

Micro motor system

Versatile, efficient and highly cost-effective



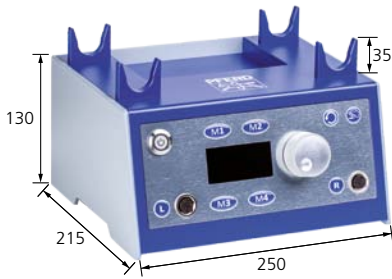
TRUST BLUE

- Stepless rotational speed from 80 000–1 000 RPM
- Powerful stroke
- Fast tool change

Micro motor system

Micro motor system MIM STG3S 3/800



MIM STG3S 3/800 80,000–1,000 RPM / 350 watts



PFERDVALUE:



Special features:

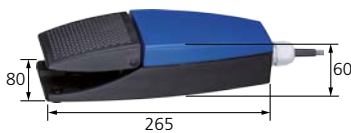
- Control device for stepless rotational speed control of micro motor handpieces.
- Rotational speed control is possible by hand or foot switch.
- Max. 80,000 RPM clockwise rotation.
- Max. 30,000 RPM anti-clockwise rotation.
- 2 switchable connection sockets for micro motor handpieces.
- 4 free rotational speed storage spaces per connected handpiece.
- Protectively earthed. 
- Safety extra-low voltage. 

Assembly according to application requirement.

Included in delivery:

2 m power cable, 2 handpiece supports.

Vario foot switch*
MIM FU-R



On/off foot switch
MIM FU-E/A



Extension cable
MIM VLK HAS/WZS 3 m



Description	EAN 4007220	For micro motor handpieces [RPM]	Voltage [volts] 50–60 Hz	Output voltage [volts]	Net weight [kg]
MIM STG3S 3/800 230 V	101889	80,000–1,000	230 V	50	2.980
MIM FU-R	071250	-	5 V	-	0.845
MIM FU-E/A	104033	-	5 V	-	0.310
MIM VLK HAS/WZS 3 m	071403	-	-	-	0.152


*Vario = stepless rotational speed control

Micro motor handpiece

MIM HAS 3/800 SP3 80,000–1,000 RPM / 350 watts



Special features:

- This handpiece is only compatible with the STG3S.
- High power stability.
- Very high rotation accuracy.
- SP = keyless fast clamping system with highest clamping force.
- Brushless motor.
- Start interlock without clamped tools.
- Extremely energy-efficient and quiet in comparison to air grinders.
- Safety extra-low voltage. 

Included in delivery:

2 keys, 3 mm collet, 1.8 m handpiece cable.

Ordering notes:

- SP = keyless fast clamping system.
- For tool recommendations, see page 4.

PFERDVALUE:




Description	EAN 4007220	Rotational speed [RPM]	Low voltage [volts]	Power consumption [watts]	Power output [watts]	Collet group	Net weight [kg]
MIM HAS 3/800 SP3	101896	80,000–1,000	50	350	approx. 180	17	0.330

Collets

Group	For shank dia.		
	2.35 mm	3 mm	1/8 inch
	EAN 4007220		
17	071465	071458	071472

Micro motor handpieces

 Choose further matching handpieces for your individual application. Information and ordering data for micro motor handpieces can be found on page 3.

MIM HAS 2/600 SP3



MIM HAS 3/600 S3



MIM HAS 1/500 SP3



MIM WZS 3/300 90° S3



MIM HAS 3/600 SP3



MIM HAS 3/600 S6



MIM HAS 3/500 VS-SP3



MIM WZS 3/300 45° S3



60,000–1,000 RPM / 260 watts


50,000–1,000 RPM / 260 watts

30,000–1,000 RPM / 260 watts

PFERDVALUE:

MIM HAS 2/600 SP3, MIM HAS 3/600 SP3,
MIM HAS 1/500 SP3, MIM HAS 3/500 VS-SP3



- Start/stop switch on handpiece.
- Automatic speed limitation.
- Brushless motor.
- Start interlock without clamped tools.
- Very high concentricity speed.
- Very quiet.
- Safety extra-low voltage. 

MIM HAS 3/600 S3, MIM HAS 3/600 S6,
MIM WZS 3/300 90° S3, MIM WZS 3/300 45° S3



Included in delivery:


1.8 m handpiece cable length, 2 keys,
3 or 6 mm collet.

Ordering notes:

- SP = keyless fast clamping system.
- S = changing tools with 2 keys.
- VS = with extended spindle.

Description	EAN 4007220	Rotational speed [RPM]	Low voltage [volts]	Power consumption [watts]	Power output [watts]	Collet group	Keys	Net weight [kg]
MIM HAS 2/600 SP3	071274	60,000–1,000	36/50	260	150	17	4	0.260
MIM HAS 3/600 SP3	071281	60,000–1,000	36/50	260	150	17	4, 5	0.315
MIM HAS 3/600 S3	071304	60,000–1,000	36/50	260	150	19	2, 7	0.393
MIM HAS 3/600 S6	071311	60,000–1,000	36/50	260	150	19	2, 7	0.405
MIM HAS 1/500 SP3	071267	50,000–1,000	36/50	260	120	17	3, 4	0.270
MIM HAS 3/500 VS-SP3	071298	50,000–1,000	36/50	260	150	17	4, 5	0.325
MIM WZS 3/300 90° S3	071328	30,000–1,000	36/50	260	120	18	1, 6	0.238
MIM WZS 3/300 45° S3	071342	30,000–1,000	36/50	260	120	18	1, 6	0.185

Keys

(1)	Item no.	Description	EAN 4007220
			
(2)			
(3)			
(4)			
(5)			
(6)			
(7)			
	1	MIM ARH	071359
	2	DM SW 10/10MM	071366
	3	SKS SW 1,5MM	071373
	4	MIM SPS DK D7	071410
	5	MIM ARS HA D23,5	071434
	6	DM SW 4/4MM	071441
	7	MIM-DSTS SW11XD2,4MM	072158

Collets

Group	For shank dia.			
	2.35 mm	3 mm	6 mm	1/8 inch
	EAN 4007220			
17	071465	071458	-	071472
18	071496	071489	-	071502
19	-	071526	071519	-

Tool mounting		Rot. speed	Drives	Catalogue section 2	Catalogue section 3*	Catalogue section 4*	Catalogue section 5	Catalogue section 8					
Rot. speed range				13,000–80,000 RPM	25,000–80,000 RPM	2,000–80,000 RPM	7,000–80,000 RPM	1,200–15,000 RPM					
Dia. 2.35 mm + 3 mm	1,000–80,000 RPM	MIM HA 3/800 SP3	TC burrs Cut 3 PLUS, 4, 5, ALU, INOX, MICRO Dia. up to 3 mm Shank dia. 3 mm	Mounted points Shank dia. 3 mm: Dia. up to 5 mm Dia. 5 to 6 mm Width ≤ 13 mm Dia. 6 to 10 mm Width ≤ 10 mm	Poliflex fine grinding points Shank dia. 3 mm Bonds: GHR Dia. up to 4 mm LR, TX Dia. up to 6 mm		Diamond grinding points Dia. up to 4.5 mm Shank dia. 3 mm CBN grinding points Dia. up to 5.5 mm Shank dia. 3 mm	Miniature shank-mounted end brushes crimped PBU dia. 5 mm Miniature shank-mounted wheel brushes crimped RBU dia. 16 to 22 mm Miniature shank-mounted cup brushes crimped TBU dia. 15 to 18 mm					
Rot. speed range				13,000–60,000 RPM	25,000–60,000 RPM	2,000–60,000 RPM	7,000–60,000 RPM	1,200–15,000 RPM					
Dia. 2.35 mm + 3 mm	1,000–60,000 RPM	MIM HAS 2/600 SP3 MIM HAS 3/600 SP3 MIM HAS 3/600 S3	TC burrs Cut 3 PLUS, 4, 5, ALU, INOX, TITANIUM, MICRO Dia. up to 6 mm Shank dia. 3 mm HSS rotary cutters Special cuts Dia. up to 1.6 mm Shank dia. 3 mm	Mounted points Shank dia. 3 mm: Dia. 2 to 10 mm Width ≤ 16 mm Dia. 11 to 25 mm Width ≤ 6 mm	POLICAP Dia. up to 13 mm Shank dia. 2.35 + 3 mm POLINOX mounted grinding wheels Dia. up to 30 mm Shank dia. 2.35 + 3 mm Self-adhesive abrasive discs and abrasive disc holders Dia. up to 30 mm Shank dia. 2.35 + 3 mm Felt points Dia. up to 20 mm Shank dia. 2.35 + 3 mm Felt wheels and lenses Dia. up to 30 mm Cloth rings Dia. 22 mm Shank dia. 2.35 + 3 mm	Abrasive spiral bands and rubber drum holders Dia. up to 8 mm Shank dia. 3 mm Mounted flap wheels Dia. up to 30 mm Shank dia. 3 mm POLISTAR Dia. up to 30 mm Poliflex fine grinding points Dia. up to 10 mm Shank dia. 3 mm Poliflex fine grinding discs and lenses Dia. up to 30 mm matching arbors BO 2,3/1,6 1-5 BO 3/1,6 1-5	Diamond grinding points Dia. 3.0 to 6.0 mm Shank dia. 3 mm CBN grinding points Dia. up to 6.0 mm Shank dia. 3 mm Diamond cut-off wheels Dia. 22 mm matching arbor BO 3/1,7-1	Miniature shank-mounted end brushes crimped PBU dia. 5 mm Miniature shank-mounted wheel brushes crimped RBU dia. 16 to 22 mm Miniature shank-mounted cup brushes crimped TBU dia. 15 to 18 mm					
									1,000–50,000 RPM	MIM HAS 1/500 SP3 MIM HAS 3/500 VS-SP3			
									1,000–30,000 RPM	MIM WZS 3/300 90° S3 MIM WZS 3/300 45° S3			
Rot. speed range				13,000–60,000 RPM	25,000–60,000 RPM	2,000–60,000 RPM	7,000–60,000 RPM	7,000–15,000 RPM					
Dia. 6 mm	1,000–60,000 RPM	MIM HAS 3/600 S6	TC burrs Cut 3 PLUS, 4, 5, ALU, INOX, STEEL, CAST, TITANIUM, MICRO Dia. up to 6 mm HSS rotary cutters Special cuts Dia. up to 1.6 mm	Mounted points Shank dia. 6 mm: Dia. 3 to 16 mm Width ≤ 40 mm	POLICAP Dia. up to 16 mm POLINOX mounted grinding wheels Dia. up to 40 mm Felt points Dia. up to 30 mm Felt wheels and lenses Dia. up to 45 mm Cloth rings Dia. 22 mm Shank dia. 2.35 + 3 mm matching arbor BO 6/6 3-10 Abrasive spiral bands and rubber drum holders Dia. up to 30 mm	Mounted flap wheels Dia. up to 30 mm POLISTAR Dia. up to 50 mm matching arbor BO 6/3 1-6 POLINOX cross buffs Dia. up to 38 mm matching arbors BO PNST 6-75 BO PNST 6-125 Mounted felt flap wheels Dia. up to 30 mm Poliflex fine grinding points Dia. up to 16 mm	Diamond grinding points Dia. 5.0 to 15.0 mm CBN grinding points Dia. 5.0 to 15.0 mm Diamond cut-off wheels Dia. 30 to 50 mm matching arbor BO 6/10-3 Catalogue section 6 Rot. speed range 23,000–31,000 RPM Cut-off wheels EHT Dia. 30 to 40 mm matching arbor BO 6/6 0-4	Shank-mounted end brushes crimped PBU dia. 10 to 20 mm knotted PBG dia. 10 to 19 mm Shank-mounted wheel brushes crimped RBU dia. 20 to 30 mm					

If no shank diameter is given, the shank dia. of 6 mm applies.

*Catalogue sections 3/4: This data applies to an unsupported shank length of 10 mm and the max. stated mounted point dimensions.

Note: Please observe the recommended cutting speeds and the max. permitted rotational speeds in our Tool Manual 23, catalogue sections 2–8.

Special features:

- Control device for rotational speed control of micro motor handpieces.
- Max. 60,000 RPM clockwise rotation.
- Max. 30,000 RPM anti-clockwise rotation.
- Stepless rotational speed control is possible by hand or foot switch.
- High power stability.
- Protectively earthed. (⊕)
- Safety extra-low voltage. (⚡)

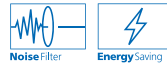
Included in delivery:

2 m power cable, 2 handpiece supports.

MIM STG2S 3/600 60,000–1,000 RPM / 260 watts



PFERDVALUE:



Vario foot switch* MIM FU-R




Extension cable MIM VLK HAS/WZS 3 m



Description	EAN 4007220	For micro motor handpieces [RPM]	Voltage [volts] 50–60 Hz	Output voltage [volts]	Net weight [kg]
MIM STG2S 3/600 230 V	071236	60,000–1,000	230	36	2.338
MIM FU-R	071250	-	5	-	0.845
MIM VLK HAS/WZS 3 m	071403	-	-	-	0.152

*Vario = stepless rotational speed control

Micro motor handpieces

 Choose the suitable handpieces for your individual application. Information and ordering data for micro motor handpieces can be found on page 3.



