   | 47202527 | CDR PFF 50 A 40  |
|                                                                                                       |          | 60        | SBHR 20–75           | 12,000 – 14,000 | 10                                                                                   | 47202528 | CDR PFF 50 A 60  |
|                                                                                                       |          | 80        | SBHR 20–75           | 12,000 – 14,000 | 10                                                                                   | 47202090 | CDR PFF 50 A 80  |
|                                                                                                       |          | 120       | SBHR 20–75           | 12,000 – 14,000 | 10                                                                                   | 47202529 | CDR PFF 50 A 120 |
| 75                                                                                                    | A        | 40        | SBHR 20–75           | 8,000 – 10,000  | 10                                                                                   | 47202530 | CDR PFF 75 A 40  |
|                                                                                                       |          | 60        | SBHR 20–75           | 8,000 – 10,000  | 10                                                                                   | 47202531 | CDR PFF 75 A 60  |
|                                                                                                       |          | 80        | SBHR 20–75           | 8,000 – 10,000  | 10                                                                                   | 47202091 | CDR PFF 75 A 80  |
|                                                                                                       |          | 120       | SBHR 20–75           | 8,000 – 10,000  | 10                                                                                   | 47202532 | CDR PFF 75 A 120 |



### Zirconia alumina Z version

For coarse grinding work with a high stock removal rate and a long tool life.



#### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Suitable arbors | Opt. RPM |  | Item no. | Designation |
|------------------------|----------|-----------|-----------------|----------|--|----------|-------------|
|------------------------|----------|-----------|-----------------|----------|--|----------|-------------|

#### CD system

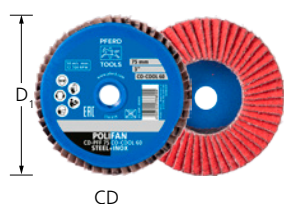


|    |   |     |                      |                 |    |          |                 |
|----|---|-----|----------------------|-----------------|----|----------|-----------------|
| 50 | Z | 40  | SBH 20–50, BO PFF 50 | 12,000 – 14,000 | 10 | 42719504 | CD PFF 50 Z 40  |
|    |   | 60  | SBH 20–50, BO PFF 50 | 12,000 – 14,000 | 10 | 42719506 | CD PFF 50 Z 60  |
|    |   | 80  | SBH 20–50, BO PFF 50 | 12,000 – 14,000 | 10 | 42719508 | CD PFF 50 Z 80  |
|    |   | 120 | SBH 20–50, BO PFF 50 | 12,000 – 14,000 | 10 | 42719512 | CD PFF 50 Z 120 |
| 75 | Z | 40  | SBH 75, BO PFF 75    | 8,000 – 10,000  | 10 | 42719704 | CD PFF 75 Z 40  |
|    |   | 60  | SBH 75, BO PFF 75    | 8,000 – 10,000  | 10 | 42719706 | CD PFF 75 Z 60  |
|    |   | 80  | SBH 75, BO PFF 75    | 8,000 – 10,000  | 10 | 42719708 | CD PFF 75 Z 80  |
|    |   | 120 | SBH 75, BO PFF 75    | 8,000 – 10,000  | 10 | 42719712 | CD PFF 75 Z 120 |

#### CDR system



|    |   |     |            |                 |    |          |                  |
|----|---|-----|------------|-----------------|----|----------|------------------|
| 50 | Z | 40  | SBHR 20–75 | 12,000 – 14,000 | 10 | 47202125 | CDR PFF 50 Z 40  |
|    |   | 60  | SBHR 20–75 | 12,000 – 14,000 | 10 | 47202126 | CDR PFF 50 Z 60  |
|    |   | 80  | SBHR 20–75 | 12,000 – 14,000 | 10 | 47202533 | CDR PFF 50 Z 80  |
|    |   | 120 | SBHR 20–75 | 12,000 – 14,000 | 10 | 47202534 | CDR PFF 50 Z 120 |
| 75 | Z | 40  | SBHR 20–75 | 8,000 – 10,000  | 10 | 47202101 | CDR PFF 75 Z 40  |
|    |   | 60  | SBHR 20–75 | 8,000 – 10,000  | 10 | 47202535 | CDR PFF 75 Z 60  |
|    |   | 80  | SBHR 20–75 | 8,000 – 10,000  | 10 | 47202536 | CDR PFF 75 Z 80  |
|    |   | 120 | SBHR 20–75 | 8,000 – 10,000  | 10 | 47202092 | CDR PFF 75 Z 120 |



### CO-COOL version

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 clogging and result in cooler grinding.

#### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly. Please order necessary abrasive disc holder separately.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM |  | Item no. | Designation |
|------------------------|----------|-----------|----------|--|----------|-------------|
|------------------------|----------|-----------|----------|--|----------|-------------|

#### CD system

|    |         |     |                 |    |          |                       |
|----|---------|-----|-----------------|----|----------|-----------------------|
| 50 | CO-COOL | 40  | 12,000 – 14,000 | 10 | 42719100 | CD-PFF 50 CO-COOL 40  |
|    |         | 60  | 12,000 – 14,000 | 10 | 42719101 | CD-PFF 50 CO-COOL 60  |
|    |         | 80  | 12,000 – 14,000 | 10 | 42719102 | CD-PFF 50 CO-COOL 80  |
|    |         | 120 | 12,000 – 14,000 | 10 | 42719103 | CD-PFF 50 CO-COOL 120 |
| 75 | CO-COOL | 120 | 8,000 – 10,000  | 10 | 42719110 | CD-PFF 75 CO-COOL 120 |
|    |         | 40  | 8,000 – 10,000  | 10 | 42719105 | CD-PFF 75 CO-COOL 40  |
|    |         | 60  | 8,000 – 10,000  | 10 | 42719107 | CD-PFF 75 CO-COOL 60  |

Continued on next page



| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM       |  | Item no. | Designation          |
|------------------------|----------|-----------|----------------|-----------------------------------------------------------------------------------|----------|----------------------|
| 75                     | CO-COOL  | 80        | 8,000 – 10,000 | 10                                                                                | 42719109 | CD-PFF 75 CO-COOL 80 |

**CDR system**

|    |         |     |                 |    |          |                        |
|----|---------|-----|-----------------|----|----------|------------------------|
| 50 | CO-COOL | 120 | 12,000 – 14,000 | 10 | 42719115 | CDR-PFF 50 CO-COOL 120 |
|    |         | 40  | 12,000 – 14,000 | 10 | 42719111 | CDR-PFF 50 CO-COOL 40  |
|    |         | 60  | 12,000 – 14,000 | 10 | 42719113 | CDR-PFF 50 CO-COOL 60  |
|    |         | 80  | 12,000 – 14,000 | 10 | 42719114 | CDR-PFF 50 CO-COOL 80  |
| 75 | CO-COOL | 120 | 8,000 – 10,000  | 10 | 42719119 | CDR-PFF 75 CO-COOL 120 |
|    |         | 400 | 8,000 – 10,000  | 10 | 42719116 | CDR-PFF 75 CO-COOL 40  |
|    |         | 60  | 8,000 – 10,000  | 10 | 42719117 | CDR-PFF 75 CO-COOL 60  |
|    |         | 80  | 8,000 – 10,000  | 10 | 42719118 | CDR-PFF 75 CO-COOL 80  |

**Mini-POLIFAN FLEX CD, CDR**



**Aluminium oxide A version**

For general coarse grinding work with high stock removal rates. Ideal for dressing weld seams in hard-to-reach places. Longer tool life and higher stock removal rate when compared to abrasive discs.

**Special features:**

- Ideally suited to grinding smaller fillet weld geometries.
- Particularly suitable for contour grinding due to the flexible arrangement of the flaps.

- High economic efficiency as tool can be changed quickly. Please order necessary abrasive disc holder separately.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM |  | Item no. | Designation |
|------------------------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-------------|
|------------------------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-------------|

**CD system**

|    |   |     |                 |    |          |                  |
|----|---|-----|-----------------|----|----------|------------------|
| 50 | A | 40  | 12,000 – 14,000 | 10 | 42719800 | CD-FLEX 50 A 40  |
|    |   | 60  | 12,000 – 14,000 | 10 | 42719801 | CD-FLEX 50 A 60  |
|    |   | 80  | 12,000 – 14,000 | 10 | 42719802 | CD-FLEX 50 A 80  |
|    |   | 120 | 12,000 – 14,000 | 10 | 42719803 | CD-FLEX 50 A 120 |
| 75 | A | 40  | 8,000 – 10,000  | 10 | 42719804 | CD-FLEX 75 A 40  |
|    |   | 60  | 8,000 – 10,000  | 10 | 42719805 | CD-FLEX 75 A 60  |
|    |   | 80  | 8,000 – 10,000  | 10 | 42719806 | CD-FLEX 75 A 80  |
|    |   | 120 | 8,000 – 10,000  | 10 | 42719807 | CD-FLEX 75 A 120 |

**CDR system**

|    |   |     |                 |    |          |                   |
|----|---|-----|-----------------|----|----------|-------------------|
| 50 | A | 40  | 12,000 – 14,000 | 10 | 42719808 | CDR-FLEX 50 A 40  |
|    |   | 60  | 12,000 – 14,000 | 10 | 42719809 | CDR-FLEX 50 A 60  |
|    |   | 80  | 12,000 – 14,000 | 10 | 42719810 | CDR-FLEX 50 A 80  |
|    |   | 120 | 12,000 – 14,000 | 10 | 42719811 | CDR-FLEX 50 A 120 |
| 75 | A | 40  | 8,000 – 10,000  | 10 | 42719812 | CDR-FLEX 75 A 40  |
|    |   | 60  | 8,000 – 10,000  | 10 | 42719813 | CDR-FLEX 75 A 60  |
|    |   | 80  | 8,000 – 10,000  | 10 | 42719814 | CDR-FLEX 75 A 80  |
|    |   | 120 | 8,000 – 10,000  | 10 | 42719815 | CDR-FLEX 75 A 120 |



## Ceramic oxide grain CO-COOL version

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:

- Ideally suited to grinding smaller fillet weld geometries.
- Particularly suitable for contour grinding due to the flexible arrangement of the flaps.
- High economic efficiency as tool can be changed quickly. Please order necessary abrasive disc holder separately.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM |  | Item no. | Designation |
|------------------------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|
|------------------------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|

### CD system

|    |         |     |                 |    |                          |                        |
|----|---------|-----|-----------------|----|--------------------------|------------------------|
| 50 | CO-COOL | 120 | 12,000 – 14,000 | 10 | <a href="#">42719819</a> | CD-FLEX 50 CO-COOL 120 |
|    |         | 40  | 12,000 – 14,000 | 10 | <a href="#">42719816</a> | CD-FLEX 50 CO-COOL 40  |
|    |         | 60  | 12,000 – 14,000 | 10 | <a href="#">42719817</a> | CD-FLEX 50 CO-COOL 60  |
|    |         | 80  | 12,000 – 14,000 | 10 | <a href="#">42719818</a> | CD-FLEX 50 CO-COOL 80  |
| 75 | CO-COOL | 80  | 8,000 – 10,000  | 10 | <a href="#">42719822</a> | CD-FLEX 75 CO-COOL 80  |
|    |         | 120 | 8,000 – 10,000  | 10 | <a href="#">42719823</a> | CD-FLEX 75 CO-COOL 120 |
|    |         | 40  | 8,000 – 10,000  | 10 | <a href="#">42719820</a> | CD-FLEX 75 CO-COOL 40  |
|    |         | 60  | 8,000 – 10,000  | 10 | <a href="#">42719821</a> | CD-FLEX 75 CO-COOL 60  |

### CDR system

|    |         |     |                 |    |                          |                         |
|----|---------|-----|-----------------|----|--------------------------|-------------------------|
| 50 | CO-COOL | 120 | 12,000 – 14,000 | 10 | <a href="#">42719827</a> | CDR-FLEX 50 CO-COOL 120 |
|    |         | 40  | 12,000 – 14,000 | 10 | <a href="#">42719824</a> | CDR-FLEX 50 CO-COOL 40  |
|    |         | 60  | 12,000 – 14,000 | 10 | <a href="#">42719825</a> | CDR-FLEX 50 CO-COOL 60  |
|    |         | 80  | 12,000 – 14,000 | 10 | <a href="#">42719826</a> | CDR-FLEX 50 CO-COOL 80  |
| 75 | CO-COOL | 120 | 8,000 – 10,000  | 10 | <a href="#">42719831</a> | CDR-FLEX 75 CO-COOL 120 |
|    |         | 40  | 8,000 – 10,000  | 10 | <a href="#">42719828</a> | CDR-FLEX 75 CO-COOL 40  |
|    |         | 60  | 8,000 – 10,000  | 10 | <a href="#">42719829</a> | CDR-FLEX 75 CO-COOL 60  |
|    |         | 80  | 8,000 – 10,000  | 10 | <a href="#">42719830</a> | CDR-FLEX 75 CO-COOL 80  |

## Mini-POLIFAN arbor

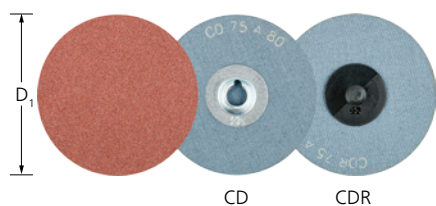


### BO PFF

Matching arbors for COMBIDISC Mini-POLIFAN.

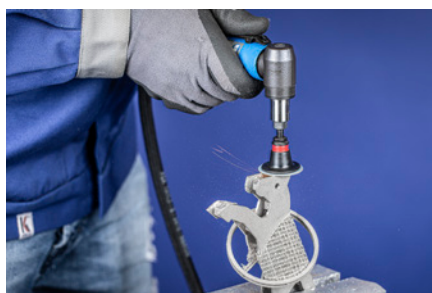
| S<br>[mm] | L<br>[mm] | Matching tool |  | Item no. | Designation |
|-----------|-----------|---------------|-------------------------------------------------------------------------------------|----------|-------------|
| 6         | 40        | CD PFF 50     | 1                                                                                   | 42700050 | BO PFF 50   |
|           |           | CD PFF 75     | 1                                                                                   | 42700075 | BO PFF 75   |





### Aluminium oxide A version

For general coarse to fine grinding applications in industry and professional trades.



#### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM |  | Item no. | Designation |
|------------------------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|
|------------------------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|

#### CD system



|    |   |     |                 |     |          |             |
|----|---|-----|-----------------|-----|----------|-------------|
| 20 | A | 60  | 20,000 – 35,000 | 100 | 42750206 | CD 20 A 60  |
|    |   | 80  | 20,000 – 35,000 | 100 | 42750208 | CD 20 A 80  |
|    |   | 120 | 20,000 – 35,000 | 100 | 42750212 | CD 20 A 120 |
|    |   | 180 | 20,000 – 35,000 | 100 | 42750218 | CD 20 A 180 |
|    |   | 320 | 20,000 – 35,000 | 100 | 42750232 | CD 20 A 320 |
| 25 | A | 60  | 15,000 – 26,000 | 100 | 42750306 | CD 25 A 60  |
|    |   | 80  | 15,000 – 26,000 | 100 | 42750308 | CD 25 A 80  |
|    |   | 120 | 15,000 – 26,000 | 100 | 42750312 | CD 25 A 120 |
|    |   | 180 | 15,000 – 26,000 | 100 | 42750318 | CD 25 A 180 |
|    |   | 320 | 15,000 – 26,000 | 100 | 42750332 | CD 25 A 320 |
| 38 | A | 36  | 10,000 – 16,000 | 100 | 42750403 | CD 38 A 36  |
|    |   | 60  | 10,000 – 16,000 | 100 | 42750406 | CD 38 A 60  |
|    |   | 80  | 10,000 – 16,000 | 100 | 42750408 | CD 38 A 80  |
|    |   | 120 | 10,000 – 16,000 | 100 | 42750412 | CD 38 A 120 |
|    |   | 180 | 10,000 – 16,000 | 100 | 42750418 | CD 38 A 180 |
| 50 | A | 320 | 10,000 – 16,000 | 100 | 42750432 | CD 38 A 320 |
|    | A | 36  | 8,000 – 13,000  | 100 | 42750503 | CD 50 A 36  |
|    |   | 60  | 8,000 – 13,000  | 100 | 42750506 | CD 50 A 60  |
|    |   | 80  | 8,000 – 13,000  | 100 | 42750508 | CD 50 A 80  |
|    |   | 120 | 8,000 – 13,000  | 100 | 42750512 | CD 50 A 120 |
| 75 | A | 180 | 8,000 – 13,000  | 100 | 42750518 | CD 50 A 180 |
|    |   | 320 | 8,000 – 13,000  | 100 | 42750532 | CD 50 A 320 |
|    | A | 36  | 5,000 – 9,000   | 50  | 42750703 | CD 75 A 36  |
|    |   | 60  | 5,000 – 9,000   | 50  | 42750706 | CD 75 A 60  |
|    |   | 80  | 5,000 – 9,000   | 50  | 42750708 | CD 75 A 80  |
|    |   | 120 | 5,000 – 9,000   | 50  | 42750712 | CD 75 A 120 |
|    |   | 180 | 5,000 – 9,000   | 50  | 42750718 | CD 75 A 180 |
|    |   | 320 | 5,000 – 9,000   | 50  | 42750732 | CD 75 A 320 |

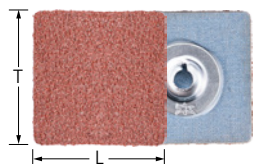
#### CDR system



|    |   |     |                 |     |          |              |
|----|---|-----|-----------------|-----|----------|--------------|
| 20 | A | 60  | 20,000 – 35,000 | 100 | 42770206 | CDR 20 A 60  |
|    |   | 80  | 20,000 – 35,000 | 100 | 42770208 | CDR 20 A 80  |
|    |   | 120 | 20,000 – 35,000 | 100 | 42770212 | CDR 20 A 120 |
| 25 | A | 60  | 15,000 – 26,000 | 100 | 42770306 | CDR 25 A 60  |
|    |   | 80  | 15,000 – 26,000 | 100 | 42770308 | CDR 25 A 80  |
|    |   | 120 | 15,000 – 26,000 | 100 | 42770312 | CDR 25 A 120 |
|    |   | 180 | 15,000 – 26,000 | 100 | 42770318 | CDR 25 A 180 |
|    |   | 320 | 15,000 – 26,000 | 100 | 42770332 | CDR 25 A 320 |
| 38 | A | 36  | 10,000 – 16,000 | 100 | 42770403 | CDR 38 A 36  |
|    |   | 60  | 10,000 – 16,000 | 100 | 42770406 | CDR 38 A 60  |

Continued on next page

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation  |
|------------------------|----------|-----------|-----------------|-----------------------------------------------------------------------------------|----------|--------------|
| 38                     | A        | 80        | 10,000 – 16,000 | 100                                                                               | 42770408 | CDR 38 A 80  |
|                        |          | 120       | 10,000 – 16,000 | 100                                                                               | 42770412 | CDR 38 A 120 |
|                        |          | 180       | 10,000 – 16,000 | 100                                                                               | 42770418 | CDR 38 A 180 |
|                        |          | 320       | 10,000 – 16,000 | 100                                                                               | 42770432 | CDR 38 A 320 |
| 50                     | A        | 36        | 8,000 – 13,000  | 100                                                                               | 42770503 | CDR 50 A 36  |
|                        |          | 60        | 8,000 – 13,000  | 100                                                                               | 42770506 | CDR 50 A 60  |
|                        |          | 80        | 8,000 – 13,000  | 100                                                                               | 42770508 | CDR 50 A 80  |
|                        |          | 120       | 8,000 – 13,000  | 100                                                                               | 42770512 | CDR 50 A 120 |
|                        |          | 180       | 8,000 – 13,000  | 100                                                                               | 42770518 | CDR 50 A 180 |
|                        |          | 320       | 8,000 – 13,000  | 100                                                                               | 42770532 | CDR 50 A 320 |
| 75                     | A        | 36        | 5,000 – 9,000   | 50                                                                                | 42770703 | CDR 75 A 36  |
|                        |          | 60        | 5,000 – 9,000   | 50                                                                                | 42770706 | CDR 75 A 60  |
|                        |          | 80        | 5,000 – 9,000   | 50                                                                                | 42770708 | CDR 75 A 80  |
|                        |          | 120       | 5,000 – 9,000   | 50                                                                                | 42770712 | CDR 75 A 120 |
|                        |          | 180       | 5,000 – 9,000   | 50                                                                                | 42770718 | CDR 75 A 180 |
|                        |          | 320       | 5,000 – 9,000   | 50                                                                                | 42770732 | CDR 75 A 320 |



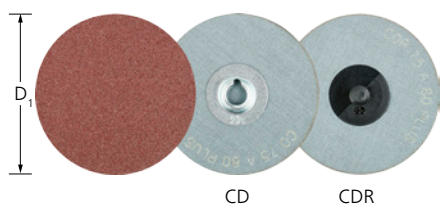
### Aluminium oxide A for linear grinding version

For general coarse to fine grinding applications in industry and professional trades. Suitable for grinding corners and preparing linear surface finishes.

#### Special features:

- High economic efficiency as tool can be changed quickly. Please order necessary abrasive disc holder separately.
- Very comfortable due to smooth running and very precise working.
- No disruptions in use due to adhesion, slipping or coming loose.

| L<br>[mm]                                                                                            | T<br>[mm] | Abrasive | Grit size |  | Item no. | Designation       |
|------------------------------------------------------------------------------------------------------|-----------|----------|-----------|-------------------------------------------------------------------------------------|----------|-------------------|
| <b>CD system</b>  |           |          |           |                                                                                     |          |                   |
| 35                                                                                                   | 35        | A        | 60        | 100                                                                                 | 42799034 | CD SQ 35x35 A 60  |
|                                                                                                      |           |          | 120       | 100                                                                                 | 42799035 | CD SQ 35x35 A 120 |
|                                                                                                      |           |          | 180       | 100                                                                                 | 42799036 | CD SQ 35x35 A 180 |



### Aluminium oxide A-PLUS version

For general applications from coarse to fine grinding. Higher stock removal rate due to sturdy backing material. Particularly for use in edge grinding due to high tear strength.

#### Special features:

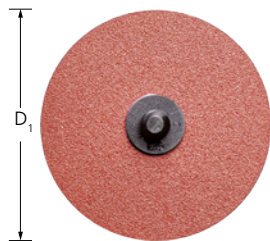
- Very comfortable due to ease of use and low-vibration working.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.
- No disruptions in use due to adhesion, slipping or coming loose.

| D <sub>1</sub><br>[mm]                                                                               | Abrasive | Grit size | Opt. RPM       |  | Item no. | Designation      |
|------------------------------------------------------------------------------------------------------|----------|-----------|----------------|-------------------------------------------------------------------------------------|----------|------------------|
| <b>CD system</b>  |          |           |                |                                                                                     |          |                  |
| 50                                                                                                   | A-PLUS   | 36        | 8,000 – 13,000 | 100                                                                                 | 42755503 | CD 50 A 36 PLUS  |
|                                                                                                      |          | 60        | 8,000 – 13,000 | 100                                                                                 | 42755506 | CD 50 A 60 PLUS  |
|                                                                                                      |          | 80        | 8,000 – 13,000 | 100                                                                                 | 42755508 | CD 50 A 80 PLUS  |
|                                                                                                      |          | 120       | 8,000 – 13,000 | 100                                                                                 | 42755512 | CD 50 A 120 PLUS |
| 75                                                                                                   | A-PLUS   | 36        | 5,000 – 9,000  | 50                                                                                  | 42755703 | CD 75 A 36 PLUS  |
|                                                                                                      |          | 60        | 5,000 – 9,000  | 50                                                                                  | 42755706 | CD 75 A 60 PLUS  |
|                                                                                                      |          | 80        | 5,000 – 9,000  | 50                                                                                  | 42755708 | CD 75 A 80 PLUS  |
|                                                                                                      |          | 120       | 5,000 – 9,000  | 50                                                                                  | 42755712 | CD 75 A 120 PLUS |

Continued on next page



| D <sub>1</sub><br>[mm]                                                                              | Abrasive | Grit size | Opt. RPM       |  | Item no. | Designation       |
|-----------------------------------------------------------------------------------------------------|----------|-----------|----------------|-----------------------------------------------------------------------------------|----------|-------------------|
| <b>CDR system</b>  |          |           |                |                                                                                   |          |                   |
| 50                                                                                                  | A-PLUS   | 36        | 8,000 – 13,000 | 100                                                                               | 42775503 | CDR 50 A 36 PLUS  |
|                                                                                                     |          | 60        | 8,000 – 13,000 | 100                                                                               | 42775506 | CDR 50 A 60 PLUS  |
|                                                                                                     |          | 80        | 8,000 – 13,000 | 100                                                                               | 42775508 | CDR 50 A 80 PLUS  |
|                                                                                                     |          | 120       | 8,000 – 13,000 | 100                                                                               | 42775512 | CDR 50 A 120 PLUS |
| 75                                                                                                  | A-PLUS   | 36        | 5,000 – 9,000  | 50                                                                                | 42775703 | CDR 75 A 36 PLUS  |
|                                                                                                     |          | 60        | 5,000 – 9,000  | 50                                                                                | 42775706 | CDR 75 A 60 PLUS  |
|                                                                                                     |          | 80        | 5,000 – 9,000  | 50                                                                                | 42775708 | CDR 75 A 80 PLUS  |
|                                                                                                     |          | 120       | 5,000 – 9,000  | 50                                                                                | 42775712 | CDR 75 A 120 PLUS |



### RS aluminium oxide A-PLUS version

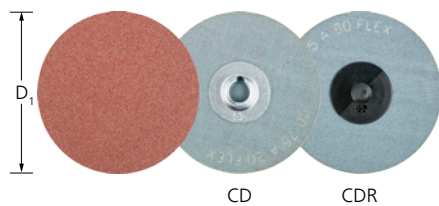
Ideal for general applications from coarse to fine grinding on areas that are extremely difficult to access, with a high stock removal rate and long tool life.



#### Special features:

- Excellent for weld dressing of backwards repair welds, e.g. in cases, slots and grooves on engines.
- The abrasive coating is located on the underside of the tool. This enables convenient and safe backwards working in hard-to-reach areas.
- Ideal for work on welded-on combustor plates. Please order necessary backing pad separately.

| D <sub>1</sub><br>[mm]                                                                                | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation          |
|-------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-------------------------------------------------------------------------------------|----------|----------------------|
| <b>CDR system</b>  |          |           |                 |                                                                                     |          |                      |
| 38                                                                                                    | A-PLUS   | 60        | 10,000 – 16,000 | 100                                                                                 | 42799025 | CDR 38 A 60 PLUS RS  |
|                                                                                                       |          | 80        | 10,000 – 16,000 | 100                                                                                 | 42799026 | CDR 38 A 80 PLUS RS  |
|                                                                                                       |          | 120       | 10,000 – 16,000 | 100                                                                                 | 42799027 | CDR 38 A 120 PLUS RS |
| 50                                                                                                    | A-PLUS   | 60        | 8,000 – 13,000  | 100                                                                                 | 42799028 | CDR 50 A 60 PLUS RS  |
|                                                                                                       |          | 80        | 8,000 – 13,000  | 100                                                                                 | 42799029 | CDR 50 A 80 PLUS RS  |
|                                                                                                       |          | 120       | 8,000 – 13,000  | 100                                                                                 | 42799030 | CDR 50 A 120 PLUS RS |
| 75                                                                                                    | A-PLUS   | 60        | 5,000 – 9,000   | 50                                                                                  | 42799031 | CDR 75 A 60 PLUS RS  |
|                                                                                                       |          | 80        | 5,000 – 9,000   | 50                                                                                  | 42799032 | CDR 75 A 80 PLUS RS  |
|                                                                                                       |          | 120       | 5,000 – 9,000   | 50                                                                                  | 42799033 | CDR 75 A 120 PLUS RS |



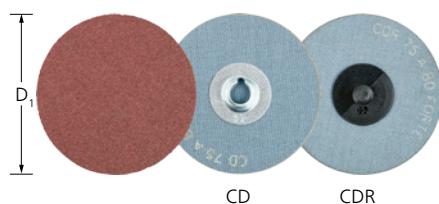
## Aluminium oxide A-FLEX version

Particularly flexible abrasive discs, which are especially suitable for work on contours and concave surfaces, e.g. in tool and mould-making. For achieving seamless transitions in the surface finish.

### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm]                                                                             | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation      |
|----------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------------------------------------------------------------------------|----------|------------------|
| <b>CD system</b>  |          |           |                 |                                                                                   |          |                  |
| 38                                                                                                 | A-FLEX   | 60 FLEX   | 10,000 – 16,000 | 100                                                                               | 42757406 | CD 38 A 60 FLEX  |
|                                                                                                    |          | 80 FLEX   | 10,000 – 16,000 | 100                                                                               | 42757408 | CD 38 A 80 FLEX  |
|                                                                                                    |          | 120 FLEX  | 10,000 – 16,000 | 100                                                                               | 42757412 | CD 38 A 120 FLEX |
| 50                                                                                                 | A-FLEX   | 60 FLEX   | 8,000 – 13,000  | 100                                                                               | 42757506 | CD 50 A 60 FLEX  |
|                                                                                                    |          | 80 FLEX   | 8,000 – 13,000  | 100                                                                               | 42757508 | CD 50 A 80 FLEX  |
|                                                                                                    |          | 120 FLEX  | 8,000 – 13,000  | 100                                                                               | 42757512 | CD 50 A 120 FLEX |
| 75                                                                                                 | A-FLEX   | 60 FLEX   | 5,000 – 9,000   | 50                                                                                | 42757706 | CD 75 A 60 FLEX  |
|                                                                                                    |          | 80 FLEX   | 5,000 – 9,000   | 50                                                                                | 42757708 | CD 75 A 80 FLEX  |
|                                                                                                    |          | 120 FLEX  | 5,000 – 9,000   | 50                                                                                | 42757712 | CD 75 A 120 FLEX |



## Aluminium oxide A-FORTE version

For general applications from coarse to fine grinding, with a high stock removal rate and long tool life.



### Special features:

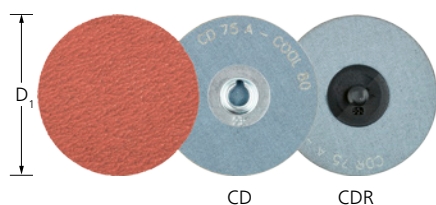
- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm]                                                                               | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation       |
|------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-------------------------------------------------------------------------------------|----------|-------------------|
| <b>CD system</b>  |          |           |                 |                                                                                     |          |                   |
| 25                                                                                                   | A-FORTE  | 60 FORTE  | 15,000 – 26,000 | 100                                                                                 | 42751306 | CD 25 A 60 FORTE  |
|                                                                                                      |          | 80 FORTE  | 15,000 – 26,000 | 100                                                                                 | 42751308 | CD 25 A 80 FORTE  |
|                                                                                                      |          | 120 FORTE | 15,000 – 26,000 | 100                                                                                 | 42751312 | CD 25 A 120 FORTE |
| 38                                                                                                   | A-FORTE  | 36 FORTE  | 10,000 – 16,000 | 100                                                                                 | 42751403 | CD 38 A 36 FORTE  |
|                                                                                                      |          | 60 FORTE  | 10,000 – 16,000 | 100                                                                                 | 42751406 | CD 38 A 60 FORTE  |
|                                                                                                      |          | 80 FORTE  | 10,000 – 16,000 | 100                                                                                 | 42751408 | CD 38 A 80 FORTE  |
|                                                                                                      |          | 120 FORTE | 10,000 – 16,000 | 100                                                                                 | 42751412 | CD 38 A 120 FORTE |
| 50                                                                                                   | A-FORTE  | 36 FORTE  | 8,000 – 13,000  | 100                                                                                 | 42751503 | CD 50 A 36 FORTE  |
|                                                                                                      |          | 60 FORTE  | 8,000 – 13,000  | 100                                                                                 | 42751506 | CD 50 A 60 FORTE  |
|                                                                                                      |          | 80 FORTE  | 8,000 – 13,000  | 100                                                                                 | 42751508 | CD 50 A 80 FORTE  |
|                                                                                                      |          | 120 FORTE | 8,000 – 13,000  | 100                                                                                 | 42751512 | CD 50 A 120 FORTE |
| 75                                                                                                   | A-FORTE  | 36 FORTE  | 5,000 – 9,000   | 50                                                                                  | 42751703 | CD 75 A 36 FORTE  |
|                                                                                                      |          | 60 FORTE  | 5,000 – 9,000   | 50                                                                                  | 42751706 | CD 75 A 60 FORTE  |
|                                                                                                      |          | 80 FORTE  | 5,000 – 9,000   | 50                                                                                  | 42751708 | CD 75 A 80 FORTE  |
|                                                                                                      |          | 120 FORTE | 5,000 – 9,000   | 50                                                                                  | 42751712 | CD 75 A 120 FORTE |

Continued on next page



| D <sub>1</sub><br>[mm]                                                                              | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation        |
|-----------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------------------------------------------------------------------------|----------|--------------------|
| <b>CDR system</b>  |          |           |                 |                                                                                   |          |                    |
| 25                                                                                                  | A-FORTE  | 60 FORTE  | 15,000 – 26,000 | 100                                                                               | 42771306 | CDR 25 A 60 FORTE  |
|                                                                                                     |          | 80 FORTE  | 15,000 – 26,000 | 100                                                                               | 42771308 | CDR 25 A 80 FORTE  |
|                                                                                                     |          | 120 FORTE | 15,000 – 26,000 | 100                                                                               | 42771312 | CDR 25 A 120 FORTE |
| 38                                                                                                  | A-FORTE  | 36 FORTE  | 10,000 – 16,000 | 100                                                                               | 42771403 | CDR 38 A 36 FORTE  |
|                                                                                                     |          | 60 FORTE  | 10,000 – 16,000 | 100                                                                               | 42771406 | CDR 38 A 60 FORTE  |
|                                                                                                     |          | 80 FORTE  | 10,000 – 16,000 | 100                                                                               | 42771408 | CDR 38 A 80 FORTE  |
|                                                                                                     |          | 120 FORTE | 10,000 – 16,000 | 100                                                                               | 42771412 | CDR 38 A 120 FORTE |
| 50                                                                                                  | A-FORTE  | 36 FORTE  | 8,000 – 13,000  | 100                                                                               | 42771503 | CDR 50 A 36 FORTE  |
|                                                                                                     |          | 60 FORTE  | 8,000 – 13,000  | 100                                                                               | 42771506 | CDR 50 A 60 FORTE  |
|                                                                                                     |          | 80 FORTE  | 8,000 – 13,000  | 100                                                                               | 42771508 | CDR 50 A 80 FORTE  |
|                                                                                                     |          | 120 FORTE | 8,000 – 13,000  | 100                                                                               | 42771512 | CDR 50 A 120 FORTE |
| 75                                                                                                  | A-FORTE  | 36 FORTE  | 5,000 – 9,000   | 50                                                                                | 42771703 | CDR 75 A 36 FORTE  |
|                                                                                                     |          | 60 FORTE  | 5,000 – 9,000   | 50                                                                                | 42771706 | CDR 75 A 60 FORTE  |
|                                                                                                     |          | 80 FORTE  | 5,000 – 9,000   | 50                                                                                | 42771708 | CDR 75 A 80 FORTE  |
|                                                                                                     |          | 120 FORTE | 5,000 – 9,000   | 50                                                                                | 42771712 | CDR 75 A 120 FORTE |



### Aluminium oxide A-COOL version

For general applications from coarse to fine grinding on materials with challenging stock removal properties, e.g. stainless steel (INOX). Active grinding additives substantially improve the stock removal rate, prevent clogging and result in cooler grinding.

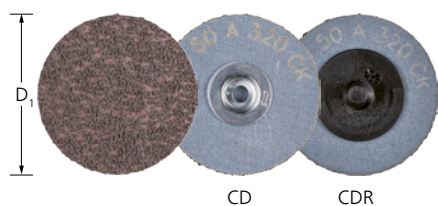


#### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm]                                                                                | Abrasive | Grit size | Opt. RPM       |  | Item no. | Designation      |
|-------------------------------------------------------------------------------------------------------|----------|-----------|----------------|-------------------------------------------------------------------------------------|----------|------------------|
| <b>CD system</b>   |          |           |                |                                                                                     |          |                  |
| 50                                                                                                    | A-COOL   | 36        | 8,000 – 13,000 | 100                                                                                 | 42752503 | CD 50 A-COOL 36  |
|                                                                                                       |          | 60        | 8,000 – 13,000 | 100                                                                                 | 42752506 | CD 50 A-COOL 60  |
|                                                                                                       |          | 80        | 8,000 – 13,000 | 100                                                                                 | 42752508 | CD 50 A-COOL 80  |
| 75                                                                                                    | A-COOL   | 36        | 5,000 – 9,000  | 50                                                                                  | 42752703 | CD 75 A-COOL 36  |
|                                                                                                       |          | 60        | 5,000 – 9,000  | 50                                                                                  | 42752706 | CD 75 A-COOL 60  |
|                                                                                                       |          | 80        | 5,000 – 9,000  | 50                                                                                  | 42752708 | CD 75 A-COOL 80  |
| <b>CDR system</b>  |          |           |                |                                                                                     |          |                  |
| 50                                                                                                    | A-COOL   | 36        | 8,000 – 13,000 | 100                                                                                 | 42772503 | CDR 50 A-COOL 36 |
|                                                                                                       |          | 60        | 8,000 – 13,000 | 100                                                                                 | 42772506 | CDR 50 A-COOL 60 |
|                                                                                                       |          | 80        | 8,000 – 13,000 | 100                                                                                 | 42772508 | CDR 50 A-COOL 80 |





## Aluminium oxide A compact grain version

Outstandingly suited to fine and very fine grinding, and for step-by-step preparations for polishing. The self-sharpening compact grain facilitates a very long tool life and achieves consistent surface quality levels throughout the entire tool life.

### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- Please order necessary backing pad separately. Only use backing pad with dia. 20–50 mm.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM |  | Item no. | Designation |
|------------------------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|
|------------------------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|

### CD system

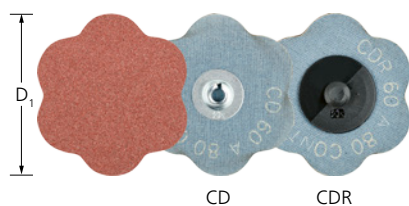


|    |      |      |                |     |          |                 |
|----|------|------|----------------|-----|----------|-----------------|
| 50 | A-CK | 120  | 3,800 – 13,000 | 100 | 42755012 | CD 50 A 120 CK  |
|    |      | 180  | 3,800 – 13,000 | 100 | 42755018 | CD 50 A 180 CK  |
|    |      | 240  | 3,800 – 13,000 | 100 | 42755024 | CD 50 A 240 CK  |
|    |      | 320  | 3,800 – 13,000 | 100 | 42755032 | CD 50 A 320 CK  |
|    |      | 400  | 3,800 – 13,000 | 100 | 42755040 | CD 50 A 400 CK  |
|    |      | 600  | 3,800 – 13,000 | 100 | 42755060 | CD 50 A 600 CK  |
|    |      | 800  | 3,800 – 13,000 | 100 | 42755080 | CD 50 A 800 CK  |
|    |      | 1000 | 3,800 – 13,000 | 100 | 42755100 | CD 50 A 1000 CK |
|    |      | 1200 | 3,800 – 13,000 | 100 | 42755120 | CD 50 A 1200 CK |

### CDR system



|    |      |      |                |     |          |                  |
|----|------|------|----------------|-----|----------|------------------|
| 50 | A-CK | 120  | 3,800 – 13,000 | 100 | 42795012 | CDR 50 A 120 CK  |
|    |      | 180  | 3,800 – 13,000 | 100 | 42795018 | CDR 50 A 180 CK  |
|    |      | 240  | 3,800 – 13,000 | 100 | 42795024 | CDR 50 A 240 CK  |
|    |      | 320  | 3,800 – 13,000 | 100 | 42795032 | CDR 50 A 320 CK  |
|    |      | 400  | 3,800 – 13,000 | 100 | 42795040 | CDR 50 A 400 CK  |
|    |      | 600  | 3,800 – 13,000 | 100 | 42795060 | CDR 50 A 600 CK  |
|    |      | 800  | 3,800 – 13,000 | 100 | 42795080 | CDR 50 A 800 CK  |
|    |      | 1000 | 3,800 – 13,000 | 100 | 42795100 | CDR 50 A 1000 CK |
|    |      | 1200 | 3,800 – 13,000 | 100 | 42795120 | CDR 50 A 1200 CK |



## Aluminium oxide A-CONTOUR version

Very flexible and adaptable on account of the outer contour. Cutting into the workpiece is avoided.



### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM |  | Item no. | Designation |
|------------------------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-------------|
|------------------------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-------------|

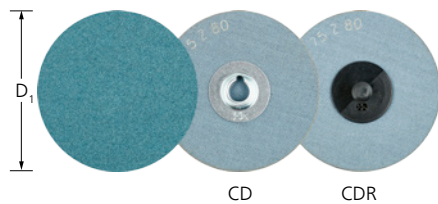
### CD system



|    |   |             |                |    |          |                     |
|----|---|-------------|----------------|----|----------|---------------------|
| 60 | A | 60 CONTOUR  | 7,500 – 11,000 | 50 | 42759001 | CD 60 A 60 CONTOUR  |
|    |   | 80 CONTOUR  | 7,500 – 11,000 | 50 | 42759002 | CD 60 A 80 CONTOUR  |
|    |   | 120 CONTOUR | 7,500 – 11,000 | 50 | 42759003 | CD 60 A 120 CONTOUR |
|    |   | 180 CONTOUR | 7,500 – 11,000 | 50 | 42759004 | CD 60 A 180 CONTOUR |

Continued on next page

| D <sub>1</sub><br>[mm]                                                                              | Abrasive | Grit size   | Opt. RPM       |  | Item no. | Designation          |
|-----------------------------------------------------------------------------------------------------|----------|-------------|----------------|-----------------------------------------------------------------------------------|----------|----------------------|
| <b>CDR system</b>  |          |             |                |                                                                                   |          |                      |
| 60                                                                                                  | A        | 60 CONTOUR  | 7,500 – 11,000 | 50                                                                                | 42759005 | CDR 60 A 60 CONTOUR  |
|                                                                                                     |          | 80 CONTOUR  | 7,500 – 11,000 | 50                                                                                | 42759006 | CDR 60 A 80 CONTOUR  |
|                                                                                                     |          | 120 CONTOUR | 7,500 – 11,000 | 50                                                                                | 42759007 | CDR 60 A 120 CONTOUR |
|                                                                                                     |          | 180 CONTOUR | 7,500 – 11,000 | 50                                                                                | 42759008 | CDR 60 A 180 CONTOUR |



### Zirconia alumina Z version

For coarse grinding work with a high stock removal rate and a long tool life. Particularly high stock removal rate in coarse grinding applications using grit sizes 36 and 60.

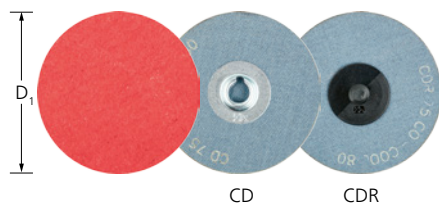


#### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm]                                                                               | Abrasive | Grit size | Opt. RPM       |  | Item no. | Designation |
|------------------------------------------------------------------------------------------------------|----------|-----------|----------------|------------------------------------------------------------------------------------|----------|-------------|
| <b>CD system</b>  |          |           |                |                                                                                    |          |             |
| 38                                                                                                   | Z        | 36        | 5,000 – 16,000 | 100                                                                                | 42753403 | CD 38 Z 36  |
|                                                                                                      |          | 60        | 5,000 – 16,000 | 100                                                                                | 42753406 | CD 38 Z 60  |
|                                                                                                      |          | 80        | 5,000 – 16,000 | 100                                                                                | 42753408 | CD 38 Z 80  |
| 50                                                                                                   | Z        | 36        | 3,800 – 13,000 | 100                                                                                | 42753503 | CD 50 Z 36  |
|                                                                                                      |          | 60        | 3,800 – 13,000 | 100                                                                                | 42753506 | CD 50 Z 60  |
|                                                                                                      |          | 80        | 3,800 – 13,000 | 100                                                                                | 42753508 | CD 50 Z 80  |
| 75                                                                                                   | Z        | 36        | 2,500 – 9,000  | 50                                                                                 | 42753703 | CD 75 Z 36  |
|                                                                                                      |          | 60        | 2,500 – 9,000  | 50                                                                                 | 42753706 | CD 75 Z 60  |
|                                                                                                      |          | 80        | 2,500 – 9,000  | 50                                                                                 | 42753708 | CD 75 Z 80  |

|                                                                                                       |   |    |                |     |          |             |
|-------------------------------------------------------------------------------------------------------|---|----|----------------|-----|----------|-------------|
| <b>CDR system</b>  |   |    |                |     |          |             |
| 38                                                                                                    | Z | 36 | 5,000 – 16,000 | 100 | 42773403 | CDR 38 Z 36 |
|                                                                                                       |   | 60 | 5,000 – 16,000 | 100 | 42773406 | CDR 38 Z 60 |
|                                                                                                       |   | 80 | 5,000 – 16,000 | 100 | 42773408 | CDR 38 Z 80 |
| 50                                                                                                    | Z | 36 | 3,800 – 13,000 | 100 | 42773503 | CDR 50 Z 36 |
|                                                                                                       |   | 60 | 3,800 – 13,000 | 100 | 42773506 | CDR 50 Z 60 |
|                                                                                                       |   | 80 | 3,800 – 13,000 | 100 | 42773508 | CDR 50 Z 80 |
| 75                                                                                                    | Z | 36 | 2,500 – 9,000  | 50  | 42773703 | CDR 75 Z 36 |
|                                                                                                       |   | 60 | 2,500 – 9,000  | 50  | 42773706 | CDR 75 Z 60 |
|                                                                                                       |   | 80 | 2,500 – 9,000  | 50  | 42773708 | CDR 75 Z 80 |



### Ceramic oxide grain CO-COOL version

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.

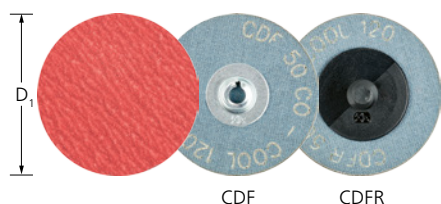


#### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm]                                                                         | Abrasive | Grit size | Opt. RPM       |  | Item no. | Designation        |
|------------------------------------------------------------------------------------------------|----------|-----------|----------------|-----------------------------------------------------------------------------------|----------|--------------------|
| CD system     |          |           |                |                                                                                   |          |                    |
| 38                                                                                             | CO-COOL  | 24        | 5,000 – 16,000 | 100                                                                               | 42756402 | CD 38 CO-COOL 24   |
|                                                                                                |          | 36        | 5,000 – 16,000 | 100                                                                               | 42756403 | CD 38 CO-COOL 36   |
|                                                                                                |          | 60        | 5,000 – 16,000 | 100                                                                               | 42756406 | CD 38 CO-COOL 60   |
|                                                                                                |          | 80        | 5,000 – 16,000 | 100                                                                               | 42756408 | CD 38 CO-COOL 80   |
|                                                                                                |          | 120       | 5,000 – 16,000 | 100                                                                               | 42756412 | CD 38 CO-COOL 120  |
| 50                                                                                             | CO-COOL  | 24        | 3,800 – 13,000 | 100                                                                               | 42756502 | CD 50 CO-COOL 24   |
|                                                                                                |          | 36        | 3,800 – 13,000 | 100                                                                               | 42756503 | CD 50 CO-COOL 36   |
|                                                                                                |          | 60        | 3,800 – 13,000 | 100                                                                               | 42756506 | CD 50 CO-COOL 60   |
|                                                                                                |          | 80        | 3,800 – 13,000 | 100                                                                               | 42756508 | CD 50 CO-COOL 80   |
|                                                                                                |          | 120       | 3,800 – 13,000 | 100                                                                               | 42756512 | CD 50 CO-COOL 120  |
| 75                                                                                             | CO-COOL  | 24        | 2,500 – 9,000  | 50                                                                                | 42756702 | CD 75 CO-COOL 24   |
|                                                                                                |          | 36        | 2,500 – 9,000  | 50                                                                                | 42756703 | CD 75 CO-COOL 36   |
|                                                                                                |          | 60        | 2,500 – 9,000  | 50                                                                                | 42756706 | CD 75 CO-COOL 60   |
|                                                                                                |          | 80        | 2,500 – 9,000  | 50                                                                                | 42756708 | CD 75 CO-COOL 80   |
|                                                                                                |          | 120       | 2,500 – 9,000  | 50                                                                                | 42756712 | CD 75 CO-COOL 120  |
| CDR system  |          |           |                |                                                                                   |          |                    |
| 38                                                                                             | CO-COOL  | 36        | 5,000 – 16,000 | 100                                                                               | 42776403 | CDR 38 CO-COOL 36  |
|                                                                                                |          | 60        | 5,000 – 16,000 | 100                                                                               | 42776406 | CDR 38 CO-COOL 60  |
|                                                                                                |          | 80        | 5,000 – 16,000 | 100                                                                               | 42776408 | CDR 38 CO-COOL 80  |
|                                                                                                |          | 120       | 5,000 – 16,000 | 100                                                                               | 42776412 | CDR 38 CO-COOL 120 |
| 50                                                                                             | CO-COOL  | 24        | 3,800 – 13,000 | 100                                                                               | 42776502 | CDR 50 CO-COOL 24  |
|                                                                                                |          | 36        | 3,800 – 13,000 | 100                                                                               | 42776503 | CDR 50 CO-COOL 36  |
|                                                                                                |          | 60        | 3,800 – 13,000 | 100                                                                               | 42776506 | CDR 50 CO-COOL 60  |
|                                                                                                |          | 80        | 3,800 – 13,000 | 100                                                                               | 42776508 | CDR 50 CO-COOL 80  |
|                                                                                                |          | 120       | 3,800 – 13,000 | 100                                                                               | 42776512 | CDR 50 CO-COOL 120 |
| 75                                                                                             | CO-COOL  | 24        | 2,500 – 9,000  | 50                                                                                | 42776702 | CDR 75 CO-COOL 24  |
|                                                                                                |          | 36        | 2,500 – 9,000  | 50                                                                                | 42776703 | CDR 75 CO-COOL 36  |
|                                                                                                |          | 60        | 2,500 – 9,000  | 50                                                                                | 42776706 | CDR 75 CO-COOL 60  |
|                                                                                                |          | 80        | 2,500 – 9,000  | 50                                                                                | 42776708 | CDR 75 CO-COOL 80  |
|                                                                                                |          | 120       | 2,500 – 9,000  | 50                                                                                | 42776712 | CDR 75 CO-COOL 120 |





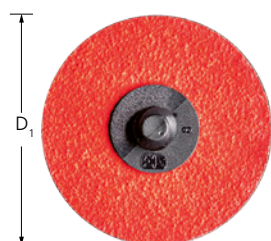
### Ceramic oxide grain CO-COOL mini fibre discs type

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:

- Excellent for surface and edge grinding. The fibre backing strengthens the abrasive disc and improves stock removal.
- High economic efficiency as tool can be changed quickly. Very comfortable due to ease of use and low-vibration working.
- Please order necessary backing pad separately. No disruptions in use due to adhesion, slipping or coming loose.

| D <sub>1</sub><br>[mm]                                                                        | Abrasive | Grit size | Opt. RPM       |  | Item no. | Designation         |
|-----------------------------------------------------------------------------------------------|----------|-----------|----------------|-----------------------------------------------------------------------------------|----------|---------------------|
| CD system    |          |           |                |                                                                                   |          |                     |
| 50                                                                                            | CO-COOL  | 36        | 3,800 – 13,000 | 100                                                                               | 42749503 | CDF 50 CO-COOL 36   |
|                                                                                               |          | 50        | 3,800 – 13,000 | 100                                                                               | 42749505 | CDF 50 CO-COOL 50   |
|                                                                                               |          | 80        | 3,800 – 13,000 | 100                                                                               | 42749508 | CDF 50 CO-COOL 80   |
|                                                                                               |          | 120       | 3,800 – 13,000 | 100                                                                               | 42749512 | CDF 50 CO-COOL 120  |
| 75                                                                                            | CO-COOL  | 36        | 2,500 – 9,000  | 50                                                                                | 42749703 | CDF 75 CO-COOL 36   |
|                                                                                               |          | 50        | 2,500 – 9,000  | 50                                                                                | 42749705 | CDF 75 CO-COOL 50   |
|                                                                                               |          | 80        | 2,500 – 9,000  | 50                                                                                | 42749708 | CDF 75 CO-COOL 80   |
|                                                                                               |          | 120       | 2,500 – 9,000  | 50                                                                                | 42749712 | CDF 75 CO-COOL 120  |
| CDR system  |          |           |                |                                                                                   |          |                     |
| 50                                                                                            | CO-COOL  | 36        | 3,800 – 13,000 | 100                                                                               | 42778503 | CDFR 50 CO-COOL 36  |
|                                                                                               |          | 50        | 3,800 – 13,000 | 100                                                                               | 42778505 | CDFR 50 CO-COOL 50  |
|                                                                                               |          | 80        | 3,800 – 13,000 | 100                                                                               | 42778508 | CDFR 50 CO-COOL 80  |
|                                                                                               |          | 120       | 3,800 – 13,000 | 100                                                                               | 42778512 | CDFR 50 CO-COOL 120 |
| 75                                                                                            | CO-COOL  | 36        | 2,500 – 9,000  | 50                                                                                | 42778703 | CDFR 75 CO-COOL 36  |
|                                                                                               |          | 50        | 2,500 – 9,000  | 50                                                                                | 42778705 | CDFR 75 CO-COOL 50  |
|                                                                                               |          | 80        | 2,500 – 9,000  | 50                                                                                | 42778708 | CDFR 75 CO-COOL 80  |
|                                                                                               |          | 120       | 2,500 – 9,000  | 50                                                                                | 42778712 | CDFR 75 CO-COOL 120 |



### RS ceramic oxide grain CO-COOL mini fibre disc version

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.



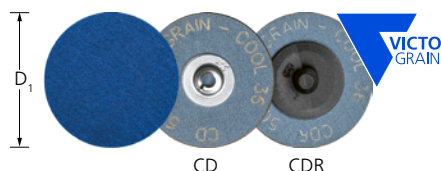
#### Special features:

- Excellent for weld dressing of backwards repair welds, e.g. in cases, slots and grooves on engines.
- The abrasive coating is located on the underside of the tool. This enables convenient and safe backwards working in hard-to-reach areas.
- Ideal for work on welded-on combustor plates. Order necessary backing pad separately.

| D <sub>1</sub><br>[mm]                                                                                | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation           |
|-------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-------------------------------------------------------------------------------------|----------|-----------------------|
| <b>CDR system</b>  |          |           |                 |                                                                                     |          |                       |
| 38                                                                                                    | CO-COOL  | 50        | 10,000 – 16,000 | 100                                                                                 | 42799010 | CDR 38 CO-COOL 50 RS  |
|                                                                                                       |          | 80        | 10,000 – 16,000 | 100                                                                                 | 47201013 | CDR 38 CO-COOL 80 RS  |
|                                                                                                       |          | 120       | 10,000 – 16,000 | 100                                                                                 | 42799011 | CDR 38 CO-COOL 120 RS |
| 50                                                                                                    | CO-COOL  | 50        | 3,800 – 13,000  | 100                                                                                 | 42799012 | CDR 50 CO-COOL 50 RS  |
|                                                                                                       |          | 80        | 3,800 – 13,000  | 100                                                                                 | 47201007 | CDR 50 CO-COOL 80 RS  |

*Continued on next page*

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM       |  | Item no. | Designation            |
|------------------------|----------|-----------|----------------|-----------------------------------------------------------------------------------|----------|------------------------|
| 50                     | CO-COOL  | 120       | 3,800 – 13,000 | 100                                                                               | 42799013 | CDFR 50 CO-COOL 120 RS |
| 75                     | CO-COOL  | 50        | 2,500 – 9,000  | 50                                                                                | 42799014 | CDFR 75 CO-COOL 50 RS  |
|                        |          | 80        | 2,500 – 9,000  | 50                                                                                | 47201014 | CDFR 75 CO-COOL 80 RS  |
|                        |          | 120       | 2,500 – 9,000  | 50                                                                                | 42799015 | CDFR 75 CO-COOL 120 RS |



### VICTO GRAIN-COOL version

For maximum aggressive grinding with an extremely long tool life, the ultimate stock removal rate and consistently high performance on steel and hard materials which do not conduct heat well. Active grinding additives in the coating prevent clogging and result in cooler grinding.

#### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM |  | Item no. | Designation |
|------------------------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|
|------------------------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------|

#### CD system



|    |                  |    |                |     |          |                           |
|----|------------------|----|----------------|-----|----------|---------------------------|
| 38 | VICTO GRAIN-COOL | 36 | 5,000 – 16,000 | 100 | 42798001 | CD 38 VICTO GRAIN-COOL 36 |
| 50 | VICTO GRAIN-COOL | 36 | 3,800 – 13,000 | 100 | 42798002 | CD 50 VICTO GRAIN-COOL 36 |
| 75 | VICTO GRAIN-COOL | 36 | 2,500 – 9,000  | 50  | 42798003 | CD 75 VICTO GRAIN-COOL 36 |

#### CDR system



|    |                  |    |                |     |          |                            |
|----|------------------|----|----------------|-----|----------|----------------------------|
| 38 | VICTO GRAIN-COOL | 36 | 5,000 – 16,000 | 100 | 42799001 | CDR 38 VICTO GRAIN-COOL 36 |
| 50 | VICTO GRAIN-COOL | 36 | 3,800 – 13,000 | 100 | 42799002 | CDR 50 VICTO GRAIN-COOL 36 |
| 75 | VICTO GRAIN-COOL | 36 | 2,500 – 9,000  | 50  | 42799003 | CDR 75 VICTO GRAIN-COOL 36 |



### VICTO GRAIN-COOL mini fibre discs type

For maximum aggressive grinding with an extremely long tool life, the ultimate stock removal rate and consistently high performance on steel and hard materials which do not conduct heat well. Active grinding additives in the coating prevent clogging and result in cooler grinding.

#### Special features:

- Excellent for surface and edge grinding. The fibre backing strengthens the abrasive disc and improves stock removal.
- High economic efficiency as tool can be changed quickly. Very comfortable due to ease of use and low-vibration working.
- Please order necessary backing pad separately. No disruptions in use due to adhesion, slipping or coming loose.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM |  | Item no. | Designation |
|------------------------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-------------|
|------------------------|----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-------------|

#### CD system



|    |                  |    |                |     |          |                            |
|----|------------------|----|----------------|-----|----------|----------------------------|
| 38 | VICTO GRAIN-COOL | 36 | 5,000 – 16,000 | 100 | 42703836 | CDF 38 VICTO GRAIN-COOL 36 |
|    |                  | 60 | 5,000 – 16,000 | 100 | 42703860 | CD 38 VICTO GRAIN-COOL 60  |
|    |                  | 80 | 5,000 – 16,000 | 100 | 42703880 | CD 38 VICTO GRAIN-COOL 80  |
| 50 | VICTO GRAIN-COOL | 36 | 3,800 – 13,000 | 100 | 42705036 | CDF 50 VICTO GRAIN-COOL 36 |
|    |                  | 60 | 3,800 – 13,000 | 100 | 42705060 | CD 50 VICTO GRAIN-COOL 60  |
|    |                  | 80 | 3,800 – 13,000 | 100 | 42705080 | CD 50 VICTO GRAIN-COOL 80  |
| 75 | VICTO GRAIN-COOL | 36 | 2,500 – 9,000  | 50  | 42707536 | CDF 75 VICTO GRAIN-COOL 36 |
|    |                  | 60 | 2,500 – 9,000  | 50  | 42707560 | CD 75 VICTO GRAIN-COOL 60  |
|    |                  | 80 | 2,500 – 9,000  | 50  | 42707580 | CD 75 VICTO GRAIN-COOL 80  |

#### CDR system

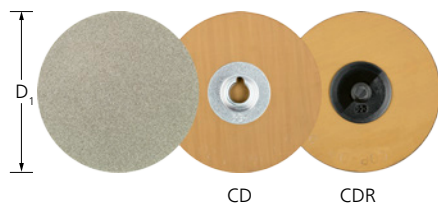


|    |                  |    |                |     |          |                            |
|----|------------------|----|----------------|-----|----------|----------------------------|
| 38 | VICTO GRAIN-COOL | 36 | 5,000 – 16,000 | 100 | 42713836 | CDR 38 VICTO GRAIN-COOL 36 |
|    |                  | 60 | 5,000 – 16,000 | 100 | 42713860 | CDR 38 VICTO GRAIN-COOL 60 |

Continued on next page



| D <sub>1</sub><br>[mm] | Abrasive        | Grit size | Opt. RPM       |  | Item no. | Designation                |
|------------------------|-----------------|-----------|----------------|-----------------------------------------------------------------------------------|----------|----------------------------|
| 38                     | VICTOGRAIN-COOL | 80        | 5,000 – 16,000 | 100                                                                               | 42713880 | CDR 38 VICTOGRAIN-COOL 80  |
| 50                     | VICTOGRAIN-COOL | 36        | 3,800 – 13,000 | 100                                                                               | 42715036 | CDFR 50 VICTOGRAIN-COOL 36 |
|                        |                 | 60        | 3,800 – 13,000 | 100                                                                               | 42715060 | CDR 50 VICTOGRAIN-COOL 60  |
|                        |                 | 80        | 3,800 – 13,000 | 100                                                                               | 42715080 | CDR 50 VICTOGRAIN-COOL 80  |
| 75                     | VICTOGRAIN-COOL | 36        | 2,500 – 9,000  | 50                                                                                | 42717536 | CDFR 75 VICTOGRAIN-COOL 36 |
|                        |                 | 60        | 2,500 – 9,000  | 50                                                                                | 42717560 | CDR 75 VICTOGRAIN-COOL 60  |
|                        |                 | 80        | 2,500 – 9,000  | 50                                                                                | 42717580 | CDR 75 VICTOGRAIN-COOL 80  |



### Diamond version

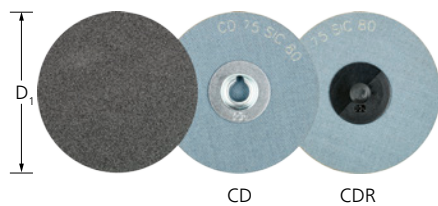
Excellent for work on extremely hard materials, wear-resistant coatings and for hard facings. Particularly recommended for work on materials used for aircraft engine construction.



#### Special features:

- High economic efficiency as tool can be changed quickly. Very comfortable due to ease of use and low-vibration working.
- Please order necessary backing pad separately. No disruptions in use due to adhesion, slipping or coming loose.
- 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 <sub>1</sub><br>[mm]                                                                         | Abrasive | Grit size [μm] | Opt. RPM       |  | Item no. | Designation              |
|------------------------------------------------------------------------------------------------|----------|----------------|----------------|-------------------------------------------------------------------------------------|----------|--------------------------|
| CD system   |          |                |                |                                                                                     |          |                          |
| 25                                                                                             | DIA      | 251            | 7,500 – 15,000 | 10                                                                                  | 42740001 | CD DIA 25 D 251 - P 60   |
|                                                                                                |          | 126            | 7,500 – 15,000 | 10                                                                                  | 42740002 | CD DIA 25 D 126 - P 120  |
|                                                                                                |          | 76             | 7,500 – 15,000 | 10                                                                                  | 42740003 | CD DIA 25 D 76 - P 220   |
| 38                                                                                             | DIA      | 251            | 5,000 – 10,000 | 10                                                                                  | 42740004 | CD DIA 38 D 251 - P 60   |
|                                                                                                |          | 126            | 5,000 – 10,000 | 10                                                                                  | 42740005 | CD DIA 38 D 126 - P 120  |
|                                                                                                |          | 76             | 5,000 – 10,000 | 10                                                                                  | 42740006 | CD DIA 38 D 76 - P 220   |
| 50                                                                                             | DIA      | 251            | 3,800 – 7,500  | 10                                                                                  | 42740007 | CD DIA 50 D 251 - P 60   |
|                                                                                                |          | 126            | 3,800 – 7,500  | 10                                                                                  | 42740008 | CD DIA 50 D 126 - P 120  |
|                                                                                                |          | 76             | 3,800 – 7,500  | 10                                                                                  | 42740009 | CD DIA 50 D 76 - P 220   |
| 75                                                                                             | DIA      | 251            | 2,500 – 5,000  | 10                                                                                  | 42740010 | CD DIA 75 D 251 - P 60   |
|                                                                                                |          | 126            | 2,500 – 5,000  | 10                                                                                  | 42740011 | CD DIA 75 D 126 - P 120  |
|                                                                                                |          | 76             | 2,500 – 5,000  | 10                                                                                  | 42740012 | CD DIA 75 D 76 - P 220   |
| CDR system  |          |                |                |                                                                                     |          |                          |
| 50                                                                                             | DIA      | 251            | 3,800 – 7,500  | 10                                                                                  | 42758007 | CDR DIA 50 D 251 - P 60  |
|                                                                                                |          | 126            | 3,800 – 7,500  | 10                                                                                  | 42758008 | CDR DIA 50 D 126 - P 120 |
|                                                                                                |          | 76             | 3,800 – 7,500  | 10                                                                                  | 42758009 | CDR DIA 50 D 76 - P 220  |



### Silicon carbide SiC version

For general grinding work on components made of aluminium, copper, bronze, titanium and fibre-reinforced plastics. Particularly recommended for use on titanium alloys. Ideally suited for use in the aircraft industry, particularly when SiC is the only abrasive approved for use.

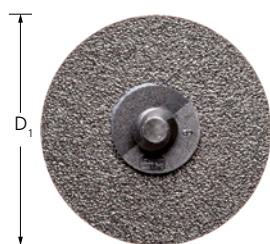


#### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm]                                                                         | Abrasive | Grit size | Opt. RPM       |  | Item no. | Designation    |
|------------------------------------------------------------------------------------------------|----------|-----------|----------------|-----------------------------------------------------------------------------------|----------|----------------|
| CD system     |          |           |                |                                                                                   |          |                |
| 50                                                                                             | SiC      | 36        | 3,800 – 13,000 | 100                                                                               | 42754503 | CD 50 SiC 36   |
|                                                                                                |          | 60        | 3,800 – 13,000 | 100                                                                               | 42754506 | CD 50 SiC 60   |
|                                                                                                |          | 80        | 3,800 – 13,000 | 100                                                                               | 42754508 | CD 50 SiC 80   |
|                                                                                                |          | 120       | 3,800 – 13,000 | 100                                                                               | 42754512 | CD 50 SiC 120  |
|                                                                                                |          | 240       | 3,800 – 13,000 | 100                                                                               | 42754524 | CD 50 SiC 240  |
| 75                                                                                             | SiC      | 36        | 2,500 – 9,000  | 50                                                                                | 42754703 | CD 75 SiC 36   |
|                                                                                                |          | 60        | 2,500 – 9,000  | 50                                                                                | 42754706 | CD 75 SiC 60   |
|                                                                                                |          | 80        | 2,500 – 9,000  | 50                                                                                | 42754708 | CD 75 SiC 80   |
|                                                                                                |          | 120       | 2,500 – 9,000  | 50                                                                                | 42754712 | CD 75 SiC 120  |
|                                                                                                |          | 240       | 2,500 – 9,000  | 50                                                                                | 42754724 | CD 75 SiC 240  |
| CDR system  |          |           |                |                                                                                   |          |                |
| 50                                                                                             | SiC      | 36        | 3,800 – 13,000 | 100                                                                               | 42774503 | CDR 50 SiC 36  |
|                                                                                                |          | 60        | 3,800 – 13,000 | 100                                                                               | 42774506 | CDR 50 SiC 60  |
|                                                                                                |          | 80        | 3,800 – 13,000 | 100                                                                               | 42774508 | CDR 50 SiC 80  |
|                                                                                                |          | 120       | 3,800 – 13,000 | 100                                                                               | 42774512 | CDR 50 SiC 120 |
|                                                                                                |          | 240       | 3,800 – 13,000 | 100                                                                               | 42774524 | CDR 50 SiC 240 |
| 75                                                                                             | SiC      | 36        | 2,500 – 9,000  | 50                                                                                | 42774703 | CDR 75 SiC 36  |
|                                                                                                |          | 60        | 2,500 – 9,000  | 50                                                                                | 42774706 | CDR 75 SiC 60  |
|                                                                                                |          | 80        | 2,500 – 9,000  | 50                                                                                | 42774708 | CDR 75 SiC 80  |
|                                                                                                |          | 120       | 2,500 – 9,000  | 50                                                                                | 42774712 | CDR 75 SiC 120 |
|                                                                                                |          | 240       | 2,500 – 9,000  | 50                                                                                | 42774724 | CDR 75 SiC 240 |





## RS silicon carbide SiC version

For reverse-side grinding work on components made of aluminium, copper, bronze, titanium and fibre-reinforced plastics. Particularly recommended for use on titanium alloys. Ideally suited for use in the aircraft industry, particularly when SiC is the only abrasive approved for use.

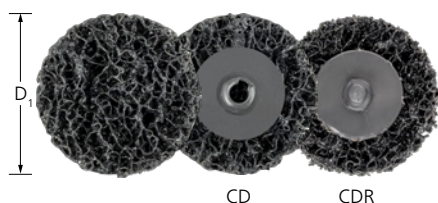


### Special features:

- Excellent for weld dressing of backwards repair welds, e.g. in cases, slots and grooves on engines.
- The abrasive coating is located on the underside of the tool. This enables convenient and safe backwards working in hard-to-reach areas.
- Ideal for work on welded-on combustor plates. Order necessary backing pad separately.

| D <sub>1</sub><br>[mm]                                                                              | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation       |
|-----------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------------------------------------------------------------------------|----------|-------------------|
| <b>CDR system</b>  |          |           |                 |                                                                                   |          |                   |
| 38                                                                                                  | SiC      | 60        | 10,000 – 16,000 | 100                                                                               | 42799016 | CDR 38 SiC 60 RS  |
|                                                                                                     |          | 80        | 10,000 – 16,000 | 100                                                                               | 42799017 | CDR 38 SiC 80 RS  |
|                                                                                                     |          | 120       | 10,000 – 16,000 | 100                                                                               | 42799018 | CDR 38 SiC 120 RS |
| 50                                                                                                  | SiC      | 60        | 3,800 – 13,000  | 100                                                                               | 42799019 | CDR 50 SiC 60 RS  |
|                                                                                                     |          | 80        | 3,800 – 13,000  | 100                                                                               | 42799020 | CDR 50 SiC 80 RS  |
|                                                                                                     |          | 120       | 3,800 – 13,000  | 100                                                                               | 42799021 | CDR 50 SiC 120 RS |
| 75                                                                                                  | SiC      | 60        | 2,500 – 9,000   | 50                                                                                | 42799022 | CDR 75 SiC 60 RS  |
|                                                                                                     |          | 80        | 2,500 – 9,000   | 50                                                                                | 42799023 | CDR 75 SiC 80 RS  |
|                                                                                                     |          | 120       | 2,500 – 9,000   | 50                                                                                | 42799024 | CDR 75 SiC 120 RS |

## POLICLEAN discs CD, CDR



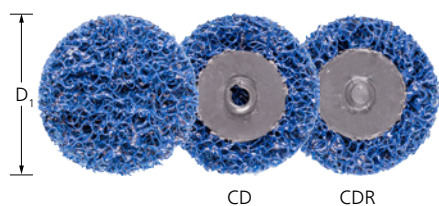
### POLICLEAN standard type

POLICLEAN is a coarsely structured, abrasive, non-woven cleaning fabric made from a special combination of synthetic fibres, resin and abrasive grain. For coarse cleaning work, e.g. removing paint, scale, heat discolouration, rust and adhesive residue.

### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm]                                                                                | Version | Abrasive | Opt. RPM      |  | Item no. | Designation |
|-------------------------------------------------------------------------------------------------------|---------|----------|---------------|-------------------------------------------------------------------------------------|----------|-------------|
| <b>CD system</b>   |         |          |               |                                                                                     |          |             |
| 50                                                                                                    | PCLR    | SiC      | 5,500 – 8,000 | 10                                                                                  | 42780050 | CD 50 PCLR  |
| 75                                                                                                    | PCLR    | SiC      | 3,800 – 5,000 | 10                                                                                  | 42780075 | CD 75 PCLR  |
| <b>CDR system</b>  |         |          |               |                                                                                     |          |             |
| 50                                                                                                    | PCLR    | SiC      | 5,500 – 8,000 | 10                                                                                  | 47201632 | CDR 50 PCLR |
| 75                                                                                                    | PCLR    | SiC      | 3,800 – 5,000 | 10                                                                                  | 47201633 | CDR 75 PCLR |



### POLICLEAN PLUS type

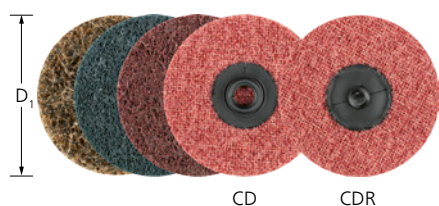
POLICLEAN PLUS is a coarsely structured, aggressive, non-woven cleaning fabric made from a special combination of synthetic fibres, resin and abrasive grain, with increased tool life and optimum aggressiveness. Suitable for roughening and for coarse cleaning work such as removing paint, scale, heat discolouration, rust and adhesive residues.

#### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm] | Version   | Abrasive | Opt. RPM      |  | Item no. | Designation      |
|------------------------|-----------|----------|---------------|-----------------------------------------------------------------------------------|----------|------------------|
| <b>CD system</b>       |           |          |               |                                                                                   |          |                  |
| 50                     | PCLR PLUS | A        | 5,500 – 8,000 | 10                                                                                | 42780051 | CD 50 PCLR PLUS  |
| 75                     | PCLR PLUS | A        | 3,800 – 5,000 | 10                                                                                | 42780076 | CD 75 PCLR PLUS  |
| <b>CDR system</b>      |           |          |               |                                                                                   |          |                  |
| 50                     | PCLR PLUS | A        | 5,500 – 8,000 | 10                                                                                | 42780052 | CDR 50 PCLR PLUS |
| 75                     | PCLR PLUS | A        | 3,800 – 5,000 | 10                                                                                | 42780077 | CDR 75 PCLR PLUS |

## Non-woven discs CD, CDR



### Hard type VRH

Suitable for general work on small and medium-sized metal surfaces, e.g. removing rough grinding traces, removing oxidation and light deburring work. Achieve matt and satin-finished surfaces.



#### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm]                                                                               | Abrasive | Grit size | Version              | Opt. RPM        |  | Item no. | Designation       |
|------------------------------------------------------------------------------------------------------|----------|-----------|----------------------|-----------------|-------------------------------------------------------------------------------------|----------|-------------------|
| <b>CD system</b>  |          |           |                      |                 |                                                                                     |          |                   |
| 20                                                                                                   | A        | 100 G     | coarse, yellow-brown | 14,000 – 19,000 | 50                                                                                  | 47201114 | CD VRH 20 A 100 G |
|                                                                                                      |          | 180 M     | medium, red-brown    | 14,000 – 19,000 | 50                                                                                  | 47201102 | CD VRH 20 A 180 M |
|                                                                                                      |          | 240 F     | fine, blue           | 14,000 – 19,000 | 50                                                                                  | 42761204 | CD VRH 20 A 240 F |
| 25                                                                                                   | A        | 100 G     | coarse, yellow-brown | 11,000 – 15,000 | 50                                                                                  | 42761251 | CD VRH 25 A 100 G |
|                                                                                                      |          | 180 M     | medium, red-brown    | 11,000 – 15,000 | 50                                                                                  | 42761252 | CD VRH 25 A 180 M |
|                                                                                                      |          | 240 F     | fine, blue           | 11,000 – 15,000 | 50                                                                                  | 42761254 | CD VRH 25 A 240 F |
| 38                                                                                                   | A        | 100 G     | coarse, yellow-brown | 7,000 – 10,000  | 50                                                                                  | 42761381 | CD VRH 38 A 100 G |
|                                                                                                      |          | 180 M     | medium, red-brown    | 7,000 – 10,000  | 50                                                                                  | 42761382 | CD VRH 38 A 180 M |
|                                                                                                      |          | 240 F     | fine, blue           | 7,000 – 10,000  | 50                                                                                  | 42761384 | CD VRH 38 A 240 F |
| 50                                                                                                   | A        | 100 G     | coarse, yellow-brown | 5,500 – 7,500   | 50                                                                                  | 42761501 | CD VRH 50 A 100 G |
|                                                                                                      |          | 180 M     | medium, red-brown    | 5,500 – 7,500   | 50                                                                                  | 42761502 | CD VRH 50 A 180 M |

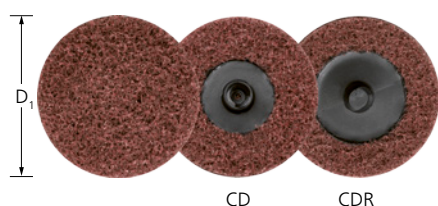
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| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Version              | Opt. RPM      |  | Item no. | Designation       |
|------------------------|----------|-----------|----------------------|---------------|-----------------------------------------------------------------------------------|----------|-------------------|
| 50                     | A        | 240 F     | fine, blue           | 5,500 – 7,500 | 50                                                                                | 42761504 | CD VRH 50 A 240 F |
| 75                     | A        | 100 G     | coarse, yellow-brown | 3,800 – 5,000 | 25                                                                                | 42761751 | CD VRH 75 A 100 G |
|                        |          | 180 M     | medium, red-brown    | 3,800 – 5,000 | 25                                                                                | 42761752 | CD VRH 75 A 180 M |
|                        |          | 240 F     | fine, blue           | 3,800 – 5,000 | 25                                                                                | 42761754 | CD VRH 75 A 240 F |

#### CDR system

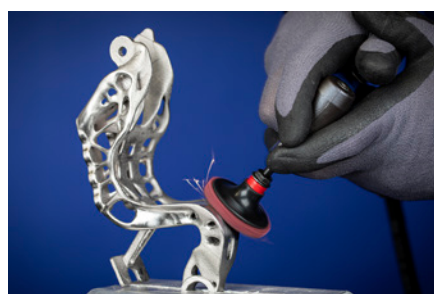


|    |   |       |                      |                |    |          |                    |
|----|---|-------|----------------------|----------------|----|----------|--------------------|
| 38 | A | 100 G | coarse, yellow-brown | 7,000 – 10,000 | 50 | 42781381 | CDR VRH 38 A 100 G |
|    |   | 180 M | medium, red-brown    | 7,000 – 10,000 | 50 | 42781382 | CDR VRH 38 A 180 M |
|    |   | 240 F | fine, blue           | 7,000 – 10,000 | 50 | 42781384 | CDR VRH 38 A 240 F |
| 50 | A | 100 G | coarse, yellow-brown | 5,500 – 7,500  | 50 | 42781501 | CDR VRH 50 A 100 G |
|    |   | 180 M | medium, red-brown    | 5,500 – 7,500  | 50 | 42781502 | CDR VRH 50 A 180 M |
|    |   | 240 F | fine, blue           | 5,500 – 7,500  | 50 | 42781504 | CDR VRH 50 A 240 F |
| 75 | A | 100 G | coarse, yellow-brown | 3,800 – 5,000  | 25 | 42781751 | CDR VRH 75 A 100 G |
|    |   | 180 M | medium, red-brown    | 3,800 – 5,000  | 25 | 42781752 | CDR VRH 75 A 180 M |
|    |   | 240 F | fine, blue           | 3,800 – 5,000  | 25 | 42781754 | CDR VRH 75 A 240 F |



#### Soft type VRW

Suitable for very fine grinding on small and medium-sized surfaces and contours, and for cleaning metal and painted surfaces. Achieve matt and satin-finished surfaces. Highly open structure.



#### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Version | Opt. RPM |  | Item no. | Designation |
|------------------------|----------|-----------|---------|----------|-------------------------------------------------------------------------------------|----------|-------------|
|------------------------|----------|-----------|---------|----------|-------------------------------------------------------------------------------------|----------|-------------|

#### CD system



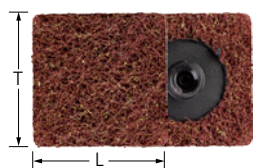
|    |   |     |           |                |    |          |                 |
|----|---|-----|-----------|----------------|----|----------|-----------------|
| 38 | A | 100 | medium    | 7,000 – 10,000 | 50 | 47201079 | CD VRW 38 A 100 |
|    |   | 180 | fine      | 7,000 – 10,000 | 50 | 47201070 | CD VRW 38 A 180 |
|    |   | 280 | very fine | 7,000 – 10,000 | 50 | 47201071 | CD VRW 38 A 280 |
| 50 | A | 100 | medium    | 5,500 – 7,500  | 50 | 42760502 | CD VRW 50 A 100 |
|    |   | 180 | fine      | 5,500 – 7,500  | 50 | 42760503 | CD VRW 50 A 180 |
|    |   | 280 | very fine | 5,500 – 7,500  | 50 | 42760504 | CD VRW 50 A 280 |
| 75 | A | 100 | medium    | 3,800 – 5,000  | 25 | 42760752 | CD VRW 75 A 100 |
|    |   | 180 | fine      | 3,800 – 5,000  | 25 | 42760753 | CD VRW 75 A 180 |
|    |   | 280 | very fine | 3,800 – 5,000  | 25 | 42760754 | CD VRW 75 A 280 |

#### CDR system



|    |   |     |           |               |    |          |                  |
|----|---|-----|-----------|---------------|----|----------|------------------|
| 50 | A | 100 | medium    | 5,500 – 7,500 | 50 | 42780502 | CDR VRW 50 A 100 |
|    |   | 180 | fine      | 5,500 – 7,500 | 50 | 42780503 | CDR VRW 50 A 180 |
|    |   | 280 | very fine | 5,500 – 7,500 | 50 | 42780504 | CDR VRW 50 A 280 |
| 75 | A | 100 | medium    | 3,800 – 5,000 | 25 | 42780752 | CDR VRW 75 A 100 |
|    |   | 180 | fine      | 3,800 – 5,000 | 25 | 42780753 | CDR VRW 75 A 180 |
|    |   | 280 | very fine | 3,800 – 5,000 | 25 | 42780754 | CDR VRW 75 A 280 |





## Soft type VRW for linear grinding

Suitable for very fine grinding on small and medium-sized surfaces and contours, and for cleaning metal and painted surfaces. Achieve matt and satin-finished surfaces with a linear surface finish. Highly open structure.

### Special features:

- High economic efficiency as tool can be changed quickly. Please order necessary abrasive disc holder separately.
- Very comfortable due to smooth running and very precise working.
- No disruptions in use due to adhesion, slipping or coming loose.

| L<br>[mm]                                                                                          | T<br>[mm] | Abrasive | Grit size | Version |  | Item no. | Designation           |
|----------------------------------------------------------------------------------------------------|-----------|----------|-----------|---------|-----------------------------------------------------------------------------------|----------|-----------------------|
| <b>CD system</b>  |           |          |           |         |                                                                                   |          |                       |
| 35                                                                                                 | 35        | A        | 100       | coarse  | 50                                                                                | 42780499 | CD VRW SQ 35x35 A 100 |
|                                                                                                    |           |          | 180       | medium  | 50                                                                                | 42780500 | CD VRW SQ 35x35 A 180 |
|                                                                                                    |           |          | 280       | fine    | 50                                                                                | 42780501 | CD VRW SQ 35x35 A 280 |



## PNER type

For achieving a very fine, uniform surface finish which, depending on requirements, is a sufficient preparation for high-gloss polishing. Particularly suitable for work on small and medium-sized surfaces on stainless steel (INOX) components.



### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm]                                                                        | Version          | Abrasive | Grit size  | Opt. RPM | Max. RPM |  | Item no. | Designation           |
|-----------------------------------------------------------------------------------------------|------------------|----------|------------|----------|----------|-------------------------------------------------------------------------------------|----------|-----------------------|
| CD system  |                  |          |            |          |          |                                                                                     |          |                       |
| 50                                                                                            | W (soft)         | A        | G (coarse) | 9,500    | 19,100   | 25                                                                                  | 42759021 | CD PNER-W 5006 A G    |
|                                                                                               |                  | SiC      | F (fine)   | 9,500    | 19,100   | 25                                                                                  | 42759024 | CD PNER-W 5006 SiC F  |
|                                                                                               | MH (medium-hard) | A        | F (fine)   | 9,500    | 19,100   | 25                                                                                  | 42759102 | CD PNER-MH 5006 A F   |
|                                                                                               |                  |          | G (coarse) | 9,500    | 19,100   | 25                                                                                  | 47700204 | CD PNER-MH 5006 A G   |
|                                                                                               |                  | SiC      | F (fine)   | 9,500    | 19,100   | 25                                                                                  | 42759104 | CD PNER-MH 5006 SiC F |
|                                                                                               |                  |          |            |          |          |                                                                                     |          |                       |
|                                                                                               | H (hard)         | A        | G (coarse) | 9,500    | 19,100   | 25                                                                                  | 42759141 | CD PNER-H 5006 A G    |
|                                                                                               |                  |          | F (fine)   | 9,500    | 19,100   | 25                                                                                  | 42759142 | CD PNER-H 5006 A F    |
| 75                                                                                            | W (soft)         | A        | G (coarse) | 6,400    | 12,500   | 25                                                                                  | 42759031 | CD PNER-W 7506 A G    |
|                                                                                               |                  | SiC      | F (fine)   | 6,400    | 12,500   | 25                                                                                  | 42759034 | CD PNER-W 7506 SiC F  |
|                                                                                               | MH (medium-hard) | A        | F (fine)   | 6,400    | 12,500   | 25                                                                                  | 42759112 | CD PNER-MH 7506 A F   |
|                                                                                               |                  |          | G (coarse) | 6,400    | 12,500   | 25                                                                                  | 47700205 | CD PNER-MH 7506 A G   |
|                                                                                               |                  | SiC      | F (fine)   | 6,400    | 12,500   | 25                                                                                  | 42759114 | CD PNER-MH 7506 SiC F |
|                                                                                               |                  |          |            |          |          |                                                                                     |          |                       |
|                                                                                               | H (hard)         | A        | G (coarse) | 6,400    | 12,500   | 25                                                                                  | 42759151 | CD PNER-H 7506 A G    |
|                                                                                               |                  |          | F (fine)   | 6,400    | 12,500   | 25                                                                                  | 42759152 | CD PNER-H 7506 A F    |

| CDR system |                  |     |  |       |        |    |          |                        |
|------------|------------------|-----|-------------------------------------------------------------------------------------|-------|--------|----|----------|------------------------|
| 50         | W (soft)         | A   | G (coarse)                                                                          | 9,500 | 19,100 | 25 | 42779021 | CDR PNER-W 5006 A G    |
|            |                  | SiC | F (fine)                                                                            | 9,500 | 19,100 | 25 | 42779024 | CDR PNER-W 5006 SiC F  |
|            | MH (medium-hard) | A   | F (fine)                                                                            | 9,500 | 19,100 | 25 | 42779102 | CDR PNER-MH 5006 A F   |
|            |                  |     | G (coarse)                                                                          | 9,500 | 19,100 | 25 | 47700206 | CDR PNER-MH 5006 A G   |
|            | H (hard)         | SiC | F (fine)                                                                            | 9,500 | 19,100 | 25 | 42779104 | CDR PNER-MH 5006 SiC F |
|            |                  | A   | G (coarse)                                                                          | 9,500 | 19,100 | 25 | 42779141 | CDR PNER-H 5006 A G    |

Continued on next page

| D <sub>1</sub><br>[mm] | Version          | Abrasive | Grit size  | Opt. RPM | Max. RPM |  | Item no. | Designation            |
|------------------------|------------------|----------|------------|----------|----------|-----------------------------------------------------------------------------------|----------|------------------------|
| 50                     | H (hard)         | A        | F (fine)   | 9,500    | 19,100   | 25                                                                                | 42779142 | CDR PNER-H 5006 A F    |
| 75                     | W (soft)         | A        | G (coarse) | 6,400    | 12,500   | 25                                                                                | 42779031 | CDR PNER-W 7506 A G    |
|                        |                  | SiC      | F (fine)   | 6,400    | 12,500   | 25                                                                                | 42779034 | CDR PNER-W 7506 SiC F  |
|                        | MH (medium-hard) | A        | F (fine)   | 6,400    | 12,500   | 25                                                                                | 42779112 | CDR PNER-MH 7506 A F   |
|                        |                  |          | G (coarse) | 6,400    | 12,500   | 25                                                                                | 47700207 | CDR PNER-MH 7506 A G   |
|                        |                  | SiC      | F (fine)   | 6,400    | 12,500   | 25                                                                                | 42779114 | CDR PNER-MH 7506 SiC F |
|                        | H (hard)         | A        | G (coarse) | 6,400    | 12,500   | 25                                                                                | 42779151 | CDR PNER-H 7506 A G    |
|                        |                  |          | F (fine)   | 6,400    | 12,500   | 25                                                                                | 42779152 | CDR PNER-H 7506 A F    |

## Felt discs CD, CDR



### FR version

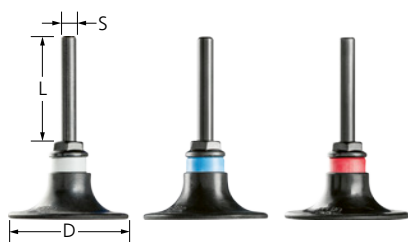
Suitable for polishing with polishing paste bars, grinding pastes or diamond polishing pastes in face-down grinding on small and medium-sized surfaces.



#### Special features:

- Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.
- High economic efficiency as tool can be changed quickly thanks to innovative COMBIDISC clamping system. Please order abrasive disc holder separately.

| D <sub>1</sub><br>[mm]                                                                                | Opt. RPM      |  | Item no. | Designation |
|-------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|----------|-------------|
| <b>CD system</b>   |               |                                                                                     |          |             |
| 50                                                                                                    | 2,000 – 4,000 | 10                                                                                  | 42770050 | CD FR 50    |
| 75                                                                                                    | 1,200 – 2,500 | 10                                                                                  | 42770075 | CD FR 75    |
| <b>CDR system</b>  |               |                                                                                     |          |             |
| 50                                                                                                    | 2,000 – 4,000 | 10                                                                                  | 42003050 | CDR FR 50   |
| 75                                                                                                    | 1,200 – 2,500 | 10                                                                                  | 42003075 | CDR FR 75   |



## SBH, SBHR types

Matching arbors for COMBIDISC grinding tools.

### Special features:

- High economic efficiency as tool can be changed quickly. Very comfortable due to ease of use and low-vibration working.
- No disruptions in use due to adhesion, slipping or coming loose.

| D<br>[mm] | S<br>[mm] | L<br>[mm] | Hardness | Max. RPM |  | Item no. | Designation |
|-----------|-----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|-------------|
|-----------|-----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|-------------|

### CD system

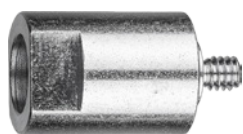


|    |   |    |            |        |   |          |          |
|----|---|----|------------|--------|---|----------|----------|
| 20 | 6 | 40 | M (medium) | 47,500 | 1 | 42721202 | SBH 20 M |
| 25 | 6 | 40 | M (medium) | 38,000 | 1 | 42721252 | SBH 25 M |
| 38 | 6 | 40 | W (soft)   | 25,000 | 1 | 42721383 | SBH 38 W |
|    |   |    | M (medium) | 25,000 | 1 | 42721382 | SBH 38 M |
|    |   |    | H (hard)   | 25,000 | 1 | 42721381 | SBH 38 H |
| 50 | 6 | 40 | W (soft)   | 19,000 | 1 | 42721503 | SBH 50 W |
|    |   |    | M (medium) | 19,000 | 1 | 42721502 | SBH 50 M |
|    |   |    | H (hard)   | 19,000 | 1 | 42721501 | SBH 50 H |
| 75 | 6 | 40 | W (soft)   | 12,500 | 1 | 42721753 | SBH 75 W |
|    |   |    | M (medium) | 12,500 | 1 | 42721752 | SBH 75 M |
|    |   |    | H (hard)   | 12,500 | 1 | 42721751 | SBH 75 H |

### CDR system



|    |   |    |            |        |   |          |           |
|----|---|----|------------|--------|---|----------|-----------|
| 20 | 6 | 40 | M (medium) | 47,500 | 1 | 42721212 | SBHR 20 M |
| 25 | 6 | 40 | M (medium) | 38,000 | 1 | 42721262 | SBHR 25 M |
| 38 | 6 | 40 | W (soft)   | 25,000 | 1 | 42721393 | SBHR 38 W |
|    |   |    | M (medium) | 25,000 | 1 | 42721392 | SBHR 38 M |
|    |   |    | H (hard)   | 25,000 | 1 | 42721391 | SBHR 38 H |
| 50 | 6 | 40 | W (soft)   | 19,000 | 1 | 42721513 | SBHR 50 W |
|    |   |    | M (medium) | 19,000 | 1 | 42721512 | SBHR 50 M |
|    |   |    | H (hard)   | 19,000 | 1 | 42721511 | SBHR 50 H |
| 75 | 6 | 40 | W (soft)   | 12,500 | 1 | 42721763 | SBHR 75 W |
|    |   |    | M (medium) | 12,500 | 1 | 42721762 | SBHR 75 M |
|    |   |    | H (hard)   | 12,500 | 1 | 42721761 | SBHR 75 H |



## Adapter for drives with M14 spindle

The shank of the abrasive disc holders can be replaced by this adapter. AF M5 CD 1/4-20 UNC, male thread M5, male thread 1/4-20 UNC.

### Special features:

- Suitable for drives with M14 spindle.
- With the adapter, the abrasive disc holder can be mounted directly to the drive spindle of the tool drive.

| Female thread | External thread |  | Item no. | Designation  |
|---------------|-----------------|-------------------------------------------------------------------------------------|----------|--------------|
| M14           | 1/4-20 UNC      | 1                                                                                   | 84205010 | AF 14-1/4 CD |



### 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 drive.
- Suitable for drives with spindle 1/4- 20 UNC, e.g. for PW 3/120 DH.

| Suitable for |  | Item no. | Designation         |
|--------------|-----------------------------------------------------------------------------------|----------|---------------------|
| 1/4-20 UNC   | 1                                                                                 | 87100727 | SPV20 CD 1/4-20 UNC |



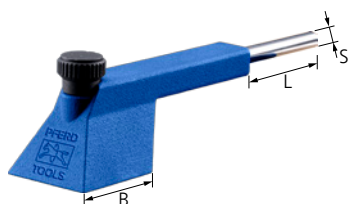
### Adapter for cordless angle grinder dia. 75 mm with M5 spindle

The shank of the abrasive disc holders can be replaced by this adapter. AF M5 CD 1/4-20 UNC, male thread M5, male thread 1/4-20 UNC.

**Special features:**

- Suitable for cordless angle grinder dia. 75 mm with M5 spindle (female thread).

| Suitable for                                        |  | Item no. | Designation         |
|-----------------------------------------------------|-----------------------------------------------------------------------------------|----------|---------------------|
| Cordless angle grinder with SBH/SBHR 20, 25, 38, 50 | 1                                                                                 | 84205030 | AF M5 CD 1/4-20 UNC |



### Abrasive disc holder for linear grinding

The abrasive disc holder for linear grinding is suitable for use on an air-powered filing machine with square abrasive discs.

**Special features:**

- High economic efficiency as tool can be changed quickly.
- No disruptions in use due to adhesion, slipping or coming loose.
- Very comfortable due to smooth running and very precise working.

| B [mm] | S [mm] | L [mm] |  | Item no. | Designation   |
|--------|--------|--------|-------------------------------------------------------------------------------------|----------|---------------|
| 35     | 6      | 45     | 1                                                                                   | 42723535 | CD H SQ 35x35 |

## COMBIDISC set



### COMBIDISC set

Set of various COMBIDISC tools.

**Contents:**

Three each of the following COMBIDISC abrasive discs with abrasive and grit size: A FORTE 60, A FORTE 120, A COOL 60, CO-COOL 36, z 60, three each of the following COMBIDISC non-woven discs: VRH A 180 M, VRW A 100 and one abrasive disc holder SBH M.

**Special features:**

- Ideal selection for completing a variety of tasks and getting to know the system.
- Coordinated selection of the most common versions.

| Diameter [mm] |  | Item no. | Designation      |
|---------------|-------------------------------------------------------------------------------------|----------|------------------|
| 50            | 1                                                                                   | 42790050 | COMBIDISC SET 50 |
| 75            | 1                                                                                   | 42790075 | COMBIDISC SET 75 |

### The quick way to find the perfect tool

| Abrasive ▶                |                                             |                                                                                                                                                                                 | Rec. cutting speeds for short and long belts [m/s] | Aluminium oxide A | Aluminium oxide A, compact grain | Zircon Z | Aluminium oxide A-COOL | Ceramic oxide grain CO | Ceramic oxide grain CO-COOL | VICTOGRAIN-COOL | Non-woven material | Felt |
|---------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------|----------------------------------|----------|------------------------|------------------------|-----------------------------|-----------------|--------------------|------|
| Material group ▼          |                                             |                                                                                                                                                                                 |                                                    |                   |                                  |          |                        |                        |                             |                 |                    |      |
| Steel, cast steel         | Non-hardened, non-heat-treated steels       | Construction steels, carbon steels, tool steels, non-alloyed steels, cast steel                                                                                                 | 25–35                                              | ●                 |                                  | ○        |                        | ●                      |                             | ●               | ●                  | ●    |
|                           | Hardened, heat-treated steels               | Tool steels, tempering steels, alloyed steels, cast steel                                                                                                                       | 20–30                                              | ○                 | ●                                | ●        |                        | ●                      |                             | ●               | ○                  | ●    |
| Stainless steel (INOX)    | Rust and acid-resistant steels              | Austenitic and ferritic stainless steels                                                                                                                                        | 15–25                                              |                   | ●                                | ○        | ●                      |                        | ●                           | ●               | ●                  | ●    |
| Non-ferrous metals        | Soft non-ferrous metals, non-ferrous metals | Soft aluminium alloys                                                                                                                                                           | 30–40                                              | ○                 |                                  |          | ●                      |                        | ○                           |                 | ●                  | ●    |
|                           |                                             | Brass, copper, zinc                                                                                                                                                             |                                                    | ●                 |                                  | ○        |                        | ○                      |                             |                 | ●                  | ●    |
|                           | Hard non-ferrous metals                     | Hard aluminium alloys                                                                                                                                                           | 20–30                                              | ●                 |                                  | ○        |                        | ○                      |                             |                 | ●                  | ●    |
|                           |                                             | Bronze, titanium                                                                                                                                                                |                                                    |                   |                                  | ○        |                        | ○                      | ●                           | ●               | ●                  | ●    |
|                           | High-temperature-resistant materials        | Nickel-based and cobalt-based alloys                                                                                                                                            | 5–15                                               |                   |                                  | ○        |                        | ○                      | ●                           | ●               | ●                  | ●    |
| 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) | 25–35                                              | ●                 |                                  | ○        |                        | ●                      |                             |                 | ●                  |      |
| Plastics, other materials |                                             | Fibre-reinforced plastics, thermoplastics, wood, chipboard, paint                                                                                                               | 10–25                                              | ●                 |                                  |          |                        |                        |                             |                 | ●                  | ●    |

● = highly suitable ○ = suitable

### 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](http://www.pferd.com).



Wear eye protection!



Wear hearing protection!



Wear gloves!



Wear a dust mask!



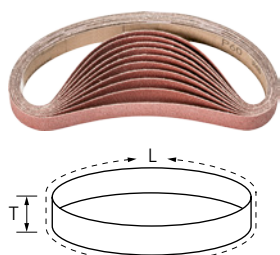
Follow the safety instructions!



Not permitted for wet grinding!







### Aluminium oxide A version

For general applications from coarse to fine grinding.



#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- Consistent results through very good grain adhesion.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Acc. to ISO |  | Item no. | Designation       |
|-----------|-----------|----------|-----------|-------------|-----------------------------------------------------------------------------------|----------|-------------------|
| 305       | 3         | A        | 60        | -           | 100                                                                               | 45001953 | BA 3/305 T A 60   |
|           |           |          | 120       | -           | 100                                                                               | 45001955 | BA 3/305 T A 120  |
|           | 6         | A        | 60        | -           | 100                                                                               | 45001983 | BA 6/305 T A 60   |
|           |           |          | 80        | -           | 100                                                                               | 45001984 | BA 6/305 T A 80   |
|           |           |          | 180       | -           | 100                                                                               | 45001987 | BA 6/305 T A 180  |
|           |           |          |           |             |                                                                                   |          |                   |
|           | 9         | A        | 60        | -           | 100                                                                               | 45002223 | BA 9/305 T A 60   |
|           |           |          | 80        | -           | 100                                                                               | 45002224 | BA 9/305 T A 80   |
|           |           |          | 120       | -           | 100                                                                               | 45002225 | BA 9/305 T A 120  |
|           |           |          | 180       | -           | 100                                                                               | 45002227 | BA 9/305 T A 180  |
|           | 12        | A        | 40        | -           | 100                                                                               | 45002331 | BA 12/305 X A 40  |
|           |           |          | 60        | -           | 100                                                                               | 45002333 | BA 12/305 T A 60  |
|           |           |          | 80        | -           | 100                                                                               | 45002334 | BA 12/305 T A 80  |
|           |           |          | 120       | -           | 100                                                                               | 45002335 | BA 12/305 T A 120 |
|           |           |          | 180       | -           | 100                                                                               | 45002337 | BA 12/305 T A 180 |
| 330       | 10        | A        | 60        | ISO 2976    | 100                                                                               | 45002236 | BA 10/330 T A 60  |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45002238 | BA 10/330 T A 80  |
|           |           |          | 120       | ISO 2976    | 100                                                                               | 45002242 | BA 10/330 T A 120 |
|           |           |          | 180       | ISO 2976    | 100                                                                               | 45002248 | BA 10/330 T A 180 |
| 450       | 35        | A        | 60        | -           | 20                                                                                | 45005206 | BA 35/450 X A 60  |
|           |           |          | 100       | -           | 20                                                                                | 45005210 | BA 35/450 X A 100 |
|           |           |          | 240       | -           | 20                                                                                | 45005224 | BA 35/450 X A 240 |
|           |           |          | 320       | -           | 20                                                                                | 45005232 | BA 35/450 X A 320 |
|           | 50        | A        | 40        | ISO 2976    | 20                                                                                | 45005404 | BA 50/450 X A 40  |
|           |           |          | 60        | ISO 2976    | 20                                                                                | 45005406 | BA 50/450 X A 60  |
|           |           |          | 100       | ISO 2976    | 20                                                                                | 45005410 | BA 50/450 X A 100 |
|           |           |          | 240       | ISO 2976    | 20                                                                                | 45005424 | BA 50/450 X A 240 |
| 457       | 13        | A        | 40        | ISO 2976    | 100                                                                               | 45002624 | BA 13/457 X A 40  |
|           |           |          | 60        | ISO 2976    | 100                                                                               | 45002626 | BA 13/457 T A 60  |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45002628 | BA 13/457 T A 80  |
|           |           |          | 120       | ISO 2976    | 100                                                                               | 45002632 | BA 13/457 T A 120 |
| 480       | 20        | A        | 40        | ISO 2976    | 10                                                                                | 45004904 | BA 20/480 X A 40  |
|           |           |          | 50        | ISO 2976    | 10                                                                                | 45002905 | BA 20/480 T A 50  |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45002906 | BA 20/480 T A 60  |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45002908 | BA 20/480 T A 80  |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45002912 | BA 20/480 T A 120 |
|           |           |          | 180       | ISO 2976    | 10                                                                                | 45002918 | BA 20/480 T A 180 |
|           |           |          | 240       | ISO 2976    | 10                                                                                | 45002924 | BA 20/480 T A 240 |
| 520       | 3         | A        | 60        | -           | 100                                                                               | 45001973 | BA 3/520 T A 60   |
|           |           |          | 80        | -           | 100                                                                               | 45001974 | BA 3/520 T A 80   |
|           |           |          | 120       | -           | 100                                                                               | 45001975 | BA 3/520 T A 120  |
|           |           |          | 180       | -           | 100                                                                               | 45001977 | BA 3/520 T A 180  |
|           |           |          | 240       | -           | 100                                                                               | 45001978 | BA 3/520 T A 240  |

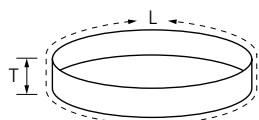
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| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Acc. to ISO |  | Item no. | Designation        |
|-----------|-----------|----------|-----------|-------------|-----------------------------------------------------------------------------------|----------|--------------------|
| 520       | 6         | A        | 40        | ISO 2976    | 100                                                                               | 45004104 | BA 6/520 X A 40    |
|           |           |          | 60        | ISO 2976    | 100                                                                               | 45002106 | BA 6/520 J A 60    |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45002108 | BA 6/520 J A 80    |
|           |           |          | 120       | ISO 2976    | 100                                                                               | 45002112 | BA 6/520 J A 120   |
|           |           |          | 180       | ISO 2976    | 100                                                                               | 45002118 | BA 6/520 T A 180   |
|           |           |          | 240       | ISO 2976    | 100                                                                               | 45002124 | BA 6/520 T A 240   |
|           |           |          | 400       | ISO 2976    | 100                                                                               | 45002140 | BA 6/520 T A 400   |
|           | 12        | A        | 40        | -           | 100                                                                               | 45004504 | BA 12/520 X A 40   |
|           |           |          | 60        | -           | 100                                                                               | 45002506 | BA 12/520 J A 60   |
|           |           |          | 80        | -           | 100                                                                               | 45002508 | BA 12/520 J A 80   |
|           |           |          | 120       | -           | 100                                                                               | 45002512 | BA 12/520 J A 120  |
|           |           |          | 180       | -           | 100                                                                               | 45002518 | BA 12/520 T A 180  |
|           |           |          | 240       | -           | 100                                                                               | 45002524 | BA 12/520 T A 240  |
|           |           |          | 320       | -           | 100                                                                               | 45002532 | BA 12/520 T A 320  |
|           |           |          | 400       | -           | 100                                                                               | 45002540 | BA 12/520 T A 400  |
|           | 16        | A        | 40        | ISO 2976    | 50                                                                                | 45004804 | BA 16/520 X A 40   |
|           |           |          | 60        | ISO 2976    | 50                                                                                | 45002806 | BA 16/520 T A 60   |
|           |           |          | 80        | ISO 2976    | 50                                                                                | 45002808 | BA 16/520 T A 80   |
|           |           |          | 120       | ISO 2976    | 50                                                                                | 45002812 | BA 16/520 T A 120  |
|           |           |          | 180       | ISO 2976    | 50                                                                                | 45002818 | BA 16/520 T A 180  |
|           | 20        | A        | 40        | ISO 2976    | 20                                                                                | 45005004 | BA 20/520 X A 40   |
|           |           |          | 60        | ISO 2976    | 20                                                                                | 45003006 | BA 20/520 T A 60   |
|           |           |          | 80        | ISO 2976    | 20                                                                                | 45003008 | BA 20/520 T A 80   |
|           |           |          | 120       | ISO 2976    | 20                                                                                | 45003012 | BA 20/520 T A 120  |
|           |           |          | 180       | ISO 2976    | 20                                                                                | 45003018 | BA 20/520 T A 180  |
| 533       | 30        | A        | 40        | -           | 20                                                                                | 45005142 | BA 30/533 X A 40   |
|           |           |          | 60        | -           | 20                                                                                | 45005146 | BA 30/533 X A 60   |
|           |           |          | 80        | -           | 20                                                                                | 45005148 | BA 30/533 X A 80   |
|           |           |          | 120       | -           | 20                                                                                | 45005152 | BA 30/533 X A 120  |
|           |           |          | 180       | -           | 20                                                                                | 45005118 | BA 30/533 T A 180  |
|           |           |          | 240       | -           | 20                                                                                | 45005124 | BA 30/533 T A 240  |
|           |           |          | 320       | -           | 20                                                                                | 45005132 | BA 30/533 T A 320  |
|           | 75        | A        | 40        | ISO 2976    | 10                                                                                | 45001104 | BA 75/533 X A 40   |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45001106 | BA 75/533 X A 60   |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45001108 | BA 75/533 X A 80   |
|           |           |          | 100       | ISO 2976    | 10                                                                                | 45001110 | BA 75/533 X A 100  |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45001112 | BA 75/533 X A 120  |
| 610       | 12        | A        | 40        | ISO 2976    | 100                                                                               | 45004604 | BA 12/610 X A 40   |
|           |           |          | 60        | ISO 2976    | 100                                                                               | 45002606 | BA 12/610 J A 60   |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45002608 | BA 12/610 J A 80   |
|           |           |          | 120       | ISO 2976    | 100                                                                               | 45002612 | BA 12/610 J A 120  |
|           | 30        | A        | 40        | -           | 10                                                                                | 45005153 | BA 30/610 X A 40   |
|           |           |          | 60        | -           | 10                                                                                | 45005154 | BA 30/610 X A 60   |
|           |           |          | 80        | -           | 10                                                                                | 45005155 | BA 30/610 X A 80   |
|           |           |          | 120       | -           | 10                                                                                | 45005156 | BA 30/610 X A 120  |
|           |           |          | 180       | -           | 10                                                                                | 45005157 | BA 30/610 T A 180  |
|           |           |          | 240       | -           | 10                                                                                | 45005158 | BA 30/610 T A 240  |
|           | 100       | A        | 40        | ISO 2976    | 10                                                                                | 45001304 | BA 100/610 X A 40  |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45001306 | BA 100/610 X A 60  |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45001308 | BA 100/610 X A 80  |
|           |           |          | 100       | ISO 2976    | 10                                                                                | 45001310 | BA 100/610 X A 100 |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45001312 | BA 100/610 X A 120 |
| 760       | 40        | A        | 40        | -           | 10                                                                                | 45000205 | BA 40/760 A 40     |

Continued on next page



| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Acc. to ISO |  | Item no. | Designation        |
|-----------|-----------|----------|-----------|-------------|-----------------------------------------------------------------------------------|----------|--------------------|
| 760       | 40        | A        | 60        | -           | 10                                                                                | 45000206 | BA 40/760 A 60     |
|           |           |          | 80        | -           | 10                                                                                | 45000207 | BA 40/760 A 80     |
|           |           |          | 120       | -           | 10                                                                                | 45000208 | BA 40/760 A 120    |
| 820       | 40        | A        | 40        | -           | 10                                                                                | 45000220 | BA 40/820 A 40     |
|           |           |          | 60        | -           | 10                                                                                | 45000221 | BA 40/820 A 60     |
|           |           |          | 80        | -           | 10                                                                                | 45000222 | BA 40/820 A 80     |
|           |           |          | 120       | -           | 10                                                                                | 45000223 | BA 40/820 A 120    |
| 920       | 100       | A        | 40        | -           | 10                                                                                | 45005864 | BA 100/920 X A 40  |
|           |           |          | 60        | -           | 10                                                                                | 45005866 | BA 100/920 X A 60  |
|           |           |          | 80        | -           | 10                                                                                | 45005868 | BA 100/920 X A 80  |
|           |           |          | 120       | -           | 10                                                                                | 45005872 | BA 100/920 X A 120 |



### Aluminium oxide A compact grain version

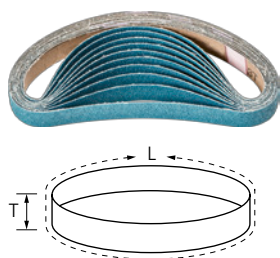
Outstandingly suited to fine and very fine grinding, and for step-by-step preparations for polishing. The self-sharpening compact grain facilitates a very long tool life and achieves consistent surface quality levels throughout the entire tool life.

#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.

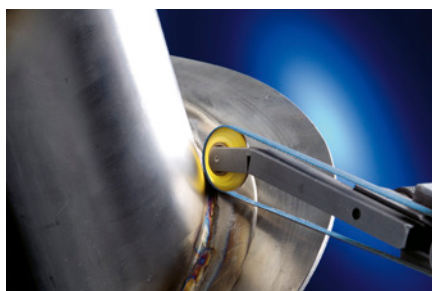
- Consistent results through very good grain adhesion.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size |  | Item no. | Designation        |
|-----------|-----------|----------|-----------|-------------------------------------------------------------------------------------|----------|--------------------|
| 760       | 40        | A-CK     | 120       | 10                                                                                  | 45000209 | BA 40/760 A 120 CK |
|           |           |          | 180       | 10                                                                                  | 45000210 | BA 40/760 A 180 CK |
|           |           |          | 240       | 10                                                                                  | 45000211 | BA 40/760 A 240 CK |
|           |           |          | 320       | 10                                                                                  | 45000212 | BA 40/760 A 320 CK |
|           |           |          | 400       | 10                                                                                  | 45000213 | BA 40/760 A 400 CK |
|           |           |          | 600       | 10                                                                                  | 45000214 | BA 40/760 A 600 CK |
| 820       | 40        | A-CK     | 120       | 10                                                                                  | 45000224 | BA 40/820 A 120 CK |
|           |           |          | 180       | 10                                                                                  | 45000225 | BA 40/820 A 180 CK |
|           |           |          | 240       | 10                                                                                  | 45000226 | BA 40/820 A 240 CK |
|           |           |          | 320       | 10                                                                                  | 45000227 | BA 40/820 A 320 CK |
|           |           |          | 400       | 10                                                                                  | 45000228 | BA 40/820 A 400 CK |
|           |           |          | 600       | 10                                                                                  | 45000229 | BA 40/820 A 600 CK |



### Zirconia alumina Z version

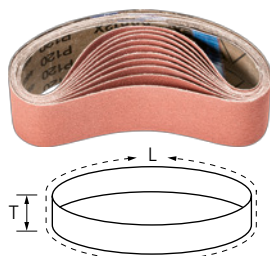
For coarse grinding work with a high stock removal rate and a long tool life.



#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- Consistent results through very good grain adhesion.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Acc. to ISO |  | Item no. | Designation      |
|-----------|-----------|----------|-----------|-------------|-----------------------------------------------------------------------------------|----------|------------------|
| 330       | 10        | Z        | 40        | ISO 2976    | 100                                                                               | 45007904 | BA 10/330 T Z 40 |
|           |           |          | 60        | ISO 2976    | 100                                                                               | 45007906 | BA 10/330 T Z 60 |
|           | 12        | Z        | 60        | ISO 2976    | 100                                                                               | 45007926 | BA 12/330 T Z 60 |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45007928 | BA 12/330 T Z 80 |
| 520       | 12        | Z        | 40        | ISO 2976    | 100                                                                               | 45009104 | BA 12/520 X Z 40 |
|           |           |          | 60        | ISO 2976    | 100                                                                               | 45008106 | BA 12/520 T Z 60 |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45008108 | BA 12/520 T Z 80 |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45008108 | BA 12/520 T Z 80 |
|           | 20        | Z        | 36        | ISO 2976    | 20                                                                                | 45009402 | BA 20/520 X Z 36 |
|           |           |          | 40        | ISO 2976    | 20                                                                                | 45009404 | BA 20/520 X Z 40 |
|           |           |          | 60        | ISO 2976    | 20                                                                                | 45008406 | BA 20/520 T Z 60 |
|           |           |          | 80        | ISO 2976    | 20                                                                                | 45009408 | BA 20/520 T Z 80 |
| 610       | 12        | Z        | 40        | ISO 2976    | 100                                                                               | 45009204 | BA 12/610 X Z 40 |
|           |           |          | 60        | ISO 2976    | 100                                                                               | 45008206 | BA 12/610 T Z 60 |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45008208 | BA 12/610 T Z 80 |



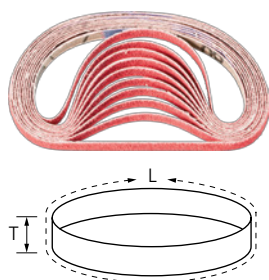
### Aluminium oxide A-COOL version

For general grinding work from fine to very fine grinding on materials which do not conduct heat well, e.g. stainless steel (INOX). Active grinding additives substantially improve the stock removal rate, prevent clogging and result in cooler grinding.

#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- Consistent results through very good grain adhesion.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Acc. to ISO |  | Item no. | Designation          |
|-----------|-----------|----------|-----------|-------------|-------------------------------------------------------------------------------------|----------|----------------------|
| 450       | 50        | A-COOL   | 80        | ISO 2976    | 20                                                                                  | 45007208 | BA 50/450 A-COOL 80  |
|           |           |          | 120       | ISO 2976    | 20                                                                                  | 45007212 | BA 50/450 A-COOL 120 |
|           |           |          | 180       | ISO 2976    | 20                                                                                  | 45007218 | BA 50/450 A-COOL 180 |



### Ceramic oxide grain CO-COOL version

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 economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- Consistent results through very good grain adhesion.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Acc. to ISO |  | Item no. | Designation           |
|-----------|-----------|----------|-----------|-------------|-----------------------------------------------------------------------------------|----------|-----------------------|
| 305       | 6         | CO-COOL  | 40        | -           | 100                                                                               | 45020001 | BA 6/305 CO-COOL 40   |
|           |           |          | 60        | -           | 100                                                                               | 45020003 | BA 6/305 CO-COOL 60   |
|           |           |          | 80        | -           | 100                                                                               | 45020004 | BA 6/305 CO-COOL 80   |
|           |           |          | 120       | -           | 100                                                                               | 45020005 | BA 6/305 CO-COOL 120  |
|           | 9         | CO-COOL  | 40        | ISO 2976    | 100                                                                               | 45020031 | BA 9/305 CO-COOL 40   |
|           |           |          | 60        | ISO 2976    | 100                                                                               | 45020033 | BA 9/305 CO-COOL 60   |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45020034 | BA 9/305 CO-COOL 80   |
|           |           |          | 120       | ISO 2976    | 100                                                                               | 45020035 | BA 9/305 CO-COOL 120  |
|           | 12        | CO-COOL  | 40        | -           | 100                                                                               | 45020051 | BA 12/305 CO-COOL 40  |
|           |           |          | 60        | -           | 100                                                                               | 45020053 | BA 12/305 CO-COOL 60  |
|           |           |          | 80        | -           | 100                                                                               | 45020054 | BA 12/305 CO-COOL 80  |
|           |           |          | 120       | -           | 100                                                                               | 45020055 | BA 12/305 CO-COOL 120 |
| 330       | 10        | CO-COOL  | 40        | ISO 2976    | 100                                                                               | 45020041 | BA 10/330 CO-COOL 40  |
|           |           |          | 60        | ISO 2976    | 100                                                                               | 45020043 | BA 10/330 CO-COOL 60  |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45020044 | BA 10/330 CO-COOL 80  |
|           |           |          | 120       | ISO 2976    | 100                                                                               | 45020045 | BA 10/330 CO-COOL 120 |
|           | 12        | CO-COOL  | 40        | ISO 2976    | 100                                                                               | 45020061 | BA 12/330 CO-COOL 40  |
|           |           |          | 60        | ISO 2976    | 100                                                                               | 45020063 | BA 12/330 CO-COOL 60  |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45020064 | BA 12/330 CO-COOL 80  |
|           |           |          | 120       | ISO 2976    | 100                                                                               | 45020065 | BA 12/330 CO-COOL 120 |
| 450       | 35        | CO-COOL  | 40        | -           | 20                                                                                | 45020171 | BA 35/450 CO-COOL 40  |
|           |           |          | 60        | -           | 20                                                                                | 45020173 | BA 35/450 CO-COOL 60  |
|           |           |          | 80        | -           | 20                                                                                | 45020174 | BA 35/450 CO-COOL 80  |
|           |           |          | 120       | -           | 20                                                                                | 45020175 | BA 35/450 CO-COOL 120 |
|           | 50        | CO-COOL  | 40        | ISO 2976    | 20                                                                                | 45020181 | BA 50/450 CO-COOL 40  |
|           |           |          | 60        | ISO 2976    | 20                                                                                | 45020183 | BA 50/450 CO-COOL 60  |
|           |           |          | 80        | ISO 2976    | 20                                                                                | 45020184 | BA 50/450 CO-COOL 80  |
|           |           |          | 120       | ISO 2976    | 20                                                                                | 45020185 | BA 50/450 CO-COOL 120 |
| 457       | 13        | CO-COOL  | 40        | ISO 2976    | 100                                                                               | 45020091 | BA 13/457 CO-COOL 40  |
|           |           |          | 60        | ISO 2976    | 100                                                                               | 45020093 | BA 13/457 CO-COOL 60  |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45020094 | BA 13/457 CO-COOL 80  |
|           |           |          | 120       | ISO 2976    | 100                                                                               | 45020095 | BA 13/457 CO-COOL 120 |
| 480       | 16        | CO-COOL  | 40        | ISO 2976    | 50                                                                                | 45020101 | BA 16/480 CO-COOL 40  |
|           |           |          | 60        | ISO 2976    | 50                                                                                | 45020103 | BA 16/480 CO-COOL 60  |
|           |           |          | 80        | ISO 2976    | 50                                                                                | 45020104 | BA 16/480 CO-COOL 80  |
|           |           |          | 120       | ISO 2976    | 50                                                                                | 45020105 | BA 16/480 CO-COOL 120 |
|           | 20        | CO-COOL  | 40        | ISO 2976    | 20                                                                                | 45020121 | BA 20/480 CO-COOL 40  |
|           |           |          | 60        | ISO 2976    | 20                                                                                | 45020123 | BA 20/480 CO-COOL 60  |
|           |           |          | 80        | ISO 2976    | 20                                                                                | 45020124 | BA 20/480 CO-COOL 80  |
|           |           |          | 120       | ISO 2976    | 20                                                                                | 45020125 | BA 20/480 CO-COOL 120 |

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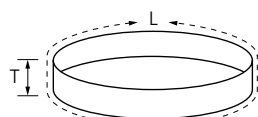


| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Acc. to ISO |  | Item no. | Designation           |
|-----------|-----------|----------|-----------|-------------|-----------------------------------------------------------------------------------|----------|-----------------------|
| 480       | 25        | CO-COOL  | 40        | ISO 2976    | 20                                                                                | 45020141 | BA 25/480 CO-COOL 40  |
|           |           |          | 60        | ISO 2976    | 20                                                                                | 45020143 | BA 25/480 CO-COOL 60  |
|           |           |          | 80        | ISO 2976    | 20                                                                                | 45020144 | BA 25/480 CO-COOL 80  |
|           |           |          | 120       | ISO 2976    | 20                                                                                | 45020145 | BA 25/480 CO-COOL 120 |
| 520       | 6         | CO-COOL  | 40        | ISO 2976    | 100                                                                               | 45020011 | BA 6/520 CO-COOL 40   |
|           |           |          | 60        | ISO 2976    | 100                                                                               | 45020013 | BA 6/520 CO-COOL 60   |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45020014 | BA 6/520 CO-COOL 80   |
|           |           |          | 120       | ISO 2976    | 100                                                                               | 45020015 | BA 6/520 CO-COOL 120  |
|           | 12        | CO-COOL  | 40        | ISO 2976    | 100                                                                               | 45020071 | BA 12/520 CO-COOL 40  |
|           |           |          | 60        | ISO 2976    | 100                                                                               | 45020073 | BA 12/520 CO-COOL 60  |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45020074 | BA 12/520 CO-COOL 80  |
|           |           |          | 120       | ISO 2976    | 100                                                                               | 45020075 | BA 12/520 CO-COOL 120 |
|           | 16        | CO-COOL  | 40        | ISO 2976    | 50                                                                                | 45020111 | BA 16/520 CO-COOL 40  |
|           |           |          | 60        | ISO 2976    | 50                                                                                | 45020113 | BA 16/520 CO-COOL 60  |
|           |           |          | 80        | ISO 2976    | 50                                                                                | 45020114 | BA 16/520 CO-COOL 80  |
|           |           |          | 120       | ISO 2976    | 50                                                                                | 45020115 | BA 16/520 CO-COOL 120 |
|           | 20        | CO-COOL  | 40        | ISO 2976    | 20                                                                                | 45020131 | BA 20/520 CO-COOL 40  |
|           |           |          | 60        | ISO 2976    | 20                                                                                | 45020133 | BA 20/520 CO-COOL 60  |
|           |           |          | 80        | ISO 2976    | 20                                                                                | 45020134 | BA 20/520 CO-COOL 80  |
|           |           |          | 120       | ISO 2976    | 20                                                                                | 45020135 | BA 20/520 CO-COOL 120 |
| 533       | 30        | CO-COOL  | 40        | -           | 20                                                                                | 45020151 | BA 30/533 CO-COOL 40  |
|           |           |          | 60        | -           | 20                                                                                | 45020153 | BA 30/533 CO-COOL 60  |
|           |           |          | 80        | -           | 20                                                                                | 45020154 | BA 30/533 CO-COOL 80  |
|           |           |          | 120       | -           | 20                                                                                | 45020155 | BA 30/533 CO-COOL 120 |
| 610       | 6         | CO-COOL  | 40        | ISO 2976    | 100                                                                               | 45020021 | BA 6/610 CO-COOL 40   |
|           |           |          | 60        | ISO 2976    | 100                                                                               | 45020023 | BA 6/610 CO-COOL 60   |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45020024 | BA 6/610 CO-COOL 80   |
|           |           |          | 120       | ISO 2976    | 100                                                                               | 45020025 | BA 6/610 CO-COOL 120  |
|           | 12        | CO-COOL  | 40        | ISO 2976    | 100                                                                               | 45020081 | BA 12/610 CO-COOL 40  |
|           |           |          | 60        | ISO 2976    | 100                                                                               | 45020083 | BA 12/610 CO-COOL 60  |
|           |           |          | 80        | ISO 2976    | 100                                                                               | 45020084 | BA 12/610 CO-COOL 80  |
|           |           |          | 120       | ISO 2976    | 100                                                                               | 45020085 | BA 12/610 CO-COOL 120 |
|           | 30        | CO-COOL  | 40        | -           | 10                                                                                | 45020161 | BA 30/610 CO-COOL 40  |
|           |           |          | 60        | -           | 10                                                                                | 45020163 | BA 30/610 CO-COOL 60  |
|           |           |          | 80        | -           | 10                                                                                | 45020164 | BA 30/610 CO-COOL 80  |
|           |           |          | 120       | -           | 10                                                                                | 45020165 | BA 30/610 CO-COOL 120 |
| 760       | 40        | CO-COOL  | 40        | -           | 10                                                                                | 45000201 | BA 40/760 CO-COOL 40  |
|           |           |          | 60        | -           | 10                                                                                | 45000202 | BA 40/760 CO-COOL 60  |
|           |           |          | 80        | -           | 10                                                                                | 45000203 | BA 40/760 CO-COOL 80  |
|           |           |          | 120       | -           | 10                                                                                | 45000204 | BA 40/760 CO-COOL 120 |
| 820       | 40        | CO-COOL  | 40        | -           | 10                                                                                | 45000216 | BA 40/820 CO-COOL 40  |
|           |           |          | 60        | -           | 10                                                                                | 45000217 | BA 40/820 CO-COOL 60  |
|           |           |          | 80        | -           | 10                                                                                | 45000218 | BA 40/820 CO-COOL 80  |
|           |           |          | 120       | -           | 10                                                                                | 45000219 | BA 40/820 CO-COOL 120 |



# Flexible abrasives

## Short belts BA



### VICTOGRAIN-COOL version

For maximum aggressive grinding with an extremely long tool life, the ultimate stock removal rate and consistently high performance on steel and hard materials which do not conduct heat well. Active grinding additives in the coating prevent clogging and result in cooler grinding.

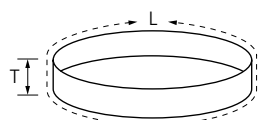


#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- Consistent results through very good grain adhesion.

| L<br>[mm] | T<br>[mm] | Abrasive        | Grit size | Acc. to ISO |  | Item no. | Designation                  |
|-----------|-----------|-----------------|-----------|-------------|-----------------------------------------------------------------------------------|----------|------------------------------|
| 450       | 50        | VICTOGRAIN-COOL | 36        | ISO 2976    | 10                                                                                | 45001175 | BA 50/450 VICTOGRAIN-COOL 36 |
| 760       | 40        | VICTOGRAIN-COOL | 36        | ISO 2976    | 10                                                                                | 45000200 | BA 40/760 VICTOGRAIN-COOL 36 |
| 820       | 40        | VICTOGRAIN-COOL | 36        | ISO 2976    | 10                                                                                | 45000215 | BA 40/820 VICTOGRAIN-COOL 36 |

## Short belts VB



### Non-woven version

Suitable 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:

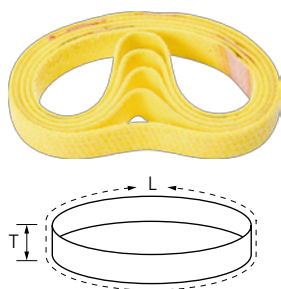
- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- Consistent results through very good grain adhesion.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Version              |  | Item no. | Designation       |
|-----------|-----------|----------|-----------|----------------------|-------------------------------------------------------------------------------------|----------|-------------------|
| 305       | 6         | A        | 100 G     | coarse, yellow-brown | 10                                                                                  | 45010610 | VB 6/305 A 100 G  |
|           |           |          | 180 M     | medium, red-brown    | 10                                                                                  | 45010618 | VB 6/305 A 180 M  |
|           |           |          | 240 F     | fine, blue           | 10                                                                                  | 45010624 | VB 6/305 A 240 F  |
|           | 9         | A        | 100 G     | coarse, yellow-brown | 10                                                                                  | 45010710 | VB 9/305 A 100 G  |
|           |           |          | 180 M     | medium, red-brown    | 10                                                                                  | 45010718 | VB 9/305 A 180 M  |
|           |           |          | 240 F     | fine, blue           | 10                                                                                  | 45010724 | VB 9/305 A 240 F  |
|           | 12        | A        | 100 G     | coarse, yellow-brown | 10                                                                                  | 45010810 | VB 12/305 A 100 G |
|           |           |          | 180 M     | medium, red-brown    | 10                                                                                  | 45010818 | VB 12/305 A 180 M |
|           |           |          | 240 F     | fine, blue           | 10                                                                                  | 45010824 | VB 12/305 A 240 F |
| 450       | 35        | A        | 100 G     | coarse, yellow-brown | 10                                                                                  | 45011410 | VB 35/450 A 100 G |
|           |           |          | 180 M     | medium, red-brown    | 10                                                                                  | 45011418 | VB 35/450 A 180 M |
|           |           |          | 240 F     | fine, blue           | 10                                                                                  | 45011424 | VB 35/450 A 240 F |
|           | 50        | A        | 100 G     | coarse, yellow-brown | 10                                                                                  | 45011510 | VB 50/450 A 100 G |
|           |           |          | 180 M     | medium, red-brown    | 10                                                                                  | 45011518 | VB 50/450 A 180 M |
|           |           |          | 240 F     | fine, blue           | 10                                                                                  | 45011524 | VB 50/450 A 240 F |
| 520       | 6         | A        | 100 G     | coarse, yellow-brown | 10                                                                                  | 45011010 | VB 6/520 A 100 G  |
|           |           |          | 180 M     | medium, red-brown    | 10                                                                                  | 45011018 | VB 6/520 A 180 M  |

Continued on next page

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Version              |  | Item no. | Designation       |
|-----------|-----------|----------|-----------|----------------------|-----------------------------------------------------------------------------------|----------|-------------------|
| 520       | 6         | A        | 240 F     | fine, blue           | 10                                                                                | 45011024 | VB 6/520 A 240 F  |
|           |           |          | 100 G     | coarse, yellow-brown | 10                                                                                | 45011110 | VB 12/520 A 100 G |
|           |           |          | 180 M     | medium, red-brown    | 10                                                                                | 45011118 | VB 12/520 A 180 M |
|           | 12        | A        | 240 F     | fine, blue           | 10                                                                                | 45011124 | VB 12/520 A 240 F |
|           |           |          | 100 G     | coarse, yellow-brown | 10                                                                                | 45011210 | VB 16/520 A 100 G |
|           |           |          | 180 M     | medium, red-brown    | 10                                                                                | 45011218 | VB 16/520 A 180 M |
|           | 16        | A        | 240 F     | fine, blue           | 10                                                                                | 45011224 | VB 16/520 A 240 F |
|           |           |          | 100 G     | coarse, yellow-brown | 5                                                                                 | 45011310 | VB 20/520 A 100 G |
|           |           |          | 180 M     | medium, red-brown    | 5                                                                                 | 45011318 | VB 20/520 A 180 M |
| 533       | 30        | A        | 240 F     | fine, blue           | 5                                                                                 | 45011324 | VB 20/520 A 240 F |
|           |           |          | 100 G     | coarse, yellow-brown | 5                                                                                 | 45010910 | VB 30/533 A 100 G |
|           |           |          | 180 M     | medium, red-brown    | 5                                                                                 | 45010918 | VB 30/533 A 180 M |
| 610       | 6         | A        | 240 F     | fine, blue           | 5                                                                                 | 45010924 | VB 30/533 A 240 F |
|           |           |          | 100 G     | coarse, yellow-brown | 10                                                                                | 45011810 | VB 6/610 A 100 G  |
|           |           |          | 180 M     | medium, red-brown    | 10                                                                                | 45011818 | VB 6/610 A 180 M  |
|           | 12        | A        | 240 F     | fine, blue           | 10                                                                                | 45011824 | VB 6/610 A 240 F  |
|           |           |          | 100 G     | coarse, yellow-brown | 10                                                                                | 45011910 | VB 12/610 A 100 G |
|           |           |          | 180 M     | medium, red-brown    | 10                                                                                | 45011918 | VB 12/610 A 180 M |
|           | 30        | A        | 240 F     | fine, blue           | 10                                                                                | 45011924 | VB 12/610 A 240 F |
|           |           |          | 100 G     | coarse, yellow-brown | 5                                                                                 | 45011350 | VB 30/610 A 100 G |
|           |           |          | 180 M     | medium, red-brown    | 5                                                                                 | 45011351 | VB 30/610 A 180 M |
| 760       | 40        | A        | 240 F     | fine, blue           | 5                                                                                 | 45011352 | VB 30/610 A 240 F |
|           |           |          | 100 G     | coarse, yellow-brown | 5                                                                                 | 45000230 | VB 40/760 A 100 G |
|           |           |          | 180 M     | medium, red-brown    | 5                                                                                 | 45000231 | VB 40/760 A 180 M |
| 820       | 40        | A        | 240 F     | fine, blue           | 5                                                                                 | 45000232 | VB 40/760 A 240 F |
|           |           |          | 100 G     | coarse, yellow-brown | 5                                                                                 | 45000234 | VB 40/820 A 100 G |
|           |           |          | 180 M     | medium, red-brown    | 5                                                                                 | 45000235 | VB 40/820 A 180 M |
|           |           |          | 240 F     | fine, blue           | 5                                                                                 | 45000236 | VB 40/820 A 240 F |

## Short belts P-BA



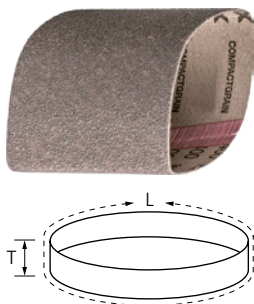
### Felt version

Suitable for polishing with polishing paste bars and grinding pastes on tubular constructions and railings.

#### Special features:

- High economic efficiency due to long tool life.
- High tear strength with optimum flexibility.
- Consistent results through very good polishing agent adhesion.

| L<br>[mm] | T<br>[mm] |  | Item no. | Designation |
|-----------|-----------|-------------------------------------------------------------------------------------|----------|-------------|
| 533       | 30        | 5                                                                                   | 45008501 | P-BA 30/533 |
| 610       | 30        | 5                                                                                   | 45008502 | P-BA 30/610 |
| 760       | 40        | 5                                                                                   | 45000233 | P-BA 40/760 |
| 820       | 40        | 5                                                                                   | 45000237 | P-BA 40/820 |



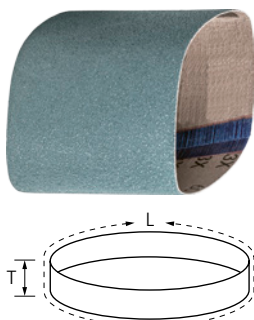
### Aluminium oxide A compact grain version

Outstandingly suited to fine and very fine grinding, and for step-by-step preparations for polishing. The self-sharpening compact grain facilitates a very long tool life and achieves consistent surface quality levels throughout the entire tool life.

#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- The rubber tube of the drum yields under higher contact pressure, meaning the abrasive belt adapts very well to the surface of the workpiece.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size |  | Item no. | Designation          |
|-----------|-----------|----------|-----------|-----------------------------------------------------------------------------------|----------|----------------------|
| 282       | 100       | A-CK     | 120       | 5                                                                                 | 45001158 | BA 100/282 A 120 CK  |
|           |           |          | 180       | 5                                                                                 | 45001160 | BA 100/282 A 180 CK  |
|           |           |          | 240       | 5                                                                                 | 45001162 | BA 100/282 A 240 CK  |
|           |           |          | 320       | 5                                                                                 | 45001164 | BA 100/282 A 320 CK  |
|           |           |          | 400       | 5                                                                                 | 45001166 | BA 100/282 A 400 CK  |
|           |           |          | 600       | 5                                                                                 | 45001168 | BA 100/282 A 600 CK  |
|           |           |          | 800       | 5                                                                                 | 45001170 | BA 100/282 A 800 CK  |
|           |           |          | 1000      | 5                                                                                 | 45001172 | BA 100/282 A 1000 CK |
|           |           |          | 1200      | 5                                                                                 | 45001174 | BA 100/282 A 1200 CK |



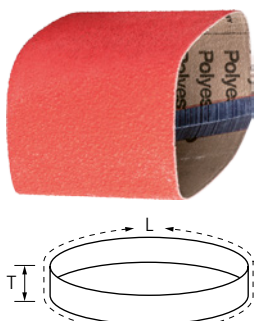
### Zirconia alumina Z version

For coarse grinding work with a high stock removal rate and a long tool life.

#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- The rubber tube of the drum yields under higher contact pressure, meaning the abrasive belt adapts very well to the surface of the workpiece.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size |  | Item no. | Designation     |
|-----------|-----------|----------|-----------|-------------------------------------------------------------------------------------|----------|-----------------|
| 282       | 100       | Z        | 40        | 5                                                                                   | 45001152 | BA 100/282 Z 40 |
|           |           |          | 60        | 5                                                                                   | 45001154 | BA 100/282 Z 60 |
|           |           |          | 80        | 5                                                                                   | 45001156 | BA 100/282 Z 80 |



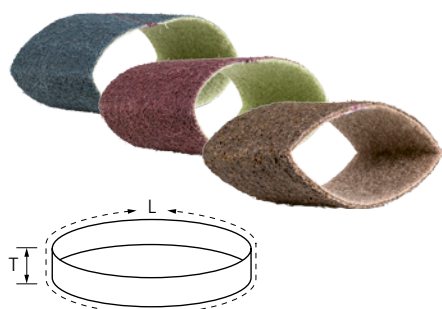
### Ceramic oxide grain CO-COOL version

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 economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- The rubber tube of the drum yields under higher contact pressure, meaning the abrasive belt adapts very well to the surface of the workpiece.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size |  | Item no. | Designation            |
|-----------|-----------|----------|-----------|-------------------------------------------------------------------------------------|----------|------------------------|
| 282       | 100       | CO-COOL  | 40        | 5                                                                                   | 45001150 | BA 100/282 CO-COOL 40  |
|           |           |          | 60        | 5                                                                                   | 47501880 | BA 100/282 CO-COOL 60  |
|           |           |          | 80        | 5                                                                                   | 47501885 | BA 100/282 CO-COOL 80  |
|           |           |          | 120       | 5                                                                                   | 47501881 | BA 100/282 CO-COOL 120 |



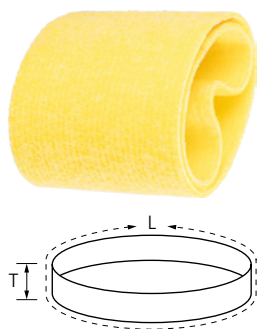
### Non-woven version

Suitable for general work on surfaces such as metal structures, e.g. removing rough grinding traces, removing oxidation and light deburring work. Achieve matt and satin-finished surfaces.

#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- The rubber tube of the drum yields under higher contact pressure, meaning the non-woven belt adapts very well to the surface of the workpiece.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Version              |  | Item no. | Designation        |
|-----------|-----------|----------|-----------|----------------------|-----------------------------------------------------------------------------------|----------|--------------------|
| 282       | 100       | A        | 100 G     | coarse, yellow-brown | 2                                                                                 | 45011707 | VB 100/282 A 100 G |
|           |           |          | 180 M     | medium, red-brown    | 2                                                                                 | 45011708 | VB 100/282 A 180 M |
|           |           |          | 240 F     | fine, blue           | 2                                                                                 | 45011709 | VB 100/282 A 240 F |



### Felt version

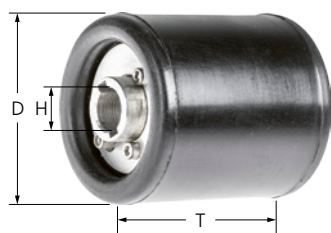
Suitable for polishing with polishing paste bars and grinding pastes on large surfaces.

#### Special features:

- High economic efficiency through very good polishing agent adhesion.
- High tear strength with optimum flexibility.
- The rubber tube of the drum yields under higher contact pressure, meaning the polishing belt adapts very well to the surface of the workpiece.

| L<br>[mm] | T<br>[mm] |  | Item no. | Designation  |
|-----------|-----------|-------------------------------------------------------------------------------------|----------|--------------|
| 282       | 100       | 2                                                                                   | 45008503 | P-BA 100/282 |

## Pneumatic drum



### 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.

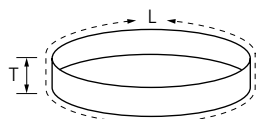
#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- The rubber tube of the drum yields under higher contact pressure, meaning the abrasive, non-woven or polishing belt adapts very well to the surface of the workpiece.

| Suitable for short belts<br>[mm] | D<br>[mm] | T<br>[mm] | H<br>[mm] | Max. RPM |  | Item no. | Designation |
|----------------------------------|-----------|-----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-------------|
| 282 x 100                        | 90        | 100       | 19        | 3,800    | 1                                                                                   | 42100100 | PSW 90x100  |







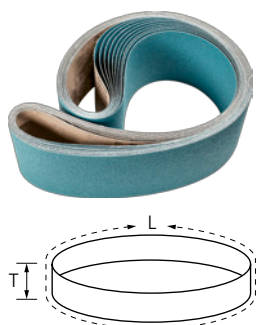
### Aluminium oxide A version

For general applications from coarse to fine grinding.

#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- Consistent results through very good grain adhesion.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Acc. to ISO |  | Item no. | Designation         |
|-----------|-----------|----------|-----------|-------------|-----------------------------------------------------------------------------------|----------|---------------------|
| 1,000     | 50        | A        | 60        | ISO 2976    | 10                                                                                | 45005556 | BA 50/1000 X A 60   |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45005558 | BA 50/1000 X A 80   |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45005562 | BA 50/1000 X A 120  |
|           | 100       | A        | 40        | ISO 2976    | 10                                                                                | 45005904 | BA 100/1000 X A 40  |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45005906 | BA 100/1000 X A 60  |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45005908 | BA 100/1000 X A 80  |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45005912 | BA 100/1000 X A 120 |
| 2,000     | 50        | A        | 40        | ISO 2976    | 10                                                                                | 45005604 | BA 50/2000 X A 40   |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45005606 | BA 50/2000 X A 60   |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45005608 | BA 50/2000 X A 80   |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45005612 | BA 50/2000 X A 120  |
|           | 75        | A        | 36        | ISO 2976    | 10                                                                                | 45005703 | BA 75/2000 X A 36   |
|           |           |          | 40        | ISO 2976    | 10                                                                                | 45005704 | BA 75/2000 X A 40   |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45005706 | BA 75/2000 X A 60   |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45005708 | BA 75/2000 X A 80   |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45005712 | BA 75/2000 X A 120  |
|           | 150       | A        | 36        | ISO 2976    | 10                                                                                | 45006003 | BA 150/2000 X A 36  |
|           |           |          | 40        | ISO 2976    | 10                                                                                | 45006004 | BA 150/2000 X A 40  |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45006006 | BA 150/2000 X A 60  |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45006008 | BA 150/2000 X A 80  |
| 2,500     | 75        | A        | 36        | ISO 2976    | 10                                                                                | 45005803 | BA 75/2500 X A 36   |
|           |           |          | 40        | ISO 2976    | 10                                                                                | 45005804 | BA 75/2500 X A 40   |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45005806 | BA 75/2500 X A 60   |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45005808 | BA 75/2500 X A 80   |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45005812 | BA 75/2500 X A 120  |



### Zirconia alumina Z version

For coarse grinding work with a high stock removal rate and a long tool life.

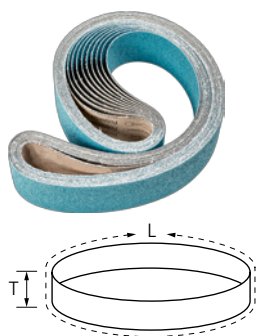


#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- Consistent results through very good grain adhesion.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Acc. to ISO |  | Item no. | Designation         |
|-----------|-----------|----------|-----------|-------------|-----------------------------------------------------------------------------------|----------|---------------------|
| 1,000     | 100       | Z        | 40        | ISO 2976    | 10                                                                                | 45009804 | BA 100/1000 X Z 40  |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45009806 | BA 100/1000 X Z 60  |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45009808 | BA 100/1000 X Z 80  |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45009812 | BA 100/1000 X Z 120 |
| 2,000     | 50        | Z        | 24        | ISO 2976    | 10                                                                                | 45009502 | BA 50/2000 X Z 24   |
|           |           |          | 36        | ISO 2976    | 10                                                                                | 45009503 | BA 50/2000 X Z 36   |
|           |           |          | 40        | ISO 2976    | 10                                                                                | 45009504 | BA 50/2000 X Z 40   |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45009506 | BA 50/2000 X Z 60   |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45009508 | BA 50/2000 X Z 80   |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45009512 | BA 50/2000 X Z 120  |
|           | 75        | Z        | 24        | ISO 2976    | 10                                                                                | 45009602 | BA 75/2000 X Z 24   |
|           |           |          | 36        | ISO 2976    | 10                                                                                | 45009603 | BA 75/2000 X Z 36   |
|           |           |          | 40        | ISO 2976    | 10                                                                                | 45009604 | BA 75/2000 X Z 40   |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45009606 | BA 75/2000 X Z 60   |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45009608 | BA 75/2000 X Z 80   |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45009612 | BA 75/2000 X Z 120  |
|           | 150       | Z        | 36        | ISO 2976    | 10                                                                                | 45009903 | BA 150/2000 X Z 36  |
|           |           |          | 40        | ISO 2976    | 10                                                                                | 45009904 | BA 150/2000 X Z 40  |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45009906 | BA 150/2000 X Z 60  |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45009908 | BA 150/2000 X Z 80  |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45009912 | BA 150/2000 X Z 120 |
| 2,250     | 75        | Z        | 40        | ISO 2976    | 10                                                                                | 45009734 | BA 75/2250 X Z 40   |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45009736 | BA 75/2250 X Z 60   |
| 2,500     | 75        | Z        | 36        | ISO 2976    | 10                                                                                | 45009703 | BA 75/2500 X Z 36   |
|           |           |          | 40        | ISO 2976    | 10                                                                                | 45009704 | BA 75/2500 X Z 40   |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45009706 | BA 75/2500 X Z 60   |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45009708 | BA 75/2500 X Z 80   |
|           | 150       | Z        | 36        | ISO 2976    | 10                                                                                | 45009936 | BA 150/2500 X Z 36  |





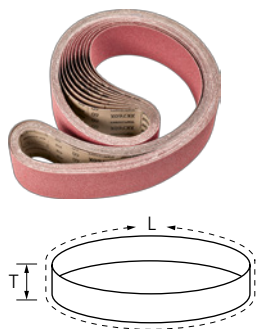
### Zirconia alumina Z-FORTE version

For coarse grinding work with a high stock removal rate and long tool life and very cool grinding. Particularly suitable for work on thin-walled stainless steel (INOX) components and on steels or nickel-based alloys that do not conduct heat well.

#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- Consistent results through very good grain adhesion.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Acc. to ISO |  | Item no. | Designation             |
|-----------|-----------|----------|-----------|-------------|-----------------------------------------------------------------------------------|----------|-------------------------|
| 2,000     | 75        | Z-FORTE  | 36 FORTE  | ISO 2976    | 10                                                                                | 45010063 | BA 75/2000 X Z 36 FORTE |
|           |           |          | 40 FORTE  | ISO 2976    | 10                                                                                | 45010064 | BA 75/2000 X Z 40 FORTE |
|           |           |          | 60 FORTE  | ISO 2976    | 10                                                                                | 45010066 | BA 75/2000 X Z 60 FORTE |
|           |           |          | 80 FORTE  | ISO 2976    | 10                                                                                | 45010068 | BA 75/2000 X Z 80 FORTE |
| 2,500     | 75        | Z-FORTE  | 36 FORTE  | ISO 2976    | 10                                                                                | 45010073 | BA 75/2500 X Z 36 FORTE |



### Ceramic oxide grain CO version

For aggressive grinding with maximum stock removal rate and very long tool life. Consistently high performance due to self-sharpening ceramic oxide grain. The ceramic oxide grain is specifically designed for work on hard materials and layers.



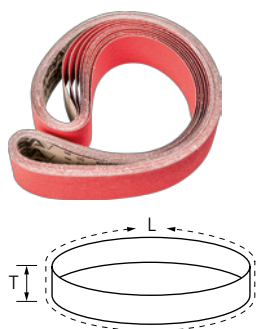
#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- Consistent results through very good grain adhesion.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Acc. to ISO |  | Item no. | Designation         |
|-----------|-----------|----------|-----------|-------------|-------------------------------------------------------------------------------------|----------|---------------------|
| 2,000     | 50        | CO       | 24        | ISO 2976    | 10                                                                                  | 45005620 | BA 50/2000 X CO 24  |
|           |           |          | 36        | ISO 2976    | 10                                                                                  | 45005621 | BA 50/2000 X CO 36  |
|           |           |          | 40        | ISO 2976    | 10                                                                                  | 45005622 | BA 50/2000 X CO 40  |
|           |           |          | 50        | ISO 2976    | 10                                                                                  | 45005623 | BA 50/2000 X CO 50  |
|           |           |          | 60        | ISO 2976    | 10                                                                                  | 45005624 | BA 50/2000 X CO 60  |
|           |           |          | 80        | ISO 2976    | 10                                                                                  | 45005625 | BA 50/2000 X CO 80  |
|           |           |          | 120       | ISO 2976    | 10                                                                                  | 45005626 | BA 50/2000 X CO 120 |
|           | 75        | CO       | 24        | ISO 2976    | 10                                                                                  | 45005720 | BA 75/2000 X CO 24  |
|           |           |          | 36        | ISO 2976    | 10                                                                                  | 45005721 | BA 75/2000 X CO 36  |
|           |           |          | 40        | ISO 2976    | 10                                                                                  | 45005722 | BA 75/2000 X CO 40  |
|           |           |          | 50        | ISO 2976    | 10                                                                                  | 45005723 | BA 75/2000 X CO 50  |
|           |           |          | 60        | ISO 2976    | 10                                                                                  | 45005724 | BA 75/2000 X CO 60  |
|           |           |          | 80        | ISO 2976    | 10                                                                                  | 45005725 | BA 75/2000 X CO 80  |

# Flexible abrasives

## Long belts BA



### Ceramic oxide grain CO-COOL version

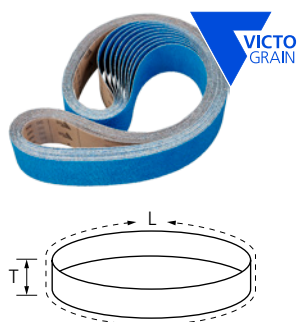
Consistently high performance and aggressive grinding due to self-sharpening ceramic oxide grain. Active grinding additives improve the stock removal rate, prevent clogging and result in cooler grinding on hard materials which do not conduct heat well.



#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- Consistent results through very good grain adhesion.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Acc. to ISO |  | Item no. | Designation              |
|-----------|-----------|----------|-----------|-------------|-----------------------------------------------------------------------------------|----------|--------------------------|
| 2,000     | 50        | CO-COOL  | 36        | ISO 2976    | 10                                                                                | 45005631 | BA 50/2000 X CO-COOL 36  |
|           |           |          | 40        | ISO 2976    | 10                                                                                | 45005632 | BA 50/2000 X CO-COOL 40  |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45005634 | BA 50/2000 X CO-COOL 60  |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45005635 | BA 50/2000 X CO-COOL 80  |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45005636 | BA 50/2000 X CO-COOL 120 |
|           | 75        | CO-COOL  | 36        | ISO 2976    | 10                                                                                | 45005731 | BA 75/2000 X CO-COOL 36  |
|           |           |          | 40        | ISO 2976    | 10                                                                                | 45005732 | BA 75/2000 X CO-COOL 40  |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45005734 | BA 75/2000 X CO-COOL 60  |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45005735 | BA 75/2000 X CO-COOL 80  |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45005736 | BA 75/2000 X CO-COOL 120 |
| 2,500     | 75        | CO-COOL  | 36        | ISO 2976    | 10                                                                                | 45005825 | BA 75/2500 X CO-COOL 36  |
|           |           |          | 40        | ISO 2976    | 10                                                                                | 45005826 | BA 75/2500 X CO-COOL 40  |
|           |           |          | 60        | ISO 2976    | 10                                                                                | 45005828 | BA 75/2500 X CO-COOL 60  |
|           |           |          | 80        | ISO 2976    | 10                                                                                | 45005829 | BA 75/2500 X CO-COOL 80  |
|           |           |          | 120       | ISO 2976    | 10                                                                                | 45005830 | BA 75/2500 X CO-COOL 120 |



### VICTOGRAIN-COOL version

For maximum aggressive grinding with an extremely long tool life, the ultimate stock removal rate and consistently high performance on steel and hard materials which do not conduct heat well. Active grinding additives in the coating prevent clogging and result in cooler grinding.

#### Special features:

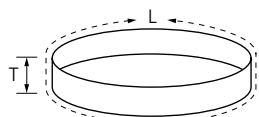
- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.
- Consistent results through very good grain adhesion.

| L<br>[mm] | T<br>[mm] | Abrasive        | Grit size | Acc. to ISO |  | Item no. | Designation                   |
|-----------|-----------|-----------------|-----------|-------------|-------------------------------------------------------------------------------------|----------|-------------------------------|
| 2,000     | 50        | VICTOGRAIN-COOL | 36        | ISO 2976    | 10                                                                                  | 45005637 | BA 50/2000 VICTOGRAIN-COOL 36 |
|           | 75        | VICTOGRAIN-COOL | 36        | ISO 2976    | 10                                                                                  | 45005638 | BA 75/2000 VICTOGRAIN-COOL 36 |
| 2,500     | 75        | VICTOGRAIN-COOL | 36        | ISO 2976    | 10                                                                                  | 45005639 | BA 75/2500 VICTOGRAIN-COOL 36 |



## Flexible abrasives

### Long belts BA



#### Non-woven version

Suitable for general work on metal surfaces in stationary applications, e.g. removing rough grinding traces, removing oxidation and light deburring work. Achieve matt and satin-finished surfaces.

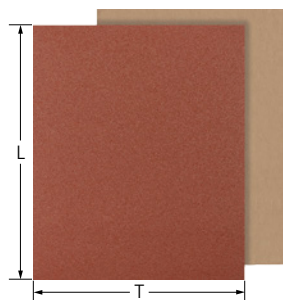
##### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- High tear strength with optimum flexibility.

- Consistent results through very good grain adhesion.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Version              |   | Item no. | Designation        |
|-----------|-----------|----------|-----------|----------------------|---|----------|--------------------|
| 2,000     | 75        | A        | 100 G     | coarse, yellow-brown | 2 | 45011701 | VB 75/2000 A 100 G |
|           |           |          | 180 M     | medium, red-brown    | 2 | 45011702 | VB 75/2000 A 180 M |
|           |           |          | 240 F     | fine, blue           | 2 | 45011703 | VB 75/2000 A 240 F |

## Cloth-backed abrasive sheets BG



#### Aluminium oxide A, brown BR type

The brown cloth-backed variant is suitable for general, heavy-duty use on alloyed and non-alloyed steels, as well as non-ferrous metals.

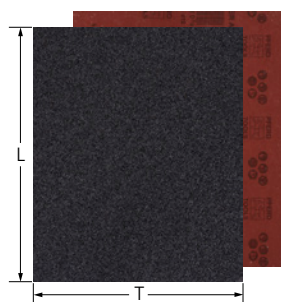


##### Special features:

- Very good grain adhesion on very flexible cloth.
- High abrasive performance.
- Oil and kerosene-resistant.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size |    | Item no. | Designation         |
|-----------|-----------|----------|-----------|----|----------|---------------------|
| 280       | 230       | A        | 40        | 50 | 45013004 | BG BR 230x280 A 40  |
|           |           |          | 60        | 50 | 45013006 | BG BR 230x280 A 60  |
|           |           |          | 80        | 50 | 45013008 | BG BR 230x280 A 80  |
|           |           |          | 100       | 50 | 45013010 | BG BR 230x280 A 100 |
|           |           |          | 120       | 50 | 45013012 | BG BR 230x280 A 120 |
|           |           |          | 150       | 50 | 45013015 | BG BR 230x280 A 150 |
|           |           |          | 180       | 50 | 45013018 | BG BR 230x280 A 180 |
|           |           |          | 220       | 50 | 45013022 | BG BR 230x280 A 220 |
|           |           |          | 240       | 50 | 45013024 | BG BR 230x280 A 240 |
|           |           |          | 280       | 50 | 45013028 | BG BR 230x280 A 280 |
|           |           |          | 320       | 50 | 45013032 | BG BR 230x280 A 320 |
|           |           |          | 400       | 50 | 45013040 | BG BR 230x280 A 400 |
|           |           |          | 444       | 50 | 45013044 | BG BR 230x280 A 444 |





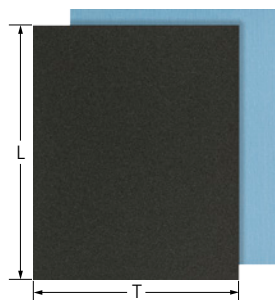
### A, BR ECO aluminium oxide version

The cloth-backed variant is suitable 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<br>[mm] | T<br>[mm] | Abrasive | Grit size |  | Item no.                 | Designation             |
|-----------|-----------|----------|-----------|-----------------------------------------------------------------------------------|--------------------------|-------------------------|
| 280       | 230       | A        | 100       | 50                                                                                | <a href="#">47503622</a> | BG ECO BR 230X280 A 100 |
|           |           |          | 120       | 50                                                                                | <a href="#">47503623</a> | BG ECO BR 230X280 A 120 |
|           |           |          | 150       | 50                                                                                | <a href="#">47503624</a> | BG ECO BR 230X280 A 150 |
|           |           |          | 180       | 50                                                                                | <a href="#">47503625</a> | BG ECO BR 230X280 A 180 |
|           |           |          | 220       | 50                                                                                | <a href="#">47503626</a> | BG ECO BR 230X280 A 220 |
|           |           |          | 240       | 50                                                                                | <a href="#">47503627</a> | BG ECO BR 230X280 A 240 |
|           |           |          | 40        | 50                                                                                | <a href="#">47503619</a> | BG ECO BR 230X280 A 40  |
|           |           |          | 60        | 50                                                                                | <a href="#">47503620</a> | BG ECO BR 230X280 A 60  |
|           |           |          | 80        | 50                                                                                | <a href="#">47503621</a> | BG ECO BR 230X280 A 80  |



### Aluminium oxide A, blue BL type

The blue cloth-backed variant is the low-cost alternative for normal workloads when working on painted wooden and metal surfaces.

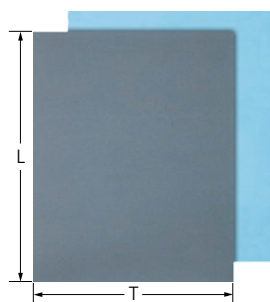


#### Special features:

- Good grain adhesion on sturdy cloth.
- Good abrasive performance.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size |  | Item no.                 | Designation         |
|-----------|-----------|----------|-----------|-------------------------------------------------------------------------------------|--------------------------|---------------------|
| 280       | 230       | A        | 40        | 50                                                                                  | <a href="#">45012004</a> | BG BL 230x280 A 40  |
|           |           |          | 60        | 50                                                                                  | <a href="#">45012006</a> | BG BL 230x280 A 60  |
|           |           |          | 80        | 50                                                                                  | <a href="#">45012008</a> | BG BL 230x280 A 80  |
|           |           |          | 100       | 100                                                                                 | <a href="#">45012010</a> | BG BL 230x280 A 100 |
|           |           |          | 120       | 100                                                                                 | <a href="#">45012012</a> | BG BL 230x280 A 120 |
|           |           |          | 150       | 100                                                                                 | <a href="#">45012015</a> | BG BL 230x280 A 150 |
|           |           |          | 180       | 100                                                                                 | <a href="#">45012018</a> | BG BL 230x280 A 180 |
|           |           |          | 220       | 100                                                                                 | <a href="#">45012022</a> | BG BL 230x280 A 220 |





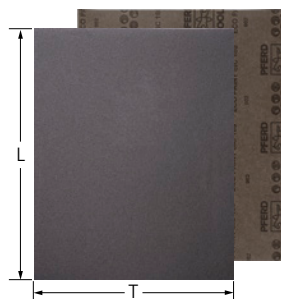
### SiC version, waterproof W

The abrasive material SiC is suitable for use on paint and glass. Particularly suitable for all wet grinding work on conventional painted constructions.

#### Special features:

- Very good grain adhesion on very flexible and light paper.
- Maximum abrasive performance.
- Can be used for wet and dry grinding.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size |  | Item no. | Designation           |
|-----------|-----------|----------|-----------|-----------------------------------------------------------------------------------|----------|-----------------------|
| 280       | 230       | SiC      | 100       | 50                                                                                | 45014010 | BP W 230x280 SiC 100  |
|           |           |          | 120       | 50                                                                                | 45014012 | BP W 230x280 SiC 120  |
|           |           |          | 150       | 50                                                                                | 45014015 | BP W 230x280 SiC 150  |
|           |           |          | 180       | 50                                                                                | 45014018 | BP W 230x280 SiC 180  |
|           |           |          | 220       | 50                                                                                | 45015022 | BP W 230x280 SiC 220  |
|           |           |          | 240       | 50                                                                                | 45015024 | BP W 230x280 SiC 240  |
|           |           |          | 280       | 50                                                                                | 45015028 | BP W 230x280 SiC 280  |
|           |           |          | 320       | 50                                                                                | 45015032 | BP W 230x280 SiC 320  |
|           |           |          | 360       | 50                                                                                | 45015036 | BP W 230x280 SiC 360  |
|           |           |          | 400       | 50                                                                                | 45015040 | BP W 230x280 SiC 400  |
|           |           |          | 500       | 50                                                                                | 45015050 | BP W 230x280 SiC 500  |
|           |           |          | 600       | 50                                                                                | 45015060 | BP W 230x280 SiC 600  |
|           |           |          | 800       | 50                                                                                | 45015080 | BP W 230x280 SiC 800  |
|           |           |          | 1000      | 50                                                                                | 45015100 | BP W 230x280 SiC 1000 |
|           |           |          | 1200      | 50                                                                                | 45015120 | BP W 230x280 SiC 1200 |



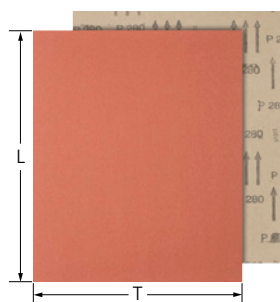
### ECO W version

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:

- Very good grain adhesion on very flexible and light paper.
- Maximum abrasive performance.
- Can be used for wet and dry grinding.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size |  | Item no. | Designation                     |
|-----------|-----------|----------|-----------|-------------------------------------------------------------------------------------|----------|---------------------------------|
| 280       | 230       | SiC      | 60        | 50                                                                                  | 45015254 | BP-W ECO PAINT 230X280 SiC 60   |
|           |           |          | 80        | 50                                                                                  | 45015255 | BP-W ECO PAINT 230X280 SiC 80   |
|           |           |          | 100       | 50                                                                                  | 45015256 | BP-W ECO PAINT 230X280 SiC 100  |
|           |           |          | 120       | 50                                                                                  | 45015257 | BP-W ECO PAINT 230X280 SiC 120  |
|           |           |          | 150       | 50                                                                                  | 45015258 | BP-W ECO PAINT 230X280 SiC 150  |
|           |           |          | 180       | 50                                                                                  | 45015259 | BP-W ECO PAINT 230X280 SiC 180  |
|           |           |          | 220       | 50                                                                                  | 45015260 | BP-W ECO PAINT 230X280 SiC 220  |
|           |           |          | 240       | 50                                                                                  | 45015261 | BP-W ECO PAINT 230X280 SiC 240  |
|           |           |          | 320       | 50                                                                                  | 45015262 | BP-W ECO PAINT 230X280 SiC 320  |
|           |           |          | 400       | 50                                                                                  | 45015263 | BP-W ECO PAINT 230X280 SiC 400  |
|           |           |          | 600       | 50                                                                                  | 45015264 | BP-W ECO PAINT 230X280 SiC 600  |
|           |           |          | 800       | 50                                                                                  | 45015265 | BP-W ECO PAINT 230X280 SiC 800  |
|           |           |          | 1000      | 50                                                                                  | 45015266 | BP-W ECO PAINT 230X280 SiC 1000 |
|           |           |          | 1200      | 50                                                                                  | 45015267 | BP-W ECO PAINT 230X280 SiC 1200 |
|           |           |          | 2000      | 50                                                                                  | 45015268 | BP-W ECO PAINT 230X280 SiC 2000 |



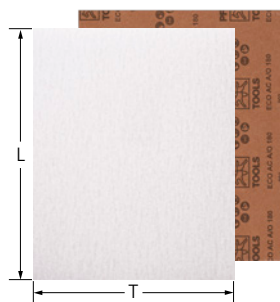
### Aluminium oxide A version

The abrasive material aluminium oxide A 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<br>[mm] | T<br>[mm] | Abrasive | Grit size |  | Item no. | Designation      |
|-----------|-----------|----------|-----------|-----------------------------------------------------------------------------------|----------|------------------|
| 280       | 230       | A        | 40        | 50                                                                                | 45015204 | BP 230x280 A 40  |
|           |           |          | 60        | 50                                                                                | 45015206 | BP 230x280 A 60  |
|           |           |          | 80        | 50                                                                                | 45015208 | BP 230x280 A 80  |
|           |           |          | 100       | 100                                                                               | 45015210 | BP 230x280 A 100 |
|           |           |          | 120       | 100                                                                               | 45015212 | BP 230x280 A 120 |
|           |           |          | 150       | 100                                                                               | 45015215 | BP 230x280 A 150 |
|           |           |          | 180       | 100                                                                               | 45015218 | BP 230x280 A 180 |
|           |           |          | 220       | 100                                                                               | 45015222 | BP 230x280 A 220 |
|           |           |          | 240       | 100                                                                               | 45015224 | BP 230x280 A 240 |
|           |           |          | 280       | 100                                                                               | 45015228 | BP 230x280 A 280 |
|           |           |          | 400       | 100                                                                               | 45015240 | BP 230x280 A 400 |



### ECO AC version

The stearate coating is a non-stick coating (AC) that prevents the abrasive sheets from clogging. The ECO AC version with aluminium oxide A is a low-cost alternative for general grinding work in industry and professional trades.

#### Special features:

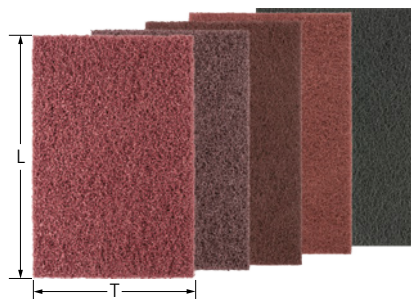
- High abrasive performance through very good grain adhesion.
- The non-stick coating (AC) prevents clogging with low wear.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size |  | Item no. | Designation              |
|-----------|-----------|----------|-----------|-------------------------------------------------------------------------------------|----------|--------------------------|
| 280       | 230       | A        | 60        | 50                                                                                  | 45015241 | BP ECO AC 230X280 A 60   |
|           |           |          | 80        | 50                                                                                  | 45015242 | BP ECO AC 230X280 A 80   |
|           |           |          | 100       | 50                                                                                  | 45015243 | BP ECO AC 230X280 A 100  |
|           |           |          | 120       | 50                                                                                  | 45015244 | BP ECO AC 230X280 A 120  |
|           |           |          | 150       | 50                                                                                  | 45015245 | BP ECO AC 230X280 A 150  |
|           |           |          | 180       | 50                                                                                  | 45015246 | BP ECO AC 230X280 A 180  |
|           |           |          | 220       | 50                                                                                  | 45015247 | BP ECO AC 230X280 A 220  |
|           |           |          | 240       | 50                                                                                  | 45015248 | BP ECO AC 230X280 A 240  |
|           |           |          | 320       | 50                                                                                  | 45015249 | BP ECO AC 230X280 A 320  |
|           |           |          | 400       | 50                                                                                  | 45015250 | BP ECO AC 230X280 A 400  |
|           |           |          | 600       | 50                                                                                  | 45015251 | BP ECO AC 230X280 A 600  |
|           |           |          | 800       | 50                                                                                  | 45015252 | BP ECO AC 230X280 A 800  |
|           |           |          | 1000      | 50                                                                                  | 45015253 | BP ECO AC 230X280 A 1000 |



## Flexible abrasives

### Hand pads



#### POLINOX hand pads PVSK

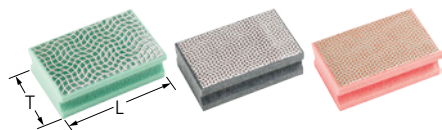
Suitable for very fine grinding on small to large surfaces and contours, and for manually cleaning metal and painted surfaces. Achieve matt and satin-finished surfaces. Highly open structure.



##### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Hard-to-reach areas can be accessed.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size | Colour |  | Item no. | Designation          |
|-----------|-----------|----------|-----------|--------|-----------------------------------------------------------------------------------|----------|----------------------|
| 229       | 150       | A        | 240       | green  | 20                                                                                | 47201628 | PVSK 150 A 280 GREEN |
|           |           |          | -         | white  | 20                                                                                | 47201630 | PVSK 150 WHITE       |
| 225       | 150       | A        | 80        | -      | 10                                                                                | 44697108 | PVSK 150 A 80        |
|           |           |          | 100       | -      | 10                                                                                | 44697110 | PVSK 150 A 100       |
|           |           |          | 180       | -      | 10                                                                                | 44697118 | PVSK 150 A 180       |
|           |           |          | 280       | -      | 10                                                                                | 44697128 | PVSK 150 A 280       |
|           |           | SiC      | 400       | -      | 10                                                                                | 44697640 | PVSK 150 SiC 400     |



#### HP diamond type

Excellent for work on wear-resistant coatings and for hard facings. Particularly recommended for work on materials used for aircraft engine construction. Also ideal for work on extremely hard materials.

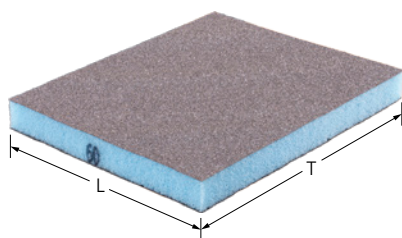
##### Special features:

- Highly flexible, enabling optimal adjustment to the contour. Hard-to-reach areas can be accessed.
- Can be used for wet and dry grinding.

| L<br>[m] | T<br>[mm] | Abrasive | Grit size [µm] |  | Item no. | Designation     |
|----------|-----------|----------|----------------|-------------------------------------------------------------------------------------|----------|-----------------|
| 90       | 55        | DIA      | 76             | 1                                                                                   | 44696013 | HP 5590 DIA 76  |
|          |           |          | 126            | 1                                                                                   | 44696012 | HP 5590 DIA 126 |
|          |           |          | 251            | 1                                                                                   | 44696011 | HP 5590 DIA 251 |

## Flexible abrasives

### Sanding sponges set



#### Aluminium oxide A version

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<br>[mm] | T<br>[mm] | Grinding<br>surfaces | Abrasive | Grit size |  | Item no. | Designation            |
|-----------|-----------|----------------------|----------|-----------|-----------------------------------------------------------------------------------|----------|------------------------|
| 69        | 98        | 4                    | A        | 60        | 5                                                                                 | 44697650 | ASP 69x98x26 4S A 60   |
|           |           |                      |          | 100       | 5                                                                                 | 44697651 | ASP 69x98x26 4S A 100  |
|           |           |                      |          | 180       | 5                                                                                 | 44697652 | ASP 69x98x26 4S A 180  |
| 98        | 120       | 2                    | A        | 60        | 5                                                                                 | 44697653 | ASP 98x120x13 2S A 60  |
|           |           |                      |          | 100       | 5                                                                                 | 44697654 | ASP 98x120x13 2S A 100 |
|           |           |                      |          | 180       | 5                                                                                 | 44697655 | ASP 98x120x13 2S A 180 |

## 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<br>[mm] | Width<br>[mm] | Height<br>[mm] |  | Item no. | Designation          |
|----------------|---------------|----------------|-------------------------------------------------------------------------------------|----------|----------------------|
| 69             | 98            | 26             | 1                                                                                   | 44698010 | SET ASP 69x98x26 4S  |
| 98             | 120           | 13             | 1                                                                                   | 44698011 | SET ASP 98x120x13 2S |







### Cloth, aluminium oxide A type

The cloth-backed variant is suitable for general, heavy-duty use on alloyed and non-alloyed steels, as well as non-ferrous metals. The carton has a tear-off edge for separating the sections of abrasive belt at the workplace.



#### Special features:

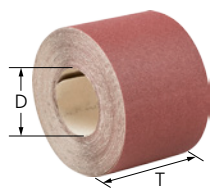
- Highly flexible, enabling optimal adjustment to the contour.
- Little wear due to high tear strength and very good grain adhesion.
- Please order matching shop roll holder separately.

| T<br>[mm] | Length<br>[m] | D<br>[mm] | Abrasive | Grit size |  | Item no. | Designation       |
|-----------|---------------|-----------|----------|-----------|-----------------------------------------------------------------------------------|----------|-------------------|
| 25        | 50            | 75        | A        | 60        | 1                                                                                 | 45016006 | SBR-ER 25X50 A 60 |
|           |               |           |          | 80        | 1                                                                                 | 45016008 | SBR-ER 25X50 A 80 |
|           |               |           |          | 100       | 1                                                                                 | 45016010 | SBR 25 A 100      |
|           |               |           |          | 120       | 1                                                                                 | 45016012 | SBR 25 A 120      |
|           |               |           |          | 150       | 1                                                                                 | 45016015 | SBR 25 A 150      |
|           |               |           |          | 180       | 1                                                                                 | 45016018 | SBR 25 A 180      |
|           |               |           |          | 240       | 1                                                                                 | 45016024 | SBR 25 A 240      |
|           |               |           |          | 320       | 1                                                                                 | 45016032 | SBR 25 A 320      |
|           |               |           |          | 400       | 1                                                                                 | 45016040 | SBR 25 A 400      |
|           |               |           |          | 600       | 1                                                                                 | 45016060 | SBR 25 A 600      |
| 38        | 25            | 75        | A        | 800       | 1                                                                                 | 45016080 | SBR 25 A 800      |
|           |               |           |          | 40        | 1                                                                                 | 45016404 | SBR 38 A 40       |
|           |               |           |          | 50        | 1                                                                                 | 45016405 | SBR 38 A 50       |
|           |               |           |          | 60        | 1                                                                                 | 45016406 | SBR 38 A 60       |
|           |               |           |          | 80        | 1                                                                                 | 45016408 | SBR 38 A 80       |
|           |               |           |          | 100       | 1                                                                                 | 45016410 | SBR 38 A 100      |
|           |               |           |          | 120       | 1                                                                                 | 45016412 | SBR 38 A 120      |
|           |               |           |          | 150       | 1                                                                                 | 45016415 | SBR 38 A 150      |
|           |               |           |          | 180       | 1                                                                                 | 45016418 | SBR 38 A 180      |
|           |               |           |          | 220       | 1                                                                                 | 45016422 | SBR 38 A 220      |
| 40        | 50            | 75        | A        | 240       | 1                                                                                 | 45016424 | SBR 38 A 240      |
|           |               |           |          | 320       | 1                                                                                 | 45016432 | SBR 38 A 320      |
|           |               |           |          | 400       | 1                                                                                 | 45016440 | SBR 38 A 400      |
|           |               |           |          | 40        | 1                                                                                 | 45016104 | SBR 40 A 40       |
|           |               |           |          | 60        | 1                                                                                 | 45016106 | SBR 40 A 60       |
|           |               |           |          | 80        | 1                                                                                 | 45016108 | SBR 40 A 80       |
|           |               |           |          | 100       | 1                                                                                 | 45016110 | SBR 40 A 100      |
|           |               |           |          | 120       | 1                                                                                 | 45016112 | SBR 40 A 120      |
|           |               |           |          | 150       | 1                                                                                 | 45016115 | SBR 40 A 150      |
|           |               |           |          | 180       | 1                                                                                 | 45016118 | SBR 40 A 180      |
| 50        | 50            | 75        | A        | 220       | 1                                                                                 | 45016122 | SBR 40 A 220      |
|           |               |           |          | 240       | 1                                                                                 | 45016124 | SBR 40 A 240      |
|           |               |           |          | 320       | 1                                                                                 | 45016132 | SBR 40 A 320      |
|           |               |           |          | 400       | 1                                                                                 | 45016140 | SBR 40 A 400      |
|           |               |           |          | 40        | 1                                                                                 | 45016204 | SBR 50 A 40       |
|           |               |           |          | 60        | 1                                                                                 | 45016206 | SBR 50 A 60       |
|           |               |           | A        | 80        | 1                                                                                 | 45016208 | SBR 50 A 80       |
|           |               |           |          | 100       | 1                                                                                 | 45016210 | SBR 50 A 100      |
|           |               |           |          | 120       | 1                                                                                 | 45016212 | SBR 50 A 120      |
|           |               |           |          | 150       | 1                                                                                 | 45016215 | SBR 50 A 150      |

Continued on next page

| T<br>[mm] | Length<br>[m] | D<br>[mm] | Abrasive | Grit size |  | Item no. | Designation   |
|-----------|---------------|-----------|----------|-----------|-----------------------------------------------------------------------------------|----------|---------------|
| 50        | 50            | 75        | A        | 180       | 1                                                                                 | 45016218 | SBR 50 A 180  |
|           |               |           |          | 220       | 1                                                                                 | 45016220 | SBR 50 A 220  |
|           |               |           |          | 240       | 1                                                                                 | 45016224 | SBR 50 A 240  |
|           |               |           |          | 320       | 1                                                                                 | 45016232 | SBR 50 A 320  |
|           |               |           |          | 400       | 1                                                                                 | 45016240 | SBR 50 A 400  |
|           |               |           |          | 600       | 1                                                                                 | 45016260 | SBR 50 A 600  |
| 100       | 50            | 75        | A        | 40        | 1                                                                                 | 45016304 | SBR 100 A 40  |
|           |               |           |          | 60        | 1                                                                                 | 45016306 | SBR 100 A 60  |
|           |               |           |          | 80        | 1                                                                                 | 45016308 | SBR 100 A 80  |
|           |               |           |          | 100       | 1                                                                                 | 45016310 | SBR 100 A 100 |
|           |               |           |          | 120       | 1                                                                                 | 45016312 | SBR 100 A 120 |
|           |               |           |          | 150       | 1                                                                                 | 45016315 | SBR 100 A 150 |
|           |               |           |          | 180       | 1                                                                                 | 45016318 | SBR 100 A 180 |
|           |               |           |          | 240       | 1                                                                                 | 45016324 | SBR 100 A 240 |
|           |               |           |          | 320       | 1                                                                                 | 45016332 | SBR 100 A 320 |
|           |               |           |          | 400       | 1                                                                                 | 45016340 | SBR 100 A 400 |

## Shop rolls SBR-P



### Paper, aluminium oxide A type

The abrasive material aluminium oxide A is the low-cost alternative for normal workloads when working on painted wooden and metal surfaces.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Little wear due to high tear strength and very good grain adhesion.

| T<br>[mm] | Length<br>[m] | D<br>[mm] | Abrasive | Grit size |  | Item no. | Designation     |
|-----------|---------------|-----------|----------|-----------|-------------------------------------------------------------------------------------|----------|-----------------|
| 115       | 25            | 75        | A        | 40        | 1                                                                                   | 45016534 | SBR-P 115 A 40  |
|           |               |           |          | 60        | 1                                                                                   | 45016536 | SBR-P 115 A 60  |
|           |               |           |          | 80        | 1                                                                                   | 45016538 | SBR-P 115 A 80  |
|           |               |           |          | 100       | 1                                                                                   | 45016540 | SBR-P 115 A 100 |
|           |               |           |          | 120       | 1                                                                                   | 45016542 | SBR-P 115 A 120 |
|           |               |           |          | 150       | 1                                                                                   | 45016545 | SBR-P 115 A 150 |



### SRH 1 version

Holder for wall mounting: for storing and tearing off to the required length as necessary.

#### Special features:

- Enables the shop rolls to be stored correctly.

| Number of rolls | Suitable for roll width [mm] | Suitable for roll diameter [mm] |  | Item no. | Designation |
|-----------------|------------------------------|---------------------------------|-----------------------------------------------------------------------------------|----------|-------------|
| 1               | 25, 38, 40, 50               | 380                             | 1                                                                                 | 42990001 | SRH 1       |



### SRH 5 version

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 shop rolls to be stored correctly.

| Number of rolls | Suitable for roll width [mm] | Suitable for roll diameter [mm] |  | Item no. | Designation |
|-----------------|------------------------------|---------------------------------|-----------------------------------------------------------------------------------|----------|-------------|
| 5               | 25, 38, 40, 50               | 260                             | 1                                                                                 | 42990007 | SRH 5       |

## POLINOX non-woven shop rolls VBR



### Aluminium oxide A and silicon carbide SiC types

Suitable for very fine grinding on small to large surfaces and contours, and for manually cleaning metal and painted surfaces. Achieve matt and satin-finished surfaces. Highly open structure.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Hard-to-reach areas can be accessed.

| T [mm] | Length [m] | Abrasive | Grit size |  | Item no. | Designation     |
|--------|------------|----------|-----------|-------------------------------------------------------------------------------------|----------|-----------------|
| 100    | 10         | A        | 80        | 1                                                                                   | 45018308 | VBR 100 A 80    |
|        |            |          | 100       | 1                                                                                   | 45018310 | VBR 100 A 100   |
|        |            |          | 180       | 1                                                                                   | 45018318 | VBR 100 A 180   |
|        |            |          | 280       | 1                                                                                   | 45018328 | VBR 100 A 280   |
|        |            | SiC      | 400       | 1                                                                                   | 45018440 | VBR 100 SiC 400 |



### AC type

High flexibility, therefore ideal for very fine deburring and finishing work in hard-to-reach places. Especially recommended for work on very small holes, grooves and cut-outs in tool and mould-making. Available in aluminium oxide A and silicon carbide SiC.

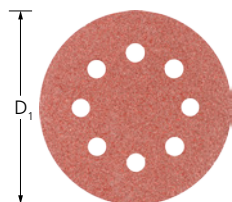


#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Little wear due to high tear strength and very good grain adhesion.
- The abrasive cord can be shortened to the required length.

| Diameter [mm]              | Length [m] | Grit size |  | Item no. | Designation              |
|----------------------------|------------|-----------|-----------------------------------------------------------------------------------|----------|--------------------------|
| <b>Silicon carbide SiC</b> |            |           |                                                                                   |          |                          |
| 0.5                        | 15         | 200       | 1                                                                                 | 45019001 | AC 0,5 mm x 15 m SiC 200 |
| <b>Aluminium oxide A</b>   |            |           |                                                                                   |          |                          |
| 0.8                        | 15         | 200       | 1                                                                                 | 45019002 | AC 0.8 mm x 15 m A 200   |
| 1                          | 15         | 180       | 1                                                                                 | 45019003 | AC 1,0 mm x 15 m A 180   |
| 1.4                        | 15         | 150       | 1                                                                                 | 45019004 | AC 1,4 mm x 15 m A 150   |
| 1.8                        | 15         | 180       | 1                                                                                 | 45019005 | AC 1,8 mm x 15 m A 180   |
| 2.1                        | 15         | 120       | 1                                                                                 | 45019006 | AC 2,1 mm x 15 m A 120   |

## Hook and loop-backed abrasive discs KSS



### Aluminium oxide A version

Hook and loop-backed abrasive discs are suitable for fine grinding large surfaces with eccentric orbital sanders and for general use on metal, wood, plastic and paint. For general grinding work from coarse to fine grinding in industry and professional trades.

#### Special features:

- High economic efficiency thanks to quick tool-changing and high grinding performance.
- Maximum tool life through reduced clogging.

| D <sub>1</sub> [mm] | Holes | Abrasive | Grit size |  | Item no. | Designation       |
|---------------------|-------|----------|-----------|-------------------------------------------------------------------------------------|----------|-------------------|
| 125                 | -     | A        | 40        | 25                                                                                  | 45017760 | KSS 125 0 L A 40  |
|                     |       |          | 60        | 25                                                                                  | 45017761 | KSS 125 0 L A 60  |
|                     |       |          | 80        | 25                                                                                  | 45017762 | KSS 125 0 L A 80  |
|                     |       |          | 100       | 25                                                                                  | 45017763 | KSS 125 0 L A 100 |
|                     |       |          | 120       | 25                                                                                  | 45017764 | KSS 125 0 L A 120 |
|                     |       |          | 150       | 25                                                                                  | 45017765 | KSS 125 0 L A 150 |
|                     | 8     | A        | 40        | 25                                                                                  | 45017004 | KSS 125 8 L A 40  |
|                     |       |          | 60        | 25                                                                                  | 45017006 | KSS 125 8 L A 60  |
|                     |       |          | 80        | 25                                                                                  | 45017008 | KSS 125 8 L A 80  |
|                     |       |          | 100       | 25                                                                                  | 45017010 | KSS 125 8 L A 100 |
|                     |       |          | 120       | 25                                                                                  | 45017012 | KSS 125 8 L A 120 |
|                     |       |          | 150       | 25                                                                                  | 45017015 | KSS 125 8 L A 150 |
|                     |       |          | 180       | 25                                                                                  | 45017018 | KSS 125 8 L A 180 |
|                     |       |          | 240       | 25                                                                                  | 45017024 | KSS 125 8 L A 240 |
|                     |       |          | 320       | 25                                                                                  | 45017032 | KSS 125 8 L A 320 |
|                     |       |          | 400       | 25                                                                                  | 45017040 | KSS 125 8 L A 400 |

Continued on next page

# Flexible abrasives

## Hook and loop-backed abrasive discs KSS



| D <sub>1</sub><br>[mm] | Holes | Abrasive | Grit size |  | Item no. | Designation      |
|------------------------|-------|----------|-----------|-----------------------------------------------------------------------------------|----------|------------------|
| 150                    | -     | A        | 40        | 25                                                                                | 45017770 | KSS 150 0 LA 40  |
|                        |       |          | 60        | 25                                                                                | 45017771 | KSS 150 0 LA 60  |
|                        |       |          | 80        | 25                                                                                | 45017772 | KSS 150 0 LA 80  |
|                        |       |          | 100       | 25                                                                                | 45017773 | KSS 150 0 LA 100 |
|                        |       |          | 120       | 25                                                                                | 45017774 | KSS 150 0 LA 120 |
|                        |       |          | 150       | 25                                                                                | 45017775 | KSS 150 0 LA 150 |
|                        |       |          | 180       | 25                                                                                | 45017776 | KSS 150 0 LA 180 |
|                        |       |          | 240       | 25                                                                                | 45017777 | KSS 150 0 LA 240 |
|                        | 6     | A        | 40        | 25                                                                                | 45017104 | KSS 150 6 LA 40  |
|                        |       |          | 60        | 25                                                                                | 45017106 | KSS 150 6 LA 60  |
|                        |       |          | 80        | 25                                                                                | 45017108 | KSS 150 6 LA 80  |
|                        |       |          | 100       | 25                                                                                | 45017110 | KSS 150 6 LA 100 |
|                        |       |          | 120       | 25                                                                                | 45017112 | KSS 150 6 LA 120 |
|                        |       |          | 150       | 25                                                                                | 45017115 | KSS 150 6 LA 150 |
|                        |       |          | 180       | 25                                                                                | 45017118 | KSS 150 6 LA 180 |
|                        |       |          | 240       | 25                                                                                | 45017124 | KSS 150 6 LA 240 |
|                        |       |          | 320       | 25                                                                                | 45017132 | KSS 150 6 LA 320 |
|                        |       |          | 400       | 25                                                                                | 45017140 | KSS 150 6 LA 400 |
|                        | 8     | A        | 40        | 25                                                                                | 45017144 | KSS 150 8 LA 40  |
|                        |       |          | 60        | 25                                                                                | 45017146 | KSS 150 8 LA 60  |
|                        |       |          | 80        | 25                                                                                | 45017148 | KSS 150 8 LA 80  |
|                        |       |          | 100       | 25                                                                                | 45017150 | KSS 150 8 LA 100 |
|                        |       |          | 120       | 25                                                                                | 45017152 | KSS 150 8 LA 120 |
|                        |       |          | 150       | 25                                                                                | 45017155 | KSS 150 8 LA 150 |

## Hook and loop-backed abrasive discs KSS-NET



### Aluminium oxide A version

NET Hook and loop-backed abrasive discs consist of a netting fabric to which the abrasive grit is stuck using a powerful binding technique, which makes it very robust. For dust-free, general grinding work on medium-sized and large surfaces.



#### Special features:

- Very long tool life and high stock removal rate.
- Achieves very fine, even surfaces. Dust-free work thanks to good extraction capability.
- Durable netting structure with high tear strength and edge stability.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size |  | Item no. | Designation       |
|------------------------|----------|-----------|-------------------------------------------------------------------------------------|----------|-------------------|
| 125                    | A        | 80        | 25                                                                                  | 45018001 | KSS NET 125 A 80  |
|                        |          | 100       | 25                                                                                  | 45018002 | KSS NET 125 A 100 |
|                        |          | 120       | 25                                                                                  | 45018003 | KSS NET 125 A 120 |
|                        |          | 150       | 25                                                                                  | 45018004 | KSS NET 125 A 150 |
|                        |          | 180       | 25                                                                                  | 45018005 | KSS NET 125 A 180 |
|                        |          | 240       | 25                                                                                  | 45018006 | KSS NET 125 A 240 |
|                        |          | 320       | 25                                                                                  | 45018007 | KSS NET 125 A 320 |
|                        |          | 400       | 25                                                                                  | 45018008 | KSS NET 125 A 400 |
|                        |          | 600       | 25                                                                                  | 45018009 | KSS NET 125 A 600 |
|                        |          | 800       | 25                                                                                  | 45018010 | KSS NET 125 A 800 |

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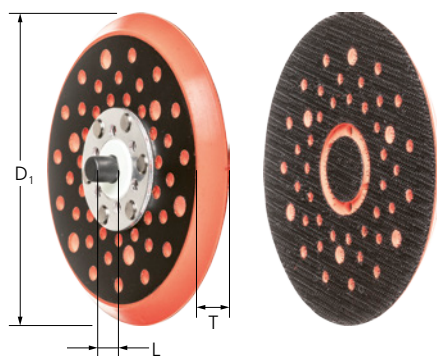
# Flexible abrasives

## Hook and loop-backed abrasive discs KSS-NET



| D <sub>1</sub><br>[mm] | Abrasive | Grit size |  | Item no. | Designation        |
|------------------------|----------|-----------|-----------------------------------------------------------------------------------|----------|--------------------|
| 125                    | A        | 1000      | 25                                                                                | 45018011 | KSS NET 125 A 1000 |
| 150                    | A        | 80        | 25                                                                                | 45018012 | KSS NET 150 A 80   |
|                        |          | 100       | 25                                                                                | 45018013 | KSS NET 150 A 100  |
|                        |          | 120       | 25                                                                                | 45018014 | KSS NET 150 A 120  |
|                        |          | 150       | 25                                                                                | 45018015 | KSS NET 150 A 150  |
|                        |          | 180       | 25                                                                                | 45018016 | KSS NET 150 A 180  |
|                        |          | 240       | 25                                                                                | 45018017 | KSS NET 150 A 240  |
|                        |          | 320       | 25                                                                                | 45018018 | KSS NET 150 A 320  |
|                        |          | 400       | 25                                                                                | 45018019 | KSS NET 150 A 400  |
|                        |          | 600       | 25                                                                                | 45018020 | KSS NET 150 A 600  |
|                        |          | 800       | 25                                                                                | 45018021 | KSS NET 150 A 800  |
|                        |          | 1000      | 25                                                                                | 45018022 | KSS NET 150 A 1000 |

## Hook and loop-backed abrasive disc holder



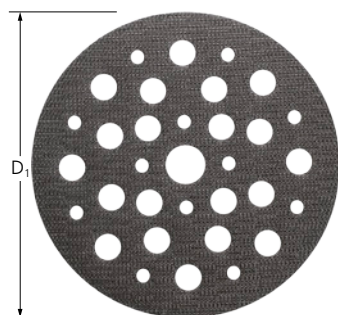
### Hook and loop-backed abrasive disc holder

The holder is suitable for general use with various different eccentric orbital sanders with 5/16" thread. When used with NET hook and loop-backed abrasive discs, this backing pad has particular advantages.

#### Special features:

- Clean, low-dust working environment. Suitable for general use due to multiple holes.
- Compatible with a lot of eccentric orbital sanders and hook and loop discs.
- Extremely strong, durable hook and loop system.

| D <sub>1</sub><br>[mm] | T<br>[mm] | L<br>[mm] | Thread      | Suitable for hook and loop-backed abrasive disc diameter [mm] |  | Item no. | Designation    |
|------------------------|-----------|-----------|-------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|----------------|
| 125                    | 10        | 9         | 5/16-24 UNF | 125                                                           | 1                                                                                   | 45017778 | KSS-H 125-5/16 |
| 150                    | 10        | 9         | 5/16-24 UNF | 150                                                           | 1                                                                                   | 45017779 | KSS-H 150-5/16 |



### Protective pad for hook and loop-backed abrasive disc holders

The protective pad protects the backing pad against premature wear and can be used with any type of hook and loop-backed abrasive disc pad. The series of holes in the protective pads for hook and loop-backed abrasive disc holders enables the grinding dust to be extracted very effectively.

#### Special features:

- Clean, low-dust working environment. Suitable for general use due to multiple holes.
- Compatible with a lot of eccentric orbital sanders, hook and loop-backed abrasive disc holders and hook and loop discs.
- Extremely strong, durable hook and loop system.

| D <sub>1</sub><br>[mm] | Suitable for hook and loop-backed abrasive disc diameter [mm] |  | Item no. | Designation |
|------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|-------------|
| 125                    | 125                                                           | 5                                                                                   | 45017780 | KSS-PP 125  |
| 150                    | 150                                                           | 5                                                                                   | 45017781 | KSS-PP 150  |

### The quick way to find the perfect tool

|                           |                                             |                                                                                                                                                                                 | Abrasive ▶        |          |               |                             |                     |
|---------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|---------------|-----------------------------|---------------------|
| Material group ▼          |                                             |                                                                                                                                                                                 | Aluminium oxide A | Zircon Z | Zircon 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 aluminium alloys                                                                                                                                                           | ○                 |          | ○             | ○                           |                     |
|                           |                                             | Brass, copper, zinc                                                                                                                                                             | ●                 | ○        | ○             |                             |                     |
|                           | Hard non-ferrous metals                     | Hard aluminium 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 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) | ●                 | ○        |               |                             |                     |
| Plastics, other materials |                                             | Fibre-reinforced plastics, thermoplastics, wood, chipboard, paint                                                                                                               | ●                 |          |               |                             | ●                   |

● = highly suitable ○ = suitable

### Safety notes

- The maximum permitted peripheral speed is 30 m/s.
- 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!



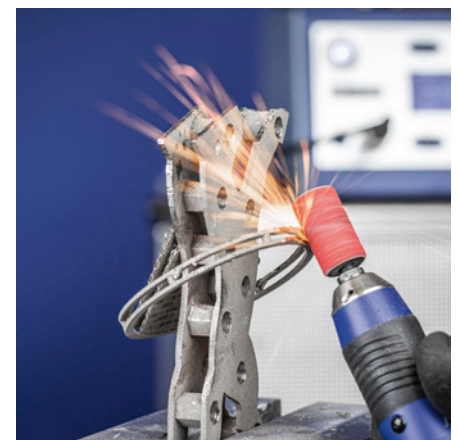
Wear gloves!



Wear a dust mask!

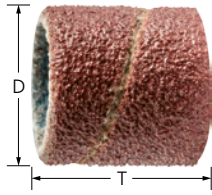


Follow the safety instructions!



# Abrasive spiral bands

## Small pack KSB



### Aluminium oxide A version

For general applications from coarse to fine grinding.



#### 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 tool life due to special manufacturing process – even under the most demanding operating conditions.
- Maximum economic efficiency thanks to particularly high stock removal rate and aggressive abrasive quality.

| D<br>[mm]                | T<br>[mm] | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation    |
|--------------------------|-----------|----------|-----------|-----------------|-----------------------------------------------------------------------------------|----------|----------------|
| <b>Cylindrical shape</b> |           |          |           |                 |                                                                                   |          |                |
| 10                       | 10        | A        | 80        | 30,000 – 44,000 | 25                                                                                | 42231108 | KSB 1010 A 80  |
|                          |           |          | 150       | 30,000 – 44,000 | 25                                                                                | 42231115 | KSB 1010 A 150 |
|                          | 20        | A        | 80        | 30,000 – 44,000 | 25                                                                                | 42232108 | KSB 1020 A 80  |
|                          |           |          | 150       | 30,000 – 44,000 | 25                                                                                | 42232115 | KSB 1020 A 150 |
| 13                       | 10        | A        | 240       | 30,000 – 44,000 | 25                                                                                | 42232124 | KSB 1020 A 240 |
|                          |           |          | 80        | 30,000 – 44,000 | 25                                                                                | 42233108 | KSB 1310 A 80  |
|                          | 25        | A        | 150       | 30,000 – 44,000 | 25                                                                                | 42233115 | KSB 1310 A 150 |
|                          |           |          | 80        | 30,000 – 44,000 | 25                                                                                | 42234108 | KSB 1325 A 80  |
| 15                       | 10        | A        | 150       | 30,000 – 44,000 | 25                                                                                | 42234115 | KSB 1325 A 150 |
|                          |           |          | 60        | 26,000 – 36,000 | 25                                                                                | 42235105 | KSB 1510 A 60  |
|                          | 30        | A        | 80        | 26,000 – 36,000 | 25                                                                                | 42235108 | KSB 1510 A 80  |
|                          |           |          | 150       | 26,000 – 36,000 | 25                                                                                | 42235115 | KSB 1510 A 150 |
| 19                       | 25        | A        | 50        | 26,000 – 36,000 | 25                                                                                | 42236103 | KSB 1530 A 50  |
|                          |           |          | 60        | 26,000 – 36,000 | 25                                                                                | 42236105 | KSB 1530 A 60  |
|                          |           |          | 80        | 26,000 – 36,000 | 25                                                                                | 42236108 | KSB 1530 A 80  |
|                          |           |          | 150       | 26,000 – 36,000 | 25                                                                                | 42236115 | KSB 1530 A 150 |
| 22                       | 20        | A        | 240       | 26,000 – 36,000 | 25                                                                                | 42236124 | KSB 1530 A 240 |
|                          |           |          | 60        | 20,000 – 30,000 | 25                                                                                | 42236505 | KSB 1925 A 60  |
|                          |           |          | 80        | 20,000 – 30,000 | 25                                                                                | 42236508 | KSB 1925 A 80  |
|                          |           |          | 150       | 20,000 – 30,000 | 25                                                                                | 42236515 | KSB 1925 A 150 |
| 25                       | 25        | A        | 240       | 20,000 – 30,000 | 25                                                                                | 42236524 | KSB 1925 A 240 |
|                          |           |          | 50        | 18,000 – 26,000 | 25                                                                                | 42237104 | KSB 2220 A 50  |
|                          |           |          | 60        | 18,000 – 26,000 | 25                                                                                | 42237105 | KSB 2220 A 60  |
|                          |           |          | 80        | 18,000 – 26,000 | 25                                                                                | 42237108 | KSB 2220 A 80  |
| 30                       | 20        | A        | 150       | 18,000 – 26,000 | 25                                                                                | 42237115 | KSB 2220 A 150 |
|                          |           |          | 60        | 16,000 – 22,900 | 25                                                                                | 42237505 | KSB 2525 A 60  |
|                          |           |          | 80        | 16,000 – 22,900 | 25                                                                                | 42237508 | KSB 2525 A 80  |
|                          |           |          | 150       | 16,000 – 22,900 | 25                                                                                | 42237515 | KSB 2525 A 150 |
| 38                       | 20        | A        | 40        | 13,000 – 19,100 | 25                                                                                | 42238104 | KSB 3020 A 40  |
|                          |           |          | 60        | 13,000 – 19,100 | 25                                                                                | 42238105 | KSB 3020 A 60  |
|                          |           |          | 80        | 13,000 – 19,100 | 25                                                                                | 42238108 | KSB 3020 A 80  |
|                          |           |          | 150       | 13,000 – 19,100 | 25                                                                                | 42238115 | KSB 3020 A 150 |
|                          | 30        | A        | 40        | 13,000 – 19,100 | 25                                                                                | 42239104 | KSB 3030 A 40  |
|                          |           |          | 50        | 13,000 – 19,100 | 25                                                                                | 42239103 | KSB 3030 A 50  |
|                          |           |          | 60        | 13,000 – 19,100 | 25                                                                                | 42239105 | KSB 3030 A 60  |
|                          |           |          | 80        | 13,000 – 19,100 | 25                                                                                | 42239108 | KSB 3030 A 80  |
| 38                       | 25        | A        | 150       | 13,000 – 19,100 | 25                                                                                | 42239115 | KSB 3030 A 150 |
|                          |           |          | 40        | 10,000 – 15,900 | 25                                                                                | 42239504 | KSB 3825 A 40  |
|                          |           |          | 60        | 10,000 – 15,900 | 25                                                                                | 42239505 | KSB 3825 A 60  |
|                          |           |          | 80        | 10,000 – 15,900 | 25                                                                                | 42239508 | KSB 3825 A 80  |

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# Abrasive spiral bands

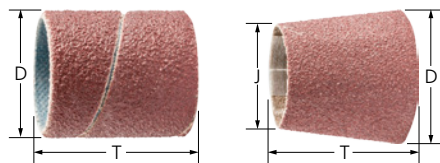
## Small pack KSB

| D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation    |
|-----------|-----------|----------|-----------|-----------------|-----------------------------------------------------------------------------------|----------|----------------|
| 38        | 25        | A        | 150       | 10,000 – 15,900 | 25                                                                                | 42239515 | KSB 3825 A 150 |
| 45        | 30        | A        | 40        | 8,500 – 12,700  | 10                                                                                | 42240104 | KSB 4530 A 40  |
|           |           |          | 50        | 8,500 – 12,700  | 10                                                                                | 42240103 | KSB 4530 A 50  |
|           |           |          | 60        | 8,500 – 12,700  | 10                                                                                | 42240105 | KSB 4530 A 60  |
|           |           |          | 80        | 8,500 – 12,700  | 10                                                                                | 42240108 | KSB 4530 A 80  |
|           |           |          | 150       | 8,500 – 12,700  | 10                                                                                | 42240115 | KSB 4530 A 150 |
| 51        | 25        | A        | 40        | 7,500 – 11,200  | 10                                                                                | 42240504 | KSB 5125 A 40  |
|           |           |          | 60        | 7,500 – 11,200  | 10                                                                                | 42240505 | KSB 5125 A 60  |
|           |           |          | 80        | 7,500 – 11,200  | 10                                                                                | 42240508 | KSB 5125 A 80  |
|           |           |          | 150       | 7,500 – 11,200  | 10                                                                                | 42240515 | KSB 5125 A 150 |
| 60        | 30        | A        | 40        | 6,500 – 9,500   | 10                                                                                | 42241104 | KSB 6030 A 40  |
|           |           |          | 50        | 6,500 – 9,500   | 10                                                                                | 42241103 | KSB 6030 A 50  |
|           |           |          | 60        | 6,500 – 9,500   | 10                                                                                | 42241105 | KSB 6030 A 60  |
|           |           |          | 80        | 6,500 – 9,500   | 10                                                                                | 42241108 | KSB 6030 A 80  |
|           |           |          | 150       | 6,500 – 9,500   | 10                                                                                | 42241115 | KSB 6030 A 150 |
| 75        | 30        | A        | 40        | 5,000 – 7,600   | 10                                                                                | 42242104 | KSB 7530 A 40  |
|           |           |          | 60        | 5,000 – 7,600   | 10                                                                                | 42242105 | KSB 7530 A 60  |
|           |           |          | 80        | 5,000 – 7,600   | 10                                                                                | 42242108 | KSB 7530 A 80  |
|           |           |          | 150       | 5,000 – 7,600   | 10                                                                                | 42242115 | KSB 7530 A 150 |

4



## Bulk pack GSB



### Aluminium oxide A version

For general applications from coarse to fine grinding. The packaging size is ideally suited to 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 tool life due to special manufacturing process – even under the most demanding operating conditions.
- Maximum economic efficiency thanks to particularly high stock removal rate and aggressive abrasive quality.

| D<br>[mm]                | J<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation    |
|--------------------------|-----------|-----------|----------|-----------|-----------------|-------------------------------------------------------------------------------------|----------|----------------|
| <b>Cylindrical shape</b> |           |           |          |           |                 |                                                                                     |          |                |
| 4                        | -         | 10        | A        | 150       | 30,000 – 55,000 | 100                                                                                 | 42200415 | GSB 0410 A 150 |
| 6                        | -         | 10        | A        | 150       | 30,000 – 55,000 | 100                                                                                 | 42200615 | GSB 0610 A 150 |
| 8                        | -         | 10        | A        | 150       | 30,000 – 55,000 | 100                                                                                 | 42200815 | GSB 0810 A 150 |
| 10                       | -         | 10        | A        | 80        | 30,000 – 44,000 | 100                                                                                 | 42201108 | GSB 1010 A 80  |
|                          |           |           |          | 150       | 30,000 – 44,000 | 100                                                                                 | 42201115 | GSB 1010 A 150 |
|                          |           |           |          | 240       | 30,000 – 44,000 | 100                                                                                 | 42202124 | GSB 1020 A 240 |
|                          | -         | 20        | A        | 60        | 30,000 – 44,000 | 100                                                                                 | 42202106 | GSB 1020 A 60  |
|                          |           |           |          | 80        | 30,000 – 44,000 | 100                                                                                 | 42202108 | GSB 1020 A 80  |
|                          |           |           |          | 150       | 30,000 – 44,000 | 100                                                                                 | 42202115 | GSB 1020 A 150 |
|                          |           |           |          | 240       | 30,000 – 44,000 | 100                                                                                 | 42202124 | GSB 1020 A 240 |
| 13                       | -         | 10        | A        | 80        | 30,000 – 44,000 | 100                                                                                 | 42203108 | GSB 1310 A 80  |
|                          |           |           |          | 150       | 30,000 – 44,000 | 100                                                                                 | 42203115 | GSB 1310 A 150 |
|                          | -         | 25        | A        | 80        | 30,000 – 44,000 | 100                                                                                 | 42204108 | GSB 1325 A 80  |
|                          |           |           |          | 150       | 30,000 – 44,000 | 100                                                                                 | 42204115 | GSB 1325 A 150 |

Continued on next page

# Abrasive spiral bands

## Bulk pack GSB



| D<br>[mm] | J<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation    |
|-----------|-----------|-----------|----------|-----------|-----------------|-----------------------------------------------------------------------------------|----------|----------------|
| 15        | -         | 10        | A        | 60        | 26,000 – 36,000 | 100                                                                               | 42205105 | GSB 1510 A 60  |
|           |           |           |          | 80        | 26,000 – 36,000 | 100                                                                               | 42205108 | GSB 1510 A 80  |
|           |           |           |          | 150       | 26,000 – 36,000 | 100                                                                               | 42205115 | GSB 1510 A 150 |
|           | -         | 30        | A        | 50        | 26,000 – 36,000 | 100                                                                               | 42206103 | GSB 1530 A 50  |
|           |           |           |          | 60        | 26,000 – 36,000 | 100                                                                               | 42206105 | GSB 1530 A 60  |
|           |           |           |          | 80        | 26,000 – 36,000 | 100                                                                               | 42206108 | GSB 1530 A 80  |
|           |           |           |          | 150       | 26,000 – 36,000 | 100                                                                               | 42206115 | GSB 1530 A 150 |
|           |           |           |          | 240       | 26,000 – 36,000 | 100                                                                               | 42206124 | GSB 1530 A 240 |
| 19        | -         | 25        | A        | 60        | 20,000 – 30,000 | 100                                                                               | 42206505 | GSB 1925 A 60  |
|           |           |           |          | 80        | 20,000 – 30,000 | 100                                                                               | 42206508 | GSB 1925 A 80  |
|           |           |           |          | 150       | 20,000 – 30,000 | 100                                                                               | 42206515 | GSB 1925 A 150 |
| 22        | -         | 20        | A        | 50        | 18,000 – 26,000 | 100                                                                               | 42207104 | GSB 2220 A 50  |
|           |           |           |          | 60        | 18,000 – 26,000 | 100                                                                               | 42207105 | GSB 2220 A 60  |
|           |           |           |          | 80        | 18,000 – 26,000 | 100                                                                               | 42207108 | GSB 2220 A 80  |
|           |           |           |          | 150       | 18,000 – 26,000 | 100                                                                               | 42207115 | GSB 2220 A 150 |
|           |           |           |          | 240       | 18,000 – 26,000 | 100                                                                               | 42207124 | GSB 2220 A 240 |
| 25        | -         | 25        | A        | 60        | 16,000 – 22,900 | 100                                                                               | 42207505 | GSB 2525 A 60  |
|           |           |           |          | 80        | 16,000 – 22,900 | 100                                                                               | 42207508 | GSB 2525 A 80  |
|           |           |           |          | 150       | 16,000 – 22,900 | 100                                                                               | 42207515 | GSB 2525 A 150 |
| 30        | -         | 20        | A        | 40        | 13,000 – 19,100 | 100                                                                               | 42208104 | GSB 3020 A 40  |
|           |           |           |          | 60        | 13,000 – 19,100 | 100                                                                               | 42208105 | GSB 3020 A 60  |
|           |           |           |          | 80        | 13,000 – 19,100 | 100                                                                               | 42208108 | GSB 3020 A 80  |
|           |           |           |          | 150       | 13,000 – 19,100 | 100                                                                               | 42208115 | GSB 3020 A 150 |
|           |           |           |          |           |                 |                                                                                   |          |                |
|           | -         | 30        | A        | 40        | 13,000 – 19,100 | 100                                                                               | 42209104 | GSB 3030 A 40  |
|           |           |           |          | 50        | 13,000 – 19,100 | 100                                                                               | 42209103 | GSB 3030 A 50  |
|           |           |           |          | 60        | 13,000 – 19,100 | 100                                                                               | 42209105 | GSB 3030 A 60  |
|           |           |           |          | 80        | 13,000 – 19,100 | 100                                                                               | 42209108 | GSB 3030 A 80  |
|           |           |           |          | 150       | 13,000 – 19,100 | 100                                                                               | 42209115 | GSB 3030 A 150 |
|           |           |           |          | 240       | 13,000 – 19,100 | 100                                                                               | 42209124 | GSB 3030 A 240 |
| 38        | -         | 25        | A        | 40        | 10,000 – 15,900 | 100                                                                               | 42209504 | GSB 3825 A 40  |
|           |           |           |          | 60        | 10,000 – 15,900 | 100                                                                               | 42209505 | GSB 3825 A 60  |
|           |           |           |          | 80        | 10,000 – 15,900 | 100                                                                               | 42209508 | GSB 3825 A 80  |
|           |           |           |          | 150       | 10,000 – 15,900 | 100                                                                               | 42209515 | GSB 3825 A 150 |
| 45        | -         | 30        | A        | 40        | 8,500 – 12,700  | 100                                                                               | 42210104 | GSB 4530 A 40  |
|           |           |           |          | 50        | 8,500 – 12,700  | 100                                                                               | 42210103 | GSB 4530 A 50  |
|           |           |           |          | 60        | 8,500 – 12,700  | 100                                                                               | 42210105 | GSB 4530 A 60  |
|           |           |           |          | 80        | 8,500 – 12,700  | 100                                                                               | 42210108 | GSB 4530 A 80  |
|           |           |           |          | 150       | 8,500 – 12,700  | 100                                                                               | 42210115 | GSB 4530 A 150 |
|           |           |           |          | 240       | 8,500 – 12,700  | 100                                                                               | 42210124 | GSB 4530 A 240 |
| 51        | -         | 25        | A        | 40        | 7,500 – 11,200  | 100                                                                               | 42210504 | GSB 5125 A 40  |
|           |           |           |          | 60        | 7,500 – 11,200  | 100                                                                               | 42210505 | GSB 5125 A 60  |
|           |           |           |          | 80        | 7,500 – 11,200  | 100                                                                               | 42210508 | GSB 5125 A 80  |
|           |           |           |          | 150       | 7,500 – 11,200  | 100                                                                               | 42210515 | GSB 5125 A 150 |
| 60        | -         | 30        | A        | 40        | 6,500 – 9,500   | 100                                                                               | 42211104 | GSB 6030 A 40  |
|           |           |           |          | 50        | 6,500 – 9,500   | 100                                                                               | 42211103 | GSB 6030 A 50  |
|           |           |           |          | 60        | 6,500 – 9,500   | 100                                                                               | 42211105 | GSB 6030 A 60  |
|           |           |           |          | 80        | 6,500 – 9,500   | 100                                                                               | 42211108 | GSB 6030 A 80  |
|           |           |           |          | 150       | 6,500 – 9,500   | 100                                                                               | 42211115 | GSB 6030 A 150 |
| 75        | -         | 30        | A        | 40        | 5,000 – 7,600   | 100                                                                               | 42212104 | GSB 7530 A 40  |
|           |           |           |          | 60        | 5,000 – 7,600   | 100                                                                               | 42212105 | GSB 7530 A 60  |
|           |           |           |          | 80        | 5,000 – 7,600   | 100                                                                               | 42212108 | GSB 7530 A 80  |
|           |           |           |          | 150       | 5,000 – 7,600   | 100                                                                               | 42212115 | GSB 7530 A 150 |
| 100       | -         | 40        | A        | 40        | 4,000 – 5,700   | 50                                                                                | 42213104 | GSB 10040 A 40 |
|           |           |           |          | 60        | 4,000 – 5,700   | 50                                                                                | 42213105 | GSB 10040 A 60 |

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# Abrasive spiral bands

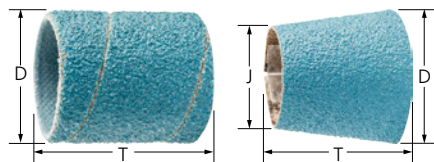
## Bulk pack GSB



| D<br>[mm] | J<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM      |    | Item no. | Designation     |
|-----------|-----------|-----------|----------|-----------|---------------|----|----------|-----------------|
| 100       | -         | 40        | A        | 80        | 4,000 – 5,700 | 50 | 42213108 | GSB 10040 A 80  |
|           |           |           |          | 150       | 4,000 – 5,700 | 50 | 42213115 | GSB 10040 A 150 |

### Conical shape

|    |    |    |   |     |                 |     |          |                  |
|----|----|----|---|-----|-----------------|-----|----------|------------------|
| 20 | 14 | 63 | A | 40  | 19,000 – 26,000 | 100 | 42214104 | GSB 201463 A 40  |
|    |    |    |   | 60  | 19,000 – 26,000 | 100 | 42214105 | GSB 201463 A 60  |
|    |    |    |   | 80  | 19,000 – 26,000 | 100 | 42214108 | GSB 201463 A 80  |
|    |    |    |   | 150 | 19,000 – 26,000 | 100 | 42214115 | GSB 201463 A 150 |
|    |    |    |   | 240 | 19,000 – 26,000 | 100 | 42214124 | GSB 201463 A 240 |
| 29 | 22 | 30 | A | 40  | 13,000 – 19,100 | 100 | 42215104 | GSB 292230 A 40  |
|    |    |    |   | 60  | 13,000 – 19,100 | 100 | 42215105 | GSB 292230 A 60  |
|    |    |    |   | 80  | 13,000 – 19,100 | 100 | 42215108 | GSB 292230 A 80  |
|    |    |    |   | 150 | 13,000 – 19,100 | 100 | 42215115 | GSB 292230 A 150 |
| 36 | 22 | 60 | A | 40  | 10,000 – 15,900 | 100 | 42216104 | GSB 362260 A 40  |
|    |    |    |   | 60  | 10,000 – 15,900 | 100 | 42216105 | GSB 362260 A 60  |
|    |    |    |   | 80  | 10,000 – 15,900 | 100 | 42216108 | GSB 362260 A 80  |
|    |    |    |   | 150 | 10,000 – 15,900 | 100 | 42216115 | GSB 362260 A 150 |



### Zirconia alumina Z version

For coarse grinding work with a high stock removal rate and a long tool life. The packaging size is ideally suited to 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 tool life due to special manufacturing process – even under the most demanding operating conditions.
- Maximum economic efficiency thanks to particularly high stock removal rate and aggressive abrasive quality.

| D<br>[mm] | J<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM |  | Item no. | Designation |
|-----------|-----------|-----------|----------|-----------|----------|--|----------|-------------|
|-----------|-----------|-----------|----------|-----------|----------|--|----------|-------------|

### Cylindrical shape

|    |   |    |   |     |                 |     |          |                |
|----|---|----|---|-----|-----------------|-----|----------|----------------|
| 13 | - | 25 | Z | 50  | 30,000 – 44,000 | 100 | 42217063 | GSB 1325 Z 50  |
|    |   |    |   | 60  | 30,000 – 44,000 | 100 | 42217064 | GSB 1325 Z 60  |
|    |   |    |   | 80  | 30,000 – 44,000 | 100 | 42217065 | GSB 1325 Z 80  |
|    |   |    |   | 120 | 30,000 – 44,000 | 100 | 42217066 | GSB 1325 Z 120 |
| 19 | - | 25 | Z | 40  | 20,000 – 30,000 | 100 | 42217092 | GSB 1925 Z 40  |
|    |   |    |   | 50  | 20,000 – 30,000 | 100 | 42217093 | GSB 1925 Z 50  |
|    |   |    |   | 60  | 20,000 – 30,000 | 100 | 42217094 | GSB 1925 Z 60  |
|    |   |    |   | 80  | 20,000 – 30,000 | 100 | 42217095 | GSB 1925 Z 80  |
|    |   |    |   | 120 | 20,000 – 30,000 | 100 | 42217096 | GSB 1925 Z 120 |
| 25 | - | 25 | Z | 36  | 16,000 – 22,900 | 100 | 42217111 | GSB 2525 Z 36  |
|    |   |    |   | 40  | 16,000 – 22,900 | 100 | 42217112 | GSB 2525 Z 40  |
|    |   |    |   | 50  | 16,000 – 22,900 | 100 | 42217113 | GSB 2525 Z 50  |
|    |   |    |   | 60  | 16,000 – 22,900 | 100 | 42217114 | GSB 2525 Z 60  |
|    |   |    |   | 80  | 16,000 – 22,900 | 100 | 42217115 | GSB 2525 Z 80  |
|    |   |    |   | 120 | 16,000 – 22,900 | 100 | 42217116 | GSB 2525 Z 120 |
| 30 | - | 30 | Z | 36  | 13,000 – 19,100 | 100 | 42217131 | GSB 3030 Z 36  |
|    |   |    |   | 40  | 13,000 – 19,100 | 100 | 42217132 | GSB 3030 Z 40  |
|    |   |    |   | 50  | 13,000 – 19,100 | 100 | 42217133 | GSB 3030 Z 50  |
|    |   |    |   | 60  | 13,000 – 19,100 | 100 | 42217134 | GSB 3030 Z 60  |

Continued on next page

# Abrasive spiral bands

## Bulk pack GSB



| D<br>[mm] | J<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation    |
|-----------|-----------|-----------|----------|-----------|-----------------|-----------------------------------------------------------------------------------|----------|----------------|
| 30        | -         | 30        | Z        | 80        | 13,000 – 19,100 | 100                                                                               | 42217135 | GSB 3030 Z 80  |
| 38        | -         | 25        | Z        | 36        | 10,000 – 15,900 | 100                                                                               | 42217141 | GSB 3825 Z 36  |
|           |           |           |          | 40        | 10,000 – 15,900 | 100                                                                               | 42217142 | GSB 3825 Z 40  |
|           |           |           |          | 50        | 10,000 – 15,900 | 100                                                                               | 42217143 | GSB 3825 Z 50  |
|           |           |           |          | 60        | 10,000 – 15,900 | 100                                                                               | 42217144 | GSB 3825 Z 60  |
|           |           |           |          | 80        | 10,000 – 15,900 | 100                                                                               | 42217145 | GSB 3825 Z 80  |
|           |           |           |          | 120       | 10,000 – 15,900 | 100                                                                               | 42217146 | GSB 3825 Z 120 |
| 45        | -         | 30        | Z        | 40        | 8,500 – 12,700  | 100                                                                               | 42217152 | GSB 4530 Z 40  |
|           |           |           |          | 50        | 8,500 – 12,700  | 100                                                                               | 42217153 | GSB 4530 Z 50  |
|           |           |           |          | 60        | 8,500 – 12,700  | 100                                                                               | 42217154 | GSB 4530 Z 60  |
|           |           |           |          | 80        | 8,500 – 12,700  | 100                                                                               | 42217155 | GSB 4530 Z 80  |
| 51        | -         | 25        | Z        | 36        | 7,500 – 11,200  | 100                                                                               | 42217161 | GSB 5125 Z 36  |
|           |           |           |          | 40        | 7,500 – 11,200  | 100                                                                               | 42217162 | GSB 5125 Z 40  |
|           |           |           |          | 50        | 7,500 – 11,200  | 100                                                                               | 42217163 | GSB 5125 Z 50  |
|           |           |           |          | 60        | 7,500 – 11,200  | 100                                                                               | 42217164 | GSB 5125 Z 60  |
|           |           |           |          | 80        | 7,500 – 11,200  | 100                                                                               | 42217165 | GSB 5125 Z 80  |
|           |           |           |          | 120       | 7,500 – 11,200  | 100                                                                               | 42217166 | GSB 5125 Z 120 |

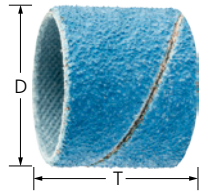
### Conical shape

|    |    |    |   |     |                 |     |          |                  |
|----|----|----|---|-----|-----------------|-----|----------|------------------|
| 20 | 14 | 63 | Z | 36  | 19,000 – 26,000 | 100 | 42217167 | GSB 201463 Z 36  |
|    |    |    |   | 50  | 19,000 – 26,000 | 100 | 42217168 | GSB 201463 Z 50  |
|    |    |    |   | 60  | 19,000 – 26,000 | 100 | 42217169 | GSB 201463 Z 60  |
|    |    |    |   | 80  | 19,000 – 26,000 | 100 | 42217170 | GSB 201463 Z 80  |
|    |    |    |   | 120 | 19,000 – 26,000 | 100 | 42217171 | GSB 201463 Z 120 |
| 29 | 22 | 30 | Z | 36  | 13,000 – 19,100 | 100 | 42217172 | GSB 292230 Z 36  |
|    |    |    |   | 50  | 13,000 – 19,100 | 100 | 42217173 | GSB 292230 Z 50  |
|    |    |    |   | 60  | 13,000 – 19,100 | 100 | 42217174 | GSB 292230 Z 60  |
|    |    |    |   | 80  | 13,000 – 19,100 | 100 | 42217175 | GSB 292230 Z 80  |
|    |    |    |   | 120 | 13,000 – 19,100 | 100 | 42217176 | GSB 292230 Z 120 |
| 36 | 22 | 60 | Z | 36  | 10,000 – 15,900 | 100 | 42217177 | GSB 362260 Z 36  |
|    |    |    |   | 50  | 10,000 – 15,900 | 100 | 42217178 | GSB 362260 Z 50  |
|    |    |    |   | 60  | 10,000 – 15,900 | 100 | 42217179 | GSB 362260 Z 60  |
|    |    |    |   | 80  | 10,000 – 15,900 | 100 | 42217180 | GSB 362260 Z 80  |
|    |    |    |   | 120 | 10,000 – 15,900 | 100 | 42217181 | GSB 362260 Z 120 |



# Abrasive spiral bands

## Bulk pack GSB



### 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 packaging size is ideally suited to industrial requirements.



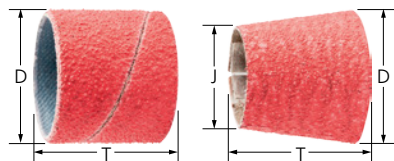
#### Special features:

- 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 tool life due to special manufacturing process – even under the most demanding operating conditions.
- Maximum economic efficiency thanks to particularly high stock removal rate and aggressive abrasive quality.

| D<br>[mm]                | T<br>[mm] | Abrasive        | Grit size | Opt. RPM        |  | Item no. | Designation         |
|--------------------------|-----------|-----------------|-----------|-----------------|-----------------------------------------------------------------------------------|----------|---------------------|
| <b>Cylindrical shape</b> |           |                 |           |                 |                                                                                   |          |                     |
| 15                       | 30        | Z-COOL          | 50        | 26,000 – 36,000 | 100                                                                               | 42206183 | GSB 1530 Z-COOL 50  |
|                          |           |                 | 80        | 26,000 – 36,000 | 100                                                                               | 42206188 | GSB 1530 Z-COOL 80  |
|                          |           | Z-COOL / A-COOL | 150       | 26,000 – 36,000 | 100                                                                               | 42206285 | GSB 1530 A-COOL 150 |
| 22                       | 20        | Z-COOL          | 50        | 18,000 – 26,000 | 100                                                                               | 42207184 | GSB 2220 Z-COOL 50  |
|                          |           |                 | 80        | 18,000 – 26,000 | 100                                                                               | 42207188 | GSB 2220 Z-COOL 80  |
|                          |           | Z-COOL / A-COOL | 150       | 18,000 – 26,000 | 100                                                                               | 42207285 | GSB 2220 A-COOL 150 |
| 30                       | 30        | Z-COOL          | 36        | 13,000 – 19,100 | 100                                                                               | 42209182 | GSB 3030 Z-COOL 36  |
|                          |           |                 | 50        | 13,000 – 19,100 | 100                                                                               | 42209183 | GSB 3030 Z-COOL 50  |
|                          |           |                 | 80        | 13,000 – 19,100 | 100                                                                               | 42209188 | GSB 3030 Z-COOL 80  |
|                          |           | Z-COOL / A-COOL | 150       | 13,000 – 19,100 | 100                                                                               | 42209285 | GSB 3030 A-COOL 150 |
| 45                       | 30        | Z-COOL          | 36        | 8,500 – 12,700  | 100                                                                               | 42210182 | GSB 4530 Z-COOL 36  |
|                          |           |                 | 50        | 8,500 – 12,700  | 100                                                                               | 42210183 | GSB 4530 Z-COOL 50  |
|                          |           |                 | 80        | 8,500 – 12,700  | 100                                                                               | 42210188 | GSB 4530 Z-COOL 80  |
|                          |           | Z-COOL / A-COOL | 150       | 8,500 – 12,700  | 100                                                                               | 42210285 | GSB 4530 A-COOL 150 |
| 60                       | 30        | Z-COOL          | 36        | 6,500 – 9,500   | 100                                                                               | 42211182 | GSB 6030 Z-COOL 36  |
|                          |           |                 | 50        | 6,500 – 9,500   | 100                                                                               | 42211183 | GSB 6030 Z-COOL 50  |
|                          |           |                 | 80        | 6,500 – 9,500   | 100                                                                               | 42211188 | GSB 6030 Z-COOL 80  |
|                          |           | Z-COOL / A-COOL | 150       | 6,500 – 9,500   | 100                                                                               | 42211285 | GSB 6030 A-COOL 150 |

# Abrasive spiral bands

## Bulk pack GSB



### Ceramic oxide grain CO-COOL version

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 packaging size is ideally suited to 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 tool life due to special manufacturing process – even under the most demanding operating conditions.
- Maximum economic efficiency thanks to particularly high stock removal rate and aggressive abrasive quality.

| D<br>[mm]                | J<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation          |
|--------------------------|-----------|-----------|----------|-----------|-----------------|-----------------------------------------------------------------------------------|----------|----------------------|
| <b>Cylindrical shape</b> |           |           |          |           |                 |                                                                                   |          |                      |
| 10                       | -         | 20        | CO-COOL  | 60        | 30,000 – 44,000 | 100                                                                               | 47501467 | GSB 1020 CO-COOL 60  |
|                          |           |           |          | 80        | 30,000 – 44,000 | 100                                                                               | 47501485 | GSB 1020 CO-COOL 80  |
|                          |           |           |          | 120       | 30,000 – 44,000 | 100                                                                               | 47501492 | GSB 1020 CO-COOL 120 |
| 13                       | -         | 25        | CO-COOL  | 60        | 30,000 – 44,000 | 100                                                                               | 42204205 | GSB 1325 CO-COOL 60  |
|                          |           |           |          | 80        | 30,000 – 44,000 | 100                                                                               | 42204208 | GSB 1325 CO-COOL 80  |
|                          |           |           |          | 120       | 30,000 – 44,000 | 100                                                                               | 42204212 | GSB 1325 CO-COOL 120 |
| 15                       | -         | 30        | CO-COOL  | 60        | 26,000 – 36,000 | 100                                                                               | 42206305 | GSB 1530 CO-COOL 60  |
|                          |           |           |          | 80        | 26,000 – 36,000 | 100                                                                               | 42206308 | GSB 1530 CO-COOL 80  |
|                          |           |           |          | 120       | 26,000 – 36,000 | 100                                                                               | 42206312 | GSB 1530 CO-COOL 120 |
| 19                       | -         | 25        | CO-COOL  | 36        | 20,000 – 30,000 | 100                                                                               | 42206702 | GSB 1925 CO-COOL 36  |
|                          |           |           |          | 60        | 20,000 – 30,000 | 100                                                                               | 42206705 | GSB 1925 CO-COOL 60  |
|                          |           |           |          | 80        | 20,000 – 30,000 | 100                                                                               | 42206708 | GSB 1925 CO-COOL 80  |
|                          |           |           |          | 120       | 20,000 – 30,000 | 100                                                                               | 42206712 | GSB 1925 CO-COOL 120 |
| 22                       | -         | 20        | CO-COOL  | 60        | 18,000 – 26,000 | 100                                                                               | 42207305 | GSB 2220 CO-COOL 60  |
|                          |           |           |          | 80        | 18,000 – 26,000 | 100                                                                               | 42207308 | GSB 2220 CO-COOL 80  |
|                          |           |           |          | 120       | 18,000 – 26,000 | 100                                                                               | 42207312 | GSB 2220 CO-COOL 120 |
| 25                       | -         | 25        | CO-COOL  | 36        | 16,000 – 22,900 | 100                                                                               | 42207702 | GSB 2525 CO-COOL 36  |
|                          |           |           |          | 60        | 16,000 – 22,900 | 100                                                                               | 42207705 | GSB 2525 CO-COOL 60  |
|                          |           |           |          | 80        | 16,000 – 22,900 | 100                                                                               | 42207708 | GSB 2525 CO-COOL 80  |
|                          |           |           |          | 120       | 16,000 – 22,900 | 100                                                                               | 42207712 | GSB 2525 CO-COOL 120 |
| 30                       | -         | 30        | CO-COOL  | 36        | 13,000 – 19,100 | 100                                                                               | 42209302 | GSB 3030 CO-COOL 36  |
|                          |           |           |          | 60        | 13,000 – 19,100 | 100                                                                               | 42209305 | GSB 3030 CO-COOL 60  |
|                          |           |           |          | 80        | 13,000 – 19,100 | 100                                                                               | 42209308 | GSB 3030 CO-COOL 80  |
|                          |           |           |          | 120       | 13,000 – 19,100 | 100                                                                               | 42209312 | GSB 3030 CO-COOL 120 |
| 38                       | -         | 25        | CO-COOL  | 36        | 10,000 – 15,900 | 100                                                                               | 42209702 | GSB 3825 CO-COOL 36  |
|                          |           |           |          | 60        | 10,000 – 15,900 | 100                                                                               | 42209705 | GSB 3825 CO-COOL 60  |
|                          |           |           |          | 80        | 10,000 – 15,900 | 100                                                                               | 42209708 | GSB 3825 CO-COOL 80  |
| 45                       | -         | 30        | CO-COOL  | 36        | 8,500 – 12,700  | 100                                                                               | 42210302 | GSB 4530 CO-COOL 36  |
|                          |           |           |          | 60        | 8,500 – 12,700  | 100                                                                               | 42210305 | GSB 4530 CO-COOL 60  |
|                          |           |           |          | 80        | 8,500 – 12,700  | 100                                                                               | 42210308 | GSB 4530 CO-COOL 80  |
|                          |           |           |          | 120       | 8,500 – 12,700  | 100                                                                               | 42210312 | GSB 4530 CO-COOL 120 |
| 51                       | -         | 25        | CO-COOL  | 36        | 7,500 – 11,200  | 100                                                                               | 42210602 | GSB 5125 CO-COOL 36  |
|                          |           |           |          | 60        | 7,500 – 11,200  | 100                                                                               | 42210605 | GSB 5125 CO-COOL 60  |
| 60                       | -         | 30        | CO-COOL  | 36        | 6,500 – 9,500   | 100                                                                               | 42211302 | GSB 6030 CO-COOL 36  |
|                          |           |           |          | 60        | 6,500 – 9,500   | 100                                                                               | 42211305 | GSB 6030 CO-COOL 60  |
|                          |           |           |          | 80        | 6,500 – 9,500   | 100                                                                               | 42211308 | GSB 6030 CO-COOL 80  |
|                          |           |           |          | 120       | 6,500 – 9,500   | 100                                                                               | 42211312 | GSB 6030 CO-COOL 120 |

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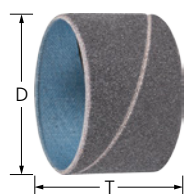


# Abrasive spiral bands

## Bulk pack GSB

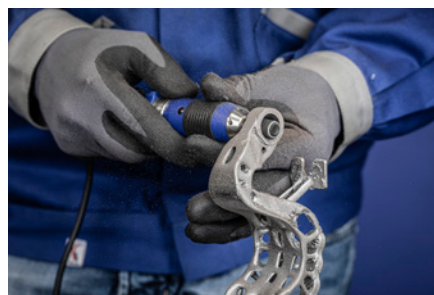


| D<br>[mm]            | J<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation            |
|----------------------|-----------|-----------|----------|-----------|-----------------|-----------------------------------------------------------------------------------|----------|------------------------|
| <b>Conical shape</b> |           |           |          |           |                 |                                                                                   |          |                        |
| 20                   | 14        | 63        | CO-COOL  | 36        | 19,000 – 26,000 | 100                                                                               | 42217182 | GSB 201463 CO-COOL 36  |
|                      |           |           |          | 60        | 19,000 – 26,000 | 100                                                                               | 42217183 | GSB 201463 CO-COOL 60  |
|                      |           |           |          | 80        | 19,000 – 26,000 | 100                                                                               | 42217184 | GSB 201463 CO-COOL 80  |
|                      |           |           |          | 120       | 19,000 – 26,000 | 100                                                                               | 42217185 | GSB 201463 CO-COOL 120 |
| 29                   | 22        | 30        | CO-COOL  | 36        | 13,000 – 19,100 | 100                                                                               | 42217186 | GSB 292230 CO-COOL 36  |
|                      |           |           |          | 60        | 13,000 – 19,100 | 100                                                                               | 42217187 | GSB 292230 CO-COOL 60  |
|                      |           |           |          | 80        | 13,000 – 19,100 | 100                                                                               | 42217188 | GSB 292230 CO-COOL 80  |
|                      |           |           |          | 120       | 13,000 – 19,100 | 100                                                                               | 42217189 | GSB 292230 CO-COOL 120 |
| 36                   | 22        | 60        | CO-COOL  | 36        | 10,000 – 15,900 | 100                                                                               | 42217190 | GSB 362260 CO-COOL 36  |
|                      |           |           |          | 60        | 10,000 – 15,900 | 100                                                                               | 42217191 | GSB 362260 CO-COOL 60  |
|                      |           |           |          | 80        | 10,000 – 15,900 | 100                                                                               | 42217192 | GSB 362260 CO-COOL 80  |
|                      |           |           |          | 120       | 10,000 – 15,900 | 100                                                                               | 42217193 | GSB 362260 CO-COOL 120 |



### Silicon carbide SiC version

For general grinding work. Particularly recommended for use on titanium alloys. Ideally suited for use in the aircraft industry, particularly when SiC is the only abrasive approved for use. The packaging size is ideally suited to industrial requirements.



#### Special features:

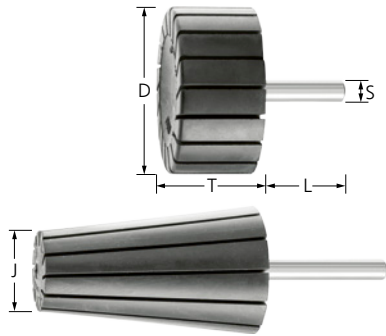
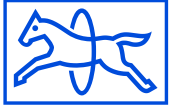
- The abrasive spiral band is firmly held in place on the rubber drum holder as the holder expands during use. The rubber drum holder must be ordered separately.
- Outstanding tool life due to special manufacturing process – even under the most demanding operating conditions.
- Maximum economic efficiency thanks to particularly high stock removal rate and aggressive abrasive quality.

| D<br>[mm]                | T<br>[mm] | Abrasive | Grit size | Opt. RPM        |  | Item no. | Designation      |
|--------------------------|-----------|----------|-----------|-----------------|-------------------------------------------------------------------------------------|----------|------------------|
| <b>Cylindrical shape</b> |           |          |           |                 |                                                                                     |          |                  |
| 22                       | 20        | SiC      | 100       | 18,000 – 26,000 | 100                                                                                 | 42222100 | GSB 2220 SiC 100 |



# Abrasive spiral bands

## Rubber drum holder GK



### Conical and cylindrical types

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:

- The abrasive spiral band is firmly held in place on the rubber drum holder as the holder expands during use.
- Outstanding tool life due to special manufacturing process – even under the most demanding operating conditions.

| D<br>[mm]         | J<br>[mm] | T<br>[mm] | S<br>[mm] | L<br>[mm] | Hardness<br>[Shore<br>A] | Acc. to ISO | Max.<br>RPM | Min. RPM<br>[RPM] |  | Item no. | Designation |
|-------------------|-----------|-----------|-----------|-----------|--------------------------|-------------|-------------|-------------------|-------------------------------------------------------------------------------------|----------|-------------|
| Cylindrical shape |           |           |           |           |                          |             |             |                   |                                                                                     |          |             |
| 4                 | -         | 10        | 3         | 40        | 65–70                    | -           | 55,000      | 30,000            | 5                                                                                   | 42100413 | GK 0410/3   |
|                   |           |           | 6         | 40        | 65–70                    | -           | 55,000      | 30,000            | 5                                                                                   | 42100410 | GK 0410/6   |
| 6                 | -         | 10        | 3         | 40        | 65–70                    | -           | 55,000      | 30,000            | 5                                                                                   | 42100613 | GK 0610/3   |
|                   |           |           | 6         | 40        | 65–70                    | -           | 55,000      | 30,000            | 5                                                                                   | 42100610 | GK 0610/6   |
| 8                 | -         | 10        | 3         | 40        | 65–70                    | -           | 55,000      | 30,000            | 5                                                                                   | 42100813 | GK 0810/3   |
|                   |           |           | 6         | 40        | 65–70                    | -           | 55,000      | 30,000            | 5                                                                                   | 42100810 | GK 0810/6   |
| 10                | -         | 10        | 6         | 35        | 65–70                    | ISO 15637-1 | 44,000      | 30,000            | 5                                                                                   | 42101000 | GK 1010/6   |
|                   |           | 20        | 6         | 35        | 65–70                    | ISO 15637-1 | 44,000      | 30,000            | 5                                                                                   | 42102000 | GK 1020/6   |
| 13                | -         | 10        | 6         | 35        | 65–70                    | -           | 44,000      | 30,000            | 5                                                                                   | 42103000 | GK 1310/6   |
|                   |           | 25        | 6         | 35        | 65–70                    | -           | 44,000      | 30,000            | 5                                                                                   | 42104000 | GK 1325/6   |
| 15                | -         | 10        | 6         | 35        | 65–70                    | ISO 15637-1 | 36,000      | 26,000            | 5                                                                                   | 42105000 | GK 1510/6   |
|                   |           | 30        | 6         | 35        | 65–70                    | ISO 15637-1 | 36,000      | 26,000            | 5                                                                                   | 42106000 | GK 1530/6   |
| 19                | -         | 25        | 6         | 35        | 65–70                    | -           | 30,000      | 20,000            | 5                                                                                   | 42106500 | GK 1925/6   |
| 22                | -         | 20        | 6         | 35        | 65–70                    | ISO 15637-1 | 26,000      | 18,000            | 5                                                                                   | 42107000 | GK 2220/6   |
|                   |           |           |           |           | 80                       | ISO 15637-1 | 26,000      | 18,000            | 5                                                                                   | 42107080 | GK 2220/6 H |
| 25                | -         | 25        | 6         | 35        | 65–70                    | -           | 22,900      | 16,000            | 5                                                                                   | 42107500 | GK 2525/6   |
| 30                | -         | 20        | 6         | 35        | 65–70                    | ISO 15637-1 | 19,100      | 13,000            | 5                                                                                   | 42108000 | GK 3020/6   |
|                   |           |           |           |           | 65–70                    | ISO 15637-1 | 19,100      | 13,000            | 5                                                                                   | 42109000 | GK 3030/6   |
|                   |           |           |           |           | 80                       | ISO 15637-1 | 19,100      | 13,000            | 5                                                                                   | 42109080 | GK 3030/6 H |
| 38                | -         | 25        | 6         | 35        | 65–70                    | -           | 15,900      | 10,000            | 5                                                                                   | 42109500 | GK 3825/6   |
| 45                | -         | 30        | 6         | 35        | 65–70                    | ISO 15637-1 | 12,700      | 8,500             | 5                                                                                   | 42110000 | GK 4530/6   |
|                   |           |           |           |           | 80                       | ISO 15637-1 | 12,700      | 8,500             | 5                                                                                   | 42110080 | GK 4530/6 H |
| 51                | -         | 25        | 6         | 35        | 65–70                    | -           | 11,200      | 7,500             | 5                                                                                   | 42110500 | GK 5125/6   |
| 60                | -         | 30        | 6         | 35        | 65–70                    | ISO 15637-1 | 9,500       | 6,500             | 5                                                                                   | 42111006 | GK 6030/6   |
|                   |           |           | 8         | 35        | 65–70                    | ISO 15637-1 | 9,500       | 6,500             | 5                                                                                   | 42111008 | GK 6030/8   |
| 75                | -         | 30        | 8         | 35        | 65–70                    | ISO 15637-1 | 7,600       | 5,000             | 5                                                                                   | 42112000 | GK 7530/8   |
| 100               | -         | 40        | 8         | 35        | 65–70                    | ISO 15637-1 | 5,700       | 4,000             | 5                                                                                   | 42113000 | GK 10040/8  |
| Conical shape     |           |           |           |           |                          |             |             |                   |                                                                                     |          |             |
| 20                | 14        | 63        | 6         | 40        | 65–70                    | -           | 26,000      | 19,000            | 5                                                                                   | 42119500 | GK 201463/6 |
| 29                | 22        | 30        | 6         | 40        | 65–70                    | -           | 19,100      | 13,000            | 5                                                                                   | 42121000 | GK 292230/6 |
| 36                | 22        | 60        | 6         | 40        | 65–70                    | -           | 15,900      | 10,000            | 5                                                                                   | 42122000 | GK 362260/6 |



### Safety notes

- The maximum permitted peripheral speed is 11 m/s.
- 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!

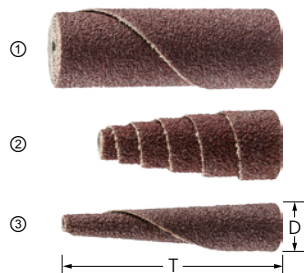


Not permitted for wet grinding!



## POLIROLL cartridge rolls PR and PRK, POLICO abrasive cones PCO

4



### Aluminium oxide A version

Cartridge rolls and abrasive cones consisting of spirally wound, coated abrasives. For general grinding work in hard-to-reach areas on metals and other materials.



#### Special features:

- Consistently high grinding performance throughout its entire tool life thanks to ongoing exposure of fresh abrasive grain during application.
- POLIROLL/POLICO is securely fitted when in use due to self-tensioning provided by grooved, conical arbor, plus easy tool changes.
- Please order compatible arbor separately.

| D<br>[mm]                       | T<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM | Suitable arbors      |  | Item no. | Designation   |
|---------------------------------|-----------|----------|-----------|----------|-------------|----------------------|--------------------------------------------------------------------------------------|----------|---------------|
| <b>① Cylindrical shape (PR)</b> |           |          |           |          |             |                      |                                                                                      |          |               |
| 6                               | 25        | A        | 80        | 20,000   | 25,000      | BO 3-18-3, BO 6-18-3 | 50                                                                                   | 42810608 | PR 0625 A 80  |
|                                 |           |          | 150       | 20,000   | 25,000      | BO 3-18-3, BO 6-18-3 | 50                                                                                   | 42810615 | PR 0625 A 150 |
|                                 | 35        | A        | 80        | 20,000   | 25,000      | BO 6-24-3            | 50                                                                                   | 42810708 | PR 0635 A 80  |
|                                 |           |          | 150       | 20,000   | 25,000      | BO 6-24-3            | 50                                                                                   | 42810715 | PR 0635 A 150 |
| 9                               | 25        | A        | 80        | 15,000   | 23,000      | BO 6-18-3            | 50                                                                                   | 42810808 | PR 0925 A 80  |
|                                 |           |          | 150       | 15,000   | 23,000      | BO 6-18-3            | 50                                                                                   | 42810815 | PR 0925 A 150 |
|                                 | 35        | A        | 80        | 15,000   | 23,000      | BO 6-24-3            | 50                                                                                   | 42810908 | PR 0935 A 80  |
|                                 |           |          | 150       | 15,000   | 23,000      | BO 6-24-3            | 50                                                                                   | 42810915 | PR 0935 A 150 |
|                                 | 25        | A        | 50        | 12,000   | 17,000      | BO 6-18-3            | 50                                                                                   | 42811205 | PR 1225 A 50  |
|                                 |           |          | 80        | 12,000   | 17,000      | BO 6-18-3            | 50                                                                                   | 42811208 | PR 1225 A 80  |
| 12                              | 25        | A        | 150       | 12,000   | 17,000      | BO 6-18-3            | 50                                                                                   | 42811215 | PR 1225 A 150 |
|                                 |           |          | 50        | 12,000   | 17,000      | BO 6-24-3            | 50                                                                                   | 42811305 | PR 1235 A 50  |
|                                 |           |          | 80        | 12,000   | 17,000      | BO 6-24-3            | 50                                                                                   | 42811308 | PR 1235 A 80  |
|                                 | 35        | A        | 150       | 12,000   | 17,000      | BO 6-24-3            | 50                                                                                   | 42811315 | PR 1235 A 150 |
|                                 |           |          | 50        | 8,000    | 12,000      | BO 6-25-5            | 50                                                                                   | 42811805 | PR 1835 A 50  |
|                                 |           |          | 80        | 8,000    | 12,000      | BO 6-25-5            | 50                                                                                   | 42811808 | PR 1835 A 80  |
|                                 |           |          | 150       | 8,000    | 12,000      | BO 6-25-5            | 50                                                                                   | 42811815 | PR 1835 A 150 |
|                                 | 50        | A        | 50        | 8,000    | 12,000      | BO 6-30-5            | 50                                                                                   | 42811905 | PR 1850 A 50  |
|                                 |           |          | 80        | 8,000    | 12,000      | BO 6-30-5            | 50                                                                                   | 42811908 | PR 1850 A 80  |
|                                 |           |          | 150       | 8,000    | 12,000      | BO 6-30-5            | 50                                                                                   | 42811915 | PR 1850 A 150 |

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# POLIROLL, POLICO

POLIROLL cartridge rolls PR and PRK, POLICO abrasive cones PCO



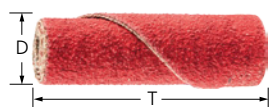
| D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM | Suitable arbors |  | Item no. | Designation |
|-----------|-----------|----------|-----------|----------|-------------|-----------------|--|----------|-------------|
|-----------|-----------|----------|-----------|----------|-------------|-----------------|--|----------|-------------|

## ② Conical shape (PRK)

|    |    |   |     |        |        |                      |    |          |                |
|----|----|---|-----|--------|--------|----------------------|----|----------|----------------|
| 10 | 25 | A | 80  | 15,000 | 23,000 | BO 3-18-3, BO 6-18-3 | 50 | 42821008 | PRK 1025 A 80  |
|    |    |   | 150 | 15,000 | 23,000 | BO 3-18-3, BO 6-18-3 | 50 | 42821015 | PRK 1025 A 150 |
| 12 | 25 | A | 50  | 12,000 | 17,000 | BO 6-18-3            | 50 | 42821205 | PRK 1225 A 50  |
|    |    |   | 80  | 12,000 | 17,000 | BO 6-18-3            | 50 | 42821208 | PRK 1225 A 80  |
|    |    |   | 150 | 12,000 | 17,000 | BO 6-18-3            | 50 | 42821215 | PRK 1225 A 150 |
|    | 35 | A | 50  | 12,000 | 17,000 | BO 6-24-3            | 50 | 42821305 | PRK 1235 A 50  |
|    |    |   | 80  | 12,000 | 17,000 | BO 6-24-3            | 50 | 42821308 | PRK 1235 A 80  |
|    |    |   | 150 | 12,000 | 17,000 | BO 6-24-3            | 50 | 42821315 | PRK 1235 A 150 |
| 15 | 35 | A | 50  | 10,000 | 15,000 | BO 6-24-3            | 50 | 42821505 | PRK 1535 A 50  |
|    |    |   | 80  | 10,000 | 15,000 | BO 6-24-3            | 50 | 42821508 | PRK 1535 A 80  |
|    |    |   | 150 | 10,000 | 15,000 | BO 6-24-3            | 50 | 42821515 | PRK 1535 A 150 |

## ③ POLICO abrasive cones (PCO)

|    |    |   |     |        |        |           |    |          |                |
|----|----|---|-----|--------|--------|-----------|----|----------|----------------|
| 10 | 50 | A | 80  | 15,000 | 23,000 | BO 6-50-8 | 50 | 42831008 | PCO 1050 A 80  |
|    |    |   | 150 | 15,000 | 23,000 | BO 6-50-8 | 50 | 42831015 | PCO 1050 A 150 |



### Ceramic oxide grain CO-COOL version

Cartridge rolls consisting of spirally wound, coated abrasives. 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.



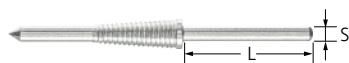
#### Special features:

- Consistently high grinding performance throughout its entire tool life thanks to ongoing exposure of fresh abrasive grain during application.
- POLIROLL/POLICO is securely fitted when in use due to self-tensioning provided by grooved, conical arbor, plus easy tool changes.
- Please order compatible arbor separately.

| D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM | Suitable arbors |  | Item no. | Designation |
|-----------|-----------|----------|-----------|----------|-------------|-----------------|--|----------|-------------|
|-----------|-----------|----------|-----------|----------|-------------|-----------------|--|----------|-------------|

## Cylindrical shape (PR)

|    |    |         |     |        |        |                      |    |          |                     |
|----|----|---------|-----|--------|--------|----------------------|----|----------|---------------------|
| 6  | 25 | CO-COOL | 60  | 20,000 | 25,000 | BO 3-18-3, BO 6-18-3 | 50 | 42810646 | PR 0625 CO-COOL 60  |
|    |    |         | 80  | 20,000 | 25,000 | BO 3-18-3, BO 6-18-3 | 50 | 42810648 | PR 0625 CO-COOL 80  |
|    |    |         | 120 | 20,000 | 25,000 | BO 3-18-3, BO 6-18-3 | 50 | 42810650 | PR 0625 CO-COOL 120 |
|    | 35 | CO-COOL | 60  | 20,000 | 25,000 | BO 6-24-3            | 50 | 42810746 | PR 0635 CO-COOL 60  |
|    |    |         | 80  | 20,000 | 25,000 | BO 6-24-3            | 50 | 42810748 | PR 0635 CO-COOL 80  |
|    |    |         | 120 | 20,000 | 25,000 | BO 6-24-3            | 50 | 42810750 | PR 0635 CO-COOL 120 |
| 9  | 25 | CO-COOL | 60  | 15,000 | 23,000 | BO 6-18-3            | 50 | 42810846 | PR 0925 CO-COOL 60  |
|    |    |         | 80  | 15,000 | 23,000 | BO 6-18-3            | 50 | 42810848 | PR 0925 CO-COOL 80  |
|    |    |         | 120 | 15,000 | 23,000 | BO 6-18-3            | 50 | 42810850 | PR 0925 CO-COOL 120 |
|    | 35 | CO-COOL | 60  | 15,000 | 23,000 | BO 6-24-3            | 50 | 42810946 | PR 0935 CO-COOL 60  |
|    |    |         | 80  | 15,000 | 23,000 | BO 6-24-3            | 50 | 42810948 | PR 0935 CO-COOL 80  |
|    |    |         | 120 | 15,000 | 23,000 | BO 6-24-3            | 50 | 42810950 | PR 0935 CO-COOL 120 |
| 12 | 25 | CO-COOL | 60  | 12,000 | 17,000 | BO 6-18-3            | 50 | 42811246 | PR 1225 CO-COOL 60  |
|    |    |         | 80  | 12,000 | 17,000 | BO 6-18-3            | 50 | 42811248 | PR 1225 CO-COOL 80  |
|    |    |         | 120 | 12,000 | 17,000 | BO 6-18-3            | 50 | 42811250 | PR 1225 CO-COOL 120 |
|    | 35 | CO-COOL | 60  | 12,000 | 17,000 | BO 6-24-3            | 50 | 42811346 | PR 1235 CO-COOL 60  |
|    |    |         | 80  | 12,000 | 17,000 | BO 6-24-3            | 50 | 42811348 | PR 1235 CO-COOL 80  |
|    |    |         | 120 | 12,000 | 17,000 | BO 6-24-3            | 50 | 42811350 | PR 1235 CO-COOL 120 |



## Arbor BO

Arbor for POLIROLL and POLICO tools.

### Special features:

- Tool can be changed easily without unclamping the arbor from the tool drive collet.

- POLIROLL/POLICO is securely fitted when in use due to self-tensioning provided by grooved, conical arbor.

| Suitable for                                  | S<br>[mm] | L<br>[mm] |  | Item no. | Designation |
|-----------------------------------------------|-----------|-----------|------------------------------------------------------------------------------------|----------|-------------|
| PR 0625, PRK 1025                             | 3         | 27        | 1                                                                                  | 42703183 | BO 3-18-3   |
| PR 0625, PR 0925, PR 1225, PRK 1025, PRK 1225 | 6         | 30        | 1                                                                                  | 42706183 | BO 6-18-3   |
| PR 0625, PR 0925, PR 1235, PRK 1235, PRK 1535 | 6         | 30        | 1                                                                                  | 42706243 | BO 6-24-3   |
| PR 1835                                       | 6         | 30        | 1                                                                                  | 42706255 | BO 6-25-5   |
| PR 1850                                       | 6         | 30        | 1                                                                                  | 42706305 | BO 6-30-5   |
| PCO 1050                                      | 6         | 30        | 1                                                                                  | 42706508 | BO 6-50-8   |



## POLIROLL set

Coordinated set of various popular POLIROLL cartridge rolls with matching arbors.

### Contents:

150 POLIROLL cartridge rolls with matching arbor, 20 pieces each of cylindrical POLIROLL cartridge rolls measuring 6 x 25 mm (in grit size 80 as well as 150), 20 pieces each of 9 x 25 mm (in grit size 80 as well as 150), 20 pieces each of 12 x 25 mm (in grit size 80 as well as 150), 10 pieces each of conical cartridge rolls measuring 10 x 25 mm (grit size 80 as well as 150) and 10 pieces each of 12 x 25 mm (grit size 80).

### Special features:

- Consistently high grinding performance throughout its entire tool life thanks to ongoing exposure of fresh abrasive grain during application.
- POLIROLL/POLICO is securely fitted when in use due to self-tensioning provided by grooved, conical arbor, plus easy tool changes.

| Length<br>[mm] | Width<br>[mm] | Height<br>[mm] |  | Item no. | Designation |
|----------------|---------------|----------------|-------------------------------------------------------------------------------------|----------|-------------|
| 180            | 145           | 40             | 1                                                                                   | 49500151 | PRS 151     |



## The quick way to find the perfect tool

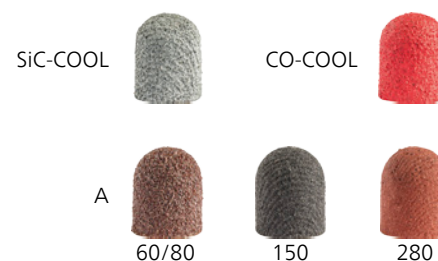
|                           |                                                |                                                                                                                                                                                          | Abrasive ▶ | Aluminium<br>oxide A | Ceramic oxide<br>grain CO-COOL | Silicon carbide<br>SiC-COOL |
|---------------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------|--------------------------------|-----------------------------|
| Material group ▼          |                                                |                                                                                                                                                                                          |            |                      |                                |                             |
| Steel,<br>cast steel      | Non-hardened,<br>non-heat-treated steels       | Construction steels, carbon steels, tool steels, non-alloyed<br>steels, cast steel                                                                                                       |            | •                    | ○                              |                             |
|                           | Hardened,<br>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,<br>non-ferrous metals | Soft aluminium alloys                                                                                                                                                                    |            | ○                    | ○                              | •                           |
|                           |                                                | Brass, copper, zinc                                                                                                                                                                      |            | •                    |                                |                             |
|                           | Hard non-ferrous metals                        | Hard aluminium alloys                                                                                                                                                                    |            | ○                    |                                | •                           |
|                           |                                                | Bronze, titanium                                                                                                                                                                         |            |                      | ○                              | •                           |
|                           | Hochwarmfeste Werkstoffe                       | Nickel-based and cobalt-based alloys                                                                                                                                                     |            |                      | •                              |                             |
| Cast iron                 | Grey cast iron,<br>white cast iron             | Cast iron with flake graphite EN-GJL (GG), with nodular<br>graphite/nodular cast iron EN-GJS (GGG), white annealed<br>cast iron EN-GJMW (GTW), black annealed cast iron<br>EN-GJMB (GTS) |            | •                    | ○                              |                             |
| Plastics, other materials |                                                | Fibre-reinforced plastics, thermoplastics, wood,<br>chipboard, paint                                                                                                                     |            | ○                    |                                | •                           |

• = highly suitable ○ = suitable

## Colour code

POLICAP abrasive caps are available in different types and with different grains.

- Silicon carbide (SiC-COOL) grey
  - Ceramic oxide grain (CO-COOL) red
  - Colour code for the grit sizes for aluminium oxide A:
- |       |           |
|-------|-----------|
| 60/80 | brown     |
| 150   | black     |
| 280   | red-brown |



## Safety notes

- The maximum permitted peripheral speed is 25 m/s.
- 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!







## Abrasive caps PC ZYA

POLICAP abrasive caps in cylindrical shape ZYA with aluminium oxide A as the abrasive. They have a seamless design and the entire tool surface can be used.

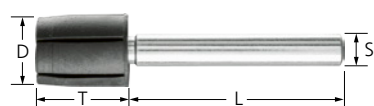


### Special features:

- The abrasive caps are firmly held in place on the holder as the holder expands during use, plus easy tool changes.
- Good dimensional stability and excellent fine grinding thanks to special manufacturing process.
- Optimally matched, reusable holders are available. The holder must be ordered separately.

| D [mm] | T [mm] | Abrasive | Grit size | Opt. RPM |  | Item no. | Designation       |
|--------|--------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------------|
| 5      | 10     | A        | 80        | 40,000   | 50                                                                                | 42301051 | PC ZYA 0510 A 80  |
|        |        |          | 150       | 40,000   | 50                                                                                | 42301052 | PC ZYA 0510 A 150 |
|        |        |          | 280       | 40,000   | 50                                                                                | 42301053 | PC ZYA 0510 A 280 |
| 7      | 12     | A        | 60        | 30,000   | 50                                                                                | 42301071 | PC ZYA 0712 A 60  |
|        |        |          | 150       | 30,000   | 50                                                                                | 42301072 | PC ZYA 0712 A 150 |
|        |        |          | 280       | 30,000   | 50                                                                                | 42301073 | PC ZYA 0712 A 280 |
| 10     | 15     | A        | 60        | 20,000   | 50                                                                                | 42301101 | PC ZYA 1015 A 60  |
|        |        |          | 150       | 20,000   | 50                                                                                | 42301102 | PC ZYA 1015 A 150 |
|        |        |          | 280       | 20,000   | 50                                                                                | 42301103 | PC ZYA 1015 A 280 |
| 13     | 17     | A        | 60        | 16,000   | 50                                                                                | 42301131 | PC ZYA 1317 A 60  |
|        |        |          | 150       | 16,000   | 50                                                                                | 42301132 | PC ZYA 1317 A 150 |
|        |        |          | 280       | 16,000   | 50                                                                                | 42301133 | PC ZYA 1317 A 280 |
| 16     | 26     | A        | 60        | 12,000   | 50                                                                                | 42301161 | PC ZYA 1626 A 60  |
|        |        |          | 150       | 12,000   | 50                                                                                | 42301162 | PC ZYA 1626 A 150 |
|        |        |          | 280       | 12,000   | 50                                                                                | 42301163 | PC ZYA 1626 A 280 |

## POLICAP abrasive cap holder (PCT), shape ZYA



## Abrasive cap holders PCT ZYA

Matching POLICAP abrasive cap holder in cylindrical shape ZYA.

### Special features:

- The abrasive caps are firmly held in place on the holder as the holder expands during use.
- Easy tool change.

| D [mm] | T [mm] | S [mm] | L [mm] | Max. RPM |  | Item no. | Designation      |
|--------|--------|--------|--------|----------|-------------------------------------------------------------------------------------|----------|------------------|
| 5      | 10     | 3      | 25     | 95,000   | 5                                                                                   | 42150000 | PCT ZYA 0510 A/3 |
| 7      | 12     | 3      | 25     | 65,000   | 5                                                                                   | 42150005 | PCT ZYA 0712 A/3 |
| 10     | 15     | 3      | 25     | 45,000   | 5                                                                                   | 42150010 | PCT ZYA 1015 A/3 |
| 13     | 17     | 6      | 40     | 35,000   | 5                                                                                   | 42151015 | PCT ZYA 1317 A/6 |
| 16     | 26     | 6      | 40     | 30,000   | 5                                                                                   | 42151020 | PCT ZYA 1626 A/6 |

# POLICAP

## POLICAP set (PCS), shape ZYA



### Set PCS ZYA

Set of various POLICAP abrasive caps with matching holder in cylindrical shape ZYA in sturdy, reusable packaging.



10 x 15 mm, 13 x 17 mm and 16 x 26 mm (grit sizes 60, 150, 280), ten pieces each of 5 x 10 mm and 7 x 12 mm (grit sizes 60 / 80 and 150, 280) and one each of the following POLICAP abrasive cap holders in cylindrical shape: 5 x 10 mm, 7 x 12 mm, 10 x 15 mm (each with shank dia. 3 mm), 13 x 17 mm and 16 x 26 mm (each with shank dia. 6 mm).

#### Special features:

- The abrasive caps are firmly held in place on the holder as the holder expands during use.
- Good dimensional stability and excellent fine grinding thanks to special manufacturing process.
- Easy tool change.

#### Contents:

Five each of the following cylindrical POLICAP abrasive caps in the following dimensions:

| Length [mm] | Width [mm] | Height [mm] |   | Item no. | Designation |
|-------------|------------|-------------|---|----------|-------------|
| 180         | 145        | 40          | 1 | 49601101 | PCS ZYA 110 |

## POLICAP (PC), shape WRC



### Abrasive caps PC WRC

POLICAP abrasive caps in cylindrical shape with radius end WRC. Available in aluminium 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.



#### Special features:

- The abrasive caps are firmly held in place on the holder as the holder expands during use, plus easy tool changes.
- Good dimensional stability and excellent fine grinding thanks to special manufacturing process.
- Optimally matched, reusable holders are available. The holder must be ordered separately.

| D [mm] | T [mm] | Abrasive | Grit size | Opt. RPM |  | Item no. | Designation |
|--------|--------|----------|-----------|----------|--|----------|-------------|
|--------|--------|----------|-----------|----------|--|----------|-------------|

#### Aluminium oxide A

|    |    |   |     |        |    |          |                   |
|----|----|---|-----|--------|----|----------|-------------------|
| 5  | 11 | A | 80  | 40,000 | 50 | 42302051 | PC WRC 0511 A 80  |
|    |    |   | 150 | 40,000 | 50 | 42302052 | PC WRC 0511 A 150 |
|    |    |   | 280 | 40,000 | 50 | 42302053 | PC WRC 0511 A 280 |
| 7  | 13 | A | 60  | 30,000 | 50 | 42302071 | PC WRC 0713 A 60  |
|    |    |   | 150 | 30,000 | 50 | 42302072 | PC WRC 0713 A 150 |
|    |    |   | 280 | 30,000 | 50 | 42302073 | PC WRC 0713 A 280 |
| 10 | 15 | A | 60  | 20,000 | 50 | 42302101 | PC WRC 1015 A 60  |
|    |    |   | 150 | 20,000 | 50 | 42302102 | PC WRC 1015 A 150 |
|    |    |   | 280 | 20,000 | 50 | 42302103 | PC WRC 1015 A 280 |
| 13 | 17 | A | 60  | 16,000 | 50 | 42302131 | PC WRC 1317 A 60  |
|    |    |   | 150 | 16,000 | 50 | 42302132 | PC WRC 1317 A 150 |
|    |    |   | 280 | 16,000 | 50 | 42302133 | PC WRC 1317 A 280 |
| 16 | 26 | A | 60  | 12,000 | 50 | 42302161 | PC WRC 1626 A 60  |

Continued on next page

| D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM |  | Item no. | Designation       |
|-----------|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|-------------------|
| 16        | 26        | A        | 150       | 12,000   | 50                                                                                | 42302162 | PC WRC 1626 A 150 |
|           |           |          | 280       | 12,000   | 50                                                                                | 42302163 | PC WRC 1626 A 280 |

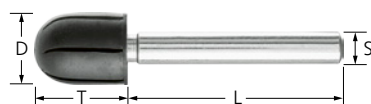
#### Silicon carbide SiC-COOL

|    |    |          |     |        |    |          |                          |
|----|----|----------|-----|--------|----|----------|--------------------------|
| 5  | 11 | SiC-COOL | 80  | 40,000 | 50 | 42302054 | PC WRC 0511 SiC-COOL 80  |
|    |    |          | 150 | 40,000 | 50 | 42302055 | PC WRC 0511 SiC-COOL 150 |
| 7  | 13 | SiC-COOL | 80  | 30,000 | 50 | 42302074 | PC WRC 0713 SiC-COOL 80  |
|    |    |          | 150 | 30,000 | 50 | 42302075 | PC WRC 0713 SiC-COOL 150 |
| 10 | 15 | SiC-COOL | 80  | 20,000 | 50 | 42302104 | PC WRC 1015 SiC-COOL 80  |
|    |    |          | 150 | 20,000 | 50 | 42302105 | PC WRC 1015 SiC-COOL 150 |
| 13 | 17 | SiC-COOL | 80  | 16,000 | 50 | 42302134 | PC WRC 1317 SiC-COOL 80  |
|    |    |          | 150 | 16,000 | 50 | 42302135 | PC WRC 1317 SiC-COOL 150 |
| 16 | 26 | SiC-COOL | 80  | 12,000 | 50 | 42302164 | PC WRC 1626 SiC-COOL 80  |
|    |    |          | 150 | 12,000 | 50 | 42302165 | PC WRC 1626 SiC-COOL 150 |

#### CO-COOL

|    |    |         |     |        |    |          |                         |
|----|----|---------|-----|--------|----|----------|-------------------------|
| 5  | 11 | CO-COOL | 80  | 40,000 | 50 | 42302056 | PC WRC 0511 CO-COOL 80  |
|    |    |         | 120 | 40,000 | 50 | 42302057 | PC WRC 0511 CO-COOL 120 |
| 7  | 13 | CO-COOL | 80  | 30,000 | 50 | 42302076 | PC WRC 0713 CO-COOL 80  |
|    |    |         | 120 | 30,000 | 50 | 42302077 | PC WRC 0713 CO-COOL 120 |
| 10 | 15 | CO-COOL | 80  | 20,000 | 50 | 42302106 | PC WRC 1015 CO-COOL 80  |
|    |    |         | 120 | 20,000 | 50 | 42302107 | PC WRC 1015 CO-COOL 120 |
| 13 | 17 | CO-COOL | 80  | 16,000 | 50 | 42302136 | PC WRC 1317 CO-COOL 80  |
|    |    |         | 120 | 16,000 | 50 | 42302137 | PC WRC 1317 CO-COOL 120 |
| 16 | 26 | CO-COOL | 80  | 12,000 | 50 | 42302166 | PC WRC 1626 CO-COOL 80  |
|    |    |         | 120 | 12,000 | 50 | 42302167 | PC WRC 1626 CO-COOL 120 |

## POLICAP abrasive cap holder (PCT), shape WRC



### Abrasive cap holder PCT WRC

Matching POLICAP abrasive cap holder in cylindrical shape with radius end WRC.

#### Special features:

- The abrasive caps are firmly held in place on the holder as the holder expands during use.

- Easy tool change.

| D<br>[mm] | T<br>[mm] | S<br>[mm] | L<br>[mm] | Max. RPM |  | Item no. | Designation       |
|-----------|-----------|-----------|-----------|----------|-------------------------------------------------------------------------------------|----------|-------------------|
| 5         | 11        | 2.35      | 40        | 30,000   | 5                                                                                   | 47601046 | PCT WRC 0511/2,35 |
|           |           | 3         | 25        | 95,000   | 5                                                                                   | 42150100 | PCT WRC 0511/3    |
| 7         | 13        | 2.35      | 40        | 24,500   | 5                                                                                   | 47601047 | PCT WRC 0713/2,35 |
|           |           | 3         | 25        | 65,000   | 5                                                                                   | 42150105 | PCT WRC 0713/3    |
| 10        | 15        | 2.35      | 40        | 17,500   | 5                                                                                   | 47601048 | PCT WRC 1015/2,35 |
|           |           | 3         | 25        | 45,000   | 5                                                                                   | 42150110 | PCT WRC 1015/3    |
| 13        | 17        | 2.35      | 40        | 13,750   | 5                                                                                   | 47601049 | PCT WRC 1317/2,35 |
|           |           | 6         | 40        | 35,000   | 5                                                                                   | 42151115 | PCT WRC 1317/6    |
| 16        | 26        | 6         | 40        | 30,000   | 5                                                                                   | 42151120 | PCT WRC 1626/6    |

# POLICAP

## POLICAP set (PCS), shape WRC



### Set PCS WRC

Set of various POLICAP abrasive caps with matching holder in cylindrical shape with radius end WRC in sturdy, reusable packaging.



13 x 17 mm and 16 x 26 mm (grit sizes 60, 150, 280), ten pieces each of 5 x 11 mm and 7 x 13 mm (grit sizes 60 / 80 and 150, 280) and one each of the following POLICAP abrasive cap holders in cylindrical shape with radius end: 5 x 11 mm, 7 x 13 mm, 10 x 15 mm (each with shank dia. 3 mm), 13 x 17 mm and 16 x 26 mm (each with shank dia. 6 mm).

#### Special features:

- The abrasive caps are firmly held in place on the holder as the holder expands during use.
- Good dimensional stability and excellent fine grinding thanks to special manufacturing process.
- Easy tool change.

#### Contents:

Five each of the following POLICAP abrasive caps in cylindrical shape with radius end in the following dimensions: 10 x 15 mm,

| Length [mm] | Width [mm] | Height [mm] |   | Item no. | Designation |
|-------------|------------|-------------|---|----------|-------------|
| 180         | 145        | 40          | 1 | 49601103 | PCS WRC 110 |

## POLICAP (PC), shape WKG



### Abrasive caps PC WKG

POLICAP abrasive caps in tapered conical shape with radius end WKG with aluminium oxide A as the abrasive. The taper angle of the cone is 30°. 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 tool changes.
- Good dimensional stability and excellent fine grinding thanks to special manufacturing process.
- Optimally matched, reusable holders are available. The holder must be ordered separately.

| D [mm] | T [mm] | Abrasive | Grit size | Opt. RPM |    | Item no. | Designation       |
|--------|--------|----------|-----------|----------|----|----------|-------------------|
| 5      | 11     | A        | 80        | 40,000   | 50 | 42303051 | PC WKG 0511 A 80  |
|        |        |          | 150       | 40,000   | 50 | 42303052 | PC WKG 0511 A 150 |
|        |        |          | 280       | 40,000   | 50 | 42303053 | PC WKG 0511 A 280 |
| 7      | 13     | A        | 60        | 30,000   | 50 | 42303071 | PC WKG 0713 A 60  |
|        |        |          | 150       | 30,000   | 50 | 42303072 | PC WKG 0713 A 150 |
|        |        |          | 280       | 30,000   | 50 | 42303073 | PC WKG 0713 A 280 |
| 10     | 15     | A        | 60        | 20,000   | 50 | 42303101 | PC WKG 1015 A 60  |
|        |        |          | 150       | 20,000   | 50 | 42303102 | PC WKG 1015 A 150 |
|        |        |          | 280       | 20,000   | 50 | 42303103 | PC WKG 1015 A 280 |
| 13     | 17     | A        | 60        | 16,000   | 50 | 42303131 | PC WKG 1317 A 60  |
|        |        |          | 150       | 16,000   | 50 | 42303132 | PC WKG 1317 A 150 |
|        |        |          | 280       | 16,000   | 50 | 42303133 | PC WKG 1317 A 280 |
| 16     | 26     | A        | 60        | 12,000   | 50 | 42303161 | PC WKG 1626 A 60  |
|        |        |          | 150       | 12,000   | 50 | 42303162 | PC WKG 1626 A 150 |
|        |        |          | 280       | 12,000   | 50 | 42303163 | PC WKG 1626 A 280 |

# POLICAP

## POLICAP abrasive cap holder (PCT), shape WKG



### Abrasive cap holders PCT WKG

Matching POLICAP abrasive cap holder in tapered conical shape with radius end WKG.

#### Special features:

- The abrasive caps are firmly held in place on the holder as the holder expands during use.

- Easy tool change.

| D<br>[mm] | T<br>[mm] | S<br>[mm] | L<br>[mm] | Max. RPM |   | Item no. | Designation         |
|-----------|-----------|-----------|-----------|----------|---|----------|---------------------|
| 5         | 11        | 3         | 25        | 95,000   | 5 | 42150200 | PCT WKG 0511 G/3    |
| 7         | 13        | 3         | 25        | 65,000   | 5 | 42150205 | PCT WKG 0713 G/3    |
| 10        | 15        | 3         | 25        | 45,000   | 5 | 42150210 | PCT WKG 1015 G/3    |
| 13        | 17        | 2.35      | 40        | 13,750   | 5 | 47601022 | PCT WKG 1317 G/2,35 |
|           |           | 6         | 40        | 35,000   | 5 | 42151215 | PCT WKG 1317 G/6    |
| 16        | 26        | 6         | 40        | 30,000   | 5 | 42151220 | PCT WKG 1626 G/6    |

## POLICAP set (PCS), shape WKG



### Set PCS WKG

Set of various POLICAP abrasive caps with matching holder in tapered conical shape with radius end WKG in sturdy, reusable packaging.

#### Contents:

Five each of the following POLICAP abrasive caps in tapered conical shape with radius end in the following dimensions: 10 x 15 mm, 13 x 17 mm and 16 x 26 mm (grit sizes 60, 150, 280), ten pieces each of 5 x 11 mm and 7 x 13 mm (grit sizes 60 / 80 and 150, 280) and one each of the following POLICAP abrasive cap holders in tapered conical shape with radius end: 5 x 11 mm, 7 x 13 mm, 10 x 15 mm (each with shank dia. 3 mm),

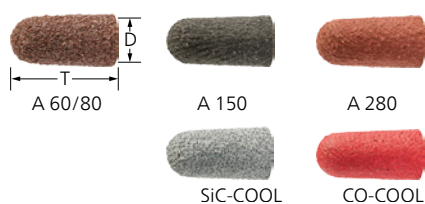
13 x 17 mm and 16 x 26 mm (each with shank dia. 6 mm).

#### Special features:

- The abrasive caps are firmly held in place on the holder as the holder expands during use.
- Good dimensional stability and excellent fine grinding thanks to special manufacturing process.
- Easy tool change.

| Length<br>[mm] | Width<br>[mm] | Height<br>[mm] |   | Item no. | Designation |
|----------------|---------------|----------------|---|----------|-------------|
| 180            | 145           | 40             | 1 | 49601107 | PCS WKG 110 |





## Abrasive caps PC KEL

POLICAP abrasive caps in conical shape with radius end KEL. Available in aluminium 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 tool changes.
- Good dimensional stability and excellent fine grinding thanks to special manufacturing process.
- Optimally matched, reusable holders are available. The holder must be ordered separately.

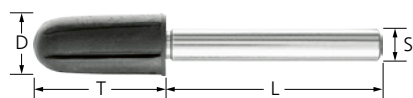
| D<br>[mm]                | T<br>[mm] | Abrasive | Grit size | Opt. RPM |  | Item no. | Designation              |
|--------------------------|-----------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|--------------------------|
| Aluminium oxide A        |           |          |           |          |                                                                                   |          |                          |
| 5                        | 15        | A        | 80        | 40,000   | 50                                                                                | 42306051 | PC KEL 0515 A 80         |
|                          |           |          | 150       | 40,000   | 50                                                                                | 42306052 | PC KEL 0515 A 150        |
|                          |           |          | 280       | 40,000   | 50                                                                                | 42306053 | PC KEL 0515 A 280        |
| 11                       | 25        | A        | 60        | 20,000   | 50                                                                                | 42306111 | PC KEL 1125 A 60         |
|                          |           |          | 150       | 20,000   | 50                                                                                | 42306112 | PC KEL 1125 A 150        |
|                          |           |          | 280       | 20,000   | 50                                                                                | 42306113 | PC KEL 1125 A 280        |
| 16                       | 32        | A        | 60        | 12,000   | 50                                                                                | 42306161 | PC KEL 1632 A 60         |
|                          |           |          | 150       | 12,000   | 50                                                                                | 42306162 | PC KEL 1632 A 150        |
|                          |           |          | 280       | 12,000   | 50                                                                                | 42306163 | PC KEL 1632 A 280        |
| 21                       | 40        | A        | 60        | 9,500    | 50                                                                                | 42306211 | PC KEL 2140 A 60         |
|                          |           |          | 150       | 9,500    | 50                                                                                | 42306212 | PC KEL 2140 A 150        |
|                          |           |          | 280       | 9,500    | 50                                                                                | 42306213 | PC KEL 2140 A 280        |
| Silicon carbide SiC-COOL |           |          |           |          |                                                                                   |          |                          |
| 5                        | 15        | SiC-COOL | 80        | 40,000   | 50                                                                                | 42306054 | PC KEL 0515 SiC-COOL 80  |
|                          |           |          | 150       | 40,000   | 50                                                                                | 42306055 | PC KEL 0515 SiC-COOL 150 |
| 11                       | 25        | SiC-COOL | 80        | 20,000   | 50                                                                                | 42306114 | PC KEL 1125 SiC-COOL 80  |
|                          |           |          | 150       | 20,000   | 50                                                                                | 42306115 | PC KEL 1125 SiC-COOL 150 |
| 16                       | 32        | SiC-COOL | 80        | 12,000   | 50                                                                                | 42306164 | PC KEL 1632 SiC-COOL 80  |
|                          |           |          | 150       | 12,000   | 50                                                                                | 42306165 | PC KEL 1632 SiC-COOL 150 |
| 21                       | 40        | SiC-COOL | 80        | 9,500    | 50                                                                                | 42306214 | PC KEL 2140 SiC-COOL 80  |
|                          |           |          | 150       | 9,500    | 50                                                                                | 42306215 | PC KEL 2140 SiC-COOL 150 |
| CO-COOL                  |           |          |           |          |                                                                                   |          |                          |
| 5                        | 15        | CO-COOL  | 80        | 40,000   | 50                                                                                | 42306056 | PC KEL 0515 CO-COOL 80   |
|                          |           |          | 120       | 40,000   | 50                                                                                | 42306057 | PC KEL 0515 CO-COOL 120  |
| 11                       | 25        | CO-COOL  | 80        | 20,000   | 50                                                                                | 42306116 | PC KEL 1125 CO-COOL 80   |
|                          |           |          | 120       | 20,000   | 50                                                                                | 42306117 | PC KEL 1125 CO-COOL 120  |
| 16                       | 32        | CO-COOL  | 80        | 12,000   | 50                                                                                | 42306166 | PC KEL 1632 CO-COOL 80   |
|                          |           |          | 120       | 12,000   | 50                                                                                | 42306167 | PC KEL 1632 CO-COOL 120  |
| 21                       | 40        | CO-COOL  | 80        | 9,500    | 50                                                                                | 42306216 | PC KEL 2140 CO-COOL 80   |
|                          |           |          | 120       | 9,500    | 50                                                                                | 42306217 | PC KEL 2140 CO-COOL 120  |



# POLICAP

## POLICAP abrasive cap holder (PCT), shape KEL

**PFERD  
TOOLS**



### Abrasive cap holder PCT KEL

Abrasive cap holder for POLICAP in conical shape with radius end KEL.

#### Special features:

- The abrasive caps and abrasive spiral bands are firmly held in place on the holder as the rubber surface offers optimal adhesion.

- Easy tool change.

| D<br>[mm] | T<br>[mm] | S<br>[mm] | L<br>[mm] | Max. RPM |  | Item no. | Designation    |
|-----------|-----------|-----------|-----------|----------|-----------------------------------------------------------------------------------|----------|----------------|
| 5         | 15        | 6         | 40        | 95,000   | 5                                                                                 | 42151400 | PCT KEL 0515/6 |
| 11        | 25        | 6         | 40        | 40,000   | 5                                                                                 | 42151410 | PCT KEL 1125/6 |
| 16        | 32        | 6         | 40        | 30,000   | 5                                                                                 | 42151420 | PCT KEL 1632/6 |
| 21        | 40        | 6         | 40        | 20,000   | 5                                                                                 | 42151430 | PCT KEL 2140/6 |

## POLICAP set (PCS)



### SET PCS 650

Set of various POLICAP abrasive caps with matching holder in sturdy, reusable packaging.



#### Contents:

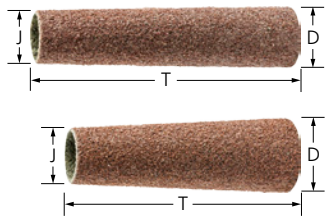
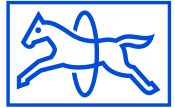
Ten each of POLICAP abrasive caps in cylindrical shape in 16 x 26 mm and in tapered conical shape with radius end in 16 x 26 mm (grit sizes 150 and 280), 25 pieces each in cylindrical shape PC ZYA 10 x 15 mm, 13 x 17 mm and in tapered conical shape with radius end 10 x 15 mm and 13 x 17 mm (grit sizes 150 and 280), 50 pieces each in cylindrical

shape 5 x 10 mm, 7 x 12 mm and in tapered conical shape with radius end 5 x 11 mm and 7 x 13 mm (grit sizes 150 and 280), one each of the following POLICAP abrasive cap holders in cylindrical shape: 5 x 10 mm, 7 x 12 mm, 10 x 15 mm (each with shank dia. 3 mm), 13 x 17 mm and 16 x 26 mm (each with shank dia. 6 mm) and in tapered conical shape with radius end: 5 x 11 mm, 7 x 13 mm, 10 x 15 mm (each with shank dia. 3 mm), 13 x 17 mm and 16 x 26 mm (each with shank dia. 6 mm).

#### Special features:

- The abrasive caps are firmly held in place on the holder as the holder expands during use.
- Good dimensional stability and excellent fine grinding thanks to special manufacturing process.
- Easy tool change.

| Length<br>[mm] | Width<br>[mm] | Height<br>[mm] |  | Item no. | Designation |
|----------------|---------------|----------------|-------------------------------------------------------------------------------------|----------|-------------|
| 332            | 235           | 50             | 1                                                                                   | 49606500 | SET PCS 650 |



### Abrasive spiral bands PCH

POLICAP abrasive spiral bands in conical shape with aluminium 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 tool changes.
- Good dimensional stability and excellent fine grinding thanks to special manufacturing process.
- Optimally matched, reusable holders are available. The holder must be ordered separately.

| D [mm] | J [mm] | T [mm] | Abrasive | Grit size | Opt. RPM |  | Item no. | Designation        |
|--------|--------|--------|----------|-----------|----------|-----------------------------------------------------------------------------------|----------|--------------------|
| 7      | 5      | 85     | A        | 60        | 12,000   | 10                                                                                | 42330052 | PCH 070585 L A 60  |
|        |        |        |          | 150       | 12,000   | 10                                                                                | 42330054 | PCH 070585 L A 150 |
|        |        |        |          | 280       | 12,000   | 10                                                                                | 42330056 | PCH 070585 L A 280 |
| 14     | 11     | 85     | A        | 60        | 12,000   | 10                                                                                | 42330112 | PCH 141185 L A 60  |
|        |        |        |          | 150       | 12,000   | 10                                                                                | 42330114 | PCH 141185 L A 150 |
| 20     | 15     | 65     | A        | 60        | 18,500   | 10                                                                                | 42333012 | PCH 201565 L A 60  |
|        |        |        |          | 150       | 18,500   | 10                                                                                | 42333014 | PCH 201565 L A 150 |
|        | 16     | 85     | A        | 60        | 12,000   | 10                                                                                | 42330162 | PCH 201685 L A 60  |
|        |        |        |          | 150       | 12,000   | 10                                                                                | 42330164 | PCH 201685 L A 150 |
| 24     | 21     | 85     | A        | 60        | 12,000   | 10                                                                                | 42330212 | PCH 242185 L A 60  |
|        |        |        |          | 150       | 12,000   | 10                                                                                | 42330214 | PCH 242185 L A 150 |
| 36     | 22     | 65     | A        | 60        | 13,000   | 10                                                                                | 42333212 | PCH 362265 L A 60  |

## POLICAP rubber drum holder (PCT), shape KEL



### POLICAP rubber drum holder PCT

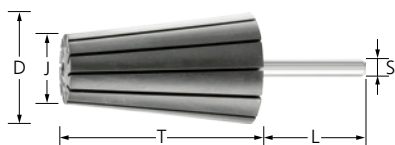
Matching POLICAP rubber drum holder in conical shape with radius end KEL.

#### Special features:

- The abrasive spiral bands are firmly held in place on the holder as the holder expands during use.

| D [mm] | T [mm] | S [mm] | L [mm] | Max. RPM |  | Item no. | Designation    |
|--------|--------|--------|--------|----------|-------------------------------------------------------------------------------------|----------|----------------|
| 8      | 85     | 6      | 40     | 20,000   | 5                                                                                   | 42152100 | PCT KEL 0585/6 |
| 13     | 85     | 6      | 40     | 15,000   | 5                                                                                   | 42152110 | PCT KEL 1185/6 |
| 18     | 85     | 6      | 40     | 13,000   | 5                                                                                   | 42152120 | PCT KEL 1685/6 |
| 23     | 85     | 6      | 30     | 12,000   | 5                                                                                   | 42152130 | PCT KEL 2185/6 |

## Rubber drum holder GK, conical shape



### Rubber drum holder GK

Rubber drum holder for POLICAP in conical shape.

#### Special features:

- The abrasive spiral bands are firmly held in place on the holder as the holder expands during use.
- Easy tool change.

| D [mm] | J [mm] | T [mm] | S [mm] | L [mm] | Hardness [Shore A] | Max. RPM | Min. RPM [RPM] |  | Item no. | Designation |
|--------|--------|--------|--------|--------|--------------------|----------|----------------|---------------------------------------------------------------------------------------|----------|-------------|
| 20     | 14     | 63     | 6      | 40     | 65-70              | 26,000   | 19,000         | 5                                                                                     | 42119500 | GK 201463/6 |
| 36     | 22     | 60     | 6      | 40     | 65-70              | 15,900   | 10,000         | 5                                                                                     | 42122000 | GK 362260/6 |

### The quick way to find the perfect tool

|                           |                                             |                                                                                                                                                                                 | Abrasive ▶        |                         |                             |                          |
|---------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------|-----------------------------|--------------------------|
| Material group ▼          |                                             |                                                                                                                                                                                 | Aluminium 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 aluminium alloys                                                                                                                                                           | ○                 |                         |                             | ●                        |
|                           |                                             | Brass, copper, zinc                                                                                                                                                             | ●                 | ○                       | ○                           |                          |
|                           | Hard non-ferrous metals                     | Hard aluminium 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 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) | ●                 | ○                       | ●                           |                          |
| Plastics, other materials |                                             | Fibre-reinforced plastics, thermoplastics, wood, chipboard, paint                                                                                                               | ○                 |                         |                             | ●                        |

● = highly suitable ○ = suitable

## Mounted flap wheels F

### Safety notes

- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.
- The contact pressure must be significantly reduced if the specified optimum rotational speed is exceeded.
- Safety can only be guaranteed if the clamping length is at least 15 mm and the specified maximum rotational speed is not exceeded with unsupported shank lengths.



Wear eye protection!



Wear hearing protection!



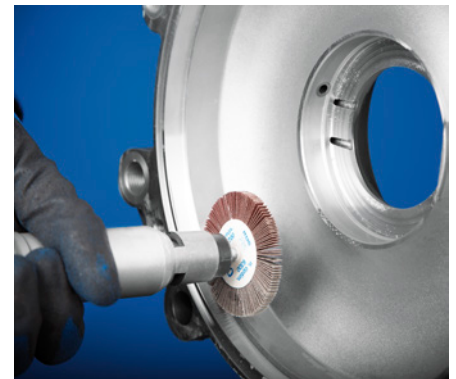
Wear gloves!



Wear a dust mask!

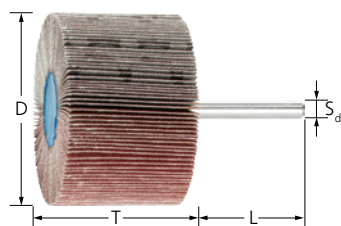


Follow the safety instructions!



# Flap tools

## Mounted flap wheels F



### Aluminium oxide A version

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:

- Highly flexible, enabling optimal adjustment to the contour.
- Consistently high stock removal rate over the entire tool life as new, aggressive abrasive is constantly exposed.
- Can be used face-down very close to edges and in corners thanks to the flat, moulded-core design.

| S <sub>d</sub><br>[mm] | L<br>[mm] | D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation    |
|------------------------|-----------|-----------|-----------|----------|-----------|----------|-------------|------------------------------------------------------------------------------------|----------|----------------|
| 3                      | 40        | 10        | 10        | A        | 60        | 38,000   | 75,000      | 10                                                                                 | 44400002 | F 1010/3 A 60  |
|                        |           |           |           |          | 80        | 38,000   | 75,000      | 10                                                                                 | 44400003 | F 1010/3 A 80  |
|                        |           |           |           |          | 120       | 38,000   | 75,000      | 10                                                                                 | 44400004 | F 1010/3 A 120 |
|                        |           |           |           |          | 150       | 38,000   | 75,000      | 10                                                                                 | 44400005 | F 1010/3 A 150 |
|                        |           |           |           |          | 180       | 38,000   | 75,000      | 10                                                                                 | 44400006 | F 1010/3 A 180 |
|                        |           |           |           |          | 320       | 38,000   | 75,000      | 10                                                                                 | 44400008 | F 1010/3 A 320 |
|                        |           |           | 15        | A        | 60        | 38,000   | 75,000      | 10                                                                                 | 44400012 | F 1015/3 A 60  |
|                        |           |           |           |          | 80        | 38,000   | 75,000      | 10                                                                                 | 44400013 | F 1015/3 A 80  |
|                        |           |           |           |          | 120       | 38,000   | 75,000      | 10                                                                                 | 44400014 | F 1015/3 A 120 |
|                        |           |           |           |          | 150       | 38,000   | 75,000      | 10                                                                                 | 44400015 | F 1015/3 A 150 |
|                        |           |           |           |          | 180       | 38,000   | 75,000      | 10                                                                                 | 44400016 | F 1015/3 A 180 |
|                        |           |           |           |          | 320       | 38,000   | 75,000      | 10                                                                                 | 44400018 | F 1015/3 A 320 |
|                        |           | 15        | 5         | A        | 60        | 25,000   | 50,000      | 10                                                                                 | 44400022 | F 1505/3 A 60  |
|                        |           |           |           |          | 80        | 25,000   | 50,000      | 10                                                                                 | 44400023 | F 1505/3 A 80  |
|                        |           |           |           |          | 120       | 25,000   | 50,000      | 10                                                                                 | 44400024 | F 1505/3 A 120 |
|                        |           |           |           |          | 150       | 25,000   | 50,000      | 10                                                                                 | 44400025 | F 1505/3 A 150 |
|                        |           |           |           |          | 180       | 25,000   | 50,000      | 10                                                                                 | 44400026 | F 1505/3 A 180 |
|                        |           |           |           |          | 320       | 25,000   | 50,000      | 10                                                                                 | 44400028 | F 1505/3 A 320 |
|                        |           |           | 10        | A        | 60        | 25,000   | 50,000      | 10                                                                                 | 44400032 | F 1510/3 A 60  |
|                        |           |           |           |          | 80        | 25,000   | 50,000      | 10                                                                                 | 44400033 | F 1510/3 A 80  |
|                        |           |           |           |          | 120       | 25,000   | 50,000      | 10                                                                                 | 44400034 | F 1510/3 A 120 |
|                        |           |           |           |          | 150       | 25,000   | 50,000      | 10                                                                                 | 44400035 | F 1510/3 A 150 |
|                        |           |           |           |          | 180       | 25,000   | 50,000      | 10                                                                                 | 44400036 | F 1510/3 A 180 |
|                        |           |           |           |          | 320       | 25,000   | 50,000      | 10                                                                                 | 44400038 | F 1510/3 A 320 |
|                        |           |           | 15        | A        | 60        | 25,000   | 50,000      | 10                                                                                 | 44400042 | F 1515/3 A 60  |
|                        |           |           |           |          | 80        | 25,000   | 50,000      | 10                                                                                 | 44400043 | F 1515/3 A 80  |
|                        |           |           |           |          | 120       | 25,000   | 50,000      | 10                                                                                 | 44400044 | F 1515/3 A 120 |
|                        |           |           |           |          | 150       | 25,000   | 50,000      | 10                                                                                 | 44400045 | F 1515/3 A 150 |
|                        |           |           |           |          | 180       | 25,000   | 50,000      | 10                                                                                 | 44400046 | F 1515/3 A 180 |
|                        |           |           |           |          | 320       | 25,000   | 50,000      | 10                                                                                 | 44400048 | F 1515/3 A 320 |
|                        |           | 20        | 10        | A        | 80        | 19,000   | 38,100      | 10                                                                                 | 47801206 | F 2010/3 A 80  |
|                        |           |           |           |          | 120       | 19,000   | 38,100      | 10                                                                                 | 44400123 | F 2010/3 A 120 |
|                        |           |           |           |          | 150       | 19,000   | 38,100      | 10                                                                                 | 44400153 | F 2010/3 A 150 |
|                        |           |           |           |          | 180       | 19,000   | 38,100      | 10                                                                                 | 44400183 | F 2010/3 A 180 |
|                        |           |           |           |          | 240       | 19,000   | 38,100      | 10                                                                                 | 47801527 | F 2010/3 A 240 |
|                        |           |           |           |          | 320       | 19,000   | 38,100      | 10                                                                                 | 47801528 | F 2010/3 A 320 |
|                        |           | 30        | 5         | A        | 60        | 12,000   | 25,400      | 10                                                                                 | 44401063 | F 3005/3 A 60  |
|                        |           |           |           |          | 80        | 12,000   | 25,400      | 10                                                                                 | 44401083 | F 3005/3 A 80  |
|                        |           |           |           |          | 120       | 12,000   | 25,400      | 10                                                                                 | 44401123 | F 3005/3 A 120 |
|                        |           |           |           |          | 150       | 12,000   | 25,400      | 10                                                                                 | 44401153 | F 3005/3 A 150 |
|                        |           |           |           |          | 180       | 12,000   | 25,400      | 10                                                                                 | 44401183 | F 3005/3 A 180 |

Continued on next page





# Flap tools

## Mounted flap wheels F



| S <sub>d</sub><br>[mm] | L<br>[mm] | D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation    |
|------------------------|-----------|-----------|-----------|----------|-----------|----------|-------------|------------------------------------------------------------------------------------|----------|----------------|
| 3                      | 40        | 30        | 5         | A        | 240       | 12,000   | 25,400      | 10                                                                                 | 44401243 | F 3005/3 A 240 |
|                        |           |           |           |          | 320       | 12,000   | 25,400      | 10                                                                                 | 44401323 | F 3005/3 A 320 |
|                        |           |           | 10        | A        | 60        | 12,000   | 25,400      | 10                                                                                 | 44402063 | F 3010/3 A 60  |
|                        |           |           |           |          | 80        | 12,000   | 25,400      | 10                                                                                 | 44402083 | F 3010/3 A 80  |
|                        |           |           |           |          | 120       | 12,000   | 25,400      | 10                                                                                 | 44402123 | F 3010/3 A 120 |
|                        |           |           |           |          | 150       | 12,000   | 25,400      | 10                                                                                 | 44402153 | F 3010/3 A 150 |
|                        |           |           |           |          | 180       | 12,000   | 25,400      | 10                                                                                 | 44402183 | F 3010/3 A 180 |
|                        |           |           |           |          | 240       | 12,000   | 25,400      | 10                                                                                 | 44402243 | F 3010/3 A 240 |
|                        |           |           |           |          | 320       | 12,000   | 25,400      | 10                                                                                 | 44402323 | F 3010/3 A 320 |
| 6                      | 40        | 20        | 10        | A        | 60        | 19,000   | 38,100      | 10                                                                                 | 47801067 | F 2010/6 A 60  |
|                        |           |           |           |          | 80        | 19,000   | 38,100      | 10                                                                                 | 44400086 | F 2010/6 A 80  |
|                        |           |           |           |          | 120       | 19,000   | 38,100      | 10                                                                                 | 44400126 | F 2010/6 A 120 |
|                        |           |           |           |          | 150       | 19,000   | 38,100      | 10                                                                                 | 44400156 | F 2010/6 A 150 |
|                        |           |           |           |          | 180       | 19,000   | 38,100      | 10                                                                                 | 44400186 | F 2010/6 A 180 |
|                        |           | 25        | 10        | A        | 80        | 15,000   | 30,500      | 10                                                                                 | 44405086 | F 2510/6 A 80  |
|                        |           |           |           |          | 120       | 15,000   | 30,500      | 10                                                                                 | 44405126 | F 2510/6 A 120 |
|                        |           |           |           |          | 180       | 15,000   | 30,500      | 10                                                                                 | 44405186 | F 2510/6 A 180 |
|                        |           |           | 15        | A        | 40        | 15,000   | 30,500      | 10                                                                                 | 47801544 | F 2515/6 A 40  |
|                        |           |           |           |          | 80        | 15,000   | 30,500      | 10                                                                                 | 44406086 | F 2515/6 A 80  |
|                        |           |           |           |          | 120       | 15,000   | 30,500      | 10                                                                                 | 44406126 | F 2515/6 A 120 |
|                        |           |           |           |          | 150       | 15,000   | 30,500      | 10                                                                                 | 44406156 | F 2515/6 A 150 |
|                        |           |           |           |          | 180       | 15,000   | 30,500      | 10                                                                                 | 44406186 | F 2515/6 A 180 |
|                        |           |           | 20        | A        | 80        | 15,000   | 30,500      | 10                                                                                 | 44415086 | F 2520/6 A 80  |
|                        |           |           |           |          | 120       | 15,000   | 30,500      | 10                                                                                 | 44415126 | F 2520/6 A 120 |
|                        |           |           |           |          | 180       | 15,000   | 30,500      | 10                                                                                 | 44415186 | F 2520/6 A 180 |
|                        |           |           | 25        | A        | 60        | 15,000   | 30,500      | 10                                                                                 | 47801818 | F 2525/6 A 60  |
|                        |           |           |           |          | 80        | 15,000   | 30,500      | 10                                                                                 | 44410086 | F 2525/6 A 80  |
|                        |           |           |           |          | 120       | 15,000   | 30,500      | 10                                                                                 | 44410126 | F 2525/6 A 120 |
|                        |           |           |           |          | 150       | 15,000   | 30,500      | 10                                                                                 | 44410156 | F 2525/6 A 150 |
|                        |           |           |           |          | 180       | 15,000   | 30,500      | 10                                                                                 | 44410186 | F 2525/6 A 180 |
|                        |           | 30        | 3         | A        | 80        | 12,000   | 25,400      | 10                                                                                 | 44416086 | F 3003/6 A 80  |
|                        |           |           |           |          | 120       | 12,000   | 25,400      | 10                                                                                 | 44416126 | F 3003/6 A 120 |
|                        |           |           |           |          | 150       | 12,000   | 25,400      | 10                                                                                 | 44416156 | F 3003/6 A 150 |
|                        |           |           |           |          | 180       | 12,000   | 25,400      | 10                                                                                 | 44416186 | F 3003/6 A 180 |
|                        |           |           |           |          | 240       | 12,000   | 25,400      | 10                                                                                 | 44416246 | F 3003/6 A 240 |
|                        |           |           |           |          | 320       | 12,000   | 25,400      | 10                                                                                 | 44416326 | F 3003/6 A 320 |
|                        |           |           | 5         | A        | 60        | 12,000   | 25,400      | 10                                                                                 | 44401066 | F 3005/6 A 60  |
|                        |           |           |           |          | 80        | 12,000   | 25,400      | 10                                                                                 | 44401086 | F 3005/6 A 80  |
|                        |           |           |           |          | 120       | 12,000   | 25,400      | 10                                                                                 | 44401126 | F 3005/6 A 120 |
|                        |           |           |           |          | 150       | 12,000   | 25,400      | 10                                                                                 | 44401156 | F 3005/6 A 150 |
|                        |           |           |           |          | 180       | 12,000   | 25,400      | 10                                                                                 | 44401186 | F 3005/6 A 180 |
|                        |           |           |           |          | 240       | 12,000   | 25,400      | 10                                                                                 | 44401246 | F 3005/6 A 240 |
|                        |           |           | 10        | A        | 320       | 12,000   | 25,400      | 10                                                                                 | 44401326 | F 3005/6 A 320 |
|                        |           |           |           |          | 60        | 12,000   | 25,400      | 10                                                                                 | 44402066 | F 3010/6 A 60  |
|                        |           |           |           |          | 80        | 12,000   | 25,400      | 10                                                                                 | 44402086 | F 3010/6 A 80  |
|                        |           |           |           |          | 120       | 12,000   | 25,400      | 10                                                                                 | 44402126 | F 3010/6 A 120 |
|                        |           |           |           |          | 150       | 12,000   | 25,400      | 10                                                                                 | 44402156 | F 3010/6 A 150 |
|                        |           |           |           |          | 180       | 12,000   | 25,400      | 10                                                                                 | 44402186 | F 3010/6 A 180 |
|                        |           |           |           |          | 240       | 12,000   | 25,400      | 10                                                                                 | 44402246 | F 3010/6 A 240 |
|                        |           |           | 15        | A        | 320       | 12,000   | 25,400      | 10                                                                                 | 44402326 | F 3010/6 A 320 |
|                        |           |           |           |          | 400       | 12,000   | 25,400      | 10                                                                                 | 44402406 | F 3010/6 A 400 |
|                        |           |           |           |          | 40        | 12,000   | 25,400      | 10                                                                                 | 47801545 | F 3015/6 A 40  |
|                        |           |           |           |          | 60        | 12,000   | 25,400      | 10                                                                                 | 44409066 | F 3015/6 A 60  |
|                        |           |           |           |          | 80        | 12,000   | 25,400      | 10                                                                                 | 44409086 | F 3015/6 A 80  |

Continued on next page

# Flap tools

## Mounted flap wheels F



| S <sub>d</sub><br>[mm] | L<br>[mm] | D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation    |
|------------------------|-----------|-----------|-----------|----------|-----------|----------|-------------|------------------------------------------------------------------------------------|----------|----------------|
| 6                      | 40        | 30        | 15        | A        | 120       | 12,000   | 25,400      | 10                                                                                 | 44409126 | F 3015/6 A 120 |
|                        |           |           |           |          | 150       | 12,000   | 25,400      | 10                                                                                 | 44409156 | F 3015/6 A 150 |
|                        |           |           |           |          | 180       | 12,000   | 25,400      | 10                                                                                 | 44409186 | F 3015/6 A 180 |
|                        |           |           |           |          | 240       | 12,000   | 25,400      | 10                                                                                 | 44409246 | F 3015/6 A 240 |
|                        |           |           |           |          | 320       | 12,000   | 25,400      | 10                                                                                 | 44409326 | F 3015/6 A 320 |
|                        |           |           | 20        | A        | 40        | 12,000   | 25,400      | 10                                                                                 | 47802247 | F 3020/6 A 40  |
|                        |           |           |           |          | 60        | 12,000   | 25,400      | 10                                                                                 | 47802248 | F 3020/6 A 60  |
|                        |           |           |           |          | 150       | 12,000   | 25,400      | 10                                                                                 | 47802249 | F 3020/6 A 150 |
|                        |           |           |           |          | 180       | 12,000   | 25,400      | 10                                                                                 | 47802250 | F 3020/6 A 180 |
|                        |           |           |           |          | 240       | 12,000   | 25,400      | 10                                                                                 | 47802251 | F 3020/6 A 240 |
|                        |           |           |           |          | 320       | 12,000   | 25,400      | 10                                                                                 | 47802252 | F 3020/6 A 320 |
|                        |           |           | 30        | A        | 60        | 12,000   | 25,400      | 10                                                                                 | 44411066 | F 3030/6 A 60  |
|                        |           |           |           |          | 80        | 12,000   | 25,400      | 10                                                                                 | 44411086 | F 3030/6 A 80  |
|                        |           |           |           |          | 120       | 12,000   | 25,400      | 10                                                                                 | 44411126 | F 3030/6 A 120 |
|                        |           |           |           |          | 150       | 12,000   | 25,400      | 10                                                                                 | 44411156 | F 3030/6 A 150 |
|                        |           |           |           |          | 180       | 12,000   | 25,400      | 10                                                                                 | 44411186 | F 3030/6 A 180 |
|                        |           |           |           |          | 240       | 12,000   | 25,400      | 10                                                                                 | 44411246 | F 3030/6 A 240 |
|                        |           |           |           |          | 320       | 12,000   | 25,400      | 10                                                                                 | 44411326 | F 3030/6 A 320 |
|                        |           | 40        | 10        | A        | 60        | 9,600    | 19,100      | 10                                                                                 | 44403066 | F 4010/6 A 60  |
|                        |           |           |           |          | 80        | 9,600    | 19,100      | 10                                                                                 | 44403086 | F 4010/6 A 80  |
|                        |           |           |           |          | 120       | 9,600    | 19,100      | 10                                                                                 | 44403126 | F 4010/6 A 120 |
|                        |           |           |           |          | 150       | 9,600    | 19,100      | 10                                                                                 | 44403156 | F 4010/6 A 150 |
|                        |           |           |           |          | 180       | 9,600    | 19,100      | 10                                                                                 | 44403186 | F 4010/6 A 180 |
|                        |           |           |           |          | 240       | 9,600    | 19,100      | 10                                                                                 | 44403246 | F 4010/6 A 240 |
|                        |           |           | 15        | A        | 40        | 9,600    | 19,100      | 10                                                                                 | 47801215 | F 4015/6 A 40  |
|                        |           |           |           |          | 60        | 9,600    | 19,100      | 10                                                                                 | 44404066 | F 4015/6 A 60  |
|                        |           |           |           |          | 80        | 9,600    | 19,100      | 10                                                                                 | 44404086 | F 4015/6 A 80  |
|                        |           |           |           |          | 120       | 9,600    | 19,100      | 10                                                                                 | 44404126 | F 4015/6 A 120 |
|                        |           |           |           |          | 150       | 9,600    | 19,100      | 10                                                                                 | 44404156 | F 4015/6 A 150 |
|                        |           |           |           |          | 180       | 9,600    | 19,100      | 10                                                                                 | 44404186 | F 4015/6 A 180 |
|                        |           |           |           |          | 240       | 9,600    | 19,100      | 10                                                                                 | 44404246 | F 4015/6 A 240 |
|                        |           |           |           |          | 320       | 9,600    | 19,100      | 10                                                                                 | 44404326 | F 4015/6 A 320 |
|                        |           |           | 20        | A        | 40        | 9,600    | 19,100      | 10                                                                                 | 44408046 | F 4020/6 A 40  |
|                        |           |           |           |          | 60        | 9,600    | 19,100      | 10                                                                                 | 44408066 | F 4020/6 A 60  |
|                        |           |           |           |          | 80        | 9,600    | 19,100      | 10                                                                                 | 44408086 | F 4020/6 A 80  |
|                        |           |           |           |          | 120       | 9,600    | 19,100      | 10                                                                                 | 44408126 | F 4020/6 A 120 |
|                        |           |           |           |          | 150       | 9,600    | 19,100      | 10                                                                                 | 44408156 | F 4020/6 A 150 |
|                        |           |           |           |          | 180       | 9,600    | 19,100      | 10                                                                                 | 44408186 | F 4020/6 A 180 |
|                        |           |           |           |          | 240       | 9,600    | 19,100      | 10                                                                                 | 44408246 | F 4020/6 A 240 |
|                        |           | 50        | 5         | A        | 60        | 7,000    | 15,200      | 10                                                                                 | 44418066 | F 5005/6 A 60  |
|                        |           |           |           |          | 80        | 7,000    | 15,200      | 10                                                                                 | 44418086 | F 5005/6 A 80  |
|                        |           |           |           |          | 120       | 7,000    | 15,200      | 10                                                                                 | 44418126 | F 5005/6 A 120 |
|                        |           |           |           |          | 150       | 7,000    | 15,200      | 10                                                                                 | 44418156 | F 5005/6 A 150 |
|                        |           |           |           |          | 180       | 7,000    | 15,200      | 10                                                                                 | 44418186 | F 5005/6 A 180 |
|                        |           |           |           |          | 240       | 7,000    | 15,200      | 10                                                                                 | 44418246 | F 5005/6 A 240 |
|                        |           |           |           |          | 320       | 7,000    | 15,200      | 10                                                                                 | 44418326 | F 5005/6 A 320 |
|                        |           |           | 10        | A        | 60        | 7,000    | 15,200      | 10                                                                                 | 44505066 | F 5010/6 A 60  |
|                        |           |           |           |          | 80        | 7,000    | 15,200      | 10                                                                                 | 44505086 | F 5010/6 A 80  |
|                        |           |           |           |          | 120       | 7,000    | 15,200      | 10                                                                                 | 44505126 | F 5010/6 A 120 |
|                        |           |           |           |          | 150       | 7,000    | 15,200      | 10                                                                                 | 44505156 | F 5010/6 A 150 |
|                        |           |           |           |          | 180       | 7,000    | 15,200      | 10                                                                                 | 44505186 | F 5010/6 A 180 |
|                        |           |           |           |          | 240       | 7,000    | 15,200      | 10                                                                                 | 44505246 | F 5010/6 A 240 |
|                        |           |           |           |          | 320       | 7,000    | 15,200      | 10                                                                                 | 44505326 | F 5010/6 A 320 |
|                        |           |           | 15        | A        | 40        | 7,000    | 15,200      | 10                                                                                 | 47801221 | F 5015/6 A 40  |

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# Flap tools

## Mounted flap wheels F



| S <sub>d</sub><br>[mm] | L<br>[mm] | D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation    |
|------------------------|-----------|-----------|-----------|----------|-----------|----------|-------------|------------------------------------------------------------------------------------|----------|----------------|
| 6                      | 40        | 50        | 15        | A        | 60        | 7,000    | 15,200      | 10                                                                                 | 44506066 | F 5015/6 A 60  |
|                        |           |           |           |          | 80        | 7,000    | 15,200      | 10                                                                                 | 44506086 | F 5015/6 A 80  |
|                        |           |           |           |          | 120       | 7,000    | 15,200      | 10                                                                                 | 44506126 | F 5015/6 A 120 |
|                        |           |           |           |          | 150       | 7,000    | 15,200      | 10                                                                                 | 44506156 | F 5015/6 A 150 |
|                        |           |           |           |          | 180       | 7,000    | 15,200      | 10                                                                                 | 44506186 | F 5015/6 A 180 |
|                        |           |           |           |          | 240       | 7,000    | 15,200      | 10                                                                                 | 44506246 | F 5015/6 A 240 |
|                        |           |           |           |          | 320       | 7,000    | 15,200      | 10                                                                                 | 44506326 | F 5015/6 A 320 |
|                        |           |           | 20        | A        | 40        | 7,000    | 15,200      | 10                                                                                 | 47801224 | F 5020/6 A 40  |
|                        |           |           |           |          | 60        | 7,000    | 15,200      | 10                                                                                 | 44504066 | F 5020/6 A 60  |
|                        |           |           |           |          | 80        | 7,000    | 15,200      | 10                                                                                 | 44504086 | F 5020/6 A 80  |
|                        |           |           |           |          | 120       | 7,000    | 15,200      | 10                                                                                 | 44504126 | F 5020/6 A 120 |
|                        |           |           |           |          | 150       | 7,000    | 15,200      | 10                                                                                 | 44504156 | F 5020/6 A 150 |
|                        |           |           |           |          | 180       | 7,000    | 15,200      | 10                                                                                 | 44504186 | F 5020/6 A 180 |
|                        |           |           |           |          | 320       | 7,000    | 15,200      | 10                                                                                 | 44504326 | F 5020/6 A 320 |
|                        |           |           | 30        | A        | 40        | 7,000    | 15,200      | 10                                                                                 | 44411546 | F 5030/6 A 40  |
|                        |           |           |           |          | 60        | 7,000    | 15,200      | 10                                                                                 | 44503066 | F 5030/6 A 60  |
|                        |           |           |           |          | 80        | 7,000    | 15,200      | 10                                                                                 | 44503086 | F 5030/6 A 80  |
|                        |           |           |           |          | 120       | 7,000    | 15,200      | 10                                                                                 | 44503126 | F 5030/6 A 120 |
|                        |           |           |           |          | 150       | 7,000    | 15,200      | 10                                                                                 | 44503156 | F 5030/6 A 150 |
|                        |           |           |           |          | 180       | 7,000    | 15,200      | 10                                                                                 | 44503186 | F 5030/6 A 180 |
|                        |           |           |           |          | 240       | 7,000    | 15,200      | 10                                                                                 | 44503246 | F 5030/6 A 240 |
|                        |           |           |           |          | 320       | 7,000    | 15,200      | 10                                                                                 | 44503326 | F 5030/6 A 320 |
|                        |           | 60        | 5         | A        | 60        | 6,300    | 12,700      | 10                                                                                 | 44419066 | F 6005/6 A 60  |
|                        |           |           |           |          | 80        | 6,300    | 12,700      | 10                                                                                 | 44419086 | F 6005/6 A 80  |
|                        |           |           |           |          | 120       | 6,300    | 12,700      | 10                                                                                 | 44419126 | F 6005/6 A 120 |
|                        |           |           |           |          | 150       | 6,300    | 12,700      | 10                                                                                 | 44419156 | F 6005/6 A 150 |
|                        |           |           |           |          | 180       | 6,300    | 12,700      | 10                                                                                 | 44419186 | F 6005/6 A 180 |
|                        |           |           | 15        | A        | 60        | 6,300    | 12,700      | 10                                                                                 | 44507066 | F 6015/6 A 60  |
|                        |           |           |           |          | 80        | 6,300    | 12,700      | 10                                                                                 | 44507086 | F 6015/6 A 80  |
|                        |           |           |           |          | 120       | 6,300    | 12,700      | 10                                                                                 | 44507126 | F 6015/6 A 120 |
|                        |           |           |           |          | 150       | 6,300    | 12,700      | 10                                                                                 | 44507156 | F 6015/6 A 150 |
|                        |           |           |           |          | 240       | 6,300    | 12,700      | 10                                                                                 | 44507246 | F 6015/6 A 240 |
|                        |           |           |           |          | 320       | 6,300    | 12,700      | 10                                                                                 | 44507326 | F 6015/6 A 320 |
|                        |           |           | 20        | A        | 40        | 6,300    | 12,700      | 10                                                                                 | 47801077 | F 6020/6 A 40  |
|                        |           |           |           |          | 60        | 6,300    | 12,700      | 10                                                                                 | 44508066 | F 6020/6 A 60  |
|                        |           |           |           |          | 80        | 6,300    | 12,700      | 10                                                                                 | 44508086 | F 6020/6 A 80  |
|                        |           |           |           |          | 120       | 6,300    | 12,700      | 10                                                                                 | 44508126 | F 6020/6 A 120 |
|                        |           |           |           |          | 150       | 6,300    | 12,700      | 10                                                                                 | 44508156 | F 6020/6 A 150 |
|                        |           |           |           |          | 240       | 6,300    | 12,700      | 10                                                                                 | 44508246 | F 6020/6 A 240 |
|                        |           |           |           |          | 320       | 6,300    | 12,700      | 10                                                                                 | 44508326 | F 6020/6 A 320 |
|                        |           |           | 30        | A        | 40        | 6,300    | 12,700      | 10                                                                                 | 44509046 | F 6030/6 A 40  |
|                        |           |           |           |          | 60        | 6,300    | 12,700      | 10                                                                                 | 44509066 | F 6030/6 A 60  |
|                        |           |           |           |          | 80        | 6,300    | 12,700      | 10                                                                                 | 44509086 | F 6030/6 A 80  |
|                        |           |           |           |          | 120       | 6,300    | 12,700      | 10                                                                                 | 44509126 | F 6030/6 A 120 |
|                        |           |           |           |          | 150       | 6,300    | 12,700      | 10                                                                                 | 44509156 | F 6030/6 A 150 |
|                        |           |           |           |          | 180       | 6,300    | 12,700      | 10                                                                                 | 44509186 | F 6030/6 A 180 |
|                        |           |           |           |          | 240       | 6,300    | 12,700      | 10                                                                                 | 44509246 | F 6030/6 A 240 |
|                        |           |           |           |          | 320       | 6,300    | 12,700      | 10                                                                                 | 44509326 | F 6030/6 A 320 |
|                        |           |           | 40        | A        | 400       | 6,300    | 12,700      | 10                                                                                 | 44509406 | F 6030/6 A 400 |
|                        |           |           |           |          | 40        | 6,300    | 12,700      | 10                                                                                 | 47801233 | F 6040/6 A 40  |
|                        |           |           |           |          | 60        | 6,300    | 12,700      | 10                                                                                 | 44510066 | F 6040/6 A 60  |
|                        |           |           |           |          | 80        | 6,300    | 12,700      | 10                                                                                 | 44510086 | F 6040/6 A 80  |
|                        |           |           |           |          | 120       | 6,300    | 12,700      | 10                                                                                 | 44510126 | F 6040/6 A 120 |
|                        |           |           |           |          | 150       | 6,300    | 12,700      | 10                                                                                 | 44510156 | F 6040/6 A 150 |

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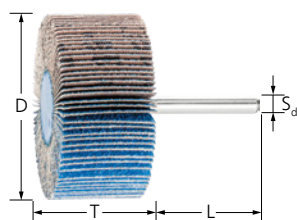
# Flap tools

## Mounted flap wheels F



| S <sub>d</sub><br>[mm] | L<br>[mm] | D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation    |
|------------------------|-----------|-----------|-----------|----------|-----------|----------|-------------|------------------------------------------------------------------------------------|----------|----------------|
| 6                      | 40        | 60        | 40        | A        | 240       | 6,300    | 12,700      | 10                                                                                 | 44510246 | F 6040/6 A 240 |
|                        |           |           |           | A        | 40        | 6,300    | 12,700      | 10                                                                                 | 44511046 | F 6050/6 A 40  |
|                        |           |           | 50        | A        | 60        | 6,300    | 12,700      | 10                                                                                 | 44511066 | F 6050/6 A 60  |
|                        |           |           |           |          | 80        | 6,300    | 12,700      | 10                                                                                 | 44511086 | F 6050/6 A 80  |
|                        |           |           |           |          | 120       | 6,300    | 12,700      | 10                                                                                 | 44511126 | F 6050/6 A 120 |
|                        |           |           |           |          | 150       | 6,300    | 12,700      | 10                                                                                 | 44511156 | F 6050/6 A 150 |
|                        |           |           |           |          | 240       | 6,300    | 12,700      | 10                                                                                 | 44511246 | F 6050/6 A 240 |
|                        |           |           |           |          | 320       | 6,300    | 12,700      | 10                                                                                 | 44511326 | F 6050/6 A 320 |
|                        |           | 80        | 5         | A        | 60        | 4,800    | 9,500       | 10                                                                                 | 47801807 | F 8005/6 A 60  |
|                        |           |           |           |          | 80        | 4,800    | 9,500       | 10                                                                                 | 47801514 | F 8005/6 A 80  |
|                        |           |           |           |          | 120       | 4,800    | 9,500       | 10                                                                                 | 47801624 | F 8005/6 A 120 |
|                        |           |           |           |          | 150       | 4,800    | 9,500       | 10                                                                                 | 47801562 | F 8005/6 A 150 |
|                        |           |           |           |          | 180       | 4,800    | 9,500       | 10                                                                                 | 47802769 | F 8005/6 A 180 |
|                        |           |           |           |          | 240       | 4,800    | 9,500       | 10                                                                                 | 44480240 | F 8005/6 A 240 |
|                        |           |           |           |          | 320       | 4,800    | 9,500       | 10                                                                                 | 44480320 | F 8005/6 A 320 |
|                        |           |           | 10        | A        | 60        | 4,800    | 9,500       | 10                                                                                 | 47801575 | F 8010/6 A 60  |
|                        |           |           |           |          | 80        | 4,800    | 9,500       | 10                                                                                 | 47801110 | F 8010/6 A 80  |
|                        |           |           |           |          | 120       | 4,800    | 9,500       | 10                                                                                 | 47801576 | F 8010/6 A 120 |
|                        |           |           |           |          | 150       | 4,800    | 9,500       | 10                                                                                 | 47802867 | F 8010/6 A 150 |
|                        |           |           |           |          | 180       | 4,800    | 9,500       | 10                                                                                 | 47802868 | F 8010/6 A 180 |
|                        |           |           |           |          | 240       | 4,800    | 9,500       | 10                                                                                 | 47802869 | F 8010/6 A 240 |
|                        |           |           |           |          | 320       | 4,800    | 9,500       | 10                                                                                 | 47802857 | F 8010/6 A 320 |
|                        |           |           | 15        | A        | 40        | 4,800    | 9,500       | 10                                                                                 | 47801548 | F 8015/6 A 40  |
|                        |           |           |           |          | 60        | 4,800    | 9,500       | 10                                                                                 | 44512066 | F 8015/6 A 60  |
|                        |           |           |           |          | 80        | 4,800    | 9,500       | 10                                                                                 | 44512086 | F 8015/6 A 80  |
|                        |           |           |           |          | 120       | 4,800    | 9,500       | 10                                                                                 | 44512126 | F 8015/6 A 120 |
|                        |           |           |           |          | 150       | 4,800    | 9,500       | 10                                                                                 | 44512156 | F 8015/6 A 150 |
|                        |           |           | 20        | A        | 40        | 4,800    | 9,500       | 10                                                                                 | 44513046 | F 8020/6 A 40  |
|                        |           |           |           |          | 60        | 4,800    | 9,500       | 10                                                                                 | 44513066 | F 8020/6 A 60  |
|                        |           |           |           |          | 80        | 4,800    | 9,500       | 10                                                                                 | 44513086 | F 8020/6 A 80  |
|                        |           |           |           |          | 120       | 4,800    | 9,500       | 10                                                                                 | 44513126 | F 8020/6 A 120 |
|                        |           |           |           |          | 150       | 4,800    | 9,500       | 10                                                                                 | 44513156 | F 8020/6 A 150 |
|                        |           |           | 30        | A        | 40        | 4,800    | 9,500       | 10                                                                                 | 44514046 | F 8030/6 A 40  |
|                        |           |           |           |          | 60        | 4,800    | 9,500       | 10                                                                                 | 44514066 | F 8030/6 A 60  |
|                        |           |           |           |          | 80        | 4,800    | 9,500       | 10                                                                                 | 44514086 | F 8030/6 A 80  |
|                        |           |           |           |          | 120       | 4,800    | 9,500       | 10                                                                                 | 44514126 | F 8030/6 A 120 |
|                        |           |           |           |          | 150       | 4,800    | 9,500       | 10                                                                                 | 44514156 | F 8030/6 A 150 |
|                        |           |           |           |          | 240       | 4,800    | 9,500       | 10                                                                                 | 44514246 | F 8030/6 A 240 |
|                        |           |           |           |          | 320       | 4,800    | 9,500       | 10                                                                                 | 44514326 | F 8030/6 A 320 |
|                        |           |           | 40        | A        | 60        | 4,800    | 9,500       | 10                                                                                 | 44515066 | F 8040/6 A 60  |
|                        |           |           |           |          | 80        | 4,800    | 9,500       | 10                                                                                 | 44515086 | F 8040/6 A 80  |
|                        |           |           |           |          | 120       | 4,800    | 9,500       | 10                                                                                 | 44515126 | F 8040/6 A 120 |
|                        |           |           |           |          | 150       | 4,800    | 9,500       | 10                                                                                 | 44515156 | F 8040/6 A 150 |
|                        |           |           |           |          | 240       | 4,800    | 9,500       | 10                                                                                 | 44515246 | F 8040/6 A 240 |
|                        |           |           | 50        | A        | 40        | 4,800    | 9,500       | 10                                                                                 | 44516046 | F 8050/6 A 40  |
|                        |           |           |           |          | 60        | 4,800    | 9,500       | 10                                                                                 | 44516066 | F 8050/6 A 60  |
|                        |           |           |           |          | 80        | 4,800    | 9,500       | 10                                                                                 | 44516086 | F 8050/6 A 80  |
|                        |           |           |           |          | 120       | 4,800    | 9,500       | 10                                                                                 | 44516126 | F 8050/6 A 120 |
|                        |           |           |           |          | 150       | 4,800    | 9,500       | 10                                                                                 | 44516156 | F 8050/6 A 150 |
|                        |           |           |           |          | 240       | 4,800    | 9,500       | 10                                                                                 | 44516246 | F 8050/6 A 240 |
|                        |           |           |           |          | 320       | 4,800    | 9,500       | 10                                                                                 | 44516326 | F 8050/6 A 320 |





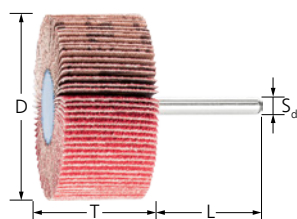
### Zirconia alumina Z-COOL version

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:

- Highly flexible, enabling optimal adjustment to the contour.
- Consistently high stock removal rate over the entire tool life as new, aggressive abrasive is constantly exposed.
- Can be used face-down very close to edges and in corners thanks to the flat, moulded-core design.

| $S_d$<br>[mm] | L<br>[mm] | D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation        |
|---------------|-----------|-----------|-----------|----------|-----------|----------|-------------|------------------------------------------------------------------------------------|----------|--------------------|
| 6             | 40        | 30        | 20        | Z-COOL   | 60        | 12,000   | 25,400      | 10                                                                                 | 44412066 | F 3020/6 Z-COOL 60 |
|               |           |           |           |          | 80        | 12,000   | 25,400      | 10                                                                                 | 44412086 | F 3020/6 Z-COOL 80 |
|               |           | 40        | 20        | Z-COOL   | 60        | 9,600    | 19,100      | 10                                                                                 | 44414066 | F 4020/6 Z-COOL 60 |
|               |           |           |           |          | 80        | 9,600    | 19,100      | 10                                                                                 | 44414086 | F 4020/6 Z-COOL 80 |
|               |           | 50        | 20        | Z-COOL   | 60        | 7,000    | 15,200      | 10                                                                                 | 44531066 | F 5020/6 Z-COOL 60 |
|               |           |           |           |          | 80        | 7,000    | 15,200      | 10                                                                                 | 44531086 | F 5020/6 Z-COOL 80 |
|               |           | 60        | 30        | Z-COOL   | 60        | 6,300    | 12,700      | 10                                                                                 | 44533066 | F 6030/6 Z-COOL 60 |
|               |           |           |           |          | 80        | 6,300    | 12,700      | 10                                                                                 | 44533086 | F 6030/6 Z-COOL 80 |
|               |           | 80        | 50        | Z-COOL   | 60        | 4,800    | 9,500       | 10                                                                                 | 44535066 | F 8050/6 Z-COOL 60 |
|               |           |           |           |          | 80        | 4,800    | 9,500       | 10                                                                                 | 44535086 | F 8050/6 Z-COOL 80 |



### Ceramic oxide grain CO-COOL version

The flaps made of coated abrasive are arranged radially around the axis in a fan-type structure. 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:

- Highly flexible, enabling optimal adjustment to the contour.
- Consistently high stock removal rate over the entire tool life as new, aggressive abrasive is constantly exposed.
- Can be used face-down very close to edges and in corners thanks to the flat, moulded-core design.

| $S_d$<br>[mm] | L<br>[mm] | D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation          |
|---------------|-----------|-----------|-----------|----------|-----------|----------|-------------|--------------------------------------------------------------------------------------|----------|----------------------|
| 3             | 40        | 15        | 10        | CO-COOL  | 120       | 25,000   | 50,000      | 10                                                                                   | 44400069 | F 1510/3 CO-COOL 120 |
|               |           |           |           |          | 60        | 25,000   | 50,000      | 10                                                                                   | 44400067 | F 1510/3 CO-COOL 60  |
|               |           |           |           |          | 80        | 25,000   | 50,000      | 10                                                                                   | 44400068 | F 1510/3 CO-COOL 80  |
|               |           | 15        | 15        | CO-COOL  | 120       | 25,000   | 50,000      | 10                                                                                   | 44400072 | F 1515/3 CO-COOL 120 |
|               |           |           |           |          | 60        | 25,000   | 50,000      | 10                                                                                   | 44400070 | F 1515/3 CO-COOL 60  |
|               |           |           |           |          | 80        | 25,000   | 50,000      | 10                                                                                   | 44400071 | F 1515/3 CO-COOL 80  |
| 6             | 40        | 20        | 10        | CO-COOL  | 60        | 19,000   | 38,100      | 10                                                                                   | 47802871 | F 2010/6 CO-COOL 60  |
|               |           |           |           |          | 80        | 19,000   | 38,100      | 10                                                                                   | 47802716 | F 2010/6 CO-COOL 80  |
|               |           |           |           |          | 120       | 19,000   | 38,100      | 10                                                                                   | 47802717 | F 2010/6 CO-COOL 120 |
|               |           | 30        | 10        | CO-COOL  | 40        | 12,000   | 25,400      | 10                                                                                   | 44402054 | F 3010/6 CO-COOL 40  |
|               |           |           |           |          | 60        | 12,000   | 25,400      | 10                                                                                   | 44402074 | F 3010/6 CO-COOL 60  |
|               |           |           |           |          | 80        | 12,000   | 25,400      | 10                                                                                   | 44402094 | F 3010/6 CO-COOL 80  |
|               |           |           |           |          | 120       | 12,000   | 25,400      | 10                                                                                   | 44402134 | F 3010/6 CO-COOL 120 |
|               |           |           | 15        | CO-COOL  | 40        | 12,000   | 25,400      | 10                                                                                   | 44409054 | F 3015/6 CO-COOL 40  |
|               |           |           |           |          | 60        | 12,000   | 25,400      | 10                                                                                   | 44409074 | F 3015/6 CO-COOL 60  |
|               |           |           |           |          | 80        | 12,000   | 25,400      | 10                                                                                   | 44409094 | F 3015/6 CO-COOL 80  |
|               |           |           |           |          | 120       | 12,000   | 25,400      | 10                                                                                   | 44409134 | F 3015/6 CO-COOL 120 |
|               |           | 20        | CO-COOL   | CO-COOL  | 40        | 12,000   | 25,400      | 10                                                                                   | 47802244 | F 3020/6 CO-COOL 40  |
|               |           |           |           |          | 60        | 12,000   | 25,400      | 10                                                                                   | 47802245 | F 3020/6 CO-COOL 60  |
|               |           |           |           |          | 80        | 12,000   | 25,400      | 10                                                                                   | 47802246 | F 3020/6 CO-COOL 80  |
|               |           |           |           |          | 120       | 12,000   | 25,400      | 10                                                                                   | 47802773 | F 3020/6 CO-COOL 120 |

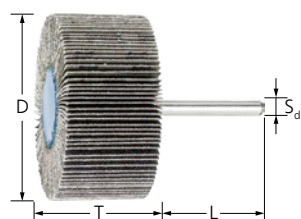
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# Flap tools

## Mounted flap wheels F



| $S_d$<br>[mm] | L<br>[mm] | D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation          |
|---------------|-----------|-----------|-----------|----------|-----------|----------|-------------|------------------------------------------------------------------------------------|----------|----------------------|
| 6             | 40        | 40        | 20        | CO-COOL  | 40        | 9,600    | 19,100      | 10                                                                                 | 44408054 | F 4020/6 CO-COOL 40  |
|               |           |           |           |          | 60        | 9,600    | 19,100      | 10                                                                                 | 44408074 | F 4020/6 CO-COOL 60  |
|               |           |           |           |          | 80        | 9,600    | 19,100      | 10                                                                                 | 44408094 | F 4020/6 CO-COOL 80  |
|               |           |           |           |          | 120       | 9,600    | 19,100      | 10                                                                                 | 44408134 | F 4020/6 CO-COOL 120 |
|               |           | 50        | 30        | CO-COOL  | 40        | 7,000    | 15,200      | 10                                                                                 | 44411554 | F 5030/6 CO-COOL 40  |
|               |           |           |           |          | 60        | 7,000    | 15,200      | 10                                                                                 | 44411574 | F 5030/6 CO-COOL 60  |
|               |           |           |           |          | 80        | 7,000    | 15,200      | 10                                                                                 | 44411594 | F 5030/6 CO-COOL 80  |
|               |           |           |           |          | 120       | 7,000    | 15,200      | 10                                                                                 | 44411634 | F 5030/6 CO-COOL 120 |
|               |           | 60        | 15        | CO-COOL  | 40        | 6,300    | 12,700      | 10                                                                                 | 47802872 | F 6015/6 CO-COOL 40  |
|               |           |           |           |          | 60        | 6,300    | 12,700      | 10                                                                                 | 47802873 | F 6015/6 CO-COOL 60  |
|               |           |           |           |          | 80        | 6,300    | 12,700      | 10                                                                                 | 47802800 | F 6015/6 CO-COOL 80  |
|               |           |           |           |          | 120       | 6,300    | 12,700      | 10                                                                                 | 47802874 | F 6015/6 CO-COOL 120 |
|               |           |           | 30        | CO-COOL  | 40        | 6,300    | 12,700      | 10                                                                                 | 44411754 | F 6030/6 CO-COOL 40  |
|               |           |           |           |          | 60        | 6,300    | 12,700      | 10                                                                                 | 44411774 | F 6030/6 CO-COOL 60  |
|               |           |           |           |          | 80        | 6,300    | 12,700      | 10                                                                                 | 44411794 | F 6030/6 CO-COOL 80  |
|               |           |           |           |          | 120       | 6,300    | 12,700      | 10                                                                                 | 44411834 | F 6030/6 CO-COOL 120 |



### Silicon carbide SiC version

The flaps made of coated abrasive are arranged radially around the axis in a fan-type structure. For general grinding work. Particularly recommended for use on titanium alloys. Ideally suited for use in the aircraft industry, particularly when SiC is the only abrasive approved for use.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Consistently high stock removal rate over the entire tool life as new, aggressive abrasive is constantly exposed.
- Can be used face-down very close to edges and in corners thanks to the flat, moulded-core design.

| $S_d$<br>[mm] | L<br>[mm] | D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation      |
|---------------|-----------|-----------|-----------|----------|-----------|----------|-------------|--------------------------------------------------------------------------------------|----------|------------------|
| 6             | 40        | 20        | 10        | SiC      | 60        | 19,000   | 38,100      | 10                                                                                   | 44400060 | F 2010/6 SiC 60  |
|               |           |           |           |          | 80        | 19,000   | 38,100      | 10                                                                                   | 44400080 | F 2010/6 SiC 80  |
|               |           |           |           |          | 120       | 19,000   | 38,100      | 10                                                                                   | 44400120 | F 2010/6 SiC 120 |
|               |           |           |           |          | 150       | 19,000   | 38,100      | 10                                                                                   | 44400150 | F 2010/6 SiC 150 |
|               |           | 30        | 10        | SiC      | 60        | 12,000   | 25,400      | 10                                                                                   | 44407066 | F 3010/6 SiC 60  |
|               |           |           |           |          | 80        | 12,000   | 25,400      | 10                                                                                   | 44407086 | F 3010/6 SiC 80  |
|               |           |           |           |          | 120       | 12,000   | 25,400      | 10                                                                                   | 44407126 | F 3010/6 SiC 120 |
|               |           |           |           |          | 150       | 12,000   | 25,400      | 10                                                                                   | 44407156 | F 3010/6 SiC 150 |
|               |           | 15        |           | SiC      | 60        | 12,000   | 25,400      | 10                                                                                   | 44415060 | F 3015/6 SiC 60  |
|               |           |           |           |          | 80        | 12,000   | 25,400      | 10                                                                                   | 44415080 | F 3015/6 SiC 80  |
|               |           |           |           |          | 120       | 12,000   | 25,400      | 10                                                                                   | 44415120 | F 3015/6 SiC 120 |
|               |           |           |           |          | 150       | 12,000   | 25,400      | 10                                                                                   | 44415150 | F 3015/6 SiC 150 |
|               |           | 20        |           | SiC      | 60        | 12,000   | 25,400      | 10                                                                                   | 44420060 | F 3020/6 SiC 60  |
|               |           |           |           |          | 80        | 12,000   | 25,400      | 10                                                                                   | 44420080 | F 3020/6 SiC 80  |
|               |           |           |           |          | 120       | 12,000   | 25,400      | 10                                                                                   | 44420120 | F 3020/6 SiC 120 |
|               |           |           |           |          | 150       | 12,000   | 25,400      | 10                                                                                   | 44420150 | F 3020/6 SiC 150 |
|               |           | 40        | 20        | SiC      | 60        | 9,600    | 19,100      | 10                                                                                   | 44440060 | F 4020/6 SiC 60  |
|               |           |           |           |          | 80        | 9,600    | 19,100      | 10                                                                                   | 44440080 | F 4020/6 SiC 80  |
|               |           |           |           |          | 120       | 9,600    | 19,100      | 10                                                                                   | 44440120 | F 4020/6 SiC 120 |
|               |           |           |           |          | 150       | 9,600    | 19,100      | 10                                                                                   | 44440150 | F 4020/6 SiC 150 |
|               |           | 50        | 30        | SiC      | 60        | 7,000    | 15,200      | 10                                                                                   | 44450060 | F 5030/6 SiC 60  |

Continued on next page



# Flap tools

## Mounted flap wheels F



| $S_d$<br>[mm] | L<br>[mm] | D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation      |
|---------------|-----------|-----------|-----------|----------|-----------|----------|-------------|------------------------------------------------------------------------------------|----------|------------------|
| 6             | 40        | 50        | 30        | SiC      | 80        | 7,000    | 15,200      | 10                                                                                 | 44450080 | F 5030/6 SiC 80  |
|               |           |           |           |          | 120       | 7,000    | 15,200      | 10                                                                                 | 44450120 | F 5030/6 SiC 120 |
|               |           |           |           |          | 150       | 7,000    | 15,200      | 10                                                                                 | 44450150 | F 5030/6 SiC 150 |
|               | 60        | 30        | 30        | SiC      | 60        | 6,300    | 12,700      | 10                                                                                 | 44521066 | F 6030/6 SiC 60  |
|               |           |           |           |          | 80        | 6,300    | 12,700      | 10                                                                                 | 44521086 | F 6030/6 SiC 80  |
|               |           |           |           |          | 120       | 6,300    | 12,700      | 10                                                                                 | 44521126 | F 6030/6 SiC 120 |
|               |           |           |           |          | 150       | 6,300    | 12,700      | 10                                                                                 | 44521156 | F 6030/6 SiC 150 |

## Mounted flap wheel set



### FSO

Set of different mounted flap wheels in the aluminium oxide A variant with a shank diameter of 6 mm.

#### Contents:

Five each of the following mounted flap wheels with shank dia. 6 mm in the following dimensions: 40 x 15 mm (grit sizes 80 and 120), 50 x 15 mm (grit sizes 60 and 80), 60 x 30 mm (grit size 60), 60 x 40 mm (grit sizes 80 and 150) and 80 x 30 mm (grit size 60).

#### Special features:

- For getting to know and testing the comprehensive range.
- Coordinated selection of the most common versions.
- Promotional display box.

| L<br>[mm] | B<br>[mm] | H<br>[mm] |  | Item no. | Designation |
|-----------|-----------|-----------|-------------------------------------------------------------------------------------|----------|-------------|
| 240       | 145       | 240       | 1                                                                                   | 44590001 | FSO 5400    |

## Mounted flap wheel – bore polisher



### Aluminium oxide A version

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. Bore polishers are suitable for fine grinding.

#### Special features:

- Produces uniform surfaces, even in small holes.
- Highly flexible, enabling optimal adjustment to the contour.
- Consistently high stock removal rate over the entire tool life as new, aggressive abrasive is constantly exposed.

| $S_d$<br>[mm] | L<br>[mm] | D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation            |
|---------------|-----------|-----------|-----------|----------|-----------|----------|-------------|--------------------------------------------------------------------------------------|----------|------------------------|
| 6             | 60        | 15        | 20        | A        | 120       | 25,400   | 31,800      | 10                                                                                   | 44403250 | BP 1520/6-60 6x2 A 120 |
|               |           |           |           |          | 150       | 25,400   | 31,800      | 10                                                                                   | 44403251 | BP 1520/6-60 6x2 A 150 |
|               |           | 20        | 20        | A        | 120       | 19,100   | 23,800      | 10                                                                                   | 44403252 | BP 2020/6-60 6x2 A 120 |
|               |           |           |           |          | 150       | 19,100   | 23,800      | 10                                                                                   | 44403253 | BP 2020/6-60 6x2 A 150 |
|               |           | 25        | 20        | A        | 120       | 15,000   | 19,100      | 10                                                                                   | 44403254 | BP 2520/6-60 6x2 A 120 |
|               |           |           |           |          | 150       | 15,000   | 19,100      | 10                                                                                   | 44403255 | BP 2520/6-60 6x2 A 150 |
|               |           | 30        | 20        | A        | 120       | 12,700   | 15,900      | 10                                                                                   | 44403256 | BP 3020/6-60 6x2 A 120 |
|               |           |           |           |          | 150       | 12,700   | 15,900      | 10                                                                                   | 44403257 | BP 3020/6-60 6x2 A 150 |

### Safety notes

- As a rule, unmounted flap wheels should be used with the appropriate clamping flanges.
- The maximum permitted peripheral speed is determined as follows:  
Unmounted flap wheels = 50 m/s  
Unmounted flap wheels for angle grinders = 80 m/s  
Flap drums = 32 m/s.
- The contact pressure must be significantly reduced if the specified optimum rotational speed is exceeded.
- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.



Wear eye protection!



Wear hearing protection!



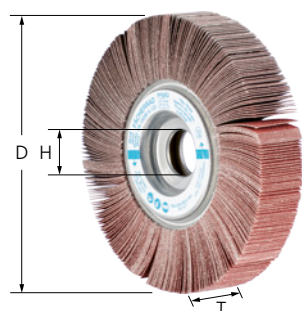
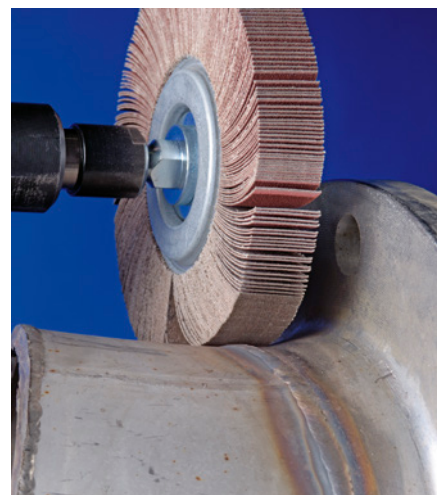
Wear gloves!



Wear a dust mask!



Follow the safety instructions!



### Aluminium oxide A version

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:

- Highly flexible, enabling optimal adjustment to the contour. Can be used face-down very close to edges and in corners thanks to special clamping system.
- Consistently high stock removal rate over the entire tool life as new, aggressive abrasive is constantly exposed.
- Please order compatible arbor separately.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation           |
|-----------|-----------|-----------|----------|-----------|----------|----------|-------------------------------------------------------------------------------------|----------|-----------------------|
| 100       | 30        | 25.4      | A        | 40        | 5,500    | 9,500    | 2                                                                                   | 44710041 | FR 10030/25,4 A 40    |
|           |           |           |          | 60        | 5,500    | 9,500    | 2                                                                                   | 44710061 | FR 10030/25,4 A 60    |
|           |           |           |          | 80        | 5,500    | 9,500    | 2                                                                                   | 44710081 | FR 10030/25,4 A 80    |
|           |           |           |          | 120       | 5,500    | 9,500    | 2                                                                                   | 44710121 | FR 10030/25,4 A 120   |
|           | 50        | 25.4      | A        | 40        | 5,500    | 9,500    | 2                                                                                   | 44712041 | FR 10050/25,4 A 40    |
|           |           |           |          | 60        | 5,500    | 9,500    | 2                                                                                   | 44712061 | FR 10050/25,4 A 60    |
|           |           |           |          | 80        | 5,500    | 9,500    | 2                                                                                   | 44712081 | FR 10050/25,4 A 80    |
|           |           |           |          | 120       | 5,500    | 9,500    | 2                                                                                   | 44712121 | FR 10050/25,4 A 120   |
| 150       | 30        | 25.4      | A        | 40        | 3,500    | 6,300    | 2                                                                                   | 44724040 | FR 15030/25,4 A 40    |
|           |           |           |          | 60        | 3,500    | 6,300    | 2                                                                                   | 44724060 | FR 15030/25,4 A 60    |
|           |           |           |          | 80        | 3,500    | 6,300    | 2                                                                                   | 44724080 | FR 15030/25,4 A 80    |
|           |           |           |          | 120       | 3,500    | 6,300    | 2                                                                                   | 44724120 | FR 15030/25,4 A 120   |
|           |           |           |          | 150       | 3,500    | 6,300    | 2                                                                                   | 44724150 | FR 15030/25,4 A 150   |
|           | 50        | 25.4      | A        | 40        | 3,500    | 6,300    | 2                                                                                   | 44726040 | FR 15050/25,4 A 40    |
|           |           |           |          | 60        | 3,500    | 6,300    | 2                                                                                   | 44726060 | FR 15050/25,4 A 60    |
|           |           |           |          | 80        | 3,500    | 6,300    | 2                                                                                   | 44726080 | FR 15050/25,4 A 80    |
|           |           |           |          | 120       | 3,500    | 6,300    | 2                                                                                   | 44726120 | FR 15050/25,4 A 120   |
|           |           |           |          | 150       | 3,500    | 6,300    | 2                                                                                   | 44726150 | FR 15050/25,4 A 150   |
|           |           |           |          | 240       | 3,500    | 6,300    | 2                                                                                   | 44726240 | FR 15050/25,4 A 240   |
|           |           |           |          | 40        | 3,200    | 5,700    | 2                                                                                   | 44732041 | FR 16530/25,4 A 40 HD |
|           |           |           |          | 60        | 3,200    | 5,700    | 2                                                                                   | 44732061 | FR 16530/25,4 A 60 HD |
|           |           |           |          | 80        | 3,200    | 5,700    | 2                                                                                   | 44732081 | FR 16530/25,4 A 80 HD |
|           |           |           |          | 120       | 3,200    | 5,700    | 2                                                                                   | 44732121 | FR 16530/25,4 A 120   |
|           |           |           |          | 150       | 3,200    | 5,700    | 2                                                                                   | 44732151 | FR 16530/25,4 A 150   |
|           |           |           |          | 240       | 3,200    | 5,700    | 2                                                                                   | 44732241 | FR 16530/25,4 A 240   |
| 165       | 30        | 25.4      | A        | 40        | 3,200    | 5,700    | 2                                                                                   | 44731041 | FR 16550/25,4 A 40 HD |
|           |           |           |          | 60        | 3,200    | 5,700    | 2                                                                                   | 44731061 | FR 16550/25,4 A 60 HD |
|           |           |           |          | 80        | 3,200    | 5,700    | 2                                                                                   | 44731081 | FR 16550/25,4 A 80 HD |
|           |           |           |          | 120       | 3,200    | 5,700    | 2                                                                                   | 44731121 | FR 16550/25,4 A 120   |
|           |           |           |          | 150       | 3,200    | 5,700    | 2                                                                                   | 44731151 | FR 16550/25,4 A 150   |
|           |           |           |          | 240       | 3,200    | 5,700    | 2                                                                                   | 44731241 | FR 16550/25,4 A 240   |

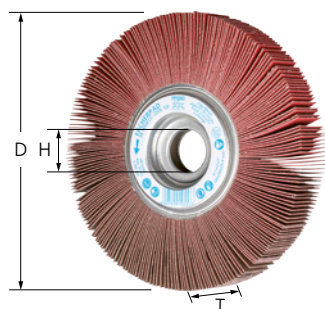
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# Flap tools

## Unmounted flap wheels FR



| D<br>[mm] | T<br>[mm] | H<br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation           |
|-----------|-----------|-----------|----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|-----------------------|
| 165       | 50        | 25.4      | A        | 60        | 3,200    | 5,700    | 2                                                                                 | 44731061 | FR 16550/25.4 A 60 HD |
|           |           |           |          | 80        | 3,200    | 5,700    | 2                                                                                 | 44731081 | FR 16550/25.4 A 80 HD |
|           |           |           |          | 120       | 3,200    | 5,700    | 2                                                                                 | 44731121 | FR 16550/25.4 A120 HD |
|           |           |           |          | 150       | 3,200    | 5,700    | 2                                                                                 | 44731151 | FR 16550/25,4 A 150   |
|           |           |           |          | 240       | 3,200    | 5,700    | 2                                                                                 | 44731241 | FR 16550/25,4 A 240   |
|           |           |           |          | 320       | 3,200    | 5,700    | 2                                                                                 | 44731321 | FR 16550/25,4 A 320   |
| 200       | 30        | 44        | A        | 60        | 2,600    | 4,700    | 2                                                                                 | 44736061 | FR 20030/44,0 A 60    |
|           |           |           |          | 80        | 2,600    | 4,700    | 2                                                                                 | 44736081 | FR 20030/44,0 A 80    |
|           |           |           |          | 120       | 2,600    | 4,700    | 2                                                                                 | 44736121 | FR 20030/44,0 A 120   |
|           |           |           |          | 240       | 2,600    | 4,700    | 2                                                                                 | 44736241 | FR 20030/44,0 A 240   |
|           | 50        | 44        | A        | 60        | 2,600    | 4,700    | 2                                                                                 | 44738061 | FR 20050/44,0 A 60    |
|           |           |           |          | 80        | 2,600    | 4,700    | 2                                                                                 | 44738081 | FR 20050/44,0 A 80    |
|           |           |           |          | 120       | 2,600    | 4,700    | 2                                                                                 | 44738121 | FR 20050/44,0 A 120   |
|           |           |           |          | 150       | 2,600    | 4,700    | 2                                                                                 | 44738151 | FR 20050/44,0 A 150   |
|           |           |           |          | 240       | 2,600    | 4,700    | 2                                                                                 | 44738241 | FR 20050/44,0 A 240   |
|           |           |           |          |           |          |          |                                                                                   |          |                       |
| 250       | 50        | 44        | A        | 60        | 2,100    | 3,800    | 1                                                                                 | 44742061 | FR 25050/44,0 A 60    |
|           |           |           |          | 80        | 2,100    | 3,800    | 1                                                                                 | 44742081 | FR 25050/44,0 A 80    |
|           |           |           |          | 120       | 2,100    | 3,800    | 1                                                                                 | 44742121 | FR 25050/44,0 A 120   |
|           |           |           |          | 150       | 2,100    | 3,800    | 1                                                                                 | 44742151 | FR 25050/44,0 A 150   |
|           |           |           |          | 240       | 2,100    | 3,800    | 1                                                                                 | 44742241 | FR 25050/44,0 A 240   |
|           |           |           |          | 320       | 2,100    | 3,800    | 1                                                                                 | 44742321 | FR 25050/44,0 A 320   |



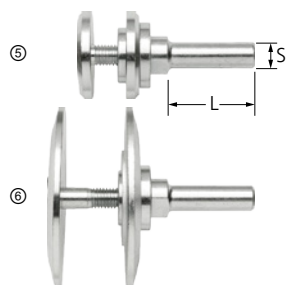
### Ceramic oxide grain CO-COOL version

The flaps made of coated abrasive are arranged radially around the axis in a fan-type structure. 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:

- Highly flexible, enabling optimal adjustment to the contour. Can be used face-down very close to edges and in corners thanks to special clamping system.
- Consistently high stock removal rate over the entire tool life as new, aggressive abrasive is constantly exposed.
- Please order compatible arbor separately.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation               |
|-----------|-----------|-----------|----------|-----------|----------|----------|-------------------------------------------------------------------------------------|----------|---------------------------|
| 150       | 30        | 25.4      | CO-COOL  | 40        | 3,500    | 6,300    | 2                                                                                   | 44725204 | FR 15030/25,4 CO-COOL 40  |
|           |           |           |          | 60        | 3,500    | 6,300    | 2                                                                                   | 44725206 | FR 15030/25,4 CO-COOL 60  |
|           |           |           |          | 80        | 3,500    | 6,300    | 2                                                                                   | 44725208 | FR 15030/25,4 CO-COOL 80  |
|           |           |           |          | 120       | 3,500    | 6,300    | 2                                                                                   | 44725212 | FR 15030/25,4 CO-COOL 120 |
|           | 50        | 25.4      | CO-COOL  | 40        | 3,500    | 6,300    | 2                                                                                   | 44727204 | FR 15050/25,4 CO-COOL 40  |
|           |           |           |          | 60        | 3,500    | 6,300    | 2                                                                                   | 44727206 | FR 15050/25,4 CO-COOL 60  |
|           |           |           |          | 80        | 3,500    | 6,300    | 2                                                                                   | 44727208 | FR 15050/25,4 CO-COOL 80  |
|           |           |           |          | 120       | 3,500    | 6,300    | 2                                                                                   | 44727212 | FR 15050/25,4 CO-COOL 120 |
| 165       | 30        | 25.4      | CO-COOL  | 40        | 3,200    | 5,700    | 2                                                                                   | 44733204 | FR 16530/25,4 CO-COOL 40  |
|           |           |           |          | 60        | 3,200    | 5,700    | 2                                                                                   | 44733206 | FR 16530/25,4 CO-COOL 60  |
|           |           |           |          | 80        | 3,200    | 5,700    | 2                                                                                   | 44733208 | FR 16530/25,4 CO-COOL 80  |
|           |           |           |          | 120       | 3,200    | 5,700    | 2                                                                                   | 44733212 | FR 16530/25,4 CO-COOL 120 |
|           | 50        | 25.4      | CO-COOL  | 40        | 3,200    | 5,700    | 2                                                                                   | 44730304 | FR 16550/25,4 CO-COOL 40  |
|           |           |           |          | 60        | 3,200    | 5,700    | 2                                                                                   | 44730306 | FR 16550/25,4 CO-COOL 60  |
|           |           |           |          | 80        | 3,200    | 5,700    | 2                                                                                   | 44730308 | FR 16550/25,4 CO-COOL 80  |
|           |           |           |          | 120       | 3,200    | 5,700    | 2                                                                                   | 44730312 | FR 16550/25,4 CO-COOL 120 |



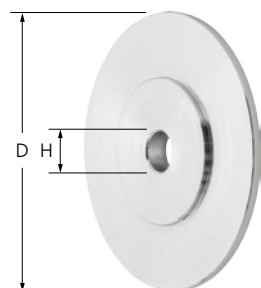
## Version with clamping flange

For mounting PFERD TOOLS unmounted flap wheels. 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.

| Image | Suitable for tool diameter [mm] | Suitable for hole diameter [mm] | S [mm] | L [mm] | Clamping range [mm] |   | Item no. | Designation           |
|-------|---------------------------------|---------------------------------|--------|--------|---------------------|---|----------|-----------------------|
| ⑤     | 100, 150, 165                   | 25.4                            | 12     | 40     | 25 – 50             | 1 | 44601225 | FR/VR 12/25,4 100-165 |
| ⑥     | 200, 250                        | 44                              | 12     | 40     | 25 – 50             | 1 | 44601244 | FR/VR 12/44,0 200-250 |



## 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 [mm] | D [mm] | H [mm] | Max. H [mm] |   | Item no. | Designation               |
|---------------------------------|--------|--------|-------------|---|----------|---------------------------|
| 150, 165                        | 40     | 12     | 22.2        | 1 | 44771225 | RF FR 150-165 Bo. 12-22,2 |
| 200, 250                        | 83     | 12     | 40          | 1 | 44771244 | RF FR 200-250 Bo. 12-40   |

## Unmounted flap wheels for angle grinders



### Aluminium oxide A version

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 (ideal for assembly shop operations).
- Consistently high stock removal rate over the entire tool 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 [mm] | T [mm] | Thread | Abrasive | Grit size | Opt. RPM | Max. RPM |   | Item no. | Designation              |
|--------|--------|--------|----------|-----------|----------|----------|---|----------|--------------------------|
| 115    | 20     | 5/8-11 | A        | 40        | 7,500    | 13,300   | 2 | 47802558 | FR WS 11520 5/8-11 A 40  |
|        |        |        |          | 60        | 7,500    | 13,300   | 2 | 47802559 | FR WS 11520 5/8-11 A 60  |
|        |        |        |          | 80        | 7,500    | 13,300   | 2 | 47802560 | FR WS 11520 5/8-11 A 80  |
|        |        |        |          | 120       | 7,500    | 13,300   | 2 | 47802561 | FR WS 11520 5/8-11 A 120 |
|        |        |        |          | 180       | 7,500    | 13,300   | 2 | 47802821 | FR WS 11520 5/8-11 A 180 |
|        |        | M14    | A        | 40        | 7,500    | 13,300   | 2 | 44781504 | FR WS 11520 M14 A 40     |
|        |        |        |          | 60        | 7,500    | 13,300   | 2 | 44781506 | FR WS 11520 M14 A 60     |
|        |        |        |          | 80        | 7,500    | 13,300   | 2 | 44781508 | FR WS 11520 M14 A 80     |
|        |        |        |          | 120       | 7,500    | 13,300   | 2 | 44781512 | FR WS 11520 M14 A 120    |

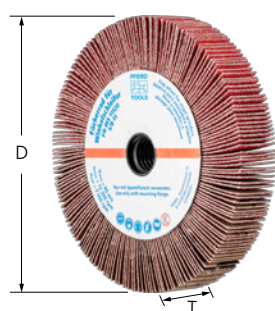
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# Flap tools

## Unmounted flap wheels for angle grinders



| D [mm] | T [mm] | Thread | Abrasive | Grit size | Opt. RPM | Max. RPM |   | Item no. | Designation              |
|--------|--------|--------|----------|-----------|----------|----------|---|----------|--------------------------|
| 115    | 20     | M14    | A        | 180       | 7,500    | 13,300   | 2 | 44781518 | FR WS 11520 M14 A 180    |
|        |        |        |          | 240       | 7,500    | 13,300   | 2 | 44781524 | FR WS 11520 M14 A 240    |
|        |        |        |          | 320       | 7,500    | 13,300   | 2 | 44781532 | FR WS 11520 M14 A 320    |
| 125    | 20     | 5/8-11 | A        | 40        | 6,850    | 12,200   | 2 | 47802663 | FR WS 12520 5/8-11 A 40  |
|        |        |        |          | 60        | 6,850    | 12,200   | 2 | 47802664 | FR WS 12520 5/8-11 A 60  |
|        |        |        |          | 80        | 6,850    | 12,200   | 2 | 47802665 | FR WS 12520 5/8-11 A 80  |
|        |        |        |          | 120       | 6,850    | 12,200   | 2 | 47802666 | FR WS 12520 5/8-11 A 120 |
|        |        | M14    | A        | 40        | 6,850    | 12,200   | 2 | 44782504 | FR WS 12520 M14 A 40     |
|        |        |        |          | 60        | 6,850    | 12,200   | 2 | 44782506 | FR WS 12520 M14 A 60     |
|        |        |        |          | 80        | 6,850    | 12,200   | 2 | 44782508 | FR WS 12520 M14 A 80     |
|        |        |        |          | 120       | 6,850    | 12,200   | 2 | 44782512 | FR WS 12520 M14 A 120    |
|        |        |        |          | 180       | 6,850    | 12,200   | 2 | 44782518 | FR WS 12520 M14 A 180    |
|        |        |        |          | 240       | 6,850    | 12,200   | 2 | 44782524 | FR WS 12520 M14 A 240    |
|        |        |        |          | 320       | 6,850    | 12,200   | 2 | 44782532 | FR WS 12520 M14 A 320    |



### Ceramic oxide grain CO-COOL version

The flaps made of coated abrasive are arranged radially around the axis in a fan-type structure. 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.

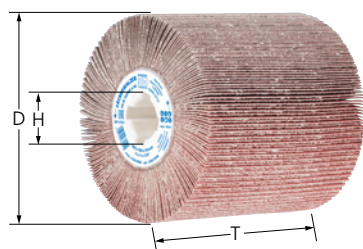
#### Special features:

- Can be mounted directly on the angle grinder without additional clamping devices (ideal for assembly shop operations).
- Consistently high stock removal rate over the entire tool 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 [mm] | T [mm] | Thread | Abrasive | Grit size | Opt. RPM | Max. RPM |   | Item no. | Designation                 |
|--------|--------|--------|----------|-----------|----------|----------|---|----------|-----------------------------|
| 115    | 20     | M14    | CO-COOL  | 40        | 7,500    | 13,300   | 2 | 44781604 | FR WS 11520 M14 CO-COOL 40  |
|        |        |        |          | 60        | 7,500    | 13,300   | 2 | 44781606 | FR WS 11520 M14 CO-COOL 60  |
|        |        |        |          | 80        | 7,500    | 13,300   | 2 | 44781608 | FR WS 11520 M14 CO-COOL 80  |
|        |        |        |          | 120       | 7,500    | 13,300   | 2 | 44781612 | FR WS 11520 M14 CO-COOL 120 |
| 125    | 20     | M14    | CO-COOL  | 40        | 6,850    | 12,200   | 2 | 44782604 | FR WS 12520 M14 CO-COOL 40  |
|        |        |        |          | 60        | 6,850    | 12,200   | 2 | 44782606 | FR WS 12520 M14 CO-COOL 60  |
|        |        |        |          | 80        | 6,850    | 12,200   | 2 | 44782608 | FR WS 12520 M14 CO-COOL 80  |
|        |        |        |          | 120       | 6,850    | 12,200   | 2 | 44782612 | FR WS 12520 M14 CO-COOL 120 |

## Flap tools

### Flap drums



#### FR-W type

The flaps made of coated abrasive are arranged radially around the axis in a fan-type structure. Can be used for general work on medium and large metal surfaces. Achievement of homogeneous finishes (grinding patterns) on larger surfaces and contours in manual applications.

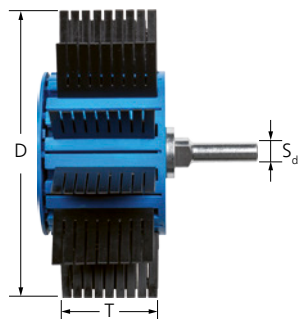


#### Special features:

- Suitable for all conventional keyway systems. The 19 mm hole diameter with four keyways fits all conventional drum grinders.
- Consistently high stock removal rate over the entire tool life as new, aggressive abrasive is constantly exposed.
- Can be used face-down very close to edges and in corners thanks to special clamping system. Highly flexible, enabling optimal adjustment to the contour.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation       |
|-----------|-----------|-----------|----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|-------------------|
| 100       | 100       | 19        | A        | 40        | 3,800    | 6,100    | 1                                                                                 | 44783040 | FR-W 100100 A 40  |
|           |           |           |          | 60        | 3,800    | 6,100    | 1                                                                                 | 44783060 | FR-W 100100 A 60  |
|           |           |           |          | 80        | 3,800    | 6,100    | 1                                                                                 | 44783080 | FR-W 100100 A 80  |
|           |           |           |          | 120       | 3,800    | 6,100    | 1                                                                                 | 44783120 | FR-W 100100 A 120 |
|           |           |           |          | 150       | 3,800    | 6,100    | 1                                                                                 | 44783150 | FR-W 100100 A 150 |
|           |           |           |          | 180       | 3,800    | 6,100    | 1                                                                                 | 44783180 | FR-W 100100 A 180 |

## POLIFLAP tools



#### Grinding wheel PFL

The grinding wheel consists of a shank-mounted support and rubber flaps. It must be completed with appropriate abrasive flaps. The combination and arrangement of the abrasive and rubber flaps results in a highly flexible tool.

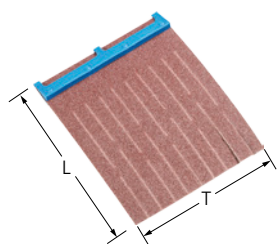
#### Special features:

- Ideal for blending different surface textures, fine grinding of radii, contours, curved areas or large surfaces.
- Creates a consistently high surface quality over the entire tool life, as new sharp abrasive is steadily released.
- Comfortable to use thanks to particularly lightweight design. Please order abrasive flaps separately in the required grit size.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | Opt. RPM | Max. RPM |  | Item no. | Designation  |
|-----------|-----------|------------------------|----------|----------|-------------------------------------------------------------------------------------|----------|--------------|
| 170       | 60        | 12                     | 1,500    | 3,500    | 1                                                                                   | 42800100 | PFL 17060/12 |







### Abrasive flaps PFL-SL

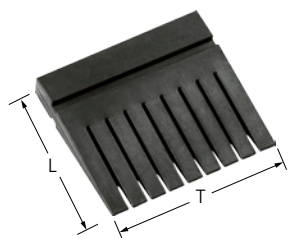
Abrasive flaps with aluminium oxide A as the abrasive, suitable for POLIFLAP grinding wheels, for achieving visual effects ranging from coarse to very fine.



#### Special features:

- Ideal for blending different surface textures, fine grinding of radii, contours, curved areas or large surfaces.
- Comfortable to use as easy to replace once worn.

| L<br>[mm] | T<br>[mm] | Abrasive | Grit size |  | Item no. | Designation  |
|-----------|-----------|----------|-----------|-----------------------------------------------------------------------------------|----------|--------------|
| 75        | 60        | A        | 60        | 12                                                                                | 42800110 | PFL-SL A 60  |
|           |           |          | 80        | 12                                                                                | 42800111 | PFL-SL A 80  |
|           |           |          | 100       | 12                                                                                | 42800112 | PFL-SL A 100 |
|           |           |          | 120       | 12                                                                                | 42800113 | PFL-SL A 120 |
|           |           |          | 150       | 12                                                                                | 42800114 | PFL-SL A 150 |
|           |           |          | 180       | 12                                                                                | 42800115 | PFL-SL A 180 |
|           |           |          | 220       | 12                                                                                | 42800116 | PFL-SL A 220 |
|           |           |          | 320       | 12                                                                                | 42800117 | PFL-SL A 320 |



### Rubber flaps PFL-GL

Rubber flaps to match the POLIFLAP grinding wheel. They lie between the abrasive flaps, and support the abrasive effect and the flexibility of the tool.

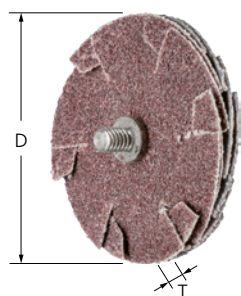
#### Special features:

- Comfortable to use as easy to replace once worn.
- The packaging unit corresponds to a complete POLIFLAP grinding wheel.

| L<br>[mm] | T<br>[mm] |  | Item no. | Designation |
|-----------|-----------|-------------------------------------------------------------------------------------|----------|-------------|
| 50        | 55        | 12                                                                                  | 42800120 | PFL-GL      |

## Flap tools

### Overlap slotted discs KS



#### KS type

Ideal for face grinding. Special tool with aluminium oxide A as the abrasive for face grinding in grooves, fillets and slots. They are mounted via a central threaded hub.

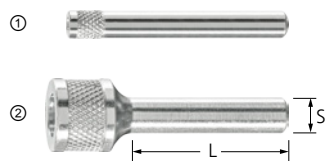


#### Special features:

- Hard-to-reach areas can be accessed as the tool provides abrasive action on its top and bottom sides.
- High economic efficiency as tool can be changed quickly.
- Please order compatible arbor separately.

| D<br>[mm] | T<br>[mm] | Abrasive | Grit size | Number<br>of layers | Opt. RPM | Max.<br>RPM | Suitable arbors |  | Item no. | Designation  |
|-----------|-----------|----------|-----------|---------------------|----------|-------------|-----------------|------------------------------------------------------------------------------------|----------|--------------|
| 30        | 5         | A        | 80        | 4                   | 6,500    | 12,000      | BO KS 30        | 20                                                                                 | 42863408 | KS 30-4 A 80 |
| 50        | 5         | A        | 80        | 4                   | 4,000    | 8,000       | BO KS 50        | 20                                                                                 | 42865408 | KS 50-4 A 80 |

### Arbor for overlap slotted discs BO KS



#### BO KS

Matching arbor for overlap slotted discs.

#### Special features:

- Reduced set-up work as the overlap slotted discs can be changed without unclamping the arbor from the collet.

| Image | Suitable for | S<br>[mm] | L<br>[mm] | Thread<br>[mm] |  | Item no. | Designation |
|-------|--------------|-----------|-----------|----------------|-------------------------------------------------------------------------------------|----------|-------------|
| ①     | KS 30-4 A 80 | 6         | 40        | 1/8 BSW        | 1                                                                                   | 42700650 | BO KS 30    |
| ②     | KS 50-4 A 80 | 6         | 40        | 1/4-28 UNF     | 1                                                                                   | 42700640 | BO KS 50    |



### 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!

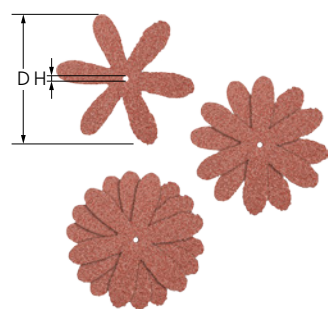


Follow the safety instructions!

### Matching tool diameter

POLISTAR can be stacked in several layers. Should be aligned at an offset from one another, so that the abrasive has the optimal effect. Select the tool diameter based on the relevant hole diameter:

PST 20/1,6 for hole dia. 7–15 mm  
PST 30/1,6 for hole dia. 10–20 mm  
PST 40/3 for hole dia. 15–25 mm  
PST 50/3 for hole dia. 20–40 mm



### PST type

Flexible cross buffs with aluminium oxide A as the abrasive, developed especially for working on inner surfaces, e.g. holes and pipes. Can be stacked in several layers. Align at an offset from one another so that the abrasive has the optimal effect.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- The tool dimensions ensure optimal processing of small internal diameters, in particular diameters of 7–40 mm.
- Order matching arbor separately.

| D<br>[mm] | H<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM | Suitable arbors      |  | Item no. | Designation      |
|-----------|-----------|----------|-----------|----------|-------------|----------------------|---------------------------------------------------------------------------------------|----------|------------------|
| 20        | 1.6       | A        | 60        | 15,000   | 38,000      | BO 2,3/1-6, BO 3/1,6 | 100                                                                                   | 42730206 | PST 20/1,6 A 60  |
|           |           |          | 80        | 15,000   | 38,000      | BO 2,3/1-6, BO 3/1,6 | 100                                                                                   | 42730208 | PST 20/1,6 A 80  |
|           |           |          | 120       | 15,000   | 38,000      | BO 2,3/1-6, BO 3/1,6 | 100                                                                                   | 42730212 | PST 20/1,6 A 120 |
| 30        | 1.6       | A        | 60        | 9,500    | 25,000      | BO 2,3/1-6, BO 3/1,6 | 100                                                                                   | 42730306 | PST 30/1,6 A 60  |
|           |           |          | 80        | 9,500    | 25,000      | BO 2,3/1-6, BO 3/1,6 | 100                                                                                   | 42730308 | PST 30/1,6 A 80  |
|           |           |          | 120       | 9,500    | 25,000      | BO 2,3/1-6, BO 3/1,6 | 100                                                                                   | 42730312 | PST 30/1,6 A 120 |
| 40        | 3         | A        | 60        | 7,200    | 19,000      | BO 6/3 1-6           | 100                                                                                   | 42730406 | PST 40/3,0 A 60  |
|           |           |          | 80        | 7,200    | 19,000      | BO 6/3 1-6           | 100                                                                                   | 42730408 | PST 40/3,0 A 80  |
|           |           |          | 120       | 7,200    | 19,000      | BO 6/3 1-6           | 100                                                                                   | 42730412 | PST 40/3,0 A 120 |
| 50        | 3         | A        | 60        | 5,700    | 15,000      | BO 6/3 1-6           | 100                                                                                   | 42730506 | PST 50/3,0 A 60  |
|           |           |          | 80        | 5,700    | 15,000      | BO 6/3 1-6           | 100                                                                                   | 42730508 | PST 50/3,0 A 80  |
|           |           |          | 120       | 5,700    | 15,000      | BO 6/3 1-6           | 100                                                                                   | 42730512 | PST 50/3,0 A 120 |

### 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 tool diameter

Select the tool diameter based on the respective pipe's inner diameter:

- PST-T dia. of 50 mm for an inner pipe dia. of 35–40 mm
- PST-T dia. of 60 mm for an inner pipe dia. of 40–45 mm
- PST-T dia. of 70 mm for an inner pipe dia. of 45–50 mm
- PST-T dia. of 80 mm for an inner pipe dia. of 50–55 mm
- PST-T dia. of 90 mm for an inner pipe dia. of 55–60 mm
- PST-T dia. of 100 mm for an inner pipe dia. of 60–65 mm

### Suitable grit size

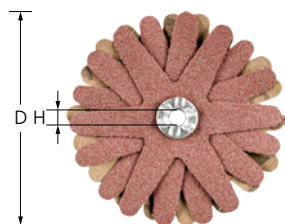
Select the correct grit size for the desired roughness:

- Grit size 60 = 1.0–1.3  $\mu\text{m}$   $R_a$
- Grit size 120 = 0.6–1.0  $\mu\text{m}$   $R_a$
- Grit size 180 = 0.4–0.6  $\mu\text{m}$   $R_a$
- Grit size 240 = 0.3–0.4  $\mu\text{m}$   $R_a$
- Grit size 320 = 0.2–0.3  $\mu\text{m}$   $R_a$

### Suitable flexible shafts

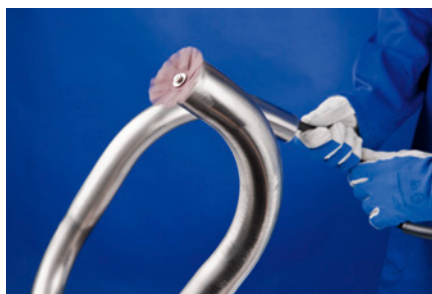
Select suitable flexible shafts:

- 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



### PST-T type

Multi-layered cross buffs with aluminium oxide A as the abrasive that are riveted together. They are used especially for working on the inner surfaces of pipes and pipe bends. Particularly suitable for work on inner surfaces.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- The tool dimensions ensure optimal processing of small internal diameters, in particular diameters of 7–40 mm.

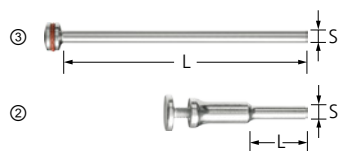
| D<br>[mm] | H<br>[mm] | Abrasive | Grit size | Number<br>of layers | Opt. RPM | Max.<br>RPM | Suitable arbors |  | Item no. | Designation        |
|-----------|-----------|----------|-----------|---------------------|----------|-------------|-----------------|--------------------------------------------------------------------------------------|----------|--------------------|
| 50        | 4         | A        | 60        | 4                   | 3,000    | 7,650       | BO 6/4 0-10     | 10                                                                                   | 42732063 | PST-T 50/4 4 A 60  |
|           |           |          | 120       | 6                   | 3,000    | 7,650       | BO 6/4 0-10     | 10                                                                                   | 42732066 | PST-T 50/4 6 A 120 |
|           |           |          | 180       | 6                   | 3,000    | 7,650       | BO 6/4 0-10     | 10                                                                                   | 42732068 | PST-T 50/4 6 A 180 |
|           |           |          | 240       | 6                   | 3,000    | 7,650       | BO 6/4 0-10     | 10                                                                                   | 42732069 | PST-T 50/4 6 A 240 |
|           |           |          | 320       | 6                   | 3,000    | 7,650       | BO 6/4 0-10     | 10                                                                                   | 42732070 | PST-T 50/4 6 A 320 |
| 60        | 4         | A        | 60        | 4                   | 2,500    | 6,350       | BO 6/4 0-10     | 10                                                                                   | 42732083 | PST-T 60/4 4 A 60  |
|           |           |          | 120       | 6                   | 2,500    | 6,350       | BO 6/4 0-10     | 10                                                                                   | 42732086 | PST-T 60/4 6 A 120 |
|           |           |          | 180       | 6                   | 2,500    | 6,350       | BO 6/4 0-10     | 10                                                                                   | 42732088 | PST-T 60/4 6 A 180 |
|           |           |          | 240       | 6                   | 2,500    | 6,350       | BO 6/4 0-10     | 10                                                                                   | 42732089 | PST-T 60/4 6 A 240 |
| 70        | 4         | A        | 60        | 4                   | 2,200    | 5,450       | BO 6/4 0-10     | 10                                                                                   | 42732103 | PST-T 70/4 4 A 60  |
|           |           |          | 120       | 6                   | 2,200    | 5,450       | BO 6/4 0-10     | 10                                                                                   | 42732106 | PST-T 70/4 6 A 120 |
|           |           |          | 180       | 6                   | 2,200    | 5,450       | BO 6/4 0-10     | 10                                                                                   | 42732108 | PST-T 70/4 6 A 180 |
|           |           |          | 240       | 6                   | 2,200    | 5,450       | BO 6/4 0-10     | 10                                                                                   | 42732109 | PST-T 70/4 6 A 240 |
| 80        | 4         | A        | 60        | 4                   | 1,900    | 4,750       | BO 6/4 0-10     | 10                                                                                   | 42732123 | PST-T 80/4 4 A 60  |
|           |           |          | 120       | 6                   | 1,900    | 4,750       | BO 6/4 0-10     | 10                                                                                   | 42732126 | PST-T 80/4 6 A 120 |

Continued on next page



| D<br>[mm] | H<br>[mm] | Abrasive | Grit size | Number<br>of layers | Opt. RPM | Max.<br>RPM | Suitable arbors |  | Item no. | Designation         |
|-----------|-----------|----------|-----------|---------------------|----------|-------------|-----------------|------------------------------------------------------------------------------------|----------|---------------------|
| 80        | 4         | A        | 180       | 6                   | 1,900    | 4,750       | BO 6/4 0-10     | 10                                                                                 | 42732128 | PST-T 80/4 6 A 180  |
|           |           |          | 240       | 6                   | 1,900    | 4,750       | BO 6/4 0-10     | 10                                                                                 | 42732129 | PST-T 80/4 6 A 240  |
| 90        | 5         | A        | 60        | 4                   | 1,700    | 4,250       | BO 6/5 0-10     | 10                                                                                 | 42732143 | PST-T 90/5 4 A 60   |
|           |           |          | 120       | 8                   | 1,700    | 4,250       | BO 6/5 0-10     | 10                                                                                 | 42732146 | PST-T 90/5 8 A 120  |
|           |           |          | 180       | 8                   | 1,700    | 4,250       | BO 6/5 0-10     | 10                                                                                 | 42732148 | PST-T 90/5 8 A 180  |
|           |           |          | 240       | 8                   | 1,700    | 4,250       | BO 6/5 0-10     | 10                                                                                 | 42732149 | PST-T 90/5 8 A 240  |
| 100       | 5         | A        | 60        | 4                   | 1,500    | 3,820       | BO 6/5 0-10     | 10                                                                                 | 42732163 | PST-T 100/5 4 A 60  |
|           |           |          | 120       | 8                   | 1,500    | 3,820       | BO 6/5 0-10     | 10                                                                                 | 42732166 | PST-T 100/5 8 A 120 |
|           |           |          | 180       | 8                   | 1,500    | 3,820       | BO 6/5 0-10     | 10                                                                                 | 42732168 | PST-T 100/5 8 A 180 |
|           |           |          | 240       | 8                   | 1,500    | 3,820       | BO 6/5 0-10     | 10                                                                                 | 42732169 | PST-T 100/5 8 A 240 |

## Arbor for POLISTAR and POLISTAR-TUBE



### BO

Matching arbor for POLISTAR and POLISTAR-TUBE.

#### Special features:

- High economic efficiency as tool can be changed quickly.

| Image | Suitable for<br>hole diameter<br>[mm] | S<br>[mm] | L<br>[mm] | Clamping<br>range<br>[mm] |  | Item no. | Designation    |
|-------|---------------------------------------|-----------|-----------|---------------------------|-------------------------------------------------------------------------------------|----------|----------------|
| ③     | 1,6                                   | 2.34      | 43        | 1 – 5                     | 10                                                                                  | 42460023 | BO 2,3/1,6 1-5 |
|       |                                       | 3         | 43        | 1 – 5                     | 10                                                                                  | 42460030 | BO 3/1,6 1-5   |
| ②     | 3                                     | 6         | 40        | 1 – 6                     | 1                                                                                   | 42400003 | BO 6/3 1-6     |
|       | 4                                     | 6         | 25        | 0 – 10                    | 1                                                                                   | 42400004 | BO 6/4 0-10    |
|       | 5                                     | 6         | 25        | 0 – 10                    | 1                                                                                   | 42400005 | BO 6/5 0-10    |

### Safety notes



Wear eye protection!



Wear a dust mask!



Wear hearing protection!



Follow the safety instructions!



Wear gloves!



### Flexible sanding sticks



#### Flexible sanding sticks SF/SF-R

Flexible sanding sticks with silicon carbide SiC for machining components with lots of contours, hard-to-reach areas and narrow slots. They are excellently suited for use in engine construction and turbine construction as well as in tool and mould-making.



#### Special features:

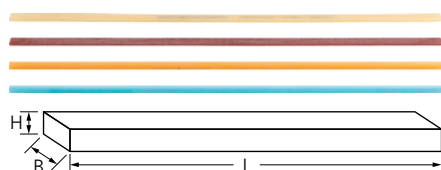
- Highly flexible, enabling optimal adjustment to the contour.
- Different surface quality levels from coarse to very fine can be successively achieved.

| L<br>[mm]           | B<br>[mm] | H<br>[mm] | Abrasive | Grit size |  | Item no. | Designation            |
|---------------------|-----------|-----------|----------|-----------|-------------------------------------------------------------------------------------|----------|------------------------|
| SF-R – with radius  |           |           |          |           |                                                                                     |          |                        |
| 147                 | 15        | 5         | SiC      | 80        | 10                                                                                  | 40110020 | SF-R 147-15-5 SiC 80   |
|                     |           |           |          | 100       | 10                                                                                  | 40110021 | SF-R 147-15-5 SiC 100  |
|                     |           |           |          | 120       | 10                                                                                  | 40110022 | SF-R 147-15-5 SiC 120  |
|                     |           |           |          | 180       | 10                                                                                  | 40110023 | SF-R 147-15-5 SiC 180  |
|                     |           |           |          | 240       | 10                                                                                  | 40110024 | SF-R 147-15-5 SiC 240  |
|                     |           |           |          | 320       | 10                                                                                  | 40110025 | SF-R 147-15-5 SiC 320  |
|                     |           |           |          | 1000      | 10                                                                                  | 40110026 | SF-R 147-15-5 SiC 1000 |
| 180                 | 19        | 5         | SiC      | 80        | 10                                                                                  | 40110001 | SF-R 180-19-5 SiC 80   |
|                     |           |           |          | 100       | 10                                                                                  | 40110002 | SF-R 180-19-5 SiC 100  |
|                     |           |           |          | 120       | 10                                                                                  | 40110003 | SF-R 180-19-5 SiC 120  |
|                     |           |           |          | 180       | 10                                                                                  | 40110004 | SF-R 180-19-5 SiC 180  |
|                     |           |           |          | 240       | 10                                                                                  | 40110005 | SF-R 180-19-5 SiC 240  |
|                     |           |           |          | 320       | 10                                                                                  | 40110006 | SF-R 180-19-5 SiC 320  |
|                     |           |           |          | 1000      | 10                                                                                  | 40110007 | SF-R 180-19-5 SiC 1000 |
| SF – without radius |           |           |          |           |                                                                                     |          |                        |
| 180                 | 28        | 5         | SiC      | 80        | 10                                                                                  | 40110040 | SF 180-28-5 SiC 80     |
|                     |           |           |          | 100       | 10                                                                                  | 40110041 | SF 180-28-5 SiC 100    |
|                     |           |           |          | 120       | 10                                                                                  | 40110042 | SF 180-28-5 SiC 120    |
|                     |           |           |          | 180       | 10                                                                                  | 40110043 | SF 180-28-5 SiC 180    |
|                     |           |           |          | 240       | 10                                                                                  | 40110044 | SF 180-28-5 SiC 240    |
|                     |           |           |          | 320       | 10                                                                                  | 40110045 | SF 180-28-5 SiC 320    |
|                     |           |           |          | 1000      | 10                                                                                  | 40110046 | SF 180-28-5 SiC 1000   |



# Sanding sticks

## Ceramic fibre files



### KFF

Ceramic fibre files are made of high-grade ceramic fibres embedded in a special resinoid bond. For work on surfaces, hard-to-reach areas and difficult geometries in tool and mould-making.



### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- For maximum stock removal rate, use the file at a 45° angle. Can be used with manual filing tools from catalogue section 9.

| H<br>[mm] | B<br>[mm] | L<br>[mm] | Abrasive | Grit size |  | Item no. | Designation |
|-----------|-----------|-----------|----------|-----------|--|----------|-------------|
|-----------|-----------|-----------|----------|-----------|--|----------|-------------|

### Flat



|     |    |     |   |     |   |          |                          |
|-----|----|-----|---|-----|---|----------|--------------------------|
| 0.5 | 4  | 150 | A | 180 | 1 | 40100018 | KFF 0,5 x 4 x 150 A 180  |
|     |    |     |   | 280 | 1 | 40100028 | KFF 0,5 x 4 x 150 A 280  |
|     |    |     |   | 400 | 1 | 40100040 | KFF 0,5 x 4 x 150 A 400  |
|     |    |     |   | 700 | 1 | 40100070 | KFF 0,5 x 4 x 150 A 700  |
|     | 6  | 150 | A | 180 | 1 | 40100318 | KFF 0,5 x 6 x 150 A 180  |
|     |    |     |   | 280 | 1 | 40100328 | KFF 0,5 x 6 x 150 A 280  |
|     |    |     |   | 400 | 1 | 40100340 | KFF 0,5 x 6 x 150 A 400  |
|     |    |     |   | 700 | 1 | 40100370 | KFF 0,5 x 6 x 150 A 700  |
| 1   | 4  | 150 | A | 180 | 1 | 40100118 | KFF 1,0 x 4 x 150 A 180  |
|     |    |     |   | 280 | 1 | 40100128 | KFF 1,0 x 4 x 150 A 280  |
|     |    |     |   | 400 | 1 | 40100140 | KFF 1,0 x 4 x 150 A 400  |
|     |    |     |   | 700 | 1 | 40100170 | KFF 1,0 x 4 x 150 A 700  |
|     | 6  | 150 | A | 180 | 1 | 40100418 | KFF 1,0 x 6 x 150 A 180  |
|     |    |     |   | 280 | 1 | 40100428 | KFF 1,0 x 6 x 150 A 280  |
|     |    |     |   | 400 | 1 | 40100440 | KFF 1,0 x 6 x 150 A 400  |
|     |    |     |   | 700 | 1 | 40100470 | KFF 1,0 x 6 x 150 A 700  |
|     | 10 | 150 | A | 180 | 1 | 40100618 | KFF 1,0 x 10 x 150 A 180 |
|     |    |     |   | 280 | 1 | 40100628 | KFF 1,0 x 10 x 150 A 280 |
|     |    |     |   | 400 | 1 | 40100640 | KFF 1,0 x 10 x 150 A 400 |
|     |    |     |   | 700 | 1 | 40100670 | KFF 1,0 x 10 x 150 A 700 |
| 2   | 4  | 150 | A | 180 | 1 | 40100218 | KFF 2,0 x 4 x 150 A 180  |
|     |    |     |   | 280 | 1 | 40100228 | KFF 2,0 x 4 x 150 A 280  |
|     |    |     |   | 400 | 1 | 40100240 | KFF 2,0 x 4 x 150 A 400  |
|     |    |     |   | 700 | 1 | 40100270 | KFF 2,0 x 4 x 150 A 700  |
|     | 6  | 150 | A | 180 | 1 | 40100518 | KFF 2,0 x 6 x 150 A 180  |
|     |    |     |   | 280 | 1 | 40100528 | KFF 2,0 x 6 x 150 A 280  |
|     |    |     |   | 400 | 1 | 40100540 | KFF 2,0 x 6 x 150 A 400  |
|     |    |     |   | 700 | 1 | 40100570 | KFF 2,0 x 6 x 150 A 700  |

### Round



|      |   |     |   |     |   |          |                         |
|------|---|-----|---|-----|---|----------|-------------------------|
| 2.35 | - | 150 | A | 180 | 1 | 40100802 | KFF RD 2,35 x 150 A 180 |
|      |   |     |   | 280 | 1 | 40100804 | KFF RD 2,35 x 150 A 280 |
|      |   |     |   | 400 | 1 | 40100806 | KFF RD 2,35 x 150 A 400 |
|      |   |     |   | 700 | 1 | 40100808 | KFF RD 2,35 x 150 A 700 |
| 3    | - | 150 | A | 180 | 1 | 40100822 | KFF RD 3 x 150 A 180    |
|      |   |     |   | 280 | 1 | 40100824 | KFF RD 3 x 150 A 280    |
|      |   |     |   | 400 | 1 | 40100826 | KFF RD 3 x 150 A 400    |
|      |   |     |   | 700 | 1 | 40100828 | KFF RD 3 x 150 A 700    |

Continued on next page

| H<br>[mm]    | B<br>[mm] | L<br>[mm] | Abrasive                                                                          | Grit size |  | Item no. | Designation                   |
|--------------|-----------|-----------|-----------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------|----------|-------------------------------|
| Three square |           |           |  |           |                                                                                   |          |                               |
| 3            | 3         | 150       | A                                                                                 | 180       | 1                                                                                 | 40100922 | KFF DKT 3 x 3 x 3 x 150 A 180 |
|              |           |           |                                                                                   | 280       | 1                                                                                 | 40100924 | KFF DKT 3 x 3 x 3 x 150 A 280 |
|              |           |           |                                                                                   | 400       | 1                                                                                 | 40100926 | KFF DKT 3 x 3 x 3 x 150 A 400 |
|              |           |           |                                                                                   | 700       | 1                                                                                 | 40100928 | KFF DKT 3 x 3 x 3 x 150 A 700 |

# Non-woven tools

## General information



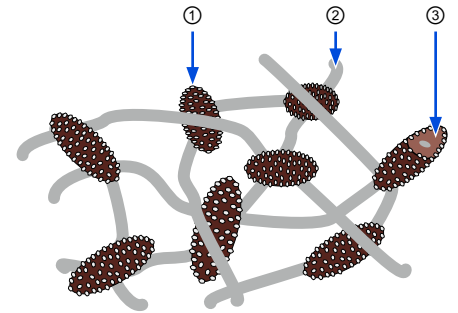
### Non-woven abrasives

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.

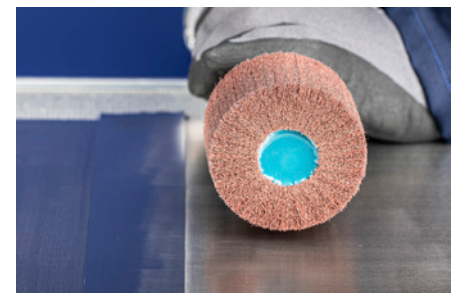
The very loose connections between the individual fibres ensures a high level of flexibility and gives a strong spring-type effect to the non-woven material. It is flexible and supple, and leaves behind a very distinctive surface structure. The satin-finished grinding result is unique and cannot be achieved 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   | 220–400          |



### Abrasive

Even though non-woven abrasive has a completely different structure to coated abrasives, the same abrasive materials are used for both tool groups.

### Aluminium oxide ( $Al_2O_3$ )

Aluminium oxide ( $Al_2O_3$ ) is very durable, achieves a top tool life and is very aggressive on hardened steel. The surface generated is characterized by a higher level of shine. When used on aluminium, discolouration 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.

### Safety notes

- For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.
- Use **POLINOX unitized wheels PNER** at a recommended cutting speed of 15–35 m/s.
- Use **POLINOX convolute wheels PNK** at a recommended cutting speed of 20 m/s. The wound construction of the tool requires that the indicated running direction is strictly observed. Non-compliance with the running direction will lead to destruction of the tool and carries an increased risk of accidents.
- Use **POLINOX mounted/unmounted grinding wheels and cross buffs** at a recommended cutting speed of 10–20 m/s.
- Use **POLICLEAN tools** at a recommended cutting speed of 15–20 m/s.



Wear eye protection!



Wear hearing protection!



Wear gloves!



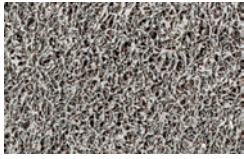
Wear a dust mask!



Follow the safety instructions!



### Available types and hardness grades



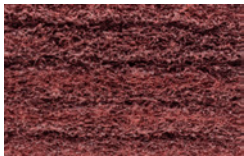
#### **PNER**

Thanks to different combinations of compaction, fibres, grit and the appropriate bond, this tool can be used for a wide range of applications for work on surfaces, from relatively coarse grinding to preparing the surface for polishing.



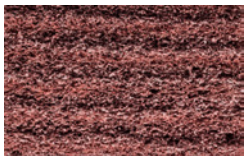
#### **PNK**

The non-woven abrasive is wound around a core and foamed up. The tools can be optimized for a variety of applications by implementing different foam, fibre, grain and bond combinations. Uses range from fine deburring to preparation for polishing.



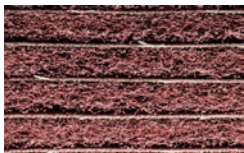
#### **PNL**

The non-woven abrasive material is arranged in multiple radial flaps. A long tool life is achieved through the very dense packing of the flaps. The tool is particularly used for surface work.



#### **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.



#### **PNZ**

The non-woven abrasive material is arranged in multiple radial flaps, with abrasive cloth interlayers. The flap structure facilitates improved stock removal and achieves a coarser surface finish.



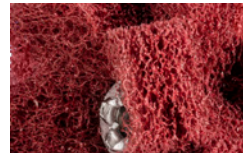
#### **PNG**

The non-woven abrasive is made of several very wavyly arranged strips of non-woven abrasive material, wound around a core. The wavy structure of the non-woven abrasive material permits seamless brush matting of surfaces.



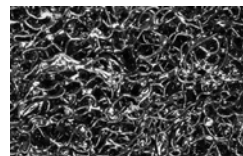
#### **PNR**

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.



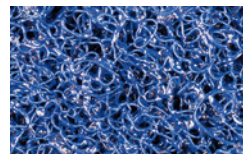
#### **PNST**

The non-woven abrasive is star-shaped and stacked in layers which are connected in the centre. Particularly suitable for narrow application areas and hard-to-reach places such as drilled holes and indentations.



#### **POLICLEAN**

The non-woven abrasive combines synthetic fibres, resin and abrasive grain. As the non-woven abrasive has a firm, coarse structure, it is particularly suitable for coarse cleaning work such as removing paint, scale, heat discolouration, 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 particularly suitable for roughening and for very coarse cleaning work such as removing paint, scale, heat discolouration, rust and adhesive residues.



# Non-woven tools

General information on POLINOX unitized wheels and discs  
PNER



## Available types

- W**
**Soft**  
 Soft version with excellent adaptability. The durability, grinding performance and very high surface quality are maintained at the same time. Very well-suited to work on contours.
- MW**
**Medium-soft**  
 Medium-soft version with increased edge strength and tool life for coarse blending and polishing tasks. Well-suited to work on contours.

- MH**
**Medium-hard**  
 Medium-hard version with increased edge strength and tool life for coarse deburring and cleaning applications.
- H**
**Hard**  
 Hard version with very high stock removal rate, good edge strength and long tool life for tough deburring and polishing applications.



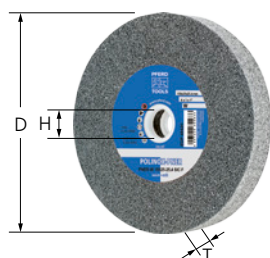
## Comparison table

| PFERD TOOLS<br>PNER |             |          |        | 3M                                     | Standard<br>Abrasives | Norton                | BIBIELLE |
|---------------------|-------------|----------|--------|----------------------------------------|-----------------------|-----------------------|----------|
| Type                | Colour code | Abrasive | Grit   |                                        |                       |                       |          |
| Soft                | W           | SiC      | fine   | EXL 2S fine                            | 532                   | UW1-2SF or<br>Nex-2SF | BUH 2SF  |
|                     |             | A        | coarse | EXL 2A medium                          | 521                   | UW1-2AM or<br>Nex-2AM | BUH 2AM  |
| Medium-soft         | MW          | SiC      | fine   | EXL 4S fine or<br>SST 3S fine          | 632                   | UW1-4SF               | BUH 3SF  |
|                     |             | A        | fine   | EXL 4A fine or<br>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<br>SST 5A fine | 731                   | UW1-6AF or<br>Nex-6AF | -        |
| Hard                | H           | A        | fine   | Cut & polish 7A medium or<br>9A medium | 821                   | UW1-8AM or<br>Nex-8AM | BUH 6AM  |
|                     |             | A        | coarse | Cut & polish 7A coarse or<br>9A coarse | 811                   | UW1-8AC or<br>Nex-8AC | BUH 8AC  |



# Non-woven tools

## POLINOX unitized wheels PNER



### PNER type for straight grinders, flexible shaft drives and bench grinders

Consist of multiple heavily compressed, non-woven layers, which are bonded together by a special grain/resin system. Particularly suitable for working on soft metals, alloyed and high-alloy steels and titanium alloy.



#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- Produces very good surface quality and can be profiled as desired, enabling optimal adjustment to the contour. Ideal for cleaning, deburring, blending and polishing.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Grit<br>size | Version | Abrasive | Opt.<br>RPM | Max.<br>RPM | Suitable arbors |  | Item no. | Designation |
|-----------|-----------|-----------|--------------|---------|----------|-------------|-------------|-----------------|------------------------------------------------------------------------------------|----------|-------------|
|-----------|-----------|-----------|--------------|---------|----------|-------------|-------------|-----------------|------------------------------------------------------------------------------------|----------|-------------|

#### Type for straight grinders, flexible shafts and bench grinders

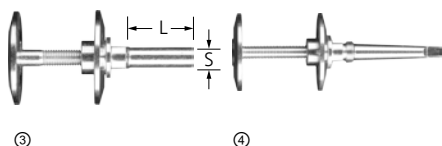
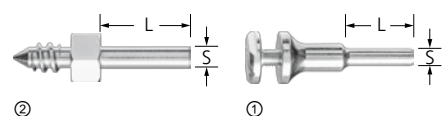
|        |        |      |        |        |        |        |        |               |             |             |                          |                        |
|--------|--------|------|--------|--------|--------|--------|--------|---------------|-------------|-------------|--------------------------|------------------------|
| 25     | 25     | 6    | fine   | MH     | A      | 19,000 | 30,500 | BO PNER 25 S6 | 10          | 44691202    | PNER-MH 2525-6 A F       |                        |
| 50     | 3      | 6    | fine   | H      | A      | 9,500  | 15,300 | BO 6/6 3-10   | 10          | 44691005    | PNER-H 5003-6 A F        |                        |
|        |        |      | coarse | MH     | A      | 9,500  | 15,300 | BO 6/6 3-10   | 10          | 47700208    | PNER-MH 5003-6 A G       |                        |
| 75     | 3      | 6    | coarse | W      | A      | 6,400  | 10,200 | BO 6/6 3-10   | 10          | 47803085    | PNER-W 7503-6 A G        |                        |
|        |        |      | fine   | W      | SiC    | 6,400  | 10,200 | BO 6/6 3-10   | 10          | 47803086    | PNER-W 7503-6 SiC        |                        |
|        |        |      |        | MW     | SiC    | 6,400  | 10,200 | BO 6/6 3-10   | 10          | 47803087    | PNER-MW 7503-6 SiC F     |                        |
|        |        |      |        | MH     | A      | 6,400  | 10,200 | BO 6/6 3-10   | 10          | 47803088    | PNER-MH 7503-6 A F       |                        |
|        |        |      | coarse | MH     | A      | 6,400  | 10,200 | BO 6/6 3-10   | 10          | 47700209    | PNER-MH 7503-6 A G       |                        |
|        |        |      |        | H      | A      | 6,400  | 10,200 | BO 6/6 3-10   | 10          | 47803089    | PNER-H 7503-6 A G        |                        |
|        |        |      |        | H      | A      | 6,400  | 10,200 | BO 6/6 3-10   | 10          | 44691010    | PNER-H 7503-6 A F        |                        |
|        |        |      | 6      | 6      | coarse | W      | A      | 6,400         | 10,200      | BO 6/6 3-10 | 5                        | 44691621               |
|        |        | fine |        |        | W      | SiC    | 6,400  | 10,200        | BO 6/6 3-10 | 5           | 44691627                 | PNER-W 7506-6 SiC F    |
|        |        |      |        |        | MW     | A      | 6,400  | 10,200        | BO 6/6 3-10 | 5           | 44691422                 | PNER-MW 7506-6 A F     |
|        |        |      |        |        |        | SiC    | 6,400  | 10,200        | BO 6/6 3-10 | 5           | 44691427                 | PNER-MW 7506-6 SiC F   |
|        |        | MH   |        |        | A      | 6,400  | 10,200 | BO 6/6 3-10   | 5           | 44691222    | PNER-MH 7506-6 A F       |                        |
|        |        | 13   | 6      | coarse | H      | A      | 6,400  | 10,200        | BO 6/6 3-10 | 5           | 44691021                 | PNER-H 7506-6 A G      |
|        | coarse |      |        | W      | A      | 6,400  | 10,200 | BO 6/6 3-10   | 5           | 44691641    | PNER-W 7513-6 A G        |                        |
|        |        |      |        | fine   | W      | SiC    | 6,400  | 10,200        | BO 6/6 3-10 | 5           | 44691647                 | PNER-W 7513-6 SiC F    |
|        |        |      |        |        | MW     | A      | 6,400  | 10,200        | BO 6/6 3-10 | 5           | 44691442                 | PNER-MW 7513-6 A F     |
|        |        |      |        |        |        | SiC    | 6,400  | 10,200        | BO 6/6 3-10 | 5           | 44691447                 | PNER-MW 7513-6 SiC F   |
|        |        |      |        |        | MH     | A      | 6,400  | 10,200        | BO 6/6 3-10 | 5           | 44691242                 | PNER-MH 7513-6 A F     |
|        | coarse |      |        | H      | A      | 6,400  | 10,200 | BO 6/6 3-10   | 5           | 44691041    | PNER-H 7513-6 A G        |                        |
|        | 150    |      |        | 25     | 25.4   | fine   | W      | SiC           | 3,200       | 5,100       | BO 12/20                 | 1                      |
|        |        | MW   | A      |        |        |        | 3,200  | 5,100         | BO 12/20    | 1           | 44691462                 | PNER-MW 15025-25,4 A F |
| SiC    |        |      | 3,200  |        |        |        | 5,100  | BO 12/20      | 1           | 44691467    | PNER-MW 15025-25,4 SiC F |                        |
| MH     |        | A    | 3,200  |        |        |        | 5,100  | BO 12/20      | 1           | 44691262    | PNER-MH 15025-25,4 A F   |                        |
| coarse |        | H    | A      |        |        | 3,200  | 5,100  | BO 12/20      | 1           | 44691061    | PNER-H 15025-25,4 A G    |                        |
|        |        |      |        |        |        |        |        |               |             |             |                          |                        |
|        |        |      |        |        |        |        |        |               |             |             |                          |                        |





## Non-woven tools

### Arbor for POLINOX unitized/convolute wheels



#### Arbor BO

Matching arbor for POLINOX unitized wheels.

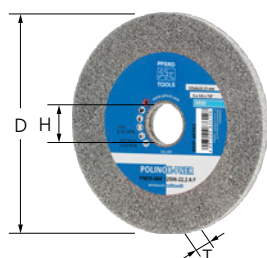
#### Special features:

- High economic efficiency as tool can be changed quickly.

| Image | Suitable for hole diameter [mm] | S [mm] | L [mm] | Clamping range [mm] |   | Item no. | Designation      |
|-------|---------------------------------|--------|--------|---------------------|---|----------|------------------|
| ②     | 6                               | 6      | 25     | -                   | 1 | 42700256 | BO PNER 25 S6    |
| ①     | 6                               | 6      | 25     | 3 – 10              | 1 | 42400006 | BO 6/6 3-10      |
| ③     | 20                              | 12     | 35     | 10 – 50             | 1 | 42400012 | BO 12/20 10-50   |
| ④     | 20                              | -      | -      | 10 – 50             | 1 | 42400062 | BO MK 1/20 10-50 |

4

## POLINOX unitized wheels PNER



#### PNER type for speed-adjustable angle grinders and fillet weld grinders

Consist of multiple heavily compressed, non-woven layers, which are bonded together by a special grain/resin system. Particularly suitable for work on fillet welds and hard-to-reach slots or indentations.

#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- Produces very good surface quality. Can be profiled as desired, enabling optimal adjustment to the contour.
- Ideal for cleaning, deburring, blending and polishing.

| D [mm] | T [mm] | H [mm] | Grit size | Version | Abra-sive | Opt. RPM | Max. RPM |  | Item no. | Designation |
|--------|--------|--------|-----------|---------|-----------|----------|----------|--|----------|-------------|
|--------|--------|--------|-----------|---------|-----------|----------|----------|--|----------|-------------|

#### Type for angle grinders and fillet weld grinders

|     |   |       |        |                  |     |       |       |   |          |                          |
|-----|---|-------|--------|------------------|-----|-------|-------|---|----------|--------------------------|
| 125 | 6 | 22.23 | fine   | MW (medium-soft) | A   | 4,500 | 6,100 | 5 | 44691453 | PNER-MW 12506-22,2 A F   |
|     |   |       |        |                  | SiC | 4,500 | 6,100 | 5 | 44691452 | PNER-MW 12506-22,2 SiC F |
|     |   |       |        | MH (medium-hard) | A   | 4,500 | 6,100 | 5 | 44691252 | PNER-MH 12506-22,2 A F   |
|     |   |       | coarse | MH (medium-hard) | A   | 4,500 | 6,100 | 5 | 47700211 | PNER-MH 12506-22,2 A G   |
|     |   |       |        | H (hard)         | A   | 4,500 | 6,100 | 5 | 44691053 | PNER-H 12506-22,2 A G    |
|     |   |       |        | H (hard)         | A   | 4,500 | 6,100 | 5 | 44691052 | PNER-H 12506-22,2 A F    |
| 150 | 3 | 25.4  | fine   | MW (medium-soft) | SiC | 3,800 | 5,100 | 5 | 44691628 | PNER-MW 15003-25,4 SiC F |
|     |   |       |        | MH (medium-hard) | SiC | 3,800 | 5,100 | 5 | 44691629 | PNER-MH 15003-25,4 SiC F |
|     |   |       |        | MH (medium-hard) | A   | 3,800 | 5,100 | 5 | 47700210 | PNER-MH 15003-25,4 A G   |
|     |   |       | coarse | H (hard)         | A   | 3,800 | 5,100 | 5 | 44691630 | PNER-H 15003-25,4 A F    |
|     |   |       |        | W (soft)         | SiC | 3,800 | 5,100 | 5 | 44691631 | PNER-W 15006-25,4 SiC F  |
|     |   |       |        | MW (medium-soft) | SiC | 3,800 | 5,100 | 5 | 44691632 | PNER-MW 15006-25,4 SiC F |
|     | 6 | 25.4  | coarse | MH (medium-hard) | A   | 3,800 | 5,100 | 5 | 47700212 | PNER-MH 15006-25,4 A G   |
|     |   |       |        | H (hard)         | A   | 3,800 | 5,100 | 5 | 44691633 | PNER-H 15006-25,4 A F    |
|     |   |       |        | W (soft)         | SiC | 3,800 | 5,100 | 5 | 47802723 | PNER-W 15013-12,7 SiC F  |
|     |   |       | fine   | MW (medium-soft) | SiC | 3,800 | 5,100 | 5 | 47700200 | PNER-MW 15013-12,7 SiC F |
|     |   |       |        | MH (medium-hard) | SiC | 3,800 | 5,100 | 5 | 47700201 | PNER-MH 15013-12,7 SiC F |
|     |   |       |        |                  |     |       |       |   |          |                          |

# Non-woven tools

## POLINOX unitized discs PNER



### PNER discs for speed-adjustable angle grinders

Consist of multiple heavily compressed, non-woven layers, which are glued to a backer and bonded together by a special grain/resin system. Particularly suitable for working on soft metals, alloyed and high-alloy steels and titanium alloys.



#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- Produces very good surface quality. Can be profiled as desired, enabling optimal adjustment to the contour.
- Ideal for cleaning, deburring, blending and polishing.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Grit<br>size | Version          | Abrasive | Opt.<br>RPM | Max.<br>RPM |   | Item no. | Designation                 |
|-----------|-----------|-----------|--------------|------------------|----------|-------------|-------------|---|----------|-----------------------------|
| 115       | 13        | 22.23     | fine         | W (soft)         | SiC      | 6,000       | 10,000      | 5 | 44690732 | DISC PNER-W 115-22,2 SiC F  |
|           |           |           |              | MW (medium-soft) | SiC      | 6,000       | 10,000      | 5 | 44690722 | DISC PNER-MW 115-22,2 SiC F |
|           |           |           |              | MH (medium-hard) | SiC      | 6,000       | 10,000      | 5 | 44690712 | DISC PNER-MH 115-22,2 SiC F |
| 125       | 13        | 22.23     | fine         | W (soft)         | SiC      | 5,400       | 10,000      | 5 | 44690733 | DISC PNER-W 125-22,2 SiC F  |
|           |           |           |              | MW (medium-soft) | SiC      | 5,400       | 10,000      | 5 | 44690723 | DISC PNER-MW 125-22,2 SiC F |
|           |           |           |              | MH (medium-hard) | SiC      | 5,400       | 10,000      | 5 | 44690713 | DISC PNER-MH 125-22,2 SiC F |

## POLINOX compact mounted points PNER



### Aluminium oxide A version

Multiple heavily compressed, non-woven layers, which are bonded together by a special grain/resin system. The aluminium oxide A version is ideal for general-purpose applications on steel and non-ferrous metals.

#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- Produces very good surface quality.
- Ideal for removing heat discolouration in hard-to-reach areas.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation |
|-----------|-----------|------------------------|-----------|----------|-----------|----------|-------------|--|----------|-------------|
|-----------|-----------|------------------------|-----------|----------|-----------|----------|-------------|--|----------|-------------|

#### Tapered PNER

|    |    |   |    |   |            |        |        |    |          |                       |
|----|----|---|----|---|------------|--------|--------|----|----------|-----------------------|
| 10 | 25 | 3 | 30 | A | G (coarse) | 28,600 | 38,100 | 10 | 47700293 | PNER-H KE 1025/3 A G  |
|    |    |   |    |   | F (fine)   | 28,600 | 38,100 | 10 | 47700292 | PNER-MH KE 1025/3 A F |

#### Ball PNER

|    |    |   |    |   |            |        |        |    |          |                     |
|----|----|---|----|---|------------|--------|--------|----|----------|---------------------|
| 15 | 15 | 6 | 40 | A | G (coarse) | 25,400 | 44,500 | 10 | 47700279 | PNER-H KU 15/6 A G  |
|    |    |   |    |   |            |        |        |    | 47700278 | PNER-MH KU 15/6 A F |
|    |    |   |    |   |            |        |        |    | 47700277 | PNER-MW KU 15/6 A F |
| 20 | 20 | 6 | 40 | A | G (coarse) | 23,800 | 33,400 | 10 | 47700283 | PNER-H KU 20/6 A G  |
|    |    |   |    |   |            |        |        |    | 47700282 | PNER-MH KU 20/6 A F |
|    |    |   |    |   |            |        |        |    | 47700281 | PNER-MW KU 20/6 A F |
| 25 | 25 | 6 | 40 | A | G (coarse) | 19,000 | 30,500 | 10 | 47700287 | PNER-H KU 25/6 A G  |
|    |    |   |    |   |            |        |        |    | 47700286 | PNER-MH KU 25/6 A F |
|    |    |   |    |   |            |        |        |    | 47700285 | PNER-MW KU 25/6 A F |

#### Tree PNER

|    |    |   |    |   |            |        |        |    |          |                       |
|----|----|---|----|---|------------|--------|--------|----|----------|-----------------------|
| 10 | 20 | 3 | 30 | A | G (coarse) | 28,600 | 38,100 | 10 | 47700290 | PNER-H SP 1020/3 A G  |
|    |    |   |    |   | F (fine)   | 28,600 | 38,100 | 10 | 47700289 | PNER-MH SP 1020/3 A F |

Continued on next page

# Non-woven tools

## POLINOX compact mounted points PNER



| D<br>[mm]                        | T<br>[mm] | S <sub>d</sub><br>[mm] | L<br>[mm] | Abrasive                 | Grit size            | Opt. RPM | Max.<br>RPM |  | Item no.                 | Designation           |
|----------------------------------|-----------|------------------------|-----------|--------------------------|----------------------|----------|-------------|-----------------------------------------------------------------------------------|--------------------------|-----------------------|
| Cylindrical with radius end PNER |           |                        |           |                          |                      |          |             |                                                                                   |                          |                       |
| 10                               | 25        | 3                      | 30        | A                        | G (coarse)           | 28,600   | 38,100      | 10                                                                                | <a href="#">47700296</a> | PNER-H WR 1025/3 A G  |
|                                  |           |                        |           |                          | F (fine)             | 28,600   | 38,100      | 10                                                                                | <a href="#">47700295</a> | PNER-MH WR 1025/3 A F |
| Cylindrical PNER                 |           |                        |           |                          |                      |          |             |                                                                                   |                          |                       |
| 10                               | 10        | 3                      | 30        | A                        | G (coarse)           | 28,600   | 38,100      | 10                                                                                | <a href="#">47700252</a> | PNER-H ZY 1010/3 A G  |
|                                  |           |                        |           |                          | F (fine)             | 28,600   | 38,100      | 10                                                                                | <a href="#">47700251</a> | PNER-MH ZY 1010/3 A F |
|                                  | 20        | 3                      | 30        | A                        | G (coarse)           | 28,600   | 38,100      | 10                                                                                | <a href="#">47700255</a> | PNER-H ZY 1020/3 A G  |
|                                  |           |                        |           |                          | F (fine)             | 28,600   | 38,100      | 10                                                                                | <a href="#">47700254</a> | PNER-MH ZY 1020/3 A F |
| 15                               | 10        | 3                      | 30        | A                        | G (coarse)           | 25,400   | 44,500      | 10                                                                                | <a href="#">47700257</a> | PNER-H ZY 1510/3 6 G  |
|                                  |           | 6                      | 30        | A                        | F (fine)             | 25,400   | 44,500      | 10                                                                                | <a href="#">47700256</a> | PNER-MH ZY 1510/6 A F |
|                                  | 20        | 6                      | 30        | A                        | G (coarse)           | 25,400   | 44,500      | 10                                                                                | <a href="#">47700259</a> | PNER-H ZY 1520/6 A G  |
|                                  |           |                        |           |                          | F (fine)             | 25,400   | 44,500      | 10                                                                                | <a href="#">47700258</a> | PNER-MH ZY 1520/6 A F |
| 20                               | 10        | 6                      | 40        | A                        | G (coarse)           | 23,800   | 33,400      | 10                                                                                | <a href="#">47700263</a> | PNER-H ZY 2010/6 A G  |
|                                  |           |                        |           |                          | F (fine)             | 23,800   | 33,400      | 10                                                                                | <a href="#">47700262</a> | PNER-MH ZY 2010/6 A F |
|                                  |           |                        |           |                          |                      |          |             |                                                                                   | <a href="#">47700261</a> | PNER-MW ZY 2010/6 A F |
|                                  | 20        | 6                      | 40        | A                        | G (coarse)           | 23,800   | 33,400      | 10                                                                                | <a href="#">47700267</a> | PNER-H ZY 2020/6 A G  |
|                                  |           |                        |           |                          | F (fine)             | 23,800   | 33,400      | 10                                                                                | <a href="#">47700266</a> | PNER-MH ZY 2020/6 A F |
|                                  |           |                        |           |                          |                      |          |             |                                                                                   | <a href="#">47700265</a> | PNER-MW ZY 2020/6 A F |
| 25                               | 13        | 6                      | 40        | A                        | G (coarse)           | 19,000   | 30,500      | 10                                                                                | <a href="#">47700271</a> | PNER-H ZY 2513/6 A G  |
|                                  |           |                        |           |                          | F (fine)             | 19,000   | 30,500      | 10                                                                                | <a href="#">47700270</a> | PNER-MH ZY 2513/6 A F |
|                                  |           |                        |           |                          |                      |          |             |                                                                                   | <a href="#">47700269</a> | PNER-MW ZY 2513/6 A F |
|                                  | 25        | 6                      | 40        | A                        | G (coarse)           | 19,000   | 30,500      | 10                                                                                | <a href="#">47700275</a> | PNER-H ZY 2525/6 A G  |
|                                  |           |                        |           |                          | F (fine)             | 19,000   | 30,500      | 10                                                                                | <a href="#">47700274</a> | PNER-MH ZY 2525/6 A F |
|                                  |           |                        |           |                          |                      |          |             |                                                                                   | <a href="#">47700273</a> | PNER-MW ZY 2525/6 A F |
| 50                               | 13        | 6                      | 40        | A                        | G (coarse)           | 9,500    | 15,300      | 5                                                                                 | <a href="#">47700229</a> | PNER-H ZY 5013/6 A G  |
|                                  |           |                        |           |                          | F (fine)             | 9,500    | 15,300      | 5                                                                                 | <a href="#">47700228</a> | PNER-MH ZY 5013/6 A F |
|                                  |           |                        |           |                          |                      |          |             |                                                                                   | <a href="#">47700226</a> | PNER-MW ZY 5013/6 A F |
|                                  |           |                        |           |                          | G (coarse)           | 9,500    | 15,300      | 5                                                                                 | <a href="#">47700224</a> | PNER-W ZY 5013/6 A G  |
|                                  | 25        | 6                      | 40        | A                        | G (coarse)           | 9,500    | 15,300      | 5                                                                                 | <a href="#">47700236</a> | PNER-H ZY 5025/6 A G  |
|                                  |           |                        |           |                          | F (fine)             | 9,500    | 15,300      | 5                                                                                 | <a href="#">47700235</a> | PNER-MH ZY 5025/6 A F |
|                                  |           |                        |           |                          |                      |          |             |                                                                                   | <a href="#">47700233</a> | PNER-MW ZY 5025/6 A F |
|                                  |           |                        |           |                          | G (coarse)           | 9,500    | 15,300      | 5                                                                                 | <a href="#">47700231</a> | PNER-W ZY 5025/6 A G  |
| 75                               | 13        | 6                      | 40        | A                        | G (coarse)           | 6,400    | 10,200      | 5                                                                                 | <a href="#">47700243</a> | PNER-H ZY 7513/6 A G  |
|                                  |           |                        | 40        |                          | F (fine)             | 6,400    | 10,200      | 5                                                                                 | <a href="#">47700242</a> | PNER-MH ZY 7513/6 A F |
|                                  |           | 6                      | 40        | A                        | F (fine)             | 6,400    | 10,200      | 5                                                                                 | <a href="#">47700240</a> | PNER-MW ZY 7513/6 A F |
|                                  |           |                        |           |                          | G (coarse)           | 6,400    | 10,200      | 5                                                                                 | <a href="#">47700238</a> | PNER-W ZY 7513/6 A G  |
|                                  | 25        | 6                      | 40        | A                        | G (coarse)           | 6,400    | 10,200      | 5                                                                                 | <a href="#">47700249</a> | PNER-H ZY 7525/6 A G  |
|                                  |           |                        |           |                          | F (fine)             | 6,400    | 10,200      | 5                                                                                 | <a href="#">47700248</a> | PNER-MH ZY 7525/6 A F |
|                                  |           |                        |           |                          |                      |          |             |                                                                                   | <a href="#">47700247</a> | PNER-MW ZY 7525/6 A F |
|                                  |           |                        |           | <a href="#">47700245</a> | PNER-W ZY 7525/6 A G |          |             |                                                                                   |                          |                       |

# Non-woven tools

## POLINOX compact mounted points PNER



### Silicon carbide SiC version

Multiple heavily compressed, non-woven layers, which are bonded together by a special grain/resin system. The SiC version is ideally suited to demanding tasks on hard or sensitive materials.

#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- Produces very good surface quality.
- Ideal for removing heat discolouration in hard-to-reach areas.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation |
|-----------|-----------|------------------------|-----------|----------|-----------|----------|-------------|--|----------|-------------|
|-----------|-----------|------------------------|-----------|----------|-----------|----------|-------------|--|----------|-------------|

#### Tapered PNER

|    |    |   |    |     |          |        |        |    |                          |                         |
|----|----|---|----|-----|----------|--------|--------|----|--------------------------|-------------------------|
| 10 | 25 | 3 | 30 | SiC | F (fine) | 28,600 | 38,100 | 10 | <a href="#">47700291</a> | PNER-MH KE 1025/3 SiC F |
|----|----|---|----|-----|----------|--------|--------|----|--------------------------|-------------------------|

#### Ball PNER

|    |    |   |    |     |          |        |        |    |                          |                       |
|----|----|---|----|-----|----------|--------|--------|----|--------------------------|-----------------------|
| 15 | 15 | 6 | 40 | SiC | F (fine) | 25,400 | 44,500 | 10 | <a href="#">47700276</a> | PNER-MW KU 15/6 SiC F |
| 20 | 20 | 6 | 40 | SiC | F (fine) | 23,800 | 33,400 | 10 | <a href="#">47700280</a> | PNER-MW KU 20/6 SiC F |
| 25 | 25 | 6 | 40 | SiC | F (fine) | 19,000 | 30,500 | 10 | <a href="#">47700284</a> | PNER-MW KU 25/6 SiC F |

#### Tree PNER

|    |    |   |    |     |          |        |        |    |                          |                         |
|----|----|---|----|-----|----------|--------|--------|----|--------------------------|-------------------------|
| 10 | 20 | 3 | 30 | SiC | F (fine) | 28,600 | 38,100 | 10 | <a href="#">47700288</a> | PNER-MH SP 1020/3 SiC F |
|----|----|---|----|-----|----------|--------|--------|----|--------------------------|-------------------------|

#### Cylindrical with radius end PNER

|    |    |   |    |     |          |        |        |    |                          |                         |
|----|----|---|----|-----|----------|--------|--------|----|--------------------------|-------------------------|
| 10 | 25 | 3 | 30 | SiC | F (fine) | 28,600 | 38,100 | 10 | <a href="#">47700294</a> | PNER-MH WR 1025/3 SiC F |
|----|----|---|----|-----|----------|--------|--------|----|--------------------------|-------------------------|

#### Cylindrical PNER

|    |    |   |    |     |          |        |        |    |                          |                         |
|----|----|---|----|-----|----------|--------|--------|----|--------------------------|-------------------------|
| 10 | 10 | 3 | 30 | SiC | F (fine) | 28,600 | 38,100 | 10 | <a href="#">47700250</a> | PNER-MH ZY 1010/3 SiC F |
|    | 20 | 3 | 30 | SiC | F (fine) | 28,600 | 38,100 | 10 | <a href="#">47700253</a> | PNER-MH ZY 1020/3 SiC F |
| 20 | 10 | 6 | 40 | SiC | F (fine) | 23,800 | 33,400 | 10 | <a href="#">47700260</a> | PNER-MW ZY 2010/6 SiC F |
|    | 20 | 6 | 40 | SiC | F (fine) | 23,800 | 33,400 | 10 | <a href="#">47700264</a> | PNER-MW ZY 2020/6 SiC F |
| 25 | 13 | 6 | 40 | SiC | F (fine) | 19,000 | 30,500 | 10 | <a href="#">47700268</a> | PNER-MW ZY 2513/6 SiC F |
|    | 25 | 6 | 40 | SiC | F (fine) | 19,000 | 30,500 | 10 | <a href="#">47700272</a> | PNER-MW ZY 2525/6 SiC F |
| 50 | 13 | 6 | 40 | SiC | F (fine) | 6,400  | 10,200 | 5  | <a href="#">47700227</a> | PNER-MH ZY 5013/6 SiC F |
|    |    |   |    |     |          |        |        | 5  | <a href="#">47700225</a> | PNER-MW ZY 5013/6 SiC F |
|    |    |   |    |     |          |        |        | 5  | <a href="#">47700223</a> | PNER-W ZY 5013/6 SiC F  |
|    | 25 | 6 | 40 | SiC | F (fine) | 9,500  | 15,300 | 5  | <a href="#">47700234</a> | PNER-MH ZY 5025/6 SiC F |
|    |    |   |    |     |          |        |        | 5  | <a href="#">47700232</a> | PNER-MW ZY 5025/6 SiC F |
|    |    |   |    |     |          |        |        | 5  | <a href="#">47700230</a> | PNER-W ZY 5025/6 SiC F  |
| 75 | 13 | 6 | 40 | SiC | F (fine) | 6,400  | 10,200 | 5  | <a href="#">47700241</a> | PNER-MH ZY 7513/6 SiC F |
|    |    |   |    |     |          |        |        | 5  | <a href="#">47700239</a> | PNER-MW ZY 7513/6 SiC F |
|    |    |   |    |     |          |        |        | 5  | <a href="#">47700237</a> | PNER-W ZY 7513/6 SiC F  |
|    | 25 | 6 | 40 | SiC | F (fine) | 6,400  | 10,200 | 5  | <a href="#">47700246</a> | PNER-MW ZY 7525/6 SiC F |
|    |    |   |    |     |          |        |        | 5  | <a href="#">47700244</a> | PNER-W ZY 7525/6 SiC F  |



# Non-woven tools

## General information on POLINOX convolute wheels PNK



### Available types

- W Soft**  
Soft version with very good abrasive performance on contours. Very good 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 tool 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 tool life for medium to heavy-duty deburring and polishing applications.
- EH Extra-hard**  
Extra-hard version with excellent edge strength for demanding deburring work.



### Comparison table

| PFERD TOOLS<br>PNK |             |          |        | 3M                | Standard<br>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 |

# Non-woven tools

## POLINOX convolute wheels PNK



### PNK type

Consist of non-woven abrasive which is wound around a core in a spiral shape. Particularly suitable for working on soft metals, alloyed and high-alloy steels and titanium alloys, e.g. on turbine blades and for the removal of processing traces on surgical instruments.



### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- Produces very good surface quality. Can be profiled as desired, enabling optimal adjustment to the contour.
- Ideal for cleaning, deburring, blending and polishing.

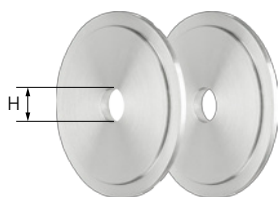
| D [mm] | T [mm] | H [mm] | Grit size | Version          | Abrasive | Opt. RPM | Max. RPM |  | Item no. | Designation             |
|--------|--------|--------|-----------|------------------|----------|----------|----------|-----------------------------------------------------------------------------------|----------|-------------------------|
| 150    | 13     | 25.4   | fine      | MW (medium-soft) | SiC      | 2,500    | 5,100    | 1                                                                                 | 47802637 | PNK-MW 15013-25,4 SiC F |
|        |        |        |           | MH (medium-hard) | SiC      | 2,500    | 5,100    | 1                                                                                 | 47802639 | PNK-MH 15013-25,4 SiC F |
|        |        |        | coarse    | MH (medium-hard) | A        | 2,500    | 5,100    | 1                                                                                 | 47802638 | PNK-MH 15013-25,4 A G   |
|        |        |        |           | H (hard)         | SiC      | 2,500    | 5,100    | 1                                                                                 | 47802640 | PNK-H 15013-25,4 SiC F  |
|        |        |        | fine      | EH (extra-hard)  | SiC      | 2,500    | 5,100    | 1                                                                                 | 47803030 | PNK-EH 15013-25,4 SiC F |
|        |        |        |           | W (soft)         | A        | 2,500    | 5,100    | 1                                                                                 | 47802730 | PNK-W 15025-25,4 A G    |
|        | 25     | 25.4   | coarse    | MW (medium-soft) | SiC      | 2,500    | 5,100    | 1                                                                                 | 47802641 | PNK-MW 15025-25,4 SiC F |
|        |        |        |           | MH (medium-hard) | SiC      | 2,500    | 5,100    | 1                                                                                 | 47802643 | PNK-MH 15025-25,4 SiC F |
|        |        |        | fine      | MH (medium-hard) | A        | 2,500    | 5,100    | 1                                                                                 | 47802642 | PNK-MH 15025-25,4 A G   |
|        |        |        |           | H (hard)         | SiC      | 2,500    | 5,100    | 1                                                                                 | 47802644 | PNK-H 15025-25,4 SiC F  |
|        |        |        | coarse    | EH (extra-hard)  | SiC      | 2,500    | 5,100    | 1                                                                                 | 47803031 | PNK-EH 15025-25,4 SiC F |
|        |        |        |           | W (soft)         | A        | 2,500    | 5,100    | 1                                                                                 | 47802731 | PNK-W 15050-25,4 A G    |
|        | 50     | 25.4   | coarse    | W (soft)         | A        | 2,500    | 5,100    | 1                                                                                 | 47802731 | PNK-W 15050-25,4 A G    |
| 200    | 13     | 76.2   | fine      | MW (medium-soft) | SiC      | 1,900    | 3,850    | 1                                                                                 | 47802645 | PNK-MW 20013-76,2 SiC F |
|        |        |        |           | MH (medium-hard) | SiC      | 1,900    | 3,850    | 1                                                                                 | 47802647 | PNK-MH 20013-76,2 SiC F |
|        |        |        | coarse    | MH (medium-hard) | A        | 1,900    | 3,850    | 1                                                                                 | 47802646 | PNK-MH 20013-76,2 A G   |
|        |        |        |           | H (hard)         | SiC      | 1,900    | 3,850    | 1                                                                                 | 47802648 | PNK-H 20013-76,2 SiC F  |
|        |        |        | fine      | EH (extra-hard)  | SiC      | 1,900    | 3,850    | 1                                                                                 | 47802882 | PNK-EH 20013-76,2 SiC F |
|        |        |        |           | W (soft)         | A        | 1,900    | 3,850    | 1                                                                                 | 47803029 | PNK-W 20025-76,2 A G    |
|        | 25     | 76.2   | coarse    | MW (medium-soft) | SiC      | 1,900    | 3,850    | 1                                                                                 | 47802649 | PNK-MW 20025-76,2 SiC F |
|        |        |        |           | MH (medium-hard) | SiC      | 1,900    | 3,850    | 1                                                                                 | 47802651 | PNK-MH 20025-76,2 SiC F |
|        |        |        | fine      | MH (medium-hard) | A        | 1,900    | 3,850    | 1                                                                                 | 47802650 | PNK-MH 20025-76,2 A G   |
|        |        |        |           | H (hard)         | SiC      | 1,900    | 3,850    | 1                                                                                 | 47802652 | PNK-H 20025-76,2 SiC F  |
|        |        |        | coarse    | EH (extra-hard)  | SiC      | 1,900    | 3,850    | 1                                                                                 | 47802881 | PNK-EH 20025-76,2 SiC F |
|        |        |        |           | W (soft)         | A        | 1,900    | 3,850    | 1                                                                                 | 47802732 | PNK-W 20050-76,2 A G    |
|        | 50     | 76.2   | coarse    | MW (medium-soft) | SiC      | 1,900    | 3,850    | 1                                                                                 | 47802653 | PNK-MW 20050-76,2 SiC F |
|        |        |        |           | MH (medium-hard) | SiC      | 1,900    | 3,850    | 1                                                                                 | 47802655 | PNK-MH 20050-76,2 SiC F |
|        |        |        | fine      | MH (medium-hard) | A        | 1,900    | 3,850    | 1                                                                                 | 47802654 | PNK-MH 20050-76,2 A G   |
|        |        |        |           | H (hard)         | SiC      | 1,900    | 3,850    | 1                                                                                 | 47802656 | PNK-H 20050-76,2 SiC F  |
|        |        |        | coarse    | EH (extra-hard)  | SiC      | 1,900    | 3,850    | 1                                                                                 | 47802880 | PNK-EH 20050-76,2 SiC F |
|        |        |        |           | W (soft)         | A        | 1,900    | 3,850    | 1                                                                                 | 47802732 | PNK-W 20050-76,2 A G    |





# Non-woven tools

## Clamping flanges for POLINOX convolute wheels PNK



### RF PNK

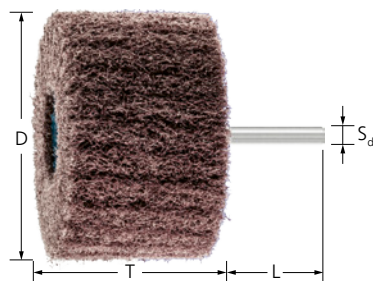
For mounting POLINOX convolute wheels PNK with a diameter of 200 mm on stationary machines such as double grinding machines (bench grinders).

#### Special features:

- High accuracy of fit.
- Hole can be expanded as desired.

| Suitable for tool diameter [mm] | H [mm] |  | Item no. | Designation         |
|---------------------------------|--------|-----------------------------------------------------------------------------------|----------|---------------------|
| 76,2                            | 16.1   | 1                                                                                 | 47601200 | RF PNK 200 Bo. 16,1 |
|                                 | 25.4   | 1                                                                                 | 47601201 | RF PNK 200 Bo. 25,4 |
|                                 | 31.8   | 1                                                                                 | 47601202 | RF PNK 200 Bo. 31,8 |

## POLINOX mounted grinding wheels



### PNL type

The non-woven abrasive material is arranged in multiple radial flaps. A long tool life is achieved through the dense packing of the flaps. It is particularly used for surface work. Available in aluminium oxide A and silicon carbide (SiC).



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.

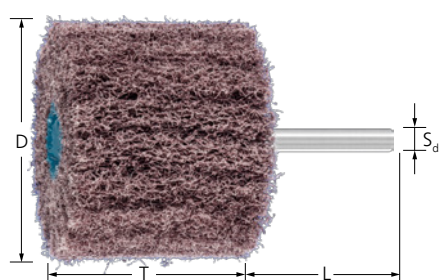
| D [mm]                   | T [mm] | S <sub>d</sub> [mm] | L [mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation      |
|--------------------------|--------|---------------------|--------|----------|-----------|----------|----------|-------------------------------------------------------------------------------------|----------|------------------|
| <b>Aluminium oxide A</b> |        |                     |        |          |           |          |          |                                                                                     |          |                  |
| 30                       | 25     | 6                   | 40     | A        | 100       | 10,000   | 20,000   | 10                                                                                  | 44653100 | PNL 3025/6 A 100 |
|                          |        |                     |        |          | 180       | 10,000   | 20,000   | 10                                                                                  | 44653180 | PNL 3025/6 A 180 |
|                          |        |                     |        |          | 280       | 10,000   | 20,000   | 10                                                                                  | 44653280 | PNL 3025/6 A 280 |
| 40                       | 20     | 6                   | 40     | A        | 80        | 7,500    | 15,000   | 10                                                                                  | 44698505 | PNL 4020/6 A 80  |
|                          |        |                     |        |          | 100       | 7,500    | 15,000   | 10                                                                                  | 44654100 | PNL 4020/6 A 100 |
|                          |        |                     |        |          | 180       | 7,500    | 15,000   | 10                                                                                  | 44654180 | PNL 4020/6 A 180 |
|                          |        |                     |        |          | 280       | 7,500    | 15,000   | 10                                                                                  | 44654280 | PNL 4020/6 A 280 |
|                          |        |                     |        |          | 360       | 7,500    | 15,000   | 10                                                                                  | 44698506 | PNL 4020/6 A 360 |
|                          |        |                     |        |          |           |          |          |                                                                                     |          |                  |
| 50                       | 30     | 6                   | 40     | A        | 80        | 6,000    | 12,000   | 10                                                                                  | 44698507 | PNL 5030/6 A 80  |
|                          |        |                     |        |          | 100       | 6,000    | 12,000   | 10                                                                                  | 44655100 | PNL 5030/6 A 100 |
|                          |        |                     |        |          | 180       | 6,000    | 12,000   | 10                                                                                  | 44655180 | PNL 5030/6 A 180 |
|                          |        |                     |        |          | 280       | 6,000    | 12,000   | 10                                                                                  | 44655280 | PNL 5030/6 A 280 |
|                          |        |                     |        |          | 360       | 6,000    | 12,000   | 10                                                                                  | 44698508 | PNL 5030/6 A 360 |
| 60                       | 25     | 6                   | 40     | A        | 100       | 5,000    | 10,000   | 10                                                                                  | 44656010 | PNL 6025/6 A 100 |
|                          |        |                     |        |          | 180       | 5,000    | 10,000   | 10                                                                                  | 44656018 | PNL 6025/6 A 180 |
|                          |        |                     |        |          | 280       | 5,000    | 10,000   | 10                                                                                  | 44656028 | PNL 6025/6 A 280 |
|                          | 50     | 6                   | 40     | A        | 80        | 5,000    | 10,000   | 10                                                                                  | 47802761 | PNL 6050/6 A 80  |
|                          |        |                     |        |          | 100       | 5,000    | 10,000   | 10                                                                                  | 44666100 | PNL 6050/6 A 100 |
|                          |        |                     |        |          | 180       | 5,000    | 10,000   | 10                                                                                  | 44666180 | PNL 6050/6 A 180 |
|                          |        |                     |        |          | 280       | 5,000    | 10,000   | 10                                                                                  | 44666280 | PNL 6050/6 A 280 |
|                          |        |                     |        |          | 360       | 5,000    | 10,000   | 10                                                                                  | 44698509 | PNL 6050/6 A 360 |
|                          |        |                     |        |          |           |          |          |                                                                                     |          |                  |
|                          |        |                     |        |          |           |          |          |                                                                                     |          |                  |
|                          |        |                     |        |          |           |          |          |                                                                                     |          |                  |
|                          |        |                     |        |          |           |          |          |                                                                                     |          |                  |

Continued on next page

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation      |
|-----------|-----------|------------------------|-----------|----------|-----------|----------|-------------|-----------------------------------------------------------------------------------|----------|------------------|
| 80        | 25        | 6                      | 40        | A        | 100       | 4,000    | 7,500       | 10                                                                                | 44658010 | PNL 8025/6 A 100 |
|           |           |                        |           |          | 180       | 4,000    | 7,500       | 10                                                                                | 44658018 | PNL 8025/6 A 180 |
|           |           |                        |           |          | 280       | 4,000    | 7,500       | 10                                                                                | 44658028 | PNL 8025/6 A 280 |
|           | 50        | 6                      | 40        | A        | 80        | 4,000    | 7,500       | 10                                                                                | 44698510 | PNL 8050/6 A 80  |
|           |           |                        |           |          | 100       | 4,000    | 7,500       | 10                                                                                | 44658100 | PNL 8050/6 A 100 |
|           |           |                        |           |          | 180       | 4,000    | 7,500       | 10                                                                                | 44658180 | PNL 8050/6 A 180 |
|           |           |                        |           |          | 280       | 4,000    | 7,500       | 10                                                                                | 44658280 | PNL 8050/6 A 280 |
|           |           |                        |           |          | 360       | 4,000    | 7,500       | 10                                                                                | 44698511 | PNL 8050/6 A 360 |

### Silicon carbide (SiC)

|    |    |   |    |     |     |       |        |    |          |                    |
|----|----|---|----|-----|-----|-------|--------|----|----------|--------------------|
| 40 | 20 | 6 | 40 | SiC | 100 | 7,500 | 15,000 | 10 | 44640410 | PNL 4020/6 SiC 100 |
|    |    |   |    |     | 180 | 7,500 | 15,000 | 10 | 44640418 | PNL 4020/6 SiC 180 |
|    |    |   |    |     | 280 | 7,500 | 15,000 | 10 | 44640428 | PNL 4020/6 SiC 280 |
| 50 | 30 | 6 | 40 | SiC | 100 | 6,000 | 12,000 | 10 | 44640510 | PNL 5030/6 SiC 100 |
|    |    |   |    |     | 180 | 6,000 | 12,000 | 10 | 44640518 | PNL 5030/6 SiC 180 |
|    |    |   |    |     | 280 | 6,000 | 12,000 | 10 | 44640528 | PNL 5030/6 SiC 280 |
| 60 | 50 | 6 | 40 | SiC | 100 | 5,000 | 10,000 | 10 | 44640610 | PNL 6050/6 SiC 100 |
|    |    |   |    |     | 180 | 5,000 | 10,000 | 10 | 44640618 | PNL 6050/6 SiC 180 |
|    |    |   |    |     | 280 | 5,000 | 10,000 | 10 | 44640628 | PNL 6050/6 SiC 280 |
| 80 | 50 | 6 | 40 | SiC | 100 | 4,000 | 7,500  | 10 | 44640810 | PNL 8050/6 SiC 100 |
|    |    |   |    |     | 180 | 4,000 | 7,500  | 10 | 44640818 | PNL 8050/6 SiC 180 |
|    |    |   |    |     | 280 | 4,000 | 7,500  | 10 | 44640828 | PNL 8050/6 SiC 280 |



### PNL-HP version

The non-woven abrasive material is arranged in multiple radial flaps. An extremely long tool life is achieved through the dense packing of the flaps. It is particularly used for surface work.

#### Special features:

- Cool grinding and low thermal load on the workpiece.
- Particularly aggressive grinding.
- The open structure and high flexibility of the non-woven material prevents tool clogging.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation |
|-----------|-----------|------------------------|-----------|----------|-----------|----------|-------------|-------------------------------------------------------------------------------------|----------|-------------|
|-----------|-----------|------------------------|-----------|----------|-----------|----------|-------------|-------------------------------------------------------------------------------------|----------|-------------|

### Aluminium oxide A

|    |    |   |    |   |     |       |        |    |          |                   |
|----|----|---|----|---|-----|-------|--------|----|----------|-------------------|
| 40 | 20 | 6 | 40 | A | 100 | 7,500 | 15,000 | 10 | 44657100 | PNL-HP 4020/6A100 |
|    |    |   |    |   | 180 | 7,500 | 15,000 | 10 | 44657180 | PNL-HP 4020/6A180 |
| 50 | 30 | 6 | 40 | A | 100 | 6,000 | 12,000 | 10 | 44659100 | PNL-HP 5030/6A100 |
|    |    |   |    |   | 180 | 6,000 | 12,000 | 10 | 44659180 | PNL-HP 5030/6A180 |
| 60 | 50 | 6 | 40 | A | 100 | 5,000 | 10,000 | 10 | 44661100 | PNL-HP 6050/6A100 |
|    |    |   |    |   | 180 | 5,000 | 10,000 | 10 | 44661180 | PNL-HP 6050/6A180 |
| 80 | 50 | 6 | 40 | A | 100 | 4,000 | 7,500  | 10 | 44662100 | PNL-HP 8050/6A100 |
|    |    |   |    |   | 180 | 4,000 | 7,500  | 10 | 44662180 | PNL-HP 8050/6A180 |

### Silicon carbide (SiC)

|    |    |   |    |     |     |       |        |    |          |                     |
|----|----|---|----|-----|-----|-------|--------|----|----------|---------------------|
| 40 | 20 | 6 | 40 | SiC | 100 | 7,500 | 15,000 | 10 | 44657110 | PNL-HP 4020/6SiC100 |
|    |    |   |    |     | 180 | 7,500 | 15,000 | 10 | 44657118 | PNL-HP 4020/6SiC180 |
| 50 | 30 | 6 | 40 | SiC | 100 | 6,000 | 12,000 | 10 | 44659110 | PNL-HP 5030/6SiC100 |
|    |    |   |    |     | 180 | 6,000 | 12,000 | 10 | 44659118 | PNL-HP 5030/6SiC180 |
| 60 | 50 | 6 | 40 | SiC | 100 | 5,000 | 10,000 | 10 | 44661110 | PNL-HP 6050/6SiC100 |
|    |    |   |    |     | 180 | 5,000 | 10,000 | 10 | 44661118 | PNL-HP 6050/6SiC180 |

Continued on next page

# Non-woven tools

## POLINOX mounted grinding wheels



| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |    | Item no. | Designation         |
|-----------|-----------|------------------------|-----------|----------|-----------|----------|-------------|----|----------|---------------------|
| 80        | 50        | 6                      | 40        | SiC      | 100       | 4,000    | 7,500       | 10 | 44662110 | PNL-HP 8050/6SiC100 |
|           |           |                        |           |          | 180       | 4,000    | 7,500       | 10 | 44662118 | PNL-HP 8050/6SiC180 |



### PNZ type

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. Available in aluminium oxide A and silicon carbide (SiC).



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation |
|-----------|-----------|------------------------|-----------|----------|-----------|----------|-------------|--|----------|-------------|
|-----------|-----------|------------------------|-----------|----------|-----------|----------|-------------|--|----------|-------------|

#### Aluminium oxide A

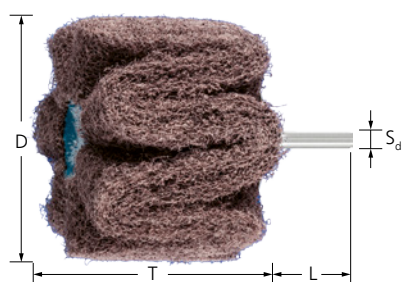
|     |    |   |    |   |     |        |        |    |          |                   |
|-----|----|---|----|---|-----|--------|--------|----|----------|-------------------|
| 30  | 25 | 6 | 40 | A | 100 | 10,000 | 20,000 | 10 | 44653080 | PNZ 3025/6 A 100  |
|     |    |   |    |   | 180 | 10,000 | 20,000 | 10 | 44653088 | PNZ 3025/6 A 180  |
| 40  | 20 | 6 | 40 | A | 80  | 7,500  | 15,000 | 10 | 44698512 | PNZ 4020/6 A 80   |
|     |    |   |    |   | 100 | 7,500  | 15,000 | 10 | 44654080 | PNZ 4020/6 A 100  |
|     |    |   |    |   | 180 | 7,500  | 15,000 | 10 | 44654088 | PNZ 4020/6 A 180  |
| 50  | 30 | 6 | 40 | A | 80  | 6,000  | 12,000 | 10 | 44698513 | PNZ 5030/6 A 80   |
|     |    |   |    |   | 100 | 6,000  | 12,000 | 10 | 44655080 | PNZ 5030/6 A 100  |
|     |    |   |    |   | 180 | 6,000  | 12,000 | 10 | 44655088 | PNZ 5030/6 A 180  |
| 60  | 25 | 6 | 40 | A | 100 | 5,000  | 10,000 | 10 | 44656030 | PNZ 6025/6 A 100  |
|     |    |   |    |   | 180 | 5,000  | 10,000 | 10 | 44656038 | PNZ 6025/6 A 180  |
|     | 50 | 6 | 40 | A | 80  | 5,000  | 10,000 | 10 | 44698514 | PNZ 6050/6 A 80   |
|     |    |   |    |   | 100 | 5,000  | 10,000 | 10 | 44656080 | PNZ 6050/6 A 100  |
| 80  | 25 | 6 | 40 | A | 100 | 4,000  | 7,500  | 10 | 44658030 | PNZ 8025/6 A 100  |
|     |    |   |    |   | 180 | 4,000  | 7,500  | 10 | 44658038 | PNZ 8025/6 A 180  |
|     | 50 | 6 | 40 | A | 80  | 4,000  | 7,500  | 10 | 44698515 | PNZ 8050/6 A 80   |
|     |    |   |    |   | 100 | 4,000  | 7,500  | 10 | 44658080 | PNZ 8050/6 A 100  |
| 100 | 50 | 6 | 40 | A | 180 | 4,000  | 7,500  | 10 | 44658088 | PNZ 8050/6 A 180  |
|     |    |   |    |   | 100 | 3,000  | 6,000  | 5  | 44690080 | PNZ 10050/6 A 100 |
|     |    |   |    |   | 180 | 3,000  | 6,000  | 5  | 44690088 | PNZ 10050/6 A 180 |

#### Silicon carbide (SiC)

|    |    |   |    |     |     |       |       |    |          |                    |
|----|----|---|----|-----|-----|-------|-------|----|----------|--------------------|
| 80 | 50 | 6 | 40 | SiC | 100 | 4,000 | 7,500 | 10 | 44640806 | PNZ 8050/6 SiC 100 |
|    |    |   |    |     | 180 | 4,000 | 7,500 | 10 | 44640808 | PNZ 8050/6 SiC 180 |

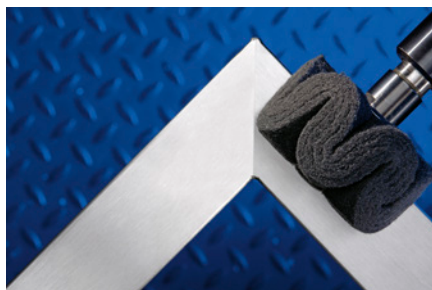
# Non-woven tools

## POLINOX mounted grinding wheels



### PNG type

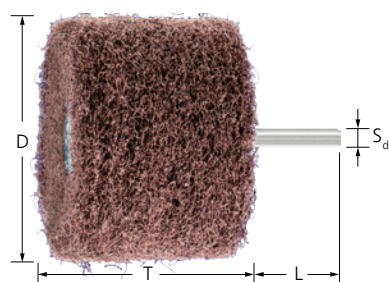
Made of several very wavyly arranged strips of non-woven abrasive material, wound around a core. The wavy structure of the non-woven abrasive material permits seamless brush matting of surfaces. Available in aluminium oxide A and silicon carbide (SiC).



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.

| D<br>[mm]             | T<br>[mm] | S <sub>d</sub><br>[mm] | L<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation         |
|-----------------------|-----------|------------------------|-----------|----------|-----------|----------|-------------|-----------------------------------------------------------------------------------|----------|---------------------|
| Aluminium oxide A     |           |                        |           |          |           |          |             |                                                                                   |          |                     |
| 80                    | 50        | 6                      | 40        | A        | 100       | 4,000    | 7,500       | 10                                                                                | 44646010 | PNG 8050/6 A 100    |
|                       |           |                        |           |          | 180       | 4,000    | 7,500       | 10                                                                                | 44646018 | PNG 8050/6 A 180    |
|                       |           |                        |           |          | 280       | 4,000    | 7,500       | 10                                                                                | 44646028 | PNG 8050/6 A 280    |
| 100                   | 50        | 6                      | 40        | A        | 100       | 3,000    | 6,000       | 5                                                                                 | 44669100 | PNG 10050/6 A 100   |
|                       |           |                        |           |          | 180       | 3,000    | 6,000       | 5                                                                                 | 44669180 | PNG 10050/6 A 180   |
|                       |           |                        |           |          | 280       | 3,000    | 6,000       | 5                                                                                 | 44669280 | PNG 10050/6 A 280   |
| Silicon carbide (SiC) |           |                        |           |          |           |          |             |                                                                                   |          |                     |
| 80                    | 50        | 6                      | 40        | SiC      | 100       | 4,000    | 7,500       | 10                                                                                | 44640851 | PNG 8050/6 SiC 100  |
|                       |           |                        |           |          | 180       | 4,000    | 7,500       | 10                                                                                | 44640858 | PNG 8050/6 SiC 180  |
|                       |           |                        |           |          | 280       | 4,000    | 7,500       | 10                                                                                | 44640862 | PNG 8050/6 SiC 280  |
| 100                   | 50        | 6                      | 40        | SiC      | 100       | 3,000    | 6,000       | 5                                                                                 | 44640910 | PNG 10050/6 SiC 100 |
|                       |           |                        |           |          | 180       | 3,000    | 6,000       | 5                                                                                 | 44640918 | PNG 10050/6 SiC 180 |
|                       |           |                        |           |          | 280       | 3,000    | 6,000       | 5                                                                                 | 44640922 | PNG 10050/6 SiC 280 |



### PNR type

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. Available in aluminium oxide A.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation         |
|-----------|-----------|------------------------|-----------|----------|-----------|----------|-------------|-------------------------------------------------------------------------------------|----------|---------------------|
| 25        | 15        | 2.35                   | 40        | A        | 100       | 7,600    | 12,300      | 10                                                                                  | 44650131 | PNR 2515/2,35 A 100 |
|           |           |                        |           |          | 180       | 7,600    | 12,300      | 10                                                                                  | 44650132 | PNR 2515/2,35 A 180 |
|           |           |                        |           |          | 280       | 7,600    | 12,300      | 10                                                                                  | 44650133 | PNR 2515/2,35 A 280 |
|           |           | 3                      | 40        | A        | 100       | 7,600    | 12,300      | 10                                                                                  | 44650231 | PNR 2515/3 A 100    |
|           |           |                        |           |          | 180       | 7,600    | 12,300      | 10                                                                                  | 44650232 | PNR 2515/3 A 180    |
|           |           |                        |           |          | 280       | 7,600    | 12,300      | 10                                                                                  | 44650233 | PNR 2515/3 A 280    |

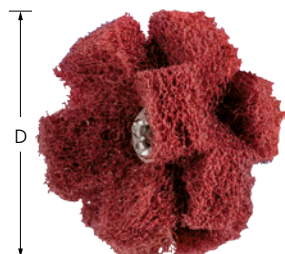
Continued on next page

# Non-woven tools

## POLINOX mounted grinding wheels

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L<br>[mm] | Abrasive | Grit size | Opt. RPM | Max.<br>RPM |  | Item no. | Designation      |
|-----------|-----------|------------------------|-----------|----------|-----------|----------|-------------|-----------------------------------------------------------------------------------|----------|------------------|
| 30        | 20        | 3                      | 40        | A        | 100       | 6,500    | 10,200      | 10                                                                                | 44650331 | PNR 3020/3 A 100 |
|           |           |                        |           |          | 180       | 6,500    | 10,200      | 10                                                                                | 44650332 | PNR 3020/3 A 180 |
|           |           |                        |           |          | 280       | 6,500    | 10,200      | 10                                                                                | 44650333 | PNR 3020/3 A 280 |
| 60        | 50        | 6                      | 40        | A        | 100       | 5,000    | 10,000      | 10                                                                                | 44656100 | PNR 6050/6 A 100 |
|           |           |                        |           |          | 180       | 5,000    | 10,000      | 10                                                                                | 44656180 | PNR 6050/6 A 180 |
|           |           |                        |           |          | 280       | 5,000    | 10,000      | 10                                                                                | 44656280 | PNR 6050/6 A 280 |
| 80        | 50        | 6                      | 40        | A        | 100       | 4,000    | 7,500       | 10                                                                                | 44668100 | PNR 8050/6 A 100 |
|           |           |                        |           |          | 180       | 4,000    | 7,500       | 10                                                                                | 44668180 | PNR 8050/6 A 180 |
|           |           |                        |           |          | 280       | 4,000    | 7,500       | 10                                                                                | 44668280 | PNR 8050/6 A 280 |

## POLINOX cross buffs



### PNST type

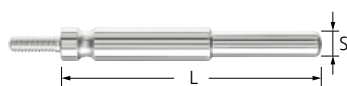
Suitable for cleaning, deburring and fine grinding of inner surfaces and contours. Particularly suitable for hard-to-reach places such as drilled holes and indentations. Available in aluminium oxide A.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Please order compatible arbor separately.

| D<br>[mm] | Abrasive | Grit size | Number of<br>layers | Opt. RPM | Max. RPM |  | Item no. | Designation     |
|-----------|----------|-----------|---------------------|----------|----------|-------------------------------------------------------------------------------------|----------|-----------------|
| 19        | A        | 100       | 2                   | 15,000   | 25,100   | 20                                                                                  | 44698192 | PNST 19-2 A 100 |
|           |          | 280       | 2                   | 15,000   | 25,100   | 20                                                                                  | 44698193 | PNST 19-2 A 280 |
| 25        | A        | 80        | 2                   | 10,000   | 19,100   | 20                                                                                  | 44698254 | PNST 25-2 A 80  |
|           |          | 100       | 2                   | 10,000   | 19,100   | 20                                                                                  | 44698252 | PNST 25-2 A 100 |
|           |          | 280       | 2                   | 10,000   | 19,100   | 20                                                                                  | 44698253 | PNST 25-2 A 280 |
| 38        | A        | 80        | 3                   | 7,500    | 12,600   | 20                                                                                  | 44698384 | PNST 38-3 A 80  |
|           |          | 100       | 3                   | 7,500    | 12,600   | 20                                                                                  | 44698382 | PNST 38-3 A 100 |
|           |          | 280       | 3                   | 7,500    | 12,600   | 20                                                                                  | 44698383 | PNST 38-3 A 280 |
| 50        | A        | 80        | 2                   | 5,500    | 9,500    | 20                                                                                  | 44698504 | PNST 50-2 A 80  |
|           |          | 100       | 2                   | 5,500    | 9,500    | 20                                                                                  | 44698502 | PNST 50-2 A 100 |
|           |          | 280       | 2                   | 5,500    | 9,500    | 20                                                                                  | 44698503 | PNST 50-2 A 280 |



### Arbor BO PNST

Arbor for POLINOX cross buffs which also enables holes and cut-outs to be reached easily.

#### Special features:

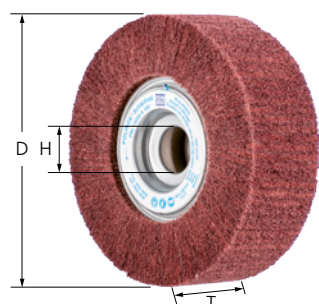
- High economic efficiency as tool can be changed quickly.

| S<br>[mm] | L<br>[mm] | Thread   | Clamping length<br>[mm] |  | Item no. | Designation   |
|-----------|-----------|----------|-------------------------|-------------------------------------------------------------------------------------|----------|---------------|
| 6         | 75        | 8-32 UNC | 30                      | 1                                                                                   | 42700675 | BO PNST 6-75  |
|           | 125       | 8-32 UNC | 30                      | 1                                                                                   | 42700685 | BO PNST 6-125 |



# Non-woven tools

## POLINOX unmounted grinding wheels



### PNL type

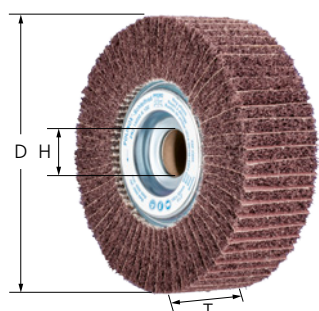
The non-woven abrasive material with aluminium oxide A as the abrasive is arranged in multiple radial flaps. A long tool life is achieved through the dense packing of the flaps. This tool is mainly used for work on large surfaces.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Please order compatible arbor separately.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Abrasive | Grit size | Opt.<br>RPM | Max.<br>RPM | Suitable arbors |  | Item no. | Designation          |
|-----------|-----------|-----------|----------|-----------|-------------|-------------|-----------------|------------------------------------------------------------------------------------|----------|----------------------|
| 150       | 50        | 25.4      | A        | 100       | 2,000       | 4,000       | FR/VR 12/25.4   | 1                                                                                  | 44644111 | PNL 15050/25,4 A 100 |
|           |           |           |          | 180       | 2,000       | 4,000       | FR/VR 12/25.4   | 1                                                                                  | 44644119 | PNL 15050/25,4 A 180 |
|           |           |           |          | 280       | 2,000       | 4,000       | FR/VR 12/25.4   | 1                                                                                  | 44644129 | PNL 15050/25,4 A 280 |
| 200       | 50        | 44        | A        | 100       | 1,500       | 3,000       | FR/VR 12/44.0   | 1                                                                                  | 44644211 | PNL 20050/44 A 100   |
|           |           |           |          | 180       | 1,500       | 3,000       | FR/VR 12/44.0   | 1                                                                                  | 44644219 | PNL 20050/44 A 180   |
|           |           |           |          | 280       | 1,500       | 3,000       | FR/VR 12/44.0   | 1                                                                                  | 44644229 | PNL 20050/44 A 280   |



### PNZ type

Grinding wheels with non-woven abrasive material with aluminium oxide A arranged in multiple radial flaps and with abrasive cloth between the flaps. This facilitates improved stock removal and achieves a coarser surface finish. The grinding wheels are mainly used for work on large surfaces.

#### Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Please order compatible arbor separately.

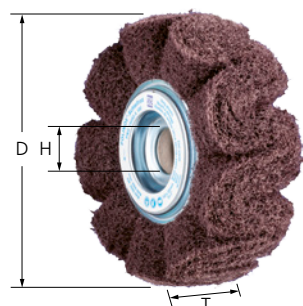
| D<br>[mm] | T<br>[mm] | H<br>[mm] | Abrasive | Grit size | Opt.<br>RPM | Max.<br>RPM | Suitable arbors |  | Item no. | Designation          |
|-----------|-----------|-----------|----------|-----------|-------------|-------------|-----------------|--------------------------------------------------------------------------------------|----------|----------------------|
| 150       | 50        | 25.4      | A        | 100       | 2,000       | 4,000       | FR/VR 12/25.4   | 1                                                                                    | 44645111 | PNZ 15050/25,4 A 100 |
|           |           |           |          | 180       | 2,000       | 4,000       | FR/VR 12/25.4   | 1                                                                                    | 44645119 | PNZ 15050/25,4 A 180 |
| 200       | 50        | 44        | A        | 100       | 1,500       | 3,000       | FR/VR 12/44.0   | 1                                                                                    | 44645211 | PNZ 20050/44 A 100   |
|           |           |           |          | 180       | 1,500       | 3,000       | FR/VR 12/44.0   | 1                                                                                    | 44645219 | PNZ 20050/44 A 180   |





# Non-woven tools

## POLINOX unmounted grinding wheels



### PNG type

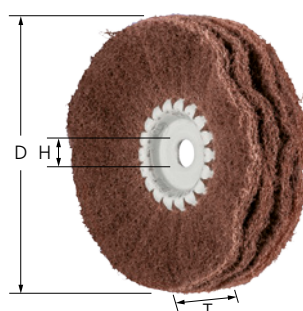
Made of several very wavyly arranged strips of non-woven abrasive material with aluminium oxide A as the abrasive, wound around a core. The wavy structure of the non-woven abrasive material permits seamless brush matting of surfaces.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Please order compatible arbor separately.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Abrasive | Grit size | Opt.<br>RPM | Max.<br>RPM | Suitable arbors |   | Item no. | Designation          |
|-----------|-----------|-----------|----------|-----------|-------------|-------------|-----------------|---|----------|----------------------|
| 150       | 50        | 25.4      | A        | 100       | 2,000       | 4,000       | FR/VR 12/25.4   | 1 | 44646111 | PNG 15050/25,4 A 100 |
|           |           |           |          | 180       | 2,000       | 4,000       | FR/VR 12/25.4   | 1 | 44646119 | PNG 15050/25,4 A 180 |
|           |           |           |          | 280       | 2,000       | 4,000       | FR/VR 12/25.4   | 1 | 44646129 | PNG 15050/25,4 A 280 |
| 200       | 50        | 44        | A        | 100       | 1,500       | 3,000       | FR/VR 12/44.0   | 1 | 44646211 | PNG 20050/44 A 100   |
|           |           |           |          | 180       | 1,500       | 3,000       | FR/VR 12/44.0   | 1 | 44646219 | PNG 20050/44 A 180   |
|           |           |           |          | 280       | 1,500       | 3,000       | FR/VR 12/44.0   | 1 | 44646229 | PNG 20050/44 A 280   |



### PNR type

Made of slightly wavyly arranged strips of non-woven material with aluminium oxide A as the abrasive, wound around a metal core. Exceptional adaptation to contours thanks to the open arrangement and high flexibility. Enable seamless brush matting of surfaces, profiles and pipes.

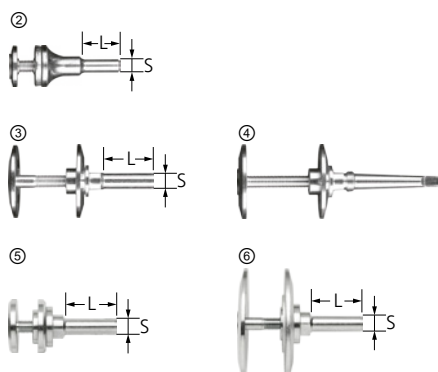
#### Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Please order compatible arbor separately.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Abrasive | Grit size | Opt.<br>RPM | Max.<br>RPM | Suitable arbors         |   | Item no. | Designation        |
|-----------|-----------|-----------|----------|-----------|-------------|-------------|-------------------------|---|----------|--------------------|
| 100       | 35        | 10        | A        | 180       | 2,500       | 5,500       | BO 8/10                 | 1 | 44647118 | PNR 10035/10 A 180 |
|           |           |           |          | 280       | 2,500       | 5,500       | BO 8/10                 | 1 | 44647128 | PNR 10035/10 A 280 |
| 150       | 40        | 20        | A        | 180       | 2,000       | 4,000       | BO 12/20,<br>BO MK 1/20 | 1 | 44647518 | PNR 15040/20 A 180 |
|           |           |           |          | 280       | 2,000       | 4,000       | BO 12/20,<br>BO MK 1/20 | 1 | 44647528 | PNR 15040/20 A 280 |

## Non-woven tools

### Arbor for POLINOX grinding wheels



#### Arbor

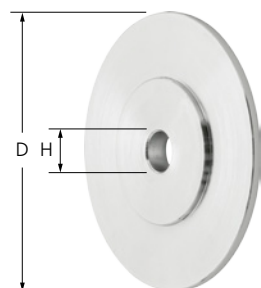
Matching arbor for POLINOX unmounted grinding wheels.

#### Special features:

- High economic efficiency as tool can be changed quickly.

| Image | Suitable for hole diameter [mm] | S [mm] | L [mm] | Clamp- ing range [mm] |  | Item no. | Designation           |
|-------|---------------------------------|--------|--------|-----------------------|-----------------------------------------------------------------------------------|----------|-----------------------|
| ②     | 10                              | 8      | 30     | 6 – 20                | 1                                                                                 | 42400008 | BO 8/10 6-20          |
| ③     | 20                              | 12     | 35     | 10 – 50               | 1                                                                                 | 42400012 | BO 12/20 10-50        |
| ④     | 20                              | -      | -      | 10 – 50               | 1                                                                                 | 42400062 | BO MK 1/20 10-50      |
| ⑤     | 25.4                            | 12     | 40     | 25 – 50               | 1                                                                                 | 44601225 | FR/VR 12/25,4 100-165 |
| ⑥     | 44                              | 12     | 40     | 25 – 50               | 1                                                                                 | 44601244 | FR/VR 12/44,0 200-250 |

## Reducing flanges for POLINOX grinding wheels RF



#### RF FR

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:

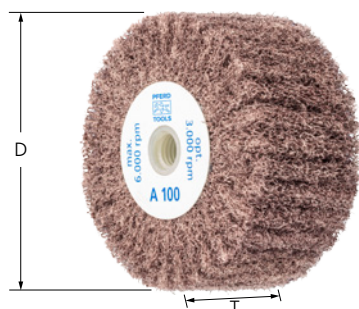
- Can be adapted to an existing drive spindle by drilling.
- Can be used face-down very close to edges and in corners thanks to special clamping system.

| Suitable for tool diameter [mm] | D [mm] | H [mm] | Max. H [mm] |  | Item no. | Designation               |
|---------------------------------|--------|--------|-------------|-------------------------------------------------------------------------------------|----------|---------------------------|
| 150, 165                        | 40     | 12     | 22.2        | 1                                                                                   | 44771225 | RF FR 150-165 Bo. 12-22,2 |
| 200, 250                        | 83     | 12     | 40          | 1                                                                                   | 44771244 | RF FR 200-250 Bo. 12-40   |



# Non-woven tools

## Threaded POLINOX grinding wheels



### PNL type

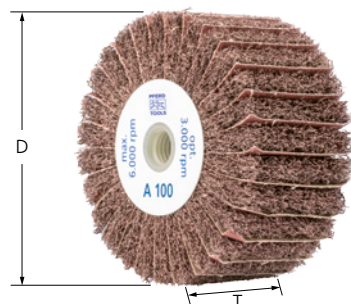
The non-woven abrasive material with aluminium oxide A as the abrasive is arranged in multiple radial flaps. A long tool life is achieved through the dense packing of the flaps. For work on medium-sized surfaces.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Can be mounted directly onto speed-adjustable angle grinders and fillet weld grinders without the need for additional clamping devices.

| D<br>[mm] | T<br>[mm] | Thread | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation            |
|-----------|-----------|--------|----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|------------------------|
| 100       | 50        | 5/8-11 | A        | 100       | 3,000    | 6,000    | 5                                                                                 | 44642021 | PNL 10050 5/8-11 A 100 |
|           |           |        |          | 180       | 3,000    | 6,000    | 5                                                                                 | 44642022 | PNL 10050 5/8-11 A 180 |
|           |           |        |          | 280       | 3,000    | 6,000    | 5                                                                                 | 44642023 | PNL 10050 5/8-11 A 280 |
|           | M14       | A      | A        | 100       | 3,000    | 6,000    | 5                                                                                 | 44642001 | PNL 10050 M14 A 100    |
|           |           |        |          | 180       | 3,000    | 6,000    | 5                                                                                 | 44642002 | PNL 10050 M14 A 180    |
|           |           |        |          | 280       | 3,000    | 6,000    | 5                                                                                 | 44642003 | PNL 10050 M14 A 280    |



### PNZ type

The non-woven abrasive material with aluminium oxide A as the abrasive is arranged in multiple radial flaps, with abrasive cloth interlayers. This facilitates improved stock removal and achieves a coarser surface finish. For work on medium-sized surfaces.



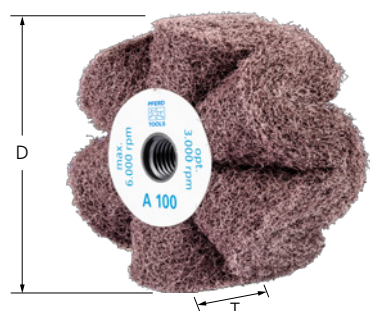
#### Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Can be mounted directly onto speed-adjustable angle grinders and fillet weld grinders without the need for additional clamping devices.

| D<br>[mm] | T<br>[mm] | Thread | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation            |
|-----------|-----------|--------|----------|-----------|----------|----------|-------------------------------------------------------------------------------------|----------|------------------------|
| 100       | 50        | 5/8-11 | A        | 100       | 3,000    | 6,000    | 5                                                                                   | 44642121 | PNZ 10050 5/8-11 A 100 |
|           |           |        |          | 180       | 3,000    | 6,000    | 5                                                                                   | 44642122 | PNZ 10050 5/8-11 A 180 |
|           |           |        |          | 280       | 3,000    | 6,000    | 5                                                                                   | 44642101 | PNZ 10050 5/8-11 A 280 |
|           | M14       | A      | A        | 100       | 3,000    | 6,000    | 5                                                                                   | 44642101 | PNZ 10050 M14 A 100    |
|           |           |        |          | 180       | 3,000    | 6,000    | 5                                                                                   | 44642102 | PNZ 10050 M14 A 180    |
|           |           |        |          | 280       | 3,000    | 6,000    | 5                                                                                   | 44642103 | PNZ 10050 M14 A 280    |

# Non-woven tools

## Threaded POLINOX grinding wheels



### PNG type

Made of several very wavy arranged strips of non-woven abrasive material with aluminium oxide A as the abrasive, wound around a core. The wavy structure of the non-woven abrasive material permits seamless brush matting of surfaces. For work on medium-sized surfaces.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Can be mounted directly onto speed-adjustable angle grinders and fillet weld grinders without the need for additional clamping devices.

| D [mm] | T [mm] | Thread | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation            |
|--------|--------|--------|----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|------------------------|
| 100    | 50     | 5/8-11 | A        | 100       | 3,000    | 6,000    | 5                                                                                 | 44642221 | PNG 10050 5/8-11 A 100 |
|        |        |        |          | 180       | 3,000    | 6,000    | 5                                                                                 | 44642222 | PNG 10050 5/8-11 A 180 |
|        |        |        |          | 280       | 3,000    | 6,000    | 5                                                                                 | 44642223 | PNG 10050 5/8-11 A 280 |
|        |        | M14    | A        | 100       | 3,000    | 6,000    | 5                                                                                 | 44642201 | PNG 10050 M14 A 100    |
|        |        |        |          | 180       | 3,000    | 6,000    | 5                                                                                 | 44642202 | PNG 10050 M14 A 180    |
|        |        |        |          | 280       | 3,000    | 6,000    | 5                                                                                 | 44642203 | PNG 10050 M14 A 280    |
| 125    | 50     | 5/8-11 | A        | 100       | 2,300    | 3,800    | 2                                                                                 | 44642521 | PNG 12550 5/8-11 A 100 |
|        |        |        |          | 280       | 2,300    | 3,800    | 2                                                                                 | 44642523 | PNG 12550 5/8-11 A 280 |
|        |        | M14    | A        | 100       | 2,300    | 3,800    | 2                                                                                 | 44642501 | PNG 12550 M14 A 100    |
|        |        |        |          | 180       | 2,300    | 3,800    | 2                                                                                 | 44642502 | PNG 12550 M14 A 180    |
|        |        |        |          | 280       | 2,300    | 3,800    | 2                                                                                 | 44642503 | PNG 12550 M14 A 280    |
|        |        |        |          |           |          |          |                                                                                   |          |                        |

## POLINOX grinding discs



### PNL type

The non-woven abrasive flaps with aluminium oxide A as the abrasive are stuck to a glass-fabric backing pad, meaning the discs can be used face-down. A long tool life is achieved through the dense packing of the flaps.

#### Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- For work on large surfaces using speed-adjustable angle grinders.

| D [mm] | T [mm] | H [mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation         |
|--------|--------|--------|----------|-----------|----------|----------|-------------------------------------------------------------------------------------|----------|---------------------|
| 115    | 20     | 22.23  | A        | 100       | 2,500    | 5,300    | 5                                                                                   | 44692258 | PNL 115-22,23 A 100 |
|        |        |        |          | 180       | 2,500    | 5,300    | 5                                                                                   | 44692259 | PNL 115-22,23 A 180 |
|        |        |        |          | 280       | 2,500    | 5,300    | 5                                                                                   | 44692260 | PNL 115-22,23 A 280 |
| 125    | 20     | 22.23  | A        | 100       | 2,300    | 3,800    | 5                                                                                   | 44692261 | PNL 125-22,23 A 100 |
|        |        |        |          | 180       | 2,300    | 3,800    | 5                                                                                   | 44692262 | PNL 125-22,23 A 180 |
|        |        |        |          | 280       | 2,300    | 3,800    | 5                                                                                   | 44692263 | PNL 125-22,23 A 280 |

## Non-woven tools POLINOX grinding discs



### PNZ type

The non-woven and abrasive-cloth flaps with aluminium oxide A as the abrasive are stuck to a glass-fabric backing pad, meaning the discs can be used face-down on large surfaces. A long tool life is achieved through the dense packing of the flaps.

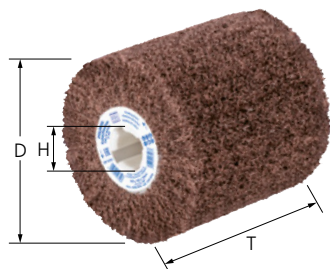
#### Special features:

- Highly flexible, enabling optimal adjustment to the contour. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- For work on large surfaces using speed-adjustable angle grinders.

| D [mm] | T [mm] | H [mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation         |
|--------|--------|--------|----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|---------------------|
| 115    | 20     | 22.23  | A        | 100       | 2,500    | 5,300    | 5                                                                                 | 44692264 | PNZ 115-22,23 A 100 |
|        |        |        |          | 180       | 2,500    | 5,300    | 5                                                                                 | 44692265 | PNZ 115-22,23 A 180 |
| 125    | 20     | 22.23  | A        | 100       | 2,300    | 3,800    | 5                                                                                 | 44692266 | PNZ 125-22,23 A 100 |
|        |        |        |          | 180       | 2,300    | 3,800    | 5                                                                                 | 44692267 | PNZ 125-22,23 A 180 |



## POLINOX grinding drums



### PNL-W type

For work on large surfaces. The non-woven abrasive material with aluminium oxide A as the abrasive is arranged in multiple radial flaps. A long tool life is achieved through the dense packing of the flaps.

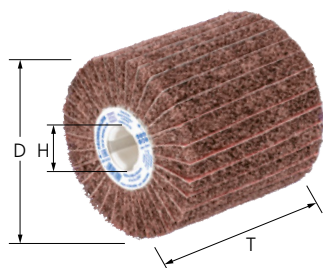


#### Special features:

- Long tool life thanks 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 tool clogging.
- Suitable for all conventional keyway systems. The 19 mm hole diameter with four keyways fits all conventional drum grinders.

| D [mm] | T [mm] | H [mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation        |
|--------|--------|--------|----------|-----------|----------|----------|-------------------------------------------------------------------------------------|----------|--------------------|
| 100    | 100    | 19     | A        | 80        | 2,500    | 4,800    | 1                                                                                   | 47801097 | PNL-W 100100 A 80  |
|        |        |        |          | 100       | 2,500    | 4,800    | 1                                                                                   | 44641010 | PNL-W 100100 A 100 |
|        |        |        |          | 180       | 2,500    | 4,800    | 1                                                                                   | 44641018 | PNL-W 100100 A 180 |
|        |        |        |          | 280       | 2,500    | 4,800    | 1                                                                                   | 44641028 | PNL-W 100100 A 280 |





### PNZ-W type

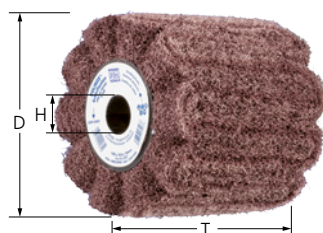
For work on large surfaces. The non-woven abrasive material with aluminium oxide A as the abrasive is arranged in multiple radial flaps. There is also abrasive cloth situated between the flaps. The flap arrangement results in a higher stock removal rate and produces a coarser surface finish.



#### Special features:

- Long tool life thanks 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 tool clogging.
- Suitable for all conventional keyway systems. The 19 mm hole diameter with four keyways fits all conventional drum grinders.

| D [mm] | T [mm] | H [mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation          |
|--------|--------|--------|----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|----------------------|
| 100    | 100    | 19     | A        | 60        | 2,500    | 4,800    | 1                                                                                 | 44641106 | PNZ-W 100100 A G/60  |
|        |        |        |          | 80        | 2,500    | 4,800    | 1                                                                                 | 44641108 | PNZ-W 100100 A M/80  |
|        |        |        |          | 120       | 2,500    | 4,800    | 1                                                                                 | 44641112 | PNZ-W 100100 A F/120 |



### PNG-W type

For work on large surfaces. Made of several very wavy arranged strips of non-woven abrasive material with aluminium oxide A as the abrasive, wound around a core. The wavy structure of the non-woven abrasive material permits seamless brush matting of large surfaces.



#### Special features:

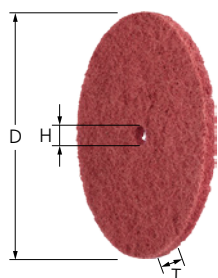
- Long tool life thanks to tight, wavy flaps. Cool grinding and low thermal load on the workpiece.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Suitable for all conventional keyway systems. The 19 mm hole diameter with four keyways fits all conventional drum grinders.

| D [mm] | T [mm] | H [mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation        |
|--------|--------|--------|----------|-----------|----------|----------|-------------------------------------------------------------------------------------|----------|--------------------|
| 100    | 100    | 19     | A        | 100       | 2,500    | 4,800    | 1                                                                                   | 44641201 | PNG-W 100100 A 100 |
|        |        |        |          | 180       | 2,500    | 4,800    | 1                                                                                   | 44641202 | PNG-W 100100 A 180 |
|        |        |        |          | 280       | 2,500    | 4,800    | 1                                                                                   | 44641203 | PNG-W 100100 A 280 |



## Non-woven tools

### POLINOX discs



#### PVR type

POLINOX discs with aluminium oxide A as the abrasive are suited to flexible work on complicated workpiece contours, and are used in peripheral grinding applications. Clamp up to three discs behind one another to increase the usage width.

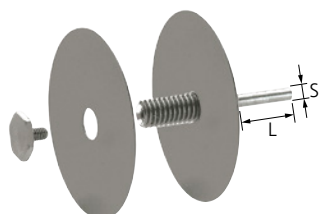


#### Special features:

- Highly flexible, enabling optimal adjustment to the contour, with very long tool life. Hard-to-reach areas can be accessed, such as deep slots and recesses.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Please order the arbor for POLINOX discs separately.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Abrasive | Grit size | Max. RPM | Suitable arbors |  | Item no. | Designation        |
|-----------|-----------|-----------|----------|-----------|----------|-----------------|-----------------------------------------------------------------------------------|----------|--------------------|
| 50        | 10        | 6         | A        | 100       | 12,250   | BO 6/6 3-10     | 10                                                                                | 44693050 | PVR 5010-6 A 100   |
|           |           |           |          | 280       | 12,250   | BO 6/6 3-10     | 10                                                                                | 44693051 | PVR 5010-6 A 280   |
| 75        | 10        | 6         | A        | 100       | 8,150    | BO 6/6 3-10     | 10                                                                                | 44693075 | PVR 7510-6 A 100   |
|           |           |           |          | 280       | 8,150    | BO 6/6 3-10     | 10                                                                                | 44693076 | PVR 7510-6 A 280   |
| 100       | 10        | 13        | A        | 100       | 6,150    | PVR 6/13 1-25   | 10                                                                                | 44693101 | PVR 10010-13 A 100 |
|           |           |           |          | 280       | 6,150    | PVR 6/13 1-25   | 10                                                                                | 44693102 | PVR 10010-13 A 280 |
| 125       | 10        | 13        | A        | 100       | 4,900    | PVR 6/13 1-25   | 10                                                                                | 44693125 | PVR 12510-13 A 100 |
|           |           |           |          | 280       | 4,900    | PVR 6/13 1-25   | 10                                                                                | 44693126 | PVR 12510-13 A 280 |
| 150       | 10        | 13        | A        | 100       | 4,100    | PVR 6/13 1-25   | 10                                                                                | 44693151 | PVR 15010-13 A 100 |
|           |           |           |          | 280       | 4,100    | PVR 6/13 1-25   | 10                                                                                | 44693152 | PVR 15010-13 A 280 |

## Arbor for POLINOX discs



#### Arbor PVR

Arbor for POLINOX discs.

#### Special features:

- High economic efficiency as tool can be changed quickly.

- Use the supplied side discs with a diameter of 50 and 80 mm in order to vary the lateral flexibility.

| Suitable for<br>hole diameter<br>[mm] | S<br>[mm] | L<br>[mm] | Clamping range<br>[mm] |  | Item no. | Designation   |
|---------------------------------------|-----------|-----------|------------------------|-------------------------------------------------------------------------------------|----------|---------------|
| 13                                    | 6         | 35        | 1 – 25                 | 1                                                                                   | 23600506 | PVR 6/13 1-25 |



### ADB masking tape

The self-adhesive masking tape is used during finish machining with soft, flexible tools such as non-woven tools. Different grinding patterns in adjacent areas can be clearly separated.

#### Special features:

- The masking tape protects surfaces which have already been worked on, or which are not supposed to be worked on.
- High elasticity and tear strength.
- High edge stability. To avoid its inadvertent removal, ensure that the masking tape is only loaded in the running direction of the tool.

| Length<br>[m] | T<br>[mm] |  | Item no. | Designation |
|---------------|-----------|-----------------------------------------------------------------------------------|----------|-------------|
| 25            | 20        | 1                                                                                 | 44250130 | ADB 20      |



### ADB INOX masking tape

The self-adhesive masking tape is used to preserve the clear separation between different grinding patterns in adjacent stainless steel areas.

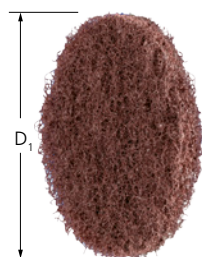


#### Special features:

- The masking tape protects surfaces which have already been worked on, or which 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.

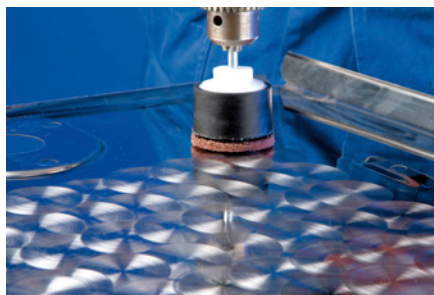
| Length<br>[m] | T<br>[mm] |  | Item no. | Designation |
|---------------|-----------|-------------------------------------------------------------------------------------|----------|-------------|
| 3             | 50        | 1                                                                                   | 44250140 | ADB 50 INOX |

## POLINOX marbling tools



### POLINOX discs for marbling tool holder MKRK

Special tool for marbling surfaces on almost any material.



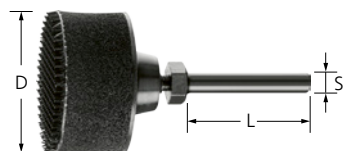
#### Special features:

- Highly flexible, enabling optimal adjustment to the contour. High economic efficiency due to high abrasive performance and long tool life.
- The open structure and high flexibility of the non-woven material prevents tool clogging.
- Please order matching marbling tool holder separately.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM    | Suitable arbors |  | Item no. | Designation   |
|------------------------|----------|-----------|-------------|-----------------|-------------------------------------------------------------------------------------|----------|---------------|
| 40                     | A        | 100       | 600 – 1,400 | MK 6/40/6       | 100                                                                                 | 44637100 | MKRK 40 A 100 |
|                        |          | 180       | 600 – 1,400 | MK 6/40/6       | 100                                                                                 | 44637180 | MKRK 40 A 180 |
|                        |          | 280       | 600 – 1,400 | MK 6/40/6       | 100                                                                                 | 44637280 | MKRK 40 A 280 |
| 50                     | A        | 100       | 600 – 1,400 | MK 6/50/6       | 100                                                                                 | 44638100 | MKRK 50 A 100 |
|                        |          | 180       | 600 – 1,400 | MK 6/50/6       | 100                                                                                 | 44638180 | MKRK 50 A 180 |
|                        |          | 280       | 600 – 1,400 | MK 6/50/6       | 100                                                                                 | 44638280 | MKRK 50 A 280 |
| 60                     | A        | 100       | 600 – 1,400 | MK 6/60/6       | 100                                                                                 | 44639100 | MKRK 60 A 100 |

Continued on next page

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM    | Suitable arbors |  | Item no. | Designation    |
|------------------------|----------|-----------|-------------|-----------------|-----------------------------------------------------------------------------------|----------|----------------|
| 60                     | A        | 180       | 600 – 1,400 | MK 6/60/6       | 100                                                                               | 44639180 | MK RK 60 A 180 |
|                        |          | 280       | 600 – 1,400 | MK 6/60/6       | 100                                                                               | 44639280 | MK RK 60 A 280 |



### POLINOX marbling tool holders MK

POLINOX marbling tool holders for marbling discs. A highly elastic intermediate layer carries the hook and loop fastening system.

#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- High economic efficiency due to long tool life.

| D<br>[mm] | S<br>[mm] | L<br>[mm] | Max. RPM | Matching tool |  | Item no. | Designation |
|-----------|-----------|-----------|----------|---------------|-----------------------------------------------------------------------------------|----------|-------------|
| 40        | 6         | 40        | 4,700    | MK RK 40      | 1                                                                                 | 44604060 | MK 6/40/6   |
| 50        | 6         | 40        | 3,800    | MK RK 50      | 1                                                                                 | 44605060 | MK 6/50/6   |
| 60        | 6         | 40        | 3,200    | MK RK 60      | 1                                                                                 | 44606060 | MK 6/60/6   |

## 4

## POLIVLIES grinding discs



### Flap discs PVL

Flap discs with abrasive flaps made of aluminium oxide A for general coarse to fine grinding applications in industry and professional trades.



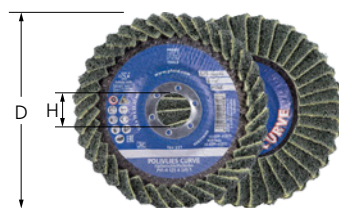
#### Special features:

- High economic efficiency due to high abrasive performance and long tool life.
- Creates a consistently high surface quality over the entire tool life, as new sharp abrasive is steadily released.
- Highly flexible, enabling optimal adjustment to the contour.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Abrasive | Grit size | Opt. RPM      | Max. RPM |  | Item no. | Designation     |
|-----------|-----------|-----------|----------|-----------|---------------|----------|-------------------------------------------------------------------------------------|----------|-----------------|
| 115       | 18        | 22.23     | A        | 100 G     | 5,000 – 5,800 | 13,300   | 5                                                                                   | 44694101 | PVL 115 A 100 G |
|           |           |           |          | 180 M     | 5,000 – 5,800 | 13,300   | 5                                                                                   | 44694102 | PVL 115 A 180 M |
|           |           |           |          | 240 F     | 5,000 – 5,800 | 13,300   | 5                                                                                   | 44694103 | PVL 115 A 240 F |
| 125       | 18        | 22.23     | A        | 100 G     | 4,600 – 5,300 | 12,200   | 5                                                                                   | 44694111 | PVL 125 A 100 G |
|           |           |           |          | 180 M     | 4,600 – 5,300 | 12,200   | 5                                                                                   | 44694112 | PVL 125 A 180 M |
|           |           |           |          | 240 F     | 4,600 – 5,300 | 12,200   | 5                                                                                   | 44694113 | PVL 125 A 240 F |

#### with X-LOCK holder

|     |    |       |   |       |               |        |   |          |                        |
|-----|----|-------|---|-------|---------------|--------|---|----------|------------------------|
| 115 | 18 | 22.23 | A | 100 G | 5,000 – 5,800 | 13,300 | 5 | 44694201 | PVL 115-X-LOCK A 100 G |
|     |    |       |   | 180 M | 5,000 – 5,800 | 13,300 | 5 | 44694202 | PVL 115-X-LOCK A 180 M |
|     |    |       |   | 240 F | 5,000 – 5,800 | 13,300 | 5 | 44694203 | PVL 115-X-LOCK A 240 F |
| 125 | 18 | 22.23 | A | 100 G | 4,600 – 5,300 | 12,200 | 5 | 44694211 | PVL 125-X-LOCK A 100 G |
|     |    |       |   | 180 M | 4,600 – 5,300 | 12,200 | 5 | 44694212 | PVL 125-X-LOCK A 180 M |
|     |    |       |   | 240 F | 4,600 – 5,300 | 12,200 | 5 | 44694213 | PVL 125-X-LOCK A 240 F |



### Flap discs POLIVLIES CURVE PVL-R

The POLIVLIES CURVE flap discs with abrasive flaps made of aluminium oxide A for general coarse to fine grinding applications in industry and professional trades are patented in many countries across the globe. The CURVE version can be used on both the grinding side and on the rear side, as well as on the radius, making it particularly suitable for work on fillet welds.

#### Special features:

- Creates a consistently high surface quality over the entire tool life, as new sharp abrasive is steadily released.
- Highly flexible, enabling optimal adjustment to the contour.
- Particularly suitable for precise work on fillet welds thanks to the surrounding flaps.

| D [mm] | H [mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation       |
|--------|--------|----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|-------------------|
| 115    | 22.23  | A        | 100       | 5,800    | 13,300   | 5                                                                                 | 44694121 | PVL-R 115 A 100 G |
|        |        |          | 180       | 5,800    | 13,300   | 5                                                                                 | 44694122 | PVL-R 115 A 180 M |
|        |        |          | 240       | 5,800    | 13,300   | 5                                                                                 | 44694123 | PVL-R 115 A 240 F |
| 125    | 22.23  | A        | 100       | 5,300    | 12,200   | 5                                                                                 | 44694131 | PVL-R 125 A 100 G |
|        |        |          | 180       | 5,300    | 12,200   | 5                                                                                 | 44694132 | PVL-R 125 A 180 M |
|        |        |          | 240       | 5,300    | 12,200   | 5                                                                                 | 44694133 | PVL-R 125 A 240 F |



### Flap discs PVZ

Flap discs with abrasive flaps made of ceramic oxide grain CO-COOL and aluminium 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:

- High economic efficiency due to high abrasive performance and long tool life.
- Creates a consistently high surface quality over the entire tool life, as new sharp abrasive is steadily released.
- Highly flexible, enabling optimal adjustment to the contour.

| D [mm] | T [mm] | H [mm] | Abrasive/grit size    | Opt. RPM      | Max. RPM |  | Item no. | Designation                   |
|--------|--------|--------|-----------------------|---------------|----------|-------------------------------------------------------------------------------------|----------|-------------------------------|
| 115    | 18     | 22.23  | CO-COOL 60 / A 100 G  | 5,000 – 5,800 | 13,300   | 5                                                                                   | 44695101 | PVZ 115 CO-COOL 60 / A 100 G  |
|        |        |        | CO-COOL 80 / A 180 M  | 5,000 – 5,800 | 13,300   | 5                                                                                   | 44695102 | PVZ 115 CO-COOL 80 / A 180 M  |
|        |        |        | CO-COOL 120 / A 240 F | 5,000 – 5,800 | 13,300   | 5                                                                                   | 44695103 | PVZ 115 CO-COOL 120 / A 240 F |
| 125    | 18     | 22.23  | CO-COOL 60 / A 100 G  | 4,600 – 5,300 | 12,200   | 5                                                                                   | 44695111 | PVZ 125 CO-COOL 60 / A 100 G  |
|        |        |        | CO-COOL 80 / A 180 M  | 4,600 – 5,300 | 12,200   | 5                                                                                   | 44695112 | PVZ 125 CO-COOL 80 / A 180 M  |
|        |        |        | CO-COOL 120 / A 240 F | 4,600 – 5,300 | 12,200   | 5                                                                                   | 44695113 | PVZ 125 CO-COOL 120 / A 240 F |





### Hook and loop discs PVKR

These hook and loop discs are suited to grinding larger surfaces. The flexible system, comprising a hook and loop disc and holder, 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 economic efficiency due to high abrasive performance and long tool life. Highly flexible, enabling optimal adjustment to the contour.
- Creates a consistently high surface quality over the entire tool life, as new sharp abrasive is steadily released.
- Please order POLIVLIES hook and loop disc holders separately. Break out the pre-punched centring hole if required.

| D <sub>1</sub><br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM | Suitable arbors |  | Item no. | Designation        |
|------------------------|----------|-----------|----------|----------|-----------------|-----------------------------------------------------------------------------------|----------|--------------------|
| 115                    | A        | 100 G     | 3,300    | 5,300    | PVKRH 115       | 10                                                                                | 42871306 | PVKR 115-22 A 100G |
|                        |          | 180 M     | 3,300    | 5,300    | PVKRH 115       | 10                                                                                | 42871310 | PVKR 115-22 A 180M |
|                        |          | 240 F     | 3,300    | 5,300    | PVKRH 115       | 10                                                                                | 42871318 | PVKR 115-22 A 240F |
| 125                    | A        | 100 G     | 3,000    | 4,850    | PVKRH 125       | 10                                                                                | 42871406 | PVKR 125-22 A 100G |
|                        |          | 180 M     | 3,000    | 4,850    | PVKRH 125       | 10                                                                                | 42871410 | PVKR 125-22 A 180M |
|                        |          | 240 F     | 3,000    | 4,850    | PVKRH 125       | 10                                                                                | 42871418 | PVKR 125-22 A 240F |
| 180                    | A        | 100 G     | 2,200    | 3,500    | PVKRH 180       | 10                                                                                | 42871606 | PVKR 180-22 A 100G |
|                        |          | 180 M     | 2,200    | 3,500    | PVKRH 180       | 10                                                                                | 42871610 | PVKR 180-22 A 180M |
|                        |          | 240 F     | 2,200    | 3,500    | PVKRH 180       | 10                                                                                | 42871618 | PVKR 180-22 A 240F |

### Hook and loop disc holders PVKRH



### Hook and loop disc holders PVKR

Holders for POLIVLIES hook and loop discs.

#### Special features:

- High economic efficiency as tool can be changed quickly.
- Enables surface finishing without visible transitions.

| D<br>[mm] | Thread | Max. RPM |  | Item no. | Designation   |
|-----------|--------|----------|-------------------------------------------------------------------------------------|----------|---------------|
| 115       | M14    | 13,300   | 1                                                                                   | 42711154 | PVKRH 115 M14 |
| 125       | M14    | 12,200   | 1                                                                                   | 42711254 | PVKRH 125 M14 |
| 180       | M14    | 8,500    | 1                                                                                   | 42711784 | PVKRH 180 M14 |



### Hook and loop disc holder PVKR with centring pin

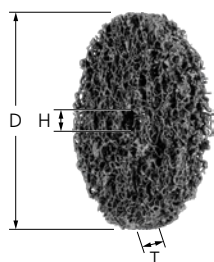
Holders for POLIVLIES hook and loop discs.

#### Special features:

- Enables faster central clamping.
- High economic efficiency as tool can be changed quickly.
- Enables surface finishing without visible transitions.

| D<br>[mm] | Thread | Max. RPM |  | Item no. | Designation      |
|-----------|--------|----------|-------------------------------------------------------------------------------------|----------|------------------|
| 115       | M14    | 13,300   | 1                                                                                   | 42712115 | PVKRH 115-22 M14 |
| 125       | M14    | 12,200   | 1                                                                                   | 42712125 | PVKRH 125-22 M14 |
| 180       | M14    | 8,500    | 1                                                                                   | 42712178 | PVKRH 180-22 M14 |





### POLICLEAN wheels PCLS (standard version)

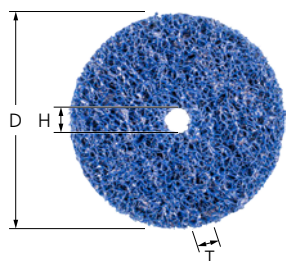
POLICLEAN is a coarsely structured, abrasive, non-woven cleaning fabric made from a special combination of synthetic fibres, resin and abrasive grain. For coarse cleaning work, such as removing paint, scale, heat discolouration, rust and adhesive residue in peripheral grinding on finer surfaces.

#### Special features:

- High flexibility and open structure mean optimal adjustment to contours and no clogging of the tool itself.

- Please order compatible arbor separately.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Opt. RPM      | Max.<br>RPM | Suitable arbors                                        |  | Item no. | Designation   |
|-----------|-----------|-----------|---------------|-------------|--------------------------------------------------------|-----------------------------------------------------------------------------------|----------|---------------|
| 75        | 13        | 6         | 4,000 – 5,100 | 10,000      | PCLB 6/6/13, PCLB 6/6/26, PCLB 6/6/39                  | 6                                                                                 | 44692075 | PCLS 7513/6   |
| 100       | 13        | 13        | 3,000 – 3,800 | 7,500       | PCLB 6/13/13, PCLB 6/13/26, PCLB 8/13/13, PCLB 8/13/26 | 4                                                                                 | 44692100 | PCLS 10013/13 |
| 150       | 13        | 13        | 2,000 – 2,500 | 5,100       | PCLB 6/13/13, PCLB 6/13/26, PCLB 8/13/13, PCLB 8/13/26 | 4                                                                                 | 44692150 | PCLS 15013/13 |



### POLICLEAN wheels PCLS PLUS

POLICLEAN PLUS is a coarsely structured, aggressive, non-woven cleaning fabric made from a special combination of synthetic fibres, resin and abrasive grain, with increased tool life and optimum aggressiveness. Suitable for roughening and for coarse cleaning work such as removing paint, scale, heat discolouration, rust and adhesive residues in peripheral grinding.

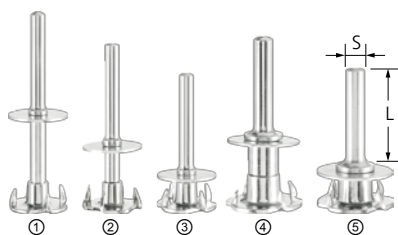


#### Special features:

- Considerably higher stock removal rate, very good tool life and very high aggressive performance.
- High flexibility and open structure mean optimal adjustment to contours and no clogging of the tool itself.
- Please order compatible arbor separately.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Opt. RPM      | Max.<br>RPM | Suitable arbors                                        |  | Item no. | Designation        |
|-----------|-----------|-----------|---------------|-------------|--------------------------------------------------------|-------------------------------------------------------------------------------------|----------|--------------------|
| 75        | 13        | 6         | 4,000 – 5,100 | 10,000      | PCLB 6/6/13, PCLB 6/6/26, PCLB 6/6/39                  | 6                                                                                   | 44692076 | PCLS PLUS 7513/6   |
| 100       | 13        | 13        | 3,000 – 3,800 | 7,500       | PCLB 6/13/13, PCLB 6/13/26, PCLB 8/13/13, PCLB 8/13/26 | 4                                                                                   | 44692101 | PCLS PLUS 10013/13 |
| 150       | 13        | 13        | 2,000 – 2,500 | 5,100       | PCLB 6/13/13, PCLB 6/13/26, PCLB 8/13/13, PCLB 8/13/26 | 4                                                                                   | 44692151 | PCLS PLUS 15013/13 |





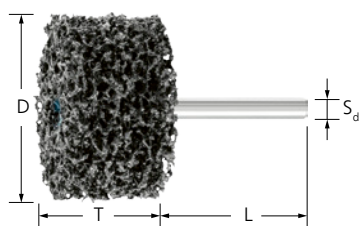
### POLICLEAN arbors PCLB

Arbor for POLICLEAN wheels.

#### Special features:

- High economic efficiency as tool can be changed quickly. When replacing the discs, leave the arbor clamped in the tool drive.

| Image | Suitable for hole diameter [mm] | S [mm] | L [mm] | Matching tool                | Version       |  | Item no. | Designation  |
|-------|---------------------------------|--------|--------|------------------------------|---------------|------------------------------------------------------------------------------------|----------|--------------|
| ③     | 6                               | 6      | 40     | PCLS 7513/6                  | Packaging, 1x | 1                                                                                  | 42706613 | PCLB 6/6/13  |
| ②     | 6                               | 6      | 40     | PCLS 7513/6                  | Packaging, 2x | 1                                                                                  | 42706626 | PCLB 6/6/26  |
| ①     | 6                               | 6      | 40     | PCLS 7513/6                  | Packaging, 3x | 1                                                                                  | 42706639 | PCLB 6/6/39  |
| ⑤     | 13                              | 6      | 40     | PCLS 10013/13, PCLS 15013/13 | Packaging, 1x | 1                                                                                  | 42706713 | PCLB 6/13/13 |
| ④     | 13                              | 6      | 40     | PCLS 10013/13, PCLS 15013/13 | Packaging, 2x | 1                                                                                  | 42706726 | PCLB 6/13/26 |
| ⑤     | 13                              | 8      | 40     | PCLS 10013/13, PCLS 15013/13 | Packaging, 1x | 1                                                                                  | 42706813 | PCLB 8/13/13 |
| ④     | 13                              | 8      | 40     | PCLS 10013/13, PCLS 15013/13 | Packaging, 2x | 1                                                                                  | 42706826 | PCLB 8/13/26 |



### POLICLEAN mounted tools PCLZY

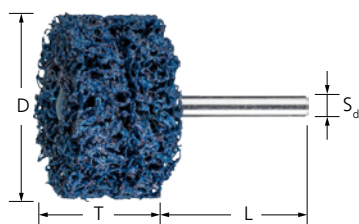
POLICLEAN is a coarsely structured, abrasive, non-woven cleaning fabric made from a special combination of synthetic fibres, resin and abrasive grain. For coarse cleaning work such as removing paint, scale, heat discolouration, rust and adhesive residues in peripheral grinding.



#### Special features:

- High flexibility and open structure mean optimal adjustment to contours and no clogging of the tool itself.
- Flexible and suitable for finer surface finishes.

| D [mm] | T [mm] | S <sub>d</sub> [mm] | L [mm] | H [mm] | Opt. RPM      | Max. RPM |  | Item no. | Designation   |
|--------|--------|---------------------|--------|--------|---------------|----------|-------------------------------------------------------------------------------------|----------|---------------|
| 50     | 13     | 6                   | 40     | 6      | 6,000 – 7,000 | 15,000   | 5                                                                                   | 44692251 | PCLZY 5013/6  |
|        | 26     | 6                   | 40     | 6      | 6,000 – 7,000 | 15,000   | 5                                                                                   | 44692252 | PCLZY 5026/6  |
| 75     | 13     | 6                   | 40     | 6      | 4,000 – 5,100 | 10,000   | 5                                                                                   | 44692271 | PCLZY 7513/6  |
|        | 26     | 6                   | 40     | 6      | 4,000 – 5,100 | 10,000   | 5                                                                                   | 44692272 | PCLZY 7526/6  |
| 100    | 13     | 6                   | 40     | 6      | 3,000 – 3,800 | 7,500    | 5                                                                                   | 44692291 | PCLZY 10013/6 |



### POLICLEAN mounted tools PCLZY PLUS

POLICLEAN PLUS is a coarsely structured, aggressive, non-woven cleaning fabric made from a special combination of synthetic fibres, resin and abrasive grain, with increased tool life and optimum aggressiveness. Suitable for roughening and for coarse cleaning work such as removing paint, scale, heat discolouration, rust and adhesive residues in peripheral grinding.

#### Special features:

- Considerably higher stock removal rate and a very good tool life, very aggressive.
- High flexibility and open structure mean optimal adjustment to contours and no clogging of the tool itself.

| D [mm] | T [mm] | S <sub>d</sub> [mm] | L [mm] | H [mm] | Opt. RPM      | Max. RPM |  | Item no. | Designation        |
|--------|--------|---------------------|--------|--------|---------------|----------|-----------------------------------------------------------------------------------|----------|--------------------|
| 50     | 13     | 6                   | 40     | 6      | 6,000 – 7,000 | 15,000   | 5                                                                                 | 44692253 | PCLZY PLUS 5013/6  |
|        | 26     | 6                   | 40     | 6      | 6,000 – 7,000 | 15,000   | 5                                                                                 | 44692254 | PCLZY PLUS 5026/6  |
| 75     | 13     | 6                   | 40     | 6      | 4,000 – 5,100 | 10,000   | 5                                                                                 | 44692255 | PCLZY PLUS 7513/6  |
|        | 26     | 6                   | 40     | 6      | 4,000 – 5,100 | 10,000   | 5                                                                                 | 44692256 | PCLZY PLUS 7526/6  |
| 100    | 13     | 6                   | 40     | 6      | 3,000 – 3,800 | 7,500    | 5                                                                                 | 44692257 | PCLZY PLUS 10013/6 |



### POLICLEAN discs PCLD (standard version)

POLICLEAN is a coarsely structured, abrasive, non-woven cleaning fabric made from a special combination of synthetic fibres and abrasive grain. The non-woven cleaning material is glued onto a backer. For coarse cleaning work, e.g. removing paint, scale, heat discolouration, rust and adhesive residues on finer surfaces.



#### Special features:

- High flexibility and open structure mean optimal adjustment to contours and no clogging of the tool itself.
- Please order compatible arbor separately.

| D [mm] | T [mm] | H [mm] | Opt. RPM      | Max. RPM |  | Item no. | Designation |
|--------|--------|--------|---------------|----------|-------------------------------------------------------------------------------------|----------|-------------|
| 115    | 13     | 22.23  | 5,000 – 7,000 | 10,000   | 5                                                                                   | 44692715 | PCLD 115-13 |
| 125    | 13     | 22.23  | 5,000 – 7,000 | 10,000   | 5                                                                                   | 44692725 | PCLD 125-13 |



### POLICLEAN discs PCLD PLUS

POLICLEAN is a coarsely structured, aggressive, non-woven cleaning fabric 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 discolouration, rust and adhesive residues.

#### Special features:

- Considerably higher stock removal rate, very good tool life and very high aggressive performance.
- High flexibility and open structure mean optimal adjustment to contours and no clogging of the tool itself.
- Please order compatible arbor separately.

| D [mm] | T [mm] | H [mm] | Opt. RPM      | Max. RPM |  | Item no. | Designation      |
|--------|--------|--------|---------------|----------|-------------------------------------------------------------------------------------|----------|------------------|
| 100    | 13     | 16     | 5,000 – 7,000 | 10,000   | 5                                                                                   | 44692711 | PCLD PLUS 100-13 |
| 115    | 13     | 22.23  | 5,000 – 7,000 | 10,000   | 5                                                                                   | 44692716 | PCLD PLUS 115-13 |
| 125    | 13     | 22.23  | 5,000 – 7,000 | 10,000   | 5                                                                                   | 44692726 | PCLD PLUS 125-13 |



### POLICLEAN drum

POLICLEAN is a coarsely structured, abrasive, non-woven cleaning fabric made from a special combination of synthetic fibres, resin and abrasive grain. For coarse cleaning work such as removing paint, scale, heat discolouration, rust and adhesive residues in peripheral grinding.

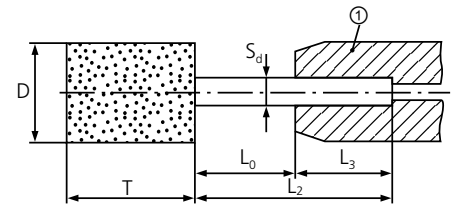
**Special features:**

- High flexibility and open structure mean optimal adjustment to contours and no clogging of the tool itself.
- Long tool life thanks to tightly packed flaps. Cool grinding and low thermal load on the workpiece.
- Suitable for all conventional keyway systems. The 19 mm hole diameter with four keyways fits all conventional drum grinders.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Opt. RPM | Max. RPM |  | Item no. | Designation    |
|-----------|-----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|----------------|
| 100       | 100       | 19        | 2,500    | 4,800    | 1                                                                                 | 47803369 | PCLW 100100/19 |

### 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 10 mm.

Each packaging unit of PFERD TOOLS fine grinding points contains the rotational speed specifications for the unsupported shank length ( $L_0$ ) of that grinding 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 range of Poliflex fine grinding points are available on request. The maximum permitted rotational speed calculated according to EN 12413 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!



4



### The quick way to find the perfect tool

#### ① Material group

Select the material to be machined.

#### ② Application

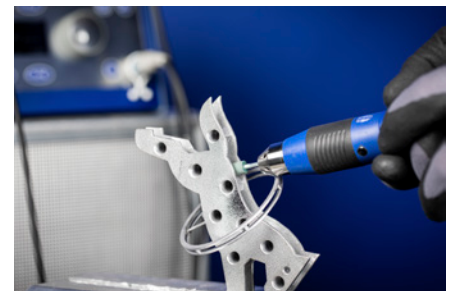
Select the application.

#### ③ Desired surface

Select your desired surface.

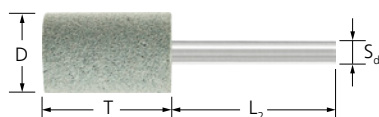
#### ④ Tool bond

After determining the application (see column ②), the suitable bond is selected in the horizontal row.



| ① Material group ▾     |                                                                       | Bond ▶                                                                                                                  |             | Polyurethane bond |                  |          | Elastomer bond |           |           |           | Resinoid bond |
|------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|------------------|----------|----------------|-----------|-----------|-----------|---------------|
|                        |                                                                       | Abrasive (grain mixtures) ▶                                                                                             |             | CN                |                  |          | AR             | ANCN      | AW        | AWCN      | AN            |
|                        |                                                                       | ④ Designation/bond ▶                                                                                                    |             | PUR               |                  |          | GR             | GHR       | LR        | LHR       | TX            |
|                        |                                                                       |                                                                                                                         |             | W (Soft)          | MH (Medium-hard) | STRUC    |                |           |           |           |               |
|                        |                                                                       | Recommended cutting speed ▶                                                                                             |             | 10–12 m/s         | 10–15 m/s        | 5–10 m/s | 10–12 m/s      | 20–25 m/s | 15–20 m/s | 30–40 m/s | 20–25 m/s     |
|                        |                                                                       | ② Application ▾                                                                                                         | ③ Surface ▾ |                   |                  |          |                |           |           |           |               |
| Steel, cast steel      | Steels up to 1.200 N/mm <sup>2</sup> (< 38 HRC)                       | Construction steels, carbon steels, tool steels, non-alloyed steels, case-hardened steels, tempering steels, cast steel | Surface     | Matt              | ○                | ●        |                | ○         |           |           |               |
|                        |                                                                       |                                                                                                                         |             | Shiny             |                  |          | ●              |           | ○         |           |               |
|                        |                                                                       | Edge                                                                                                                    | Matt        |                   | ○                |          | ○              |           |           |           | ●             |
|                        |                                                                       |                                                                                                                         | Shiny       |                   |                  |          |                | ●         |           | ○         |               |
|                        | Hardened, heat-treated steels over 1.200 N/mm <sup>2</sup> (> 38 HRC) | Tool steels, tempering steels, alloyed steels, alloyed cast steel                                                       | Surface     | Matt              | ○                | ●        |                | ○         |           |           |               |
|                        |                                                                       |                                                                                                                         |             | Shiny             |                  |          | ○              |           | ●         |           |               |
|                        |                                                                       | Edge                                                                                                                    | Matt        |                   | ○                |          |                |           |           |           | ●             |
|                        |                                                                       |                                                                                                                         | Shiny       |                   |                  |          |                | ○         |           | ●         |               |
| Stainless steel (INOX) | Rust and acid-resistant steels                                        | Austenitic and ferritic stainless steels                                                                                | Surface     | Matt              | ●                | ○        |                |           |           |           |               |
|                        |                                                                       |                                                                                                                         |             | Shiny             |                  |          | ●              |           | ○         |           |               |
|                        |                                                                       |                                                                                                                         | Edge        | Matt              |                  | ○        |                |           |           |           | ●             |
|                        |                                                                       |                                                                                                                         |             | Shiny             |                  |          |                | ●         | ○         |           |               |
|                        |                                                                       |                                                                                                                         | Universal   | Structured        | ○                | ○        | ●              |           |           |           |               |
|                        |                                                                       |                                                                                                                         | Surface     | Matt              | ●                | ○        |                |           |           |           | ○             |
|                        |                                                                       |                                                                                                                         |             | Shiny             |                  |          | ○              |           | ●         |           |               |
|                        |                                                                       |                                                                                                                         | Edge        | Matt              |                  |          | ○              | ○         |           |           | ●             |
| Non-ferrous metals     | Soft non-ferrous metals, non-ferrous metals                           | Aluminium alloys, brass, copper, zinc                                                                                   | Surface     | Matt              |                  | ○        |                |           |           |           | ○             |
|                        |                                                                       |                                                                                                                         |             | Shiny             |                  |          | ○              |           | ●         |           |               |
|                        |                                                                       |                                                                                                                         | Edge        | Matt              |                  |          |                | ○         |           |           | ●             |
|                        |                                                                       |                                                                                                                         |             | Shiny             |                  |          | ○              |           | ●         |           |               |
|                        | Hard non-ferrous metals                                               | Bronze, titanium, titanium alloys, hard aluminium alloys (high Si content)                                              | Surface     | Matt              |                  | ○        |                |           |           |           | ●             |
|                        |                                                                       |                                                                                                                         |             | Shiny             |                  |          | ○              | ●         |           |           |               |
|                        |                                                                       |                                                                                                                         | Edge        | Matt              |                  |          |                | ○         |           |           | ●             |
|                        |                                                                       |                                                                                                                         |             | Shiny             |                  |          |                | ○         |           | ●         |               |
|                        | High-temperature-resistant materials                                  | Nickel-based and cobaltbased alloys (engine and turbine construction)                                                   | Surface     | Matt              |                  | ○        |                |           |           |           | ●             |
|                        |                                                                       |                                                                                                                         |             | Shiny             |                  |          | ●              | ○         |           |           |               |
|                        |                                                                       |                                                                                                                         | Edge        | Matt              |                  | ○        |                | ○         |           |           | ●             |
|                        |                                                                       |                                                                                                                         |             | Shiny             |                  |          |                | ○         |           | ●         |               |

● = highly suitable ○ = suitable



### Poliflex fine grinding points PF ZY PUR

The PUR bond is manufactured with green silicon carbide (SiC). It is homogeneously interspersed with abrasive grain and very soft. Grinding point in cylindrical shape, for fine grinding of small surfaces.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Cool and very gentle grinding thanks to open structure and elastic bond.
- Produces a fine, matt surface finish.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Bond   | Abrasive | Grit size | Opt.<br>RPM | Max.<br>RPM |  | Item no. | Designation                |
|-----------|-----------|------------------------|------------------------|--------|----------|-----------|-------------|-------------|-----------------------------------------------------------------------------------|----------|----------------------------|
| PUR-W     |           |                        |                        |        |          |           |             |             |                                                                                   |          |                            |
| 8         | 12        | 3                      | 30                     | PUR-W  | SiC      | 80        | 24,000      | 35,800      | 10                                                                                | 41291008 | PF ZY 0812/3 CN 80 PUR-W   |
|           |           |                        |                        |        |          | 150       | 24,000      | 35,800      | 10                                                                                | 41291015 | PF ZY 0812/3 CN 150 PUR-W  |
| 10        | 25        | 6                      | 40                     | PUR-W  | SiC      | 80        | 19,000      | 28,600      | 10                                                                                | 41291208 | PF ZY 1025/6 CN 80 PUR-W   |
|           |           |                        |                        |        |          | 150       | 19,000      | 28,600      | 10                                                                                | 41291215 | PF ZY 1025/6 CN 150 PUR-W  |
| 15        | 30        | 6                      | 40                     | PUR-W  | SiC      | 80        | 12,500      | 19,000      | 10                                                                                | 41291408 | PF ZY 1530/6 CN 80 PUR-W   |
|           |           |                        |                        |        |          | 150       | 12,500      | 19,000      | 10                                                                                | 41291415 | PF ZY 1530/6 CN 150 PUR-W  |
| 20        | 30        | 6                      | 40                     | PUR-W  | SiC      | 80        | 9,500       | 14,300      | 10                                                                                | 41293108 | PF ZY 2030/6 CN 80 PUR-W   |
|           |           |                        |                        |        |          | 150       | 9,500       | 14,300      | 10                                                                                | 41293115 | PF ZY 2030/6 CN 150 PUR-W  |
| 25        | 30        | 6                      | 40                     | PUR-W  | SiC      | 80        | 7,500       | 11,400      | 10                                                                                | 41293008 | PF ZY 2530/6 CN 80 PUR-W   |
|           |           |                        |                        |        |          | 150       | 7,500       | 11,400      | 10                                                                                | 41293015 | PF ZY 2530/6 CN 150 PUR-W  |
| PUR-MH    |           |                        |                        |        |          |           |             |             |                                                                                   |          |                            |
| 8         | 12        | 3                      | 30                     | PUR-MH | SiC      | 150       | 24,000      | 35,800      | 10                                                                                | 41291115 | PF ZY 0812/3 CN 150 PUR-MH |
|           |           |                        |                        |        |          | 220       | 24,000      | 35,800      | 10                                                                                | 41291122 | PF ZY 0812/3 CN 220 PUR-MH |
| 10        | 25        | 6                      | 40                     | PUR-MH | SiC      | 150       | 19,000      | 28,600      | 10                                                                                | 41291315 | PF ZY 1025/6 CN 150 PUR-MH |
|           |           |                        |                        |        |          | 220       | 19,000      | 28,600      | 10                                                                                | 41291322 | PF ZY 1025/6 CN 220 PUR-MH |
| 15        | 30        | 6                      | 40                     | PUR-MH | SiC      | 80        | 12,500      | 19,000      | 10                                                                                | 41291508 | PF ZY 1530/6 CN 80 PUR-MH  |
|           |           |                        |                        |        |          | 150       | 12,500      | 19,000      | 10                                                                                | 41291515 | PF ZY 1530/6 CN 150 PUR-MH |
|           |           |                        |                        |        |          | 220       | 12,500      | 19,000      | 10                                                                                | 41291522 | PF ZY 1530/6 CN 220 PUR-MH |
| 20        | 30        | 6                      | 40                     | PUR-MH | SiC      | 80        | 9,500       | 14,300      | 10                                                                                | 41293208 | PF ZY 2030/6 CN 80 PUR-MH  |
|           |           |                        |                        |        |          | 150       | 9,500       | 14,300      | 10                                                                                | 41293215 | PF ZY 2030/6 CN 150 PUR-MH |
| 32        | 32        | 6                      | 40                     | PUR-MH | SiC      | 80        | 6,000       | 8,900       | 5                                                                                 | 41293408 | PF ZY 3232/6 CN 80 PUR-MH  |
|           |           |                        |                        |        |          | 150       | 6,000       | 8,900       | 5                                                                                 | 41293415 | PF ZY 3232/6 CN 150 PUR-MH |







### Poliflex discs PFD PUR for speed-adjustable angle grinders

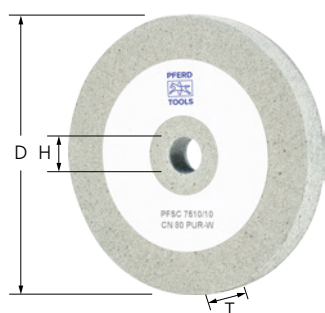
The PUR bond is manufactured with green silicon carbide (SiC). It is homogeneously interspersed with abrasive grain and very soft. For fine face-down grinding on large surfaces.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Cool and very gentle grinding thanks to open structure and elastic bond.
- Produces a fine, matt surface finish.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Version     | Abrasive | Grit size | Opt.<br>RPM | Max.<br>RPM |  | Item no. | Designation              |
|-----------|-----------|-----------|-------------|----------|-----------|-------------|-------------|-----------------------------------------------------------------------------------|----------|--------------------------|
| 115       | 14        | 22.23     | medium-hard | SiC      | 60        | 2,400       | 5,300       | 5                                                                                 | 41130106 | PFD 115-22 CN 60 PUR-MH  |
|           |           |           | soft        | SiC      | 60        | 2,400       | 5,300       | 5                                                                                 | 41130006 | PFD 115-22 CN 60 PUR-W   |
|           |           |           | medium-hard | SiC      | 150       | 2,400       | 5,300       | 5                                                                                 | 41130115 | PFD 115-22 CN 150 PUR-MH |
|           |           |           | soft        | SiC      | 150       | 2,400       | 5,300       | 5                                                                                 | 41130015 | PFD 115-22 CN 150 PUR-W  |



### Poliflex fine grinding discs PF SC PUR

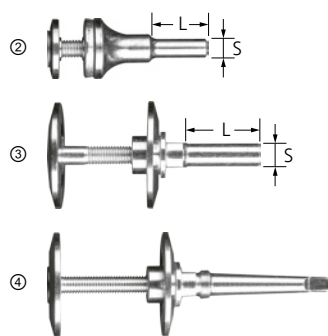
The PUR bond is manufactured with green silicon carbide (SiC). It is homogeneously interspersed with abrasive grain and very soft. For fine peripheral grinding on medium-sized to large surfaces.

#### Special features:

- Highly flexible, enabling optimal adjustment to the contour. Produces a fine, matt surface finish.
- Cool and very gentle grinding thanks to open structure and elastic bond.

■ Please order compatible arbor separately.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Abrasive | Grit size | Opt.<br>RPM | Max.<br>RPM | Suitable arbors         |  | Item no. | Designation                 |
|-----------|-----------|-----------|----------|-----------|-------------|-------------|-------------------------|-------------------------------------------------------------------------------------|----------|-----------------------------|
| 75        | 10        | 10        | SiC      | 80        | 2,500       | 3,800       | BO 8/10                 | 5                                                                                   | 41105408 | PF SC 7510/10 CN 80 PUR-W   |
| 125       | 20        | 20        | SiC      | 80        | 1,500       | 2,300       | BO 12/20,<br>BO MK 1/20 | 1                                                                                   | 41110408 | PF SC 12520/20 CN 80 PUR-W  |
| 150       | 25        | 20        | SiC      | 80        | 1,200       | 1,900       | BO 12/20,<br>BO MK 1/20 | 1                                                                                   | 41112408 | PF SC 15025/20 CN 80 PUR-W  |
|           |           |           |          | 150       | 1,200       | 1,900       | BO 12/20,<br>BO MK 1/20 | 1                                                                                   | 41112415 | PF SC 15025/20 CN 150 PUR-W |



### Arbor BO

Matching arbor for Poliflex fine grinding discs.

#### Special features:

- High economic efficiency as tool can be changed quickly.

| Image | Suitable for hole diameter [mm] | S [mm] | L [mm] | Clamping range [mm] |  | Item no. | Designation      |
|-------|---------------------------------|--------|--------|---------------------|-----------------------------------------------------------------------------------|----------|------------------|
| ②     | 10                              | 8      | 30     | 6 – 20              | 1                                                                                 | 42400008 | BO 8/10 6-20     |
| ③     | 20                              | 12     | 35     | 10 – 50             | 1                                                                                 | 42400012 | BO 12/20 10-50   |
| ④     | 20                              | -      | -      | 10 – 50             | 1                                                                                 | 42400062 | BO MK 1/20 10-50 |



### Poliflex blocks PUR

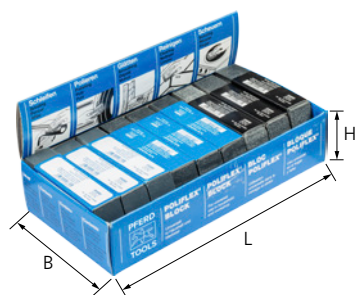
The PUR bond is manufactured with green silicon carbide (SiC). It is homogeneously interspersed with abrasive grain and very soft. The rhomboidal shape enables work to be effortlessly performed on hard-to-reach places such as corners.

#### Special features:

- Cool and very gentle grinding thanks to open structure and elastic bond.
- Produces a fine, matt surface finish.

- With a diamond cut-off wheel, the size can be adapted to the respective application as required.

| L [mm] | B [mm] | H [mm] | Abrasive | Grit size |  | Item no. | Designation            |
|--------|--------|--------|----------|-----------|-------------------------------------------------------------------------------------|----------|------------------------|
| 115    | 60     | 30     | SiC      | 60        | 5                                                                                   | 41020060 | PFB 1156030 CU 60 PUR  |
|        |        |        |          | 120       | 5                                                                                   | 41020120 | PFB 1156030 CU 120 PUR |
|        |        |        |          | 240       | 5                                                                                   | 41020240 | PFB 1156030 CU 240 PUR |



### Poliflex block set PSO PUR

Set of different Poliflex blocks PUR. The PUR bond is manufactured with green silicon carbide (SiC). It is homogeneously interspersed with abrasive grain and very soft.

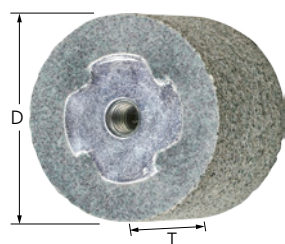
#### Contents:

Nine pieces, three each of the following Poliflex blocks: grit size 60 (coarse), 120 (medium) and 240 (fine).

#### Special features:

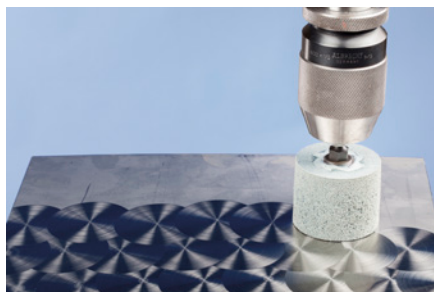
- Cool and very gentle grinding thanks to open structure and elastic bond.
- Produces a fine, matt surface finish.
- Promotional display box.

| L [mm] | B [mm] | H [mm] |  | Item no. | Designation   |
|--------|--------|--------|-------------------------------------------------------------------------------------|----------|---------------|
| 285    | 150    | 60     | 1                                                                                   | 41090002 | Set PSO 11560 |



### Poliflex marbling tool holders PFZY PUR

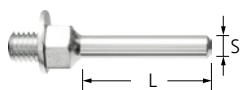
The PUR bond is manufactured with green silicon carbide (SiC). It is homogeneously interspersed with abrasive grain and very soft. Tools with female thread M8 for marbling surfaces.



#### Special features:

- Produces a fine, matt surface finish.
- Cool and very gentle grinding thanks to open structure and elastic bond.
- Please order compatible arbor separately.

| D<br>[mm] | T<br>[mm] | Thread | Abrasive | Grit size | Max.<br>RPM | Suitable<br>arbors |  | Item no. | Designation             |
|-----------|-----------|--------|----------|-----------|-------------|--------------------|-----------------------------------------------------------------------------------|----------|-------------------------|
| 50        | 40        | M8     | SiC      | 30        | 5,700       | BO 6/8             | 5                                                                                 | 41289403 | PF ZY 5040 M8 CN 30 PUR |
|           |           |        |          | 80        | 5,700       | BO 6/8             | 5                                                                                 | 41289408 | PF ZY 5040 M8 CN 80 PUR |



### Arbor BO

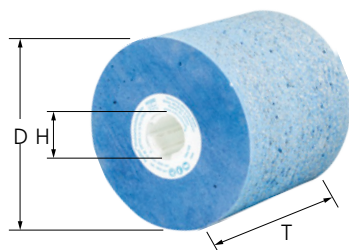
Matching arbor for Poliflex marbling tool holders.

#### Special features:

- High economic efficiency as tool can be changed quickly.
- Durable thanks to high-quality material.
- Enables faster central clamping.

| S<br>[mm] | L<br>[mm] | Thread<br>[mm] |  | Item no. | Designation |
|-----------|-----------|----------------|-------------------------------------------------------------------------------------|----------|-------------|
| 6         | 40        | M8             | 1                                                                                   | 23600608 | BO 6/8      |

## PU-STRUC bond



### Poliflex texturing rollers PF W PU-STRUC

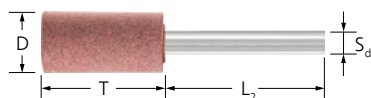
Structuring tools made of grey silicon carbide, homogeneously interspersed with a high proportion of abrasive grain. Ideal for work on components made of stainless steel (INOX). For structuring large surfaces.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- Cool and gentle grinding thanks to open structure and elastic bond.
- Quick and effective retouching of imperfections and transitions to directional textures.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Abrasive | Opt. RPM      | Max. RPM |  | Item no. | Designation                   |
|-----------|-----------|-----------|----------|---------------|----------|-------------------------------------------------------------------------------------|----------|-------------------------------|
| 100       | 100       | 19        | SiC      | 1,000 – 1,900 | 2,800    | 1                                                                                   | 41030016 | PF W 100100/19 CU 16 PU-STRUC |



### Poliflex fine grinding points PF ZY GR

This bond is a soft elastomer-based bond with pink aluminium oxide. Suitable for use on surfaces. Grinding point in cylindrical shape, for fine grinding of small surfaces.

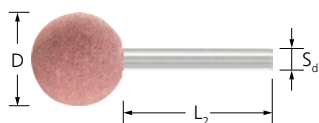


#### Special features:

- Soft grinding thanks to soft, elastic bond.
- Produces a fine, shiny surface finish.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Abrasive | Grit size | Opt.<br>RPM | Max.<br>RPM |  | Item no. | Designation            |
|-----------|-----------|------------------------|------------------------|----------|-----------|-------------|-------------|-----------------------------------------------------------------------------------|----------|------------------------|
| 4         | 8         | 3                      | 30                     | A        | 120       | 47,500      | 71,600      | 10                                                                                | 41200112 | PF ZY 0408/3 AR 120 GR |
| 6         | 10        | 3                      | 30                     | A        | 120       | 32,000      | 47,700      | 10                                                                                | 41200512 | PF ZY 0610/3 AR 120 GR |
| 8         | 8         | 3                      | 30                     | A        | 120       | 24,000      | 35,800      | 10                                                                                | 41201112 | PF ZY 0808/3 AR 120 GR |
|           |           |                        |                        |          | 220       | 24,000      | 35,800      | 10                                                                                | 41201120 | PF ZY 0808/3 AR 220 GR |
|           | 12        | 3                      | 30                     | A        | 120       | 24,000      | 35,800      | 10                                                                                | 41204112 | PF ZY 0812/3 AR 120 GR |
|           |           |                        |                        |          | 220       | 24,000      | 35,800      | 10                                                                                | 41204120 | PF ZY 0812/3 AR 220 GR |
| 10        | 6         | 3                      | 30                     | A        | 120       | 19,000      | 28,600      | 10                                                                                | 41258112 | PF ZY 1006/3 AR 120 GR |
|           |           |                        |                        |          | 220       | 19,000      | 28,600      | 10                                                                                | 41207120 | PF ZY 1010/3 AR 220 GR |
|           | 10        | 3                      | 30                     | A        | 120       | 19,000      | 28,600      | 10                                                                                | 41207112 | PF ZY 1010/3 AR 120 GR |
|           |           |                        |                        |          | 220       | 19,000      | 28,600      | 10                                                                                | 41207120 | PF ZY 1010/3 AR 220 GR |
| 12        | 8         | 3                      | 30                     | A        | 120       | 19,000      | 28,600      | 10                                                                                | 41213112 | PF ZY 1015/3 AR 120 GR |
|           |           |                        |                        |          | 220       | 19,000      | 28,600      | 10                                                                                | 41213120 | PF ZY 1015/3 AR 220 GR |
|           | 12        | 3                      | 30                     | A        | 120       | 16,000      | 23,800      | 10                                                                                | 41264112 | PF ZY 1208/3 AR 120 GR |
|           |           |                        |                        |          | 220       | 16,000      | 23,800      | 10                                                                                | 41222112 | PF ZY 1212/3 AR 120 GR |
| 10        | 10        | 6                      | 40                     | A        | 120       | 16,000      | 23,800      | 10                                                                                | 41228112 | PF ZY 1220/3 AR 120 GR |
|           |           |                        |                        |          | 220       | 16,000      | 23,800      | 10                                                                                | 41228120 | PF ZY 1220/3 AR 220 GR |
|           | 15        | 6                      | 40                     | A        | 120       | 19,000      | 28,600      | 10                                                                                | 41210112 | PF ZY 1010/6 AR 120 GR |
|           |           |                        |                        |          | 220       | 19,000      | 28,600      | 10                                                                                | 41216112 | PF ZY 1015/6 AR 120 GR |
| 12        | 8         | 6                      | 40                     | A        | 120       | 19,000      | 28,600      | 10                                                                                | 41216120 | PF ZY 1015/6 AR 220 GR |
|           |           |                        |                        |          | 220       | 19,000      | 28,600      | 10                                                                                | 41216120 | PF ZY 1015/6 AR 220 GR |
|           | 12        | 6                      | 40                     | A        | 80        | 19,000      | 28,600      | 10                                                                                | 41219108 | PF ZY 1025/6 AR 80 GR  |
|           |           |                        |                        |          | 120       | 19,000      | 28,600      | 10                                                                                | 41219112 | PF ZY 1025/6 AR 120 GR |
| 15        | 15        | 6                      | 40                     | A        | 120       | 19,000      | 28,600      | 10                                                                                | 41219120 | PF ZY 1025/6 AR 220 GR |
|           |           |                        |                        |          | 220       | 19,000      | 28,600      | 10                                                                                | 41219120 | PF ZY 1025/6 AR 220 GR |
|           | 20        | 6                      | 40                     | A        | 120       | 16,000      | 23,800      | 10                                                                                | 41267112 | PF ZY 1208/6 AR 120 GR |
|           |           |                        |                        |          | 220       | 16,000      | 23,800      | 10                                                                                | 41225112 | PF ZY 1212/6 AR 120 GR |
| 20        | 12        | 6                      | 40                     | A        | 120       | 16,000      | 23,800      | 10                                                                                | 41231112 | PF ZY 1220/6 AR 120 GR |
|           |           |                        |                        |          | 220       | 16,000      | 23,800      | 10                                                                                | 41231120 | PF ZY 1220/6 AR 220 GR |
|           | 25        | 6                      | 40                     | A        | 120       | 12,500      | 19,000      | 10                                                                                | 41234112 | PF ZY 1515/6 AR 120 GR |
|           |           |                        |                        |          | 220       | 12,500      | 19,000      | 10                                                                                | 41237112 | PF ZY 1525/6 AR 120 GR |
| 25        | 15        | 6                      | 40                     | A        | 120       | 12,500      | 19,000      | 10                                                                                | 41237120 | PF ZY 1525/6 AR 220 GR |
|           |           |                        |                        |          | 220       | 12,500      | 19,000      | 10                                                                                | 41237120 | PF ZY 1525/6 AR 220 GR |
|           | 30        | 6                      | 40                     | A        | 120       | 12,500      | 19,000      | 10                                                                                | 41240112 | PF ZY 1530/6 AR 120 GR |
|           |           |                        |                        |          | 220       | 12,500      | 19,000      | 10                                                                                | 41240120 | PF ZY 1530/6 AR 220 GR |
| 30        | 12        | 6                      | 40                     | A        | 120       | 9,500       | 14,300      | 10                                                                                | 41273112 | PF ZY 2012/6 AR 120 GR |
|           |           |                        |                        |          | 220       | 9,500       | 14,300      | 10                                                                                | 41243112 | PF ZY 2020/6 AR 120 GR |
|           | 20        | 6                      | 40                     | A        | 120       | 9,500       | 14,300      | 10                                                                                | 41243120 | PF ZY 2020/6 AR 220 GR |
|           |           |                        |                        |          | 220       | 9,500       | 14,300      | 10                                                                                | 41243120 | PF ZY 2020/6 AR 220 GR |
| 40        | 15        | 6                      | 40                     | A        | 80        | 9,500       | 14,300      | 10                                                                                | 41246108 | PF ZY 2030/6 AR 80 GR  |
|           |           |                        |                        |          | 120       | 9,500       | 14,300      | 10                                                                                | 41246112 | PF ZY 2030/6 AR 120 GR |
|           | 25        | 6                      | 40                     | A        | 120       | 7,500       | 11,400      | 10                                                                                | 41276112 | PF ZY 2515/6 AR 120 GR |
|           |           |                        |                        |          | 220       | 7,500       | 11,400      | 10                                                                                | 41249112 | PF ZY 2525/6 AR 120 GR |
| 30        | 20        | 6                      | 40                     | A        | 120       | 7,500       | 11,400      | 10                                                                                | 41249120 | PF ZY 2525/6 AR 220 GR |
|           |           |                        |                        |          | 220       | 7,500       | 11,400      | 10                                                                                | 41249120 | PF ZY 2525/6 AR 220 GR |
| 40        | 30        | 6                      | 40                     | A        | 120       | 6,500       | 9,500       | 5                                                                                 | 41279112 | PF ZY 3020/6 AR 120 GR |
|           |           |                        |                        |          | 220       | 6,500       | 9,500       | 5                                                                                 | 41252112 | PF ZY 3030/6 AR 120 GR |
| 40        | 25        | 8                      | 40                     | A        | 120       | 4,500       | 9,500       | 5                                                                                 | 41282112 | PF ZY 4025/8 AR 120 GR |





### Poliflex fine grinding points PF KU GR

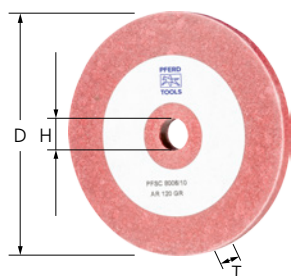
This bond is a soft elastomer-based bond with pink aluminium oxide. Suitable for use on surfaces. Grinding point in ball shape for fine grinding inner radii, contours and transitions.

**Special features:**

- Soft grinding thanks to soft, elastic bond.

- Produces a fine, shiny surface finish.

| D<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation          |
|-----------|------------------------|------------------------|----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|----------------------|
| 8         | 3                      | 30                     | A        | 120       | 24,000   | 35,800   | 10                                                                                | 41401112 | PF KU 08/3 AR 120 GR |
| 10        | 3                      | 30                     | A        | 120       | 19,000   | 28,600   | 10                                                                                | 41407112 | PF KU 10/3 AR 120 GR |
| 12        | 6                      | 40                     | A        | 120       | 16,000   | 23,800   | 10                                                                                | 41425112 | PF KU 12/6 AR 120 GR |
| 15        | 6                      | 40                     | A        | 120       | 12,500   | 19,000   | 10                                                                                | 41434112 | PF KU 15/6 AR 120 GR |
| 20        | 6                      | 40                     | A        | 120       | 9,500    | 14,300   | 10                                                                                | 41443112 | PF KU 20/6 AR 120 GR |
| 25        | 6                      | 40                     | A        | 120       | 7,500    | 11,400   | 10                                                                                | 41449112 | PF KU 25/6 AR 120 GR |
| 30        | 6                      | 40                     | A        | 120       | 6,500    | 9,500    | 5                                                                                 | 41452112 | PF KU 30/6 AR 120 GR |



### Poliflex fine grinding discs PF SC GR

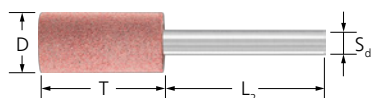
A soft elastomer-based bond with pink aluminium oxide. Suitable for use on surfaces. Ideally suited to very fine grinding on all metallic materials, e.g. in tool- and mould-making, in the dental sector and in the jewellery industry.

**Special features:**

- Soft grinding thanks to soft, elastic bond.
- Due to their construction, the small diameter variants are particularly suited to work on tight and hard-to-reach places.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM | Suitable arbors      |  | Item no. | Designation              |
|-----------|-----------|-----------|----------|-----------|----------|----------|----------------------|-------------------------------------------------------------------------------------|----------|--------------------------|
| 25        | 3         | 2         | A        | 120       | 7,500    | 11,400   | BO 2,3/1-6, BO 3/1,6 | 100                                                                                 | 41982401 | PF SC 2503/2 AR 120 GR   |
| 30        | 6         | 6         | A        | 120       | 6,300    | 9,500    | BO 6/6 3-10          | 5                                                                                   | 41100112 | PF SC 3006/6 AR 120 GR   |
| 50        | 6         | 6         | A        | 120       | 3,800    | 5,700    | BO 6/6 3-10          | 5                                                                                   | 41102112 | PF SC 5006/6 AR 120 GR   |
| 80        | 6         | 10        | A        | 120       | 2,400    | 3,500    | BO 8/10              | 5                                                                                   | 41106112 | PF SC 8006/10 AR 120 GR  |
| 100       | 20        | 10        | A        | 120       | 1,900    | 2,800    | BO 8/10              | 1                                                                                   | 41109112 | PF SC 10020/10 AR 120 GR |

## GHR bond



### Poliflex fine grinding points PF ZY GHR

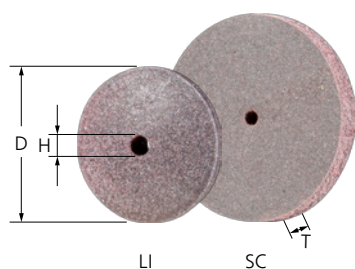
A soft yet sturdy elastomer-based bond. Suitable for use on edges. Grinding point in cylindrical shape, for fine grinding of small surfaces.

**Special features:**

- Softer grinding with a longer tool life.

- Produces a fine, shiny surface finish.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation               |
|-----------|-----------|------------------------|------------------------|----------|-----------|----------|----------|-------------------------------------------------------------------------------------|----------|---------------------------|
| 4         | 8         | 3                      | 30                     | A        | 400       | 100,000  | 143,200  | 10                                                                                  | 41200540 | PF ZY 0408/3 AW 400 GHR   |
| 8         | 12        | 3                      | 30                     | A/SiC    | 120       | 60,000   | 71,600   | 10                                                                                  | 41204512 | PF ZY 0812/3 ANCN 120 GHR |
|           |           |                        |                        | A        | 400       | 60,000   | 71,600   | 10                                                                                  | 41204540 | PF ZY 0812/3 AW 400 GHR   |
| 10        | 10        | 3                      | 30                     | A/SiC    | 120       | 45,000   | 57,200   | 10                                                                                  | 41207512 | PF ZY 1010/3 ANCN 120 GHR |
|           |           |                        |                        | A/SiC    | 120       | 45,000   | 52,000   | 10                                                                                  | 41213512 | PF ZY 1015/3 ANCN 120 GHR |
|           | 25        | 6                      | 40                     | A/SiC    | 120       | 45,000   | 57,200   | 10                                                                                  | 41219512 | PF ZY 1025/6 ANCN 120 GHR |
|           |           |                        |                        | A        | 400       | 45,000   | 57,200   | 10                                                                                  | 41219540 | PF ZY 1025/6 AW 400 GHR   |
| 15        | 30        | 6                      | 40                     | A/SiC    | 46        | 32,000   | 47,700   | 10                                                                                  | 41240504 | PF ZY 1530/6 ANCN 46 GHR  |
|           |           |                        |                        | A/SiC    | 80        | 32,000   | 47,700   | 10                                                                                  | 41240508 | PF ZY 1530/6 ANCN 80 GHR  |
| 20        | 30        | 6                      | 40                     | A/SiC    | 46        | 24,000   | 28,600   | 10                                                                                  | 41246504 | PF ZY 2030/6 ANCN 46 GHR  |
| 25        | 25        | 6                      | 40                     | A/SiC    | 46        | 19,000   | 22,900   | 10                                                                                  | 41249504 | PF ZY 2525/6 ANCN 46 GHR  |



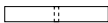
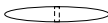
### Poliflex fine grinding discs/lenses PF SC/LI GHR

A soft yet sturdy bond with an abrasive mixture comprising aluminium oxide and silicon carbide (SiC), elastomer-based. Suitable for use on edges. Ideally suited to very fine grinding on all metallic materials, e.g. in tool and mould-making, in the dental sector and in the jewellery industry.

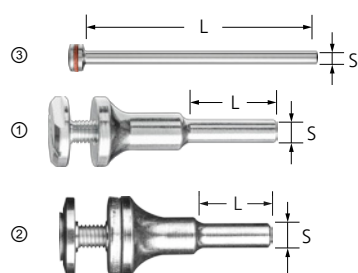


#### Special features:

- Softer grinding with a longer tool life.
- Produces a fine, shiny surface finish.
- Due to their construction, the small diameter variants are particularly suited to work on tight and hard-to-reach places.

| D<br>[mm]                                                                                           | T<br>[mm] | H<br>[mm] | Abrasive | Grit size | Opt.<br>RPM | Max.<br>RPM | Suitable arbors         |  | Item no. | Designation             |
|-----------------------------------------------------------------------------------------------------|-----------|-----------|----------|-----------|-------------|-------------|-------------------------|-----------------------------------------------------------------------------------|----------|-------------------------|
| <b>Disc shape</b>  |           |           |          |           |             |             |                         |                                                                                   |          |                         |
| 25                                                                                                  | 3         | 2         | SiC      | 220       | 7,500       | 11,400      | BO 2,3/1-6,<br>BO 3/1,6 | 100                                                                               | 41982510 | PF SC 2503/2 CU 220 GHR |
| <b>Lens shape</b>  |           |           |          |           |             |             |                         |                                                                                   |          |                         |
| 16                                                                                                  | 4         | 2         | SiC      | 220       | 12,000      | 17,900      | BO 2,3/1-6,<br>BO 3/1,6 | 100                                                                               | 41962020 | PF LI 1604/2 CU 220 GHR |
| 24                                                                                                  | 3         | 2         | SiC      | 220       | 8,000       | 12,000      | BO 2,3/1-6,<br>BO 3/1,6 | 100                                                                               | 41963010 | PF LI 2403/2 CU 220 GHR |

### Arbor BO



#### Arbor BO

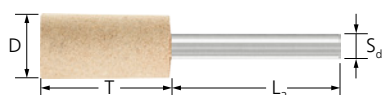
Matching arbor for POLIFLEX fine grinding discs and lenses.

#### Special features:

- High economic efficiency as tool can be changed quickly.

| Image | Suitable for<br>hole diameter<br>[mm] | S<br>[mm] | L<br>[mm] | Clamping<br>range<br>[mm] |  | Item no. | Designation    |
|-------|---------------------------------------|-----------|-----------|---------------------------|-------------------------------------------------------------------------------------|----------|----------------|
| ③     | 1,6                                   | 2.34      | 43        | 1 – 5                     | 10                                                                                  | 42460023 | BO 2,3/1,6 1-5 |
|       |                                       | 3         | 43        | 1 – 5                     | 10                                                                                  | 42460030 | BO 3/1,6 1-5   |
| ①     | 6                                     | 6         | 25        | 3 – 10                    | 1                                                                                   | 42400006 | BO 6/6 3-10    |
| ②     | 10                                    | 8         | 30        | 6 – 20                    | 1                                                                                   | 42400008 | BO 8/10 6-20   |





### Poliflex fine grinding points PF ZY LR

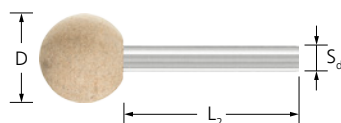
A hard, sturdy bond with white aluminium oxide. Suitable for use on surfaces. Grinding point in cylindrical shape, for fine grinding of small surfaces.



#### Special features:

- Produces a fine, shiny surface finish.
- High economic efficiency due to high abrasive performance and long tool life.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Abrasive | Grit size | Opt.<br>RPM | Max.<br>RPM |  | Item no. | Designation            |
|-----------|-----------|------------------------|------------------------|----------|-----------|-------------|-------------|-----------------------------------------------------------------------------------|----------|------------------------|
| 4         | 8         | 3                      | 30                     | A        | 120       | 95,000      | 143,200     | 10                                                                                | 41200212 | PF ZY 0408/3 AW 120 LR |
|           |           |                        |                        |          | 400       | 95,000      | 143,200     | 10                                                                                | 41200240 | PF ZY 0408/3 AW 400 LR |
| 6         | 10        | 3                      | 30                     | A        | 120       | 64,000      | 95,400      | 10                                                                                | 41200612 | PF ZY 0610/3 AW 120 LR |
| 8         | 8         | 3                      | 30                     | A        | 120       | 47,500      | 71,600      | 10                                                                                | 41201212 | PF ZY 0808/3 AW 120 LR |
|           |           |                        |                        |          | 120       | 47,500      | 71,600      | 10                                                                                | 41204212 | PF ZY 0812/3 AW 120 LR |
|           |           |                        |                        |          | 220       | 47,500      | 71,600      | 10                                                                                | 41204220 | PF ZY 0812/3 AW 220 LR |
|           |           |                        |                        |          | 400       | 47,500      | 71,600      | 10                                                                                | 41204240 | PF ZY 0812/3 AW 400 LR |
| 10        | 10        | 3                      | 30                     | A        | 120       | 38,000      | 57,200      | 10                                                                                | 41207212 | PF ZY 1010/3 AW 120 LR |
|           |           |                        |                        |          | 220       | 38,000      | 57,200      | 10                                                                                | 41207220 | PF ZY 1010/3 AW 220 LR |
|           | 15        | 3                      | 30                     | A        | 120       | 38,000      | 57,200      | 10                                                                                | 41213212 | PF ZY 1015/3 AW 120 LR |
| 12        | 12        | 3                      | 30                     | A        | 120       | 32,000      | 47,700      | 10                                                                                | 41222212 | PF ZY 1212/3 AW 120 LR |
|           | 20        | 3                      | 30                     | A        | 120       | 32,000      | 47,700      | 10                                                                                | 41228212 | PF ZY 1220/3 AW 120 LR |
| 10        | 10        | 6                      | 40                     | A        | 120       | 38,000      | 57,200      | 10                                                                                | 41210212 | PF ZY 1010/6 AW 120 LR |
|           |           |                        |                        |          | 120       | 38,000      | 57,200      | 10                                                                                | 41216212 | PF ZY 1015/6 AW 120 LR |
|           |           |                        |                        |          | 120       | 38,000      | 57,200      | 10                                                                                | 41219212 | PF ZY 1025/6 AW 120 LR |
|           |           |                        |                        |          | 220       | 38,000      | 57,200      | 10                                                                                | 41219220 | PF ZY 1025/6 AW 220 LR |
| 12        | 12        | 6                      | 40                     | A        | 120       | 32,000      | 47,700      | 10                                                                                | 41225212 | PF ZY 1212/6 AW 120 LR |
|           | 20        | 6                      | 40                     | A        | 120       | 32,000      | 47,700      | 10                                                                                | 41231212 | PF ZY 1220/6 AW 120 LR |
| 15        | 15        | 6                      | 40                     | A        | 120       | 25,500      | 38,100      | 10                                                                                | 41234212 | PF ZY 1515/6 AW 120 LR |
|           | 25        | 6                      | 40                     | A        | 120       | 25,500      | 38,100      | 10                                                                                | 41237212 | PF ZY 1525/6 AW 120 LR |
|           | 30        | 6                      | 40                     | A        | 120       | 25,500      | 38,100      | 10                                                                                | 41240212 | PF ZY 1530/6 AW 120 LR |
| 20        | 20        | 6                      | 40                     | A        | 120       | 19,000      | 28,600      | 10                                                                                | 41243212 | PF ZY 2020/6 AW 120 LR |
|           | 30        | 6                      | 40                     | A        | 120       | 19,000      | 28,600      | 10                                                                                | 41246212 | PF ZY 2030/6 AW 120 LR |
| 25        | 25        | 6                      | 40                     | A        | 120       | 15,000      | 22,900      | 10                                                                                | 41249212 | PF ZY 2525/6 AW 120 LR |
| 30        | 30        | 6                      | 40                     | A        | 120       | 12,500      | 19,000      | 5                                                                                 | 41252212 | PF ZY 3030/6 AW 120 LR |



### Poliflex fine grinding points PF KU LR

A hard, sturdy bond with white aluminium oxide. Suitable for use on surfaces. Grinding point in ball shape for fine grinding inner radii, contours and transitions.

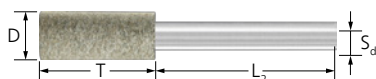


#### Special features:

- Produces a fine, shiny surface finish.
- High economic efficiency due to high abrasive performance and long tool life.

| D<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation          |
|-----------|------------------------|------------------------|----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|----------------------|
| 8         | 3                      | 30                     | A        | 120       | 47,000   | 71,600   | 10                                                                                | 41401212 | PF KU 08/3 AW 120 LR |
| 10        | 3                      | 30                     | A        | 120       | 38,000   | 57,200   | 10                                                                                | 41410212 | PF KU 10/3 AW 120 LR |
| 15        | 6                      | 40                     | A        | 120       | 29,500   | 38,100   | 10                                                                                | 41434212 | PF KU 15/6 AW 120 LR |
| 20        | 6                      | 40                     | A        | 120       | 19,000   | 28,600   | 10                                                                                | 41443212 | PF KU 20/6 AW 120 LR |

### LHR bond



### Poliflex fine grinding points PF ZY LHR

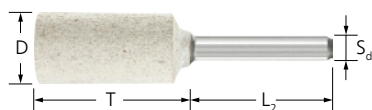
A hard, sturdy bond. Suitable for use on edges. Grinding point in cylindrical shape, for fine grinding of small surfaces.

#### Special features:

- Produces a fine, shiny surface finish.
- High economic efficiency due to high abrasive performance and long tool life.

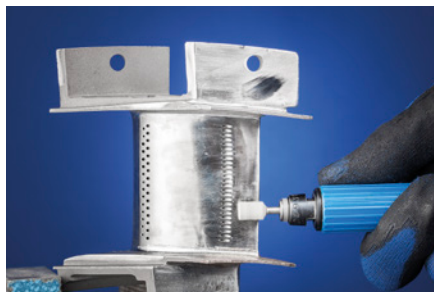
| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation              |
|-----------|-----------|------------------------|------------------------|----------|-----------|----------|----------|-------------------------------------------------------------------------------------|----------|--------------------------|
| 8         | 12        | 3                      | 30                     | A        | 120       | 47,000   | 76,700   | 10                                                                                  | 41204312 | PF ZY 0812/3 AW 120 LHR  |
| 10        | 25        | 6                      | 40                     | A/SiC    | 60        | 75,000   | 83,200   | 10                                                                                  | 41219306 | PF ZY 1025/6 AWCN 60 LHR |
|           |           |                        |                        | A        | 120       | 75,000   | 83,200   | 10                                                                                  | 41219312 | PF ZY 1025/6 AW 120 LHR  |
| 20        | 20        | 6                      | 40                     | A        | 120       | 38,000   | 47,700   | 10                                                                                  | 41243312 | PF ZY 2020/6 AW 120 LHR  |





### Poliflex fine grinding points PF ZY TX

Very hard, sturdy bond made of regular aluminium oxide with textile fabric inlays. Suitable for use on edges. Grinding point in cylindrical shape, for fine grinding of small surfaces.



#### Special features:

- Produces a fine, matt surface finish.
- High economic efficiency due to high abrasive performance and long tool life.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation            |
|-----------|-----------|------------------------|------------------------|----------|-----------|----------|----------|-----------------------------------------------------------------------------------|----------|------------------------|
| 6         | 10        | 3                      | 30                     | A        | 80        | 63,000   | 95,400   | 10                                                                                | 41200708 | PF ZY 0610/3 AN 80 TX  |
|           |           |                        |                        |          | 120       | 63,000   | 95,400   | 10                                                                                | 41200712 | PF ZY 0610/3 AN 120 TX |
| 8         | 12        | 3                      | 30                     | A        | 80        | 47,500   | 71,600   | 10                                                                                | 41204608 | PF ZY 0812/3 AN 80 TX  |
|           |           |                        |                        |          | 120       | 47,500   | 71,600   | 10                                                                                | 41204612 | PF ZY 0812/3 AN 120 TX |
| 10        | 25        | 6                      | 40                     | A        | 80        | 38,000   | 57,200   | 10                                                                                | 41219608 | PF ZY 1025/6 AN 80 TX  |
|           |           |                        |                        |          | 120       | 38,000   | 57,200   | 10                                                                                | 41219612 | PF ZY 1025/6 AN 120 TX |
| 16        | 32        | 6                      | 40                     | A        | 80        | 24,000   | 35,800   | 10                                                                                | 41241608 | PF ZY 1632/6 AN 80 TX  |
|           |           |                        |                        |          | 120       | 24,000   | 35,800   | 10                                                                                | 41241612 | PF ZY 1632/6 AN 120 TX |
| 19        | 2.5       | 6                      | 40                     | A        | 80        | 20,000   | 30,100   | 10                                                                                | 47000886 | PF ZY 192,5/6 AN 80 TX |
| 20        | 32        | 6                      | 40                     | A        | 80        | 19,000   | 28,600   | 10                                                                                | 41247608 | PF ZY 2032/6 AN 80 TX  |
|           |           |                        |                        |          | 120       | 19,000   | 28,600   | 10                                                                                | 41247612 | PF ZY 2032/6 AN 120 TX |
| 25        | 32        | 6                      | 40                     | A        | 80        | 15,000   | 22,900   | 10                                                                                | 41250608 | PF ZY 2532/6 AN 80 TX  |
|           |           |                        |                        |          | 120       | 15,000   | 22,900   | 10                                                                                | 41250612 | PF ZY 2532/6 AN 120 TX |



### Poliflex fine grinding points PF KU TX

Very hard, sturdy bond made of regular aluminium oxide with textile fabric inlays. Suitable for use on edges. Grinding point in ball shape for fine grinding inner radii, contours and transitions.

#### Special features:

- Produces a fine, matt surface finish.
- High economic efficiency due to high abrasive performance and long tool life.

| D<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Abrasive | Grit size | Opt. RPM | Max. RPM |  | Item no. | Designation          |
|-----------|------------------------|------------------------|----------|-----------|----------|----------|-------------------------------------------------------------------------------------|----------|----------------------|
| 6         | 3                      | 30                     | A        | 80        | 63,000   | 95,400   | 10                                                                                  | 41400608 | PF KU 06/3 AN 80 TX  |
|           |                        |                        |          | 120       | 63,000   | 95,400   | 10                                                                                  | 41400612 | PF KU 06/3 AN 120 TX |
| 8         | 3                      | 30                     | A        | 120       | 47,500   | 71,600   | 10                                                                                  | 41401612 | PF KU 08/3 AN 120 TX |
| 10        | 3                      | 30                     | A        | 120       | 38,000   | 57,200   | 10                                                                                  | 41407612 | PF KU 10/3 AN 120 TX |



### Poliflex fine grinding points PF KE TX

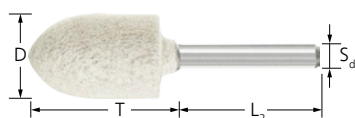
Very hard, sturdy bond made of regular aluminium oxide with textile fabric inlays. Suitable for use on edges. Grinding point in conical shape for fine grinding inner radii, contours and transitions.



#### Special features:

- Produces a fine, matt surface finish.
- High economic efficiency due to high abrasive performance and long tool life.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Abrasive | Grit size | Opt.<br>RPM | Max.<br>RPM |  | Item no. | Designation            |
|-----------|-----------|------------------------|------------------------|----------|-----------|-------------|-------------|-----------------------------------------------------------------------------------|----------|------------------------|
| 10        | 25        | 6                      | 40                     | A        | 80        | 38,000      | 57,200      | 10                                                                                | 41719608 | PF KE 1025/6 AN 80 TX  |
|           |           |                        |                        |          | 120       | 38,000      | 57,200      | 10                                                                                | 41719612 | PF KE 1025/6 AN 120 TX |
| 16        | 45        | 6                      | 40                     | A        | 80        | 24,000      | 38,800      | 10                                                                                | 41738608 | PF KE 1645/6 AN 80 TX  |
| 25        | 70        | 6                      | 40                     | A        | 80        | 15,000      | 22,900      | 10                                                                                | 41750608 | PF KE 2570/6 AN 80 TX  |



### Poliflex fine grinding points PF SP TX

Very hard, sturdy bond made of regular aluminium oxide with textile fabric inlays. Grinding point in pointed tree shape for fine grinding inner radii, contours and transitions.

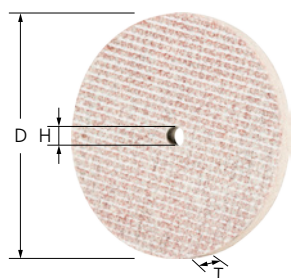


#### Special features:

- Produces a fine, matt surface finish.
- High economic efficiency due to high abrasive performance and long tool life.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Abrasive | Grit size | Opt.<br>RPM | Max.<br>RPM |  | Item no. | Designation            |
|-----------|-----------|------------------------|------------------------|----------|-----------|-------------|-------------|-------------------------------------------------------------------------------------|----------|------------------------|
| 10        | 20        | 3                      | 30                     | A        | 80        | 38,000      | 57,200      | 10                                                                                  | 41310608 | PF SP 1020/3 AN 80 TX  |
|           |           |                        |                        |          | 120       | 38,000      | 49,200      | 10                                                                                  | 41310612 | PF SP 1020/3 AN 120 TX |
| 20        | 32        | 6                      | 40                     | A        | 80        | 19,000      | 28,600      | 10                                                                                  | 41320608 | PF SP 2032/6 AN 80 TX  |
|           |           |                        |                        |          | 120       | 19,000      | 28,600      | 10                                                                                  | 41320612 | PF SP 2032/6 AN 120 TX |





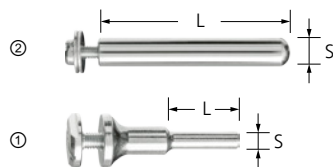
### Poliflex fine grinding discs PF SC TX

Very hard, sturdy bond made of regular aluminium oxide with textile fabric inlays. For fine peripheral grinding on small surfaces.

#### Special features:

- Produces a fine, matt surface finish.
- High economic efficiency due to high abrasive performance and long tool life.
- Please order compatible arbor separately.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Abrasive | Grit size | Opt.<br>RPM | Max.<br>RPM | Suitable arbors |  | Item no. | Designation           |
|-----------|-----------|-----------|----------|-----------|-------------|-------------|-----------------|-----------------------------------------------------------------------------------|----------|-----------------------|
| 25        | 3         | 3         | A        | 80        | 15,000      | 22,900      | BO 6/3 1-6      | 20                                                                                | 41120308 | PF SC 2503/3 A 80 TX  |
|           |           |           |          | 120       | 15,000      | 22,900      | BO 6/3 1-6      | 20                                                                                | 41120312 | PF SC 2503/3 A 120 TX |
|           | 6         | 3         | A        | 120       | 15,000      | 22,900      | BO 6/3 1-6      | 20                                                                                | 41120612 | PF SC 2506/3 A 120 TX |
| 40        | 3         | 3         | A        | 80        | 9,500       | 14,300      | BO 6/3 1-6      | 10                                                                                | 41121408 | PF SC 4003/3 A 80 TX  |
|           |           |           |          | 120       | 9,500       | 14,300      | BO 6/3 1-6      | 10                                                                                | 41121412 | PF SC 4003/3 A 120 TX |
|           | 6         | 6         | A        | 120       | 9,500       | 14,300      | BO 6/6 3-10     | 10                                                                                | 41121612 | PF SC 4006/6 A 120 TX |



### Arbor BO

Matching arbor for Poliflex fine grinding discs.

#### Special features:

- High economic efficiency as tool can be changed quickly.
- Durable thanks to high-quality material.
- Enables faster central clamping.

| Image | Suitable for<br>hole diameter<br>[mm] | S<br>[mm] | L<br>[mm] | Clamping<br>range<br>[mm] |  | Item no. | Designation |
|-------|---------------------------------------|-----------|-----------|---------------------------|-------------------------------------------------------------------------------------|----------|-------------|
| ②     | 3                                     | 6         | 40        | 1 – 6                     | 1                                                                                   | 42400003 | BO 6/3 1-6  |
| ①     | 6                                     | 6         | 25        | 3 – 10                    | 1                                                                                   | 42400006 | BO 6/6 3-10 |

### Safety notes

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



Wear eye protection!



Wear hearing protection!



Wear gloves!



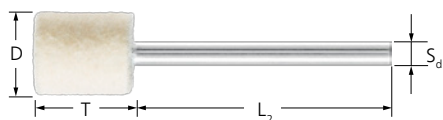
Wear a dust mask!



Follow the safety instructions!



### Felt points FK



#### Shape ZYA

The cylindrical shape ZYA is mainly used peripherally for pre-polishing and high-gloss polishing. Can be profiled as desired, meaning they can also be used for tools with complex geometries. Precise retention of geometric shapes due to the hardness of these tools.

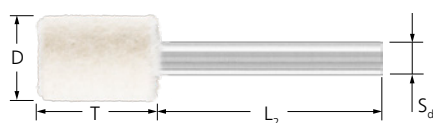
#### Special features:

- Outstanding result with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Version           | Opt. RPM        | Max.<br>RPM |  | Item no. | Designation      |
|-----------|-----------|------------------------|------------------------|-------------------|-----------------|-------------|--------------------------------------------------------------------------------------|----------|------------------|
| 4         | 12        | 3                      | 37                     | M (medium)        | 23,000 – 47,000 | 119,000     | 10                                                                                   | 44100412 | FK ZYA 0412/3 M  |
| 6         | 10        | 3                      | 35                     | M (medium)        | 16,000 – 32,000 | 79,500      | 10                                                                                   | 44140610 | FK ZYA 0610/3 M  |
|           |           |                        |                        | H (hard)          | 16,000 – 32,000 | 79,500      | 10                                                                                   | 44100614 | FK ZYA 0610/3 H  |
| 8         | 10        | 3                      | 35                     | M (medium)        | 12,000 – 24,000 | 59,500      | 10                                                                                   | 44140810 | FK ZYA 0810/3 M  |
|           |           |                        |                        | H (hard)          | 12,000 – 24,000 | 59,500      | 10                                                                                   | 44140816 | FK ZYA 0810/3 H  |
| 10        | 12        | 3                      | 34                     | M (medium)        | 10,000 – 20,000 | 47,500      | 10                                                                                   | 44111009 | FK ZYA 1012/3 M  |
|           |           |                        |                        | H (hard)          | 10,000 – 20,000 | 47,500      | 10                                                                                   | 44111010 | FK ZYA 1012/3 H  |
|           | 15        | 3                      | 32                     | M (medium)        | 10,000 – 20,000 | 47,500      | 10                                                                                   | 44111013 | FK ZYA 1015/3 M  |
|           |           |                        |                        | H (hard)          | 10,000 – 20,000 | 47,500      | 10                                                                                   | 44161015 | FK ZYA 1015/3 H  |
|           |           |                        |                        | MS (metal insert) | 10,000 – 20,000 | 47,500      | 10                                                                                   | 44161014 | FK ZYA 1015/3 MS |
| 12        | 20        | 3                      | 28                     | M (medium)        | 7,950 – 15,900  | 39,500      | 10                                                                                   | 44100038 | FK ZYA 1220/3 M  |
|           |           |                        |                        | H (hard)          | 7,950 – 15,900  | 39,500      | 10                                                                                   | 44100040 | FK ZYA 1220/3 H  |
| 10        | 12        | 6                      | 42                     | M (medium)        | 10,000 – 20,000 | 47,500      | 10                                                                                   | 44111011 | FK ZYA 1012/6 M  |
|           |           |                        |                        | H (hard)          | 10,000 – 20,000 | 47,500      | 10                                                                                   | 44111012 | FK ZYA 1012/6 H  |
|           | 15        | 6                      | 40                     | M (medium)        | 10,000 – 20,000 | 47,500      | 10                                                                                   | 44101671 | FK ZYA 1015/6 M  |
|           |           |                        |                        | H (hard)          | 10,000 – 20,000 | 47,500      | 10                                                                                   | 44161016 | FK ZYA 1015/6 H  |
| 12        | 20        | 6                      | 36                     | M (medium)        | 7,950 – 15,900  | 39,500      | 10                                                                                   | 44100042 | FK ZYA 1220/6 M  |
|           |           |                        |                        | H (hard)          | 7,950 – 15,900  | 39,500      | 10                                                                                   | 44100044 | FK ZYA 1220/6 H  |







### Shape ZYA with end hole

The cylindrical shape ZYA is mainly used face-down for pre-polishing and high-gloss polishing. Can be profiled as desired, meaning they can also be used for tools with complex geometries. Precise retention of geometric shapes due to the hardness of these tools.

#### Special features:

- Outstanding result with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

- Particularly suitable for face-down use.

| D [mm] | T [mm] | S <sub>d</sub> [mm] | L <sub>2</sub> [mm] | Version           | Opt. RPM       | Max. RPM |  | Item no. | Designation            |
|--------|--------|---------------------|---------------------|-------------------|----------------|----------|------------------------------------------------------------------------------------|----------|------------------------|
| 15     | 20     | 3                   | 28                  | M (medium)        | 6,000 – 12,000 | 31,500   | 10                                                                                 | 44100046 | FK ZYA 1520/3 M ST-BO  |
|        |        |                     |                     | H (hard)          | 6,000 – 12,000 | 31,500   | 10                                                                                 | 44100048 | FK ZYA 1520/3 H ST-BO  |
|        |        | 6                   | 38                  | M (medium)        | 6,000 – 12,000 | 31,500   | 10                                                                                 | 44151520 | FK ZYA 1520/6 M ST-BO  |
|        |        |                     |                     | H (hard)          | 6,000 – 12,000 | 31,500   | 10                                                                                 | 44100050 | FK ZYA 1520/6 H ST-BO  |
|        |        |                     |                     | MS (metal insert) | 6,000 – 12,000 | 31,500   | 10                                                                                 | 44161520 | FK ZYA 1520/6 MS ST-BO |
| 20     | 25     | 6                   | 43                  | M (medium)        | 5,000 – 10,000 | 23,500   | 10                                                                                 | 44101701 | FK ZYA 2025/6 M ST-BO  |
|        |        |                     |                     | H (hard)          | 5,000 – 10,000 | 23,500   | 10                                                                                 | 44100052 | FK ZYA 2025/6 H ST-BO  |
| 25     | 30     | 6                   | 40                  | M (medium)        | 4,000 – 8,000  | 19,000   | 10                                                                                 | 44112536 | FK ZYA 2530/6 M ST-BO  |
|        |        |                     |                     | H (hard)          | 4,000 – 8,000  | 19,000   | 10                                                                                 | 44100054 | FK ZYA 2530/6 H ST-BO  |



### Shape SPK

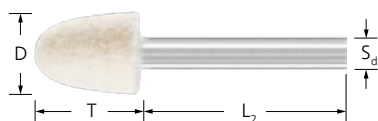
The conical pointed shape SPK is mainly used for pre-polishing and high-gloss polishing of radii and contours.

#### Special features:

- Precise retention of geometric shapes due to the hardness of these tools.
- Can be profiled as desired, meaning they can also be used for tools with complex geometries.

- Outstanding result with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

| D [mm] | T [mm] | S <sub>d</sub> [mm] | L <sub>2</sub> [mm] | Version    | Opt. RPM        | Max. RPM |  | Item no. | Designation     |
|--------|--------|---------------------|---------------------|------------|-----------------|----------|--------------------------------------------------------------------------------------|----------|-----------------|
| 6      | 10     | 3                   | 37                  | M (medium) | 16,000 – 32,000 | 79,500   | 10                                                                                   | 47901120 | FK SPK 0610/3 M |
|        |        |                     |                     | H (hard)   | 16,000 – 32,000 | 79,500   | 10                                                                                   | 44100114 | FK SPK 0610/3 H |
|        | 18     | 3                   | 33                  | M (medium) | 16,000 – 32,000 | 79,500   | 10                                                                                   | 44100118 | FK SPK 0618/3 M |
|        |        |                     |                     | H (hard)   | 16,000 – 32,000 | 79,500   | 10                                                                                   | 44100122 | FK SPK 0618/3 H |
| 8      | 12     | 3                   | 36                  | M (medium) | 12,000 – 24,000 | 59,500   | 10                                                                                   | 44140812 | FK SPK 0812/3 M |
|        |        |                     |                     | H (hard)   | 12,000 – 24,000 | 59,500   | 10                                                                                   | 44100128 | FK SPK 0812/3 H |
| 10     | 18     | 3                   | 33                  | M (medium) | 10,000 – 20,000 | 47,500   | 10                                                                                   | 44171013 | FK SPK 1018/3 M |
|        |        |                     |                     | H (hard)   | 10,000 – 20,000 | 47,500   | 10                                                                                   | 44100130 | FK SPK 1018/3 H |
| 12     | 18     | 3                   | 33                  | M (medium) | 8,000 – 16,000  | 39,500   | 10                                                                                   | 44141218 | FK SPK 1218/3 M |
| 10     | 18     | 6                   | 41                  | M (medium) | 10,000 – 20,000 | 47,500   | 10                                                                                   | 44101691 | FK SPK 1018/6 M |
|        |        |                     |                     | H (hard)   | 10,000 – 20,000 | 47,500   | 10                                                                                   | 44100132 | FK SPK 1018/6 H |
| 15     | 20     | 6                   | 42                  | M (medium) | 6,000 – 12,000  | 31,500   | 10                                                                                   | 44171526 | FK SPK 1520/6 M |
|        | 30     | 6                   | 45                  | M (medium) | 6,000 – 12,000  | 31,500   | 10                                                                                   | 44171536 | FK SPK 1530/6 M |
| 20     | 25     | 6                   | 47                  | M (medium) | 5,000 – 10,000  | 23,500   | 10                                                                                   | 44152025 | FK SPK 2025/6 M |
| 25     | 30     | 6                   | 45                  | M (medium) | 4,000 – 8,000   | 19,000   | 10                                                                                   | 47901128 | FK SPK 2530/6 M |
| 30     | 35     | 6                   | 42                  | M (medium) | 3,200 – 6,350   | 15,500   | 10                                                                                   | 47901129 | FK SPK 3035/6 M |



### Shape KEL

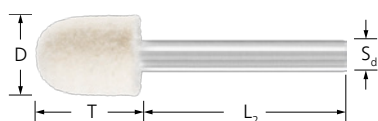
The conical shape KEL is mainly used for pre-polishing and high-gloss polishing of radii.



#### Special features:

- Precise retention of geometric shapes due to the hardness of these tools.
- Can be profiled as desired, meaning they can also be used for tools with complex geometries.
- Outstanding result with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

| D [mm] | T [mm] | S <sub>d</sub> [mm] | L <sub>2</sub> [mm] | Version    | Opt. RPM        | Max. RPM |  | Item no. | Designation     |
|--------|--------|---------------------|---------------------|------------|-----------------|----------|------------------------------------------------------------------------------------|----------|-----------------|
| 6      | 10     | 3                   | 37                  | M (medium) | 16,000 – 32,000 | 79,500   | 10                                                                                 | 47901130 | FK KEL 0610/3 M |
| 10     | 15     | 3                   | 34                  | M (medium) | 10,000 – 20,000 | 47,500   | 10                                                                                 | 47901133 | FK KEL 1015/3 M |
|        |        | 6                   | 40                  | M (medium) | 10,000 – 20,000 | 47,500   | 10                                                                                 | 47901141 | FK KEL 1015/6 M |
| 15     | 20     | 6                   | 42                  | M (medium) | 6,000 – 12,000  | 31,500   | 10                                                                                 | 44151521 | FK KEL 1520/6 M |
| 20     | 25     | 6                   | 47                  | M (medium) | 5,000 – 10,000  | 23,500   | 10                                                                                 | 44182026 | FK KEL 2025/6 M |
|        |        |                     |                     | H (hard)   | 5,000 – 10,000  | 23,500   | 10                                                                                 | 44100190 | FK KEL 2025/6 H |
|        | 30     | 6                   | 45                  | M (medium) | 5,000 – 10,000  | 23,500   | 10                                                                                 | 44100192 | FK KEL 2030/6 M |
|        |        |                     |                     | H (hard)   | 5,000 – 10,000  | 23,500   | 10                                                                                 | 44100193 | FK KEL 2030/6 H |
| 25     | 30     | 6                   | 45                  | M (medium) | 4,000 – 8,000   | 19,000   | 10                                                                                 | 44101711 | FK KEL 2530/6 M |
| 30     | 35     | 6                   | 42                  | M (medium) | 3,200 – 6,350   | 15,500   | 10                                                                                 | 44101721 | FK KEL 3035/6 M |



### Shape WRC

The cylindrical shape with radius end WRC is mainly used for pre-polishing and high-gloss polishing of small, concave contours.



#### Special features:

- Precise retention of geometric shapes due to the hardness of these tools.
- Can be profiled as desired, meaning they can also be used for tools with complex geometries.
- Use diamond polishing pastes and polishing paste bars. Please order separately.

| D [mm] | T [mm] | S <sub>d</sub> [mm] | L <sub>2</sub> [mm] | Version    | Opt. RPM        | Max. RPM |  | Item no. | Designation     |
|--------|--------|---------------------|---------------------|------------|-----------------|----------|--------------------------------------------------------------------------------------|----------|-----------------|
| 6      | 10     | 3                   | 36                  | M (medium) | 16,000 – 32,000 | 79,500   | 10                                                                                   | 47901099 | FK WRC 0610/3 M |
| 8      | 12     | 3                   | 43                  | M (medium) | 12,000 – 24,000 | 59,500   | 10                                                                                   | 44140813 | FK WRC 0812/3 M |
| 10     | 14     | 3                   | 35                  | M (medium) | 10,000 – 20,000 | 47,500   | 10                                                                                   | 44141014 | FK WRC 1014/3 M |
| 15     | 20     | 6                   | 42                  | M (medium) | 6,000 – 12,000  | 31,500   | 10                                                                                   | 44131526 | FK WRC 1520/6 M |
| 20     | 25     | 6                   | 47                  | M (medium) | 5,000 – 10,000  | 23,500   | 10                                                                                   | 44132026 | FK WRC 2025/6 M |
| 25     | 30     | 6                   | 45                  | M (medium) | 4,000 – 8,000   | 19,000   | 10                                                                                   | 44132536 | FK WRC 2530/6 M |





### Shape TRE

The oval shape TRE is mainly used for pre-polishing and high-gloss polishing of small radii.

#### Special features:

- Precise retention of geometric shapes due to the hardness of these tools.
- Can be profiled as desired, meaning they can also be used for tools with complex geometries.
- Outstanding result with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

| D [mm] | T [mm] | S <sub>d</sub> [mm] | L <sub>2</sub> [mm] | Version    | Opt. RPM        | Max. RPM |  | Item no. | Designation     |
|--------|--------|---------------------|---------------------|------------|-----------------|----------|------------------------------------------------------------------------------------|----------|-----------------|
| 6      | 10     | 3                   | 37                  | M (medium) | 16,000 – 32,000 | 79,500   | 10                                                                                 | 44100272 | FK TRE 0610/3 M |
| 8      | 12     | 3                   | 36                  | M (medium) | 12,000 – 24,000 | 59,500   | 10                                                                                 | 44100276 | FK TRE 0812/3 M |
| 10     | 14     | 3                   | 35                  | M (medium) | 10,000 – 20,000 | 47,500   | 10                                                                                 | 44100280 | FK TRE 1014/3 M |
|        |        | 6                   | 43                  | M (medium) | 10,000 – 20,000 | 47,500   | 10                                                                                 | 44101681 | FK TRE 1014/6 M |



### Shape WKN

The tapered shape WKN is mainly used for pre-polishing and high-gloss polishing of interior angles.

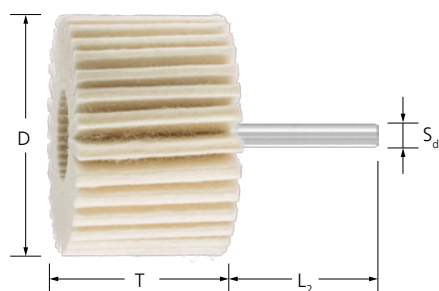
#### Special features:

- Precise retention of geometric shapes due to the hardness of these tools.
- Can be profiled as desired, meaning they can also be used for tools with complex geometries.
- Outstanding result with diamond polishing pastes and polishing paste bars from PFERD TOOLS. Please order separately.

| D [mm] | T [mm] | S <sub>d</sub> [mm] | L <sub>2</sub> [mm] | Version    | Opt. RPM        | Max. RPM |  | Item no. | Designation     |
|--------|--------|---------------------|---------------------|------------|-----------------|----------|--------------------------------------------------------------------------------------|----------|-----------------|
| 10     | 15     | 3                   | 32                  | M (medium) | 10,000 – 20,000 | 47,500   | 10                                                                                   | 44100326 | FK WKN 1015/3 M |
| 12     | 12     | 3                   | 36                  | M (medium) | 8,000 – 16,000  | 39,500   | 10                                                                                   | 44100330 | FK WKN 1212/3 M |
|        |        |                     |                     | H (hard)   | 8,000 – 16,000  | 39,500   | 10                                                                                   | 44100334 | FK WKN 1212/3 H |
| 15     | 15     | 3                   | 32                  | M (medium) | 6,000 – 12,000  | 31,500   | 10                                                                                   | 44100336 | FK WKN 1515/3 M |
|        |        |                     |                     | H (hard)   | 6,000 – 12,000  | 31,500   | 10                                                                                   | 44100338 | FK WKN 1515/3 H |
| 20     | 16     | 3                   | 28                  | M (medium) | 5,000 – 10,000  | 23,500   | 10                                                                                   | 44100340 | FK WKN 2016/3 M |
|        |        | 6                   | 38                  | M (medium) | 5,000 – 10,000  | 23,500   | 10                                                                                   | 44152016 | FK WKN 2016/6 M |

# Polishing tools

## Mounted felt flap wheels



### FLS

Mounted felt flap wheels are used for pre-polishing and high-gloss polishing on small to medium-sized components.

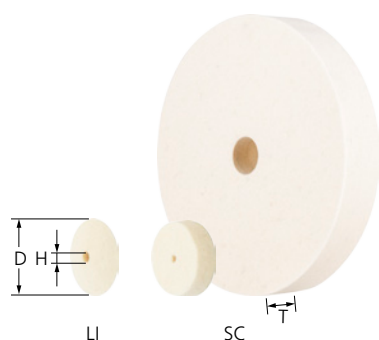


#### Special features:

- Highly flexible, enabling optimal adjustment to the contour. Low thermal load on 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 [mm] | T [mm] | S <sub>d</sub> [mm] | L <sub>2</sub> [mm] | Version  | Opt. RPM | Max. RPM |   | Item no. | Designation  |
|--------|--------|---------------------|---------------------|----------|----------|----------|---|----------|--------------|
| 30     | 20     | 6                   | 40                  | W (soft) | 6,300    | 20,000   | 5 | 44383020 | FLS 3020/6 W |
|        |        |                     |                     | H (hard) | 6,300    | 20,000   | 5 | 44383021 | FLS 3020/6 H |
| 40     | 20     | 6                   | 40                  | W (soft) | 4,750    | 15,000   | 5 | 44384020 | FLS 4020/6 W |
|        |        |                     |                     | H (hard) | 4,750    | 15,000   | 5 | 44384021 | FLS 4020/6 H |
| 50     | 30     | 6                   | 40                  | W (soft) | 3,800    | 12,000   | 5 | 44385030 | FLS 5030/6 W |
|        |        |                     |                     | H (hard) | 3,800    | 12,000   | 5 | 44385031 | FLS 5030/6 H |
| 60     | 40     | 6                   | 40                  | W (soft) | 3,150    | 10,000   | 5 | 44386040 | FLS 6040/6 W |
|        |        |                     |                     | H (hard) | 3,150    | 10,000   | 5 | 44386041 | FLS 6040/6 H |
| 80     | 50     | 6                   | 40                  | W (soft) | 2,400    | 7,500    | 5 | 44388050 | FLS 8050/6 W |
|        |        |                     |                     | H (hard) | 2,400    | 7,500    | 5 | 44388051 | FLS 8050/6 H |

## Felt wheels and lenses FK SC/LI



### FK SC/LI

Felt wheels and lenses are mainly used peripherally.



#### Special features:

- Precise retention of geometric shapes due to the hardness of these tools.
- Use diamond polishing pastes and polishing paste bars. Please order polishing pastes and compatible arbor separately.

| D [mm]        | T [mm] | H [mm] | Version    | Opt. RPM       | Max. RPM | Suitable arbors      |    | Item no. | Designation    |
|---------------|--------|--------|------------|----------------|----------|----------------------|----|----------|----------------|
| <b>Lenses</b> |        |        |            |                |          |                      |    |          |                |
| 17            | 5      | 2      | H (hard)   | 5,600 – 11,000 | 28,000   | BO 2,3/1-6, BO 3/1,6 | 10 | 44367008 | FK LI 1705/2 H |
| 22            | 5      | 2      | H (hard)   | 4,300 – 8,650  | 21,700   | BO 2,3/1-6, BO 3/1,6 | 10 | 44367009 | FK LI 2205/2 H |
| <b>Discs</b>  |        |        |            |                |          |                      |    |          |                |
| 17            | 5      | 2      | M (medium) | 5,600 – 11,000 | 28,000   | BO 2,3/1-6, BO 3/1,6 | 10 | 44367005 | FK SC 1705/2 M |
| 20            | 5      | 2      | M (medium) | 5,000 – 10,000 | 23,500   | BO 2,3/1-6, BO 3/1,6 | 10 | 44367006 | FK SC 2005/2 M |

Continued on next page

# Polishing tools

## Felt wheels and lenses FK SC/LI



| D<br>[mm] | T<br>[mm] | H<br>[mm] | Version           | Opt. RPM      | Max.<br>RPM | Suitable arbors         |  | Item no. | Designation       |
|-----------|-----------|-----------|-------------------|---------------|-------------|-------------------------|-------------------------------------------------------------------------------------|----------|-------------------|
| 30        | 5         | 2         | M (medium)        | 3,000 – 6,000 | 20,000      | BO 2,3/1-6,<br>BO 3/1,6 | 10                                                                                  | 44367007 | FK SC 3005/2 M    |
|           | 7         | 6         | M (medium)        | 3,000 – 6,000 | 20,000      | BO 6/6 3-10             | 5                                                                                   | 44101742 | FK SC 3007/6 M    |
| 45        | 9         | 6         | M (medium)        | 2,000 – 4,000 | 13,500      | BO 6/6 3-10             | 5                                                                                   | 44101732 | FK SC 4509/6 M    |
| 60        | 10        | 6         | M (medium)        | 1,500 – 3,000 | 10,000      | BO 6/6 3-10             | 5                                                                                   | 44316010 | FK SC 6010/6 M    |
| 80        | 10        | 10        | M (medium)        | 1,000 – 2,000 | 7,500       | BO 8/10                 | 5                                                                                   | 44367010 | FK SC 8010/10 M   |
|           |           |           | MS (metal insert) | 1,000 – 2,000 | 7,500       | BO 8/10                 | 5                                                                                   | 44330801 | FK SC 8010/10 MS  |
| 100       | 20        | 10        | M (medium)        | 900 – 1,800   | 6,100       | BO 8/10                 | 1                                                                                   | 44367110 | FK SC 10020/10 M  |
|           |           |           | MS (metal insert) | 900 – 1,800   | 6,100       | BO 8/10                 | 1                                                                                   | 44331002 | FK SC 10020/10 MS |
| 125       | 20        | 20        | M (medium)        | 750 – 1,500   | 4,900       | BO 12/20,<br>BO MK 1/20 | 1                                                                                   | 44367220 | FK SC 12520/20 M  |
|           |           |           | MS (metal insert) | 750 – 1,500   | 4,900       | BO 12/20,<br>BO MK 1/20 | 1                                                                                   | 44331252 | FK SC 12520/20 MS |
| 150       | 25        | 20        | M (medium)        | 600 – 1,200   | 4,000       | BO 12/20,<br>BO MK 1/20 | 1                                                                                   | 44367320 | FK SC 15025/20 M  |
| 200       | 30        | 20        | M (medium)        | 500 – 1,000   | 3,000       | BO 12/20,<br>BO MK 1/20 | 1                                                                                   | 44367420 | FK SC 20030/20 M  |



## Felt flap discs FFS



### FFS

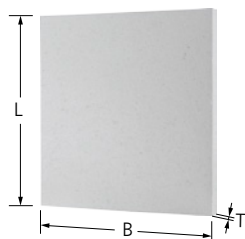
Felt flap discs are used for pre-polishing and high-gloss polishing on medium-sized to large components.



#### Special features:

- Highly flexible, enabling optimal adjustment to the contour. Low thermal load on the workpiece.
- Use a polishing paste bar. Please order separately.

| D<br>[mm] | T<br>[mm] | H<br>[mm] | Version  | Opt. RPM | Max. RPM |  | Item no. | Designation     |
|-----------|-----------|-----------|----------|----------|----------|--------------------------------------------------------------------------------------|----------|-----------------|
| 115       | 22        | 22.23     | W (soft) | 1,650    | 8,350    | 5                                                                                    | 44370115 | FFS 115/22,23 W |
|           |           |           | H (hard) | 1,650    | 8,350    | 5                                                                                    | 44371115 | FFS 115/22,23 H |
| 125       | 22        | 22.23     | W (soft) | 1,500    | 7,650    | 5                                                                                    | 44370125 | FFS 125/22,23 W |
|           |           |           | H (hard) | 1,500    | 7,650    | 5                                                                                    | 44371125 | FFS 125/22,23 H |



### FK P

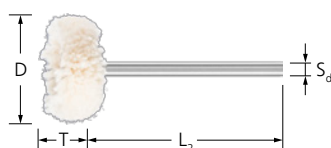
Felt sheets are suited to a very wide variety of manual polishing applications.

#### Special features:

- Can be profiled as desired, meaning they can also be used for tools with complex geometries.
- Depending on the requirements, can be cut or punched into any shape (e.g. rectangle, square, stick or wheel) quickly and easily.

| L<br>[mm] | B<br>[mm] | T<br>[mm] | Version    |  | Item no. | Designation       |
|-----------|-----------|-----------|------------|-----------------------------------------------------------------------------------|----------|-------------------|
| 250       | 250       | 3         | M (medium) | 1                                                                                 | 44101100 | FK P 250-250-3 M  |
|           |           | 6         | M (medium) | 1                                                                                 | 44101102 | FK P 250-250-6 M  |
|           |           |           | H (hard)   | 1                                                                                 | 44101104 | FK P 250-250-6 H  |
|           |           | 12        | M (medium) | 1                                                                                 | 44101106 | FK P 250-250-12 M |
|           |           |           | H (hard)   | 1                                                                                 | 44101108 | FK P 250-250-12 H |

## Cloth rings



### Shank-mounted cloth rings, cotton type

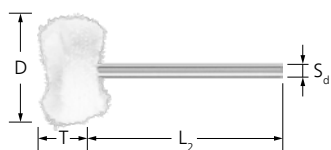
For pre-polishing and high-gloss polishing with polishing pastes in tool and mould-making. Highly flexible, enabling optimal adjustment to the contour. Please order corresponding polishing pastes and arbor separately.



#### Special features:

- Very fine high-gloss polishing, dust removal and buffing.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Opt. RPM | Max. RPM |  | Item no. | Designation  |
|-----------|-----------|------------------------|------------------------|----------|----------|--------------------------------------------------------------------------------------|----------|--------------|
| 22        | 10        | 3                      | 40                     | 13,000   | 17,350   | 10                                                                                   | 44270227 | TR 2210/3 BW |



### Shank-mounted cloth rings, felt cloth type

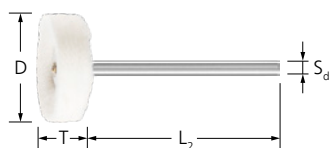
For pre-polishing and high-gloss polishing with polishing pastes in tool and mould-making. Highly flexible, enabling optimal adjustment to the contour. Please order corresponding polishing pastes and arbor separately.

#### Special features:

- Pre-polishing and gloss polishing in combination with appropriate polishing pastes.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Opt. RPM | Max. RPM |  | Item no. | Designation  |
|-----------|-----------|------------------------|------------------------|----------|----------|--------------------------------------------------------------------------------------|----------|--------------|
| 22        | 10        | 3                      | 40                     | 13,000   | 17,350   | 10                                                                                   | 44270228 | TR 2210/3 FZ |





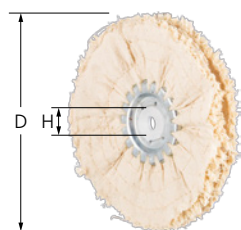
### Shank-mounted cloth rings, flannel type

For pre-polishing and high-gloss polishing with polishing pastes in tool and mould-making. Highly flexible, enabling optimal adjustment to the contour. Please order corresponding polishing pastes and arbor separately.

#### Special features:

- Buffing, gloss polishing and high-gloss polishing in combination with the appropriate polishing pastes.

| D<br>[mm] | T<br>[mm] | S <sub>d</sub><br>[mm] | L <sub>2</sub><br>[mm] | Opt. RPM | Max. RPM |  | Item no. | Designation  |
|-----------|-----------|------------------------|------------------------|----------|----------|------------------------------------------------------------------------------------|----------|--------------|
| 22        | 10        | 3                      | 40                     | 13,000   | 17,350   | 10                                                                                 | 44270229 | TR 2210/3 FL |



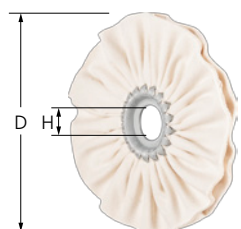
### Cloth rings with hole, ST type

For coarse pre-polishing with polishing pastes. Please order corresponding polishing pastes and arbor separately.

#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- The sisal cloth enables coarse pre-polishing.

| D<br>[mm] | Usage<br>width<br>[mm] | H<br>[mm] | Opt. RPM | Max. RPM | Suitable arbors      |  | Item no. | Designation    |
|-----------|------------------------|-----------|----------|----------|----------------------|------------------------------------------------------------------------------------|----------|----------------|
| 80        | 10                     | 10        | 2,500    | 7,500    | BO 8/10              | 5                                                                                  | 44270802 | TR 8010-10 ST  |
| 100       | 10                     | 10        | 1,900    | 6,100    | BO 8/10              | 5                                                                                  | 44271003 | TR 10010-10 ST |
| 125       | 10                     | 10        | 1,300    | 4,900    | BO 12/20, BO MK 1/20 | 5                                                                                  | 44271253 | TR 12510-10 ST |
| 150       | 10                     | 20        | 1,250    | 4,000    | BO 12/20, BO MK 1/20 | 5                                                                                  | 44271503 | TR 15010-20 ST |
| 200       | 10                     | 20        | 950      | 3,000    | BO 12/20, BO MK 1/20 | 5                                                                                  | 44272003 | TR 20010-20 ST |



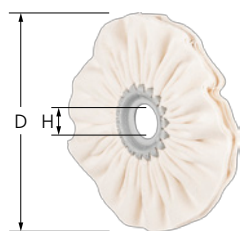
### Cloth rings with hole, TH type

For pre-polishing with polishing pastes. Please order corresponding polishing pastes and arbor separately.

#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- The hard cloth enables pre-polishing.

| D<br>[mm] | Usage<br>width<br>[mm] | H<br>[mm] | Opt. RPM | Max. RPM | Suitable arbors      |  | Item no. | Designation    |
|-----------|------------------------|-----------|----------|----------|----------------------|--------------------------------------------------------------------------------------|----------|----------------|
| 50        | 10                     | 6         | 3,800    | 12,000   | BO 6/6 3-10          | 5                                                                                    | 44270503 | TR 5010-6 TH   |
| 80        | 10                     | 10        | 2,500    | 7,500    | BO 8/10              | 5                                                                                    | 44270803 | TR 8010-10 TH  |
| 100       | 10                     | 10        | 1,900    | 6,100    | BO 8/10              | 5                                                                                    | 44271004 | TR 10010-10 TH |
| 125       | 10                     | 20        | 1,300    | 4,900    | BO 12/20, BO MK 1/20 | 5                                                                                    | 44271254 | TR 12510-20 TH |
| 150       | 10                     | 20        | 1,250    | 4,000    | BO 12/20, BO MK 1/20 | 5                                                                                    | 44271504 | TR 15010-20 TH |
| 200       | 10                     | 20        | 950      | 3,000    | BO 12/20, BO MK 1/20 | 5                                                                                    | 44272004 | TR 20010-20 TH |



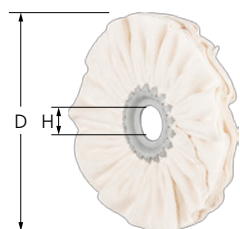
### Cloth rings with hole, TW type

For high-gloss polishing with polishing pastes. Please order polishing pastes and arbor separately.

#### Special features:

- The soft cloth enables high-gloss polishing.
- Highly flexible, enabling optimal adjustment to the contour.

| D<br>[mm] | Usage<br>width<br>[mm] | H<br>[mm] | Opt. RPM | Max. RPM | Suitable arbors      |  | Item no. | Designation    |
|-----------|------------------------|-----------|----------|----------|----------------------|------------------------------------------------------------------------------------|----------|----------------|
| 50        | 10                     | 6         | 3,800    | 12,000   | BO 6/6 3-10          | 5                                                                                  | 44270504 | TR 5010-6 TW   |
| 80        | 10                     | 10        | 2,500    | 7,500    | BO 8/10              | 5                                                                                  | 44270804 | TR 8010-10 TW  |
| 100       | 10                     | 10        | 1,900    | 6,100    | BO 8/10              | 5                                                                                  | 44271005 | TR 10010-10 TW |
| 125       | 10                     | 20        | 1,300    | 4,900    | BO 12/20, BO MK 1/20 | 5                                                                                  | 44271255 | TR 12510-20 TW |
| 150       | 10                     | 20        | 1,250    | 4,000    | BO 12/20, BO MK 1/20 | 5                                                                                  | 44271505 | TR 15010-20 TW |
| 200       | 10                     | 20        | 950      | 3,000    | BO 12/20, BO MK 1/20 | 5                                                                                  | 44272005 | TR 20010-20 TW |



### Cloth rings with hole, FL type

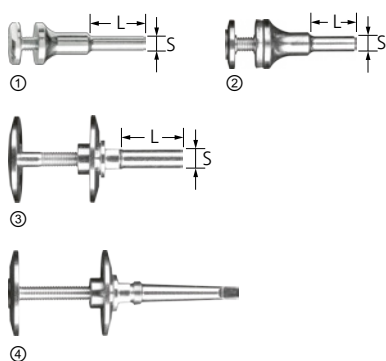
For high-gloss polishing with polishing pastes. Please order polishing pastes and arbor separately.

#### Special features:

- Highly flexible, enabling optimal adjustment to the contour.
- The flannel cloth enables high-gloss polishing and buffing.

| D<br>[mm] | Usage<br>width<br>[mm] | H<br>[mm] | Opt. RPM | Max. RPM | Suitable arbors      |  | Item no. | Designation    |
|-----------|------------------------|-----------|----------|----------|----------------------|--------------------------------------------------------------------------------------|----------|----------------|
| 50        | 10                     | 6         | 3,800    | 12,000   | BO 6/6 3-10          | 5                                                                                    | 44270505 | TR 5010-6 FL   |
| 80        | 10                     | 10        | 2,500    | 7,500    | BO 8/10              | 5                                                                                    | 44270805 | TR 8010-10 FL  |
| 100       | 10                     | 10        | 1,900    | 6,100    | BO 8/10              | 5                                                                                    | 44271006 | TR 10010-10 FL |
| 125       | 10                     | 20        | 1,300    | 4,900    | BO 12/20, BO MK 1/20 | 5                                                                                    | 44271256 | TR 12510-20 FL |
| 150       | 10                     | 20        | 1,250    | 4,000    | BO 12/20, BO MK 1/20 | 5                                                                                    | 44271506 | TR 15010-20 FL |
| 200       | 10                     | 20        | 950      | 3,000    | BO 12/20, BO MK 1/20 | 5                                                                                    | 44272006 | TR 20010-20 FL |

## Arbor



### Arbor for felt wheels and cloth rings BO

Matching arbors for felt wheels and cloth rings.

#### Special features:

- High economic efficiency as tool can be changed quickly.

| Image | Suitable for<br>hole diameter<br>[mm] | S<br>[mm] | L<br>[mm] | Clamping<br>range<br>[mm] |  | Item no. | Designation      |
|-------|---------------------------------------|-----------|-----------|---------------------------|-------------------------------------------------------------------------------------|----------|------------------|
| ①     | 6                                     | 6         | 25        | 3 – 10                    | 1                                                                                   | 42400006 | BO 6/6 3-10      |
| ②     | 10                                    | 8         | 30        | 6 – 20                    | 1                                                                                   | 42400008 | BO 8/10 6-20     |
| ③     | 20                                    | 12        | 35        | 10 – 50                   | 1                                                                                   | 42400012 | BO 12/20 10-50   |
| ④     | 20                                    | -         | -         | 10 – 50                   | 1                                                                                   | 42400062 | BO MK 1/20 10-50 |

# Grinding oils and polishing pastes

## Grinding and polishing pastes



### Grinding pastes SFP

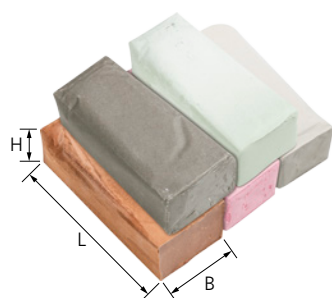
Oil-soluble grinding pastes with sharp-edged silicon carbide grain (SiC) for very fine grinding work, e.g. grinding in valve seats, shaft bearings and as preparation for polishing with felt polishing tools and cloth rings.



#### Special features:

- High productivity.
- Quick results.
- Coordinated system.

| Grit size | Contents [g] |  | Item no. | Designation |
|-----------|--------------|-----------------------------------------------------------------------------------|----------|-------------|
| 90        | 250          | 1                                                                                 | 44220090 | SFP 90      |
| 150       | 250          | 1                                                                                 | 44220150 | SFP 150     |
| 280       | 250          | 1                                                                                 | 44220280 | SFP 280     |
| 360       | 250          | 1                                                                                 | 44220360 | SFP 360     |
| 600       | 250          | 1                                                                                 | 44220600 | SFP 600     |
| 800       | 250          | 1                                                                                 | 44220800 | SFP 800     |



### Polishing paste bar PP

Polishing pastes for felt tools and cloth rings for pre-polishing and high-gloss polishing. To achieve very smooth surface finishes, use pre-polishing paste (VP) and high-gloss polishing paste (HGP) one after the other. The polishing pastes have high productivity and lead to quick results.



#### Special features:

- PP 1, PP 2, PP 3: Use cloth rings in the ST (sisal cloth) version for coarse pre-polishing, and cloth rings in the TH (hard cloth) version for pre-polishing.
- 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 [g] | Colour | B [mm] | H [mm] | L [mm] |  | Item no. | Designation |
|---------|---------|--------------|--------|--------|--------|--------|--------------------------------------------------------------------------------------|----------|-------------|
|---------|---------|--------------|--------|--------|--------|--------|--------------------------------------------------------------------------------------|----------|-------------|

#### Bulk pack

|                      |                    |       |       |    |    |     |   |          |                       |
|----------------------|--------------------|-------|-------|----|----|-----|---|----------|-----------------------|
| Pre-polishing        | Steel + INOX       | 1,100 | green | 70 | 50 | 140 | 1 | 44250001 | G-PP 1 VP STEELOX     |
|                      | Aluminium + brass  | 1,300 | grey  | 70 | 50 | 140 | 1 | 44250002 | G-PP 2 VP ALU         |
|                      | Non-ferrous metals | 1,150 | brown | 70 | 50 | 140 | 1 | 44250003 | G-PP 3 VP NON-FERROUS |
| High-gloss polishing | All metals         | 1,150 | pink  | 70 | 50 | 140 | 1 | 44250004 | G-PP 4 HGP UNIVERSAL  |
|                      | Plastics           | 1,100 | beige | 70 | 50 | 140 | 1 | 44250005 | G-PP 5 HGP PLAST      |

#### Small pack

|                      |                    |     |       |    |    |    |   |          |                       |
|----------------------|--------------------|-----|-------|----|----|----|---|----------|-----------------------|
| Pre-polishing        | Steel + INOX       | 108 | green | 25 | 30 | 90 | 1 | 44250006 | K-PP 1 VP STEELOX     |
|                      | Aluminium + brass  | 142 | grey  | 25 | 30 | 90 | 1 | 44250007 | K-PP 2 VP ALU         |
|                      | Non-ferrous metals | 111 | brown | 25 | 30 | 90 | 1 | 44250008 | K-PP 3 VP NON-FERROUS |
| High-gloss polishing | All metals         | 132 | pink  | 25 | 30 | 90 | 1 | 44250009 | K-PP 4 HGP UNIVERSAL  |
|                      | Plastics           | 104 | beige | 25 | 30 | 90 | 1 | 44250010 | K-PP 5 HGP PLAST      |

# Grinding oils and polishing pastes

## Diamond polishing pastes



### Diamond polishing pastes

Diamond polishing pastes guarantee quick and efficient work, particularly in tool-making and mould-making. For working on very hard materials, e.g. tungsten carbide and hardened steels. For use with felt polishing cones or wheels.

#### Special features:

- Can be thinned and dissolved with water and alcohol.
- High productivity. Quick results. Coordinated selections of grits.

| Grit size [µm]            | Contents [g] | Colour of sealing cap |  | Item no. | Designation |
|---------------------------|--------------|-----------------------|-----------------------------------------------------------------------------------|----------|-------------|
| <b>DPP</b>                |              |                       |                                                                                   |          |             |
| 30 (coarse) = P 500       | 5            | brown                 | 1                                                                                 | 44240030 | DPP 30-5    |
|                           | 20           | brown                 | 1                                                                                 | 44240130 | DPP 30-20   |
| 15 (medium) = P 1200      | 5            | blue                  | 1                                                                                 | 44240015 | DPP 15-5    |
|                           | 20           | blue                  | 1                                                                                 | 44240115 | DPP 15-20   |
| 10 (medium-fine) = P 2000 | 5            | light blue            | 1                                                                                 | 44240010 | DPP 10-5    |
|                           | 20           | light blue            | 1                                                                                 | 44240011 | DPP 10-20   |
| 7 (fine) = P 3000         | 5            | red                   | 1                                                                                 | 44240007 | DPP 7-5     |
|                           | 20           | red                   | 1                                                                                 | 44240107 | DPP 7-20    |
| 3 (very fine) = P 5000    | 5            | green                 | 1                                                                                 | 44240003 | DPP 3-5     |
|                           | 20           | green                 | 1                                                                                 | 44240103 | DPP 3-20    |
| 1 (ultra-fine) = P 14000  | 5            | yellow                | 1                                                                                 | 44240001 | DPP 1-5     |
|                           | 20           | yellow                | 1                                                                                 | 44240002 | DPP 1-20    |

### ECO DPP

|                           |    |            |   |          |               |
|---------------------------|----|------------|---|----------|---------------|
| 30 (coarse) = P 500       | 10 | brown      | 1 | 44240202 | DPP ECO 30-10 |
| 15 (medium) = P 1200      | 10 | blue       | 1 | 44240192 | DPP ECO 15-10 |
| 10 (medium-fine) = P 2000 | 10 | light blue | 1 | 44240182 | DPP ECO 10-10 |
| 7 (fine) = P 3000         | 10 | red        | 1 | 44240172 | DPP ECO 7-10  |
| 3 (very fine) = P 5000    | 10 | green      | 1 | 44240162 | DPP ECO 3-10  |
| 1 (ultra-fine) = P 14000  | 10 | yellow     | 1 | 44240152 | DPP ECO 1-10  |



### Special diluent for diamond polishing pastes PSP

The thinner is used to keep the lubricating layer between the support and the workpiece consistent during polishing work.

#### Special features:

- The diluent should be used extremely sparingly.
- Excessive use of the special diluent will wash out the diamond grit from the paste, thus diminishing polishing performance.

| Contents [ml] |  | Item no. | Designation |
|---------------|-------------------------------------------------------------------------------------|----------|-------------|
| 125           | 1                                                                                   | 44250125 | PSP 125     |



# Grinding oils and polishing pastes

## Grinding oils



### Grinding oil for steel

Grinding oil for use in applications with coated abrasive tools on steel. They increase the tool life and reduce heat build-up thanks to lubrication and cooling.



#### Special features:

- Protects against corrosion.
- Fewer chips adhere to the abrasive coating and a better surface is achieved.

| Use for            | Contents [ml] |  | Item no. | Designation |
|--------------------|---------------|-----------------------------------------------------------------------------------|----------|-------------|
| <b>Aerosol can</b> |               |                                                                                   |          |             |
| Steel              | 400           | 1                                                                                 | 42200001 | 410 Fe      |
| <b>Canister</b>    |               |                                                                                   |          |             |
| Steel              | 1,000         | 1                                                                                 | 42200003 | 410/1 Fe    |
|                    | 5,000         | 1                                                                                 | 42200004 | 410/5 Fe    |



### Grinding oil for stainless steel (INOX)

Grinding oil for use in applications with coated abrasive tools on non-ferrous metals and stainless steel. They increase the tool life and reduce heat build-up thanks to lubrication and cooling.

#### Special features:

- Prevents the workpiece from becoming stained with unwanted marks, especially on stainless steel surfaces.
- Fewer chips adhere to the abrasive coating and a better surface is achieved.

| Use for                  | Contents [ml] |  | Item no. | Designation |
|--------------------------|---------------|-------------------------------------------------------------------------------------|----------|-------------|
| <b>Aerosol can</b>       |               |                                                                                     |          |             |
| Non-ferrous metals, INOX | 400           | 1                                                                                   | 42200002 | 411 NE      |
| <b>Bottle/canister</b>   |               |                                                                                     |          |             |
| Non-ferrous metals, INOX | 1,000         | 1                                                                                   | 42200005 | 411/1 NE    |
|                          | 5,000         | 1                                                                                   | 42200006 | 411/5 NE    |

# Grinding oils and polishing pastes

## Grinding oils



### Grinding oil for ALU

Grinding oil for use in applications with coated abrasive tools on aluminium. They increase the tool life and reduce heat build-up thanks to lubrication and cooling.

#### Special features:

- Stops the grinding tool clogging up.
- Fewer chips adhere to the abrasive coating and a better surface is achieved.

| Use for                | Contents [ml] |  | Item no. | Designation |
|------------------------|---------------|-----------------------------------------------------------------------------------|----------|-------------|
| <b>Aerosol can</b>     |               |                                                                                   |          |             |
| Aluminium              | 400           | 1                                                                                 | 42200007 | 412 ALU     |
| <b>Bottle/canister</b> |               |                                                                                   |          |             |
| Aluminium              | 1,000         | 1                                                                                 | 42200008 | 412/1 ALU   |
|                        | 5,000         | 1                                                                                 | 42200009 | 412/5 ALU   |

## Cleaner



### Universal cleaner UC-S

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:

- Biodegradable surfactants.
- Short drying time. Non-combustible.
- Versatile.

| Contents [ml] |  | Item no. | Designation |
|---------------|-------------------------------------------------------------------------------------|----------|-------------|
| 500           | 1                                                                                   | 42200060 | UC-S 500    |



### INOX SHINER IS-S maintenance product

Maintenance product for protecting and caring for stainless steel (INOX), aluminium, 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 [ml] |  | Item no. | Designation          |
|---------------|-------------------------------------------------------------------------------------|----------|----------------------|
| 500           | 1                                                                                   | 42200055 | INOX SHINER IS-S 500 |

