


Diprofil Ultrasonic Polisher

The Diprofil Ultrasonic Polisher system's main advantage is its very short stroke length (10 - 35 µm) at a very high frequency (18 - 25 kHz). This makes this unit ideal for working in narrow and confined spaces such as cavities and slots where a short stroke length is preferable. For this kind of delicate work, the DIPROSONIC will give you precise finishing with rapid stock removal in a relatively clean environment without the need for lubricating fluids etc.

The unit is excellent for use together with Ceramic Fibre Stones and Sintered Diamond Files, but it is also possible to use Electroplated Diamond Files as long as the shank of the used tool is kept as short as possible.

Product	Specification	Model	Code
	<p>Control Unit</p> <ul style="list-style-type: none"> • Input: AC 90 - 250 V, 50/60 Hz • Ultrasonic Power Output: 36 W • Frequency: 18 - 25 kHz • Stroke: 10 - 35 µm • Dimensions: 144(W) x 195 (D) x 95(H) mm • Weight: 658 g <p>Handpiece</p> <ul style="list-style-type: none"> • Cord length: 1500 mm • Dimensions: Ø 30 x 131 mm • Weight: 185 g <p>Accessories included with the DUS-300 package</p> <ul style="list-style-type: none"> • Ultrasonic Hand-piece for DUS-300 (DUS-300-HP) • Hand-piece Cable (DUS-5) • Power Cord - European type 220V (DUS-7) • Foot-switch (DUS-300-FS) • 10/11mm Spanner (DUS-8) • 2.5 mm Hex-key (DUS-9) • Hand-piece stand (DUS-10) • Tool-holder 1.1 mm (DUS-11) • Tool-holder Ø 3 mm (DUS-30) 	DUS-300	331042


Recommended range of ceramic stones for ultrasonic polishing

Size (mm)	Xebec Ceramic Stone™ Heat-Resistant					Xebec Ceramic Stone™ Diamond			
	Grit 120	220	400	800	1200	200	400	800	1200
1.0 x 4 x 100	312744	312673	312854	312672	312671	312687	312686	312685	312859
1.0 x 6 x 100	312745	312676	312855	312675	312674	312690	312689	312688	312860
1.0 x 10 x 100	312705	312717	312856	312716	312715	312693	312692	312691	312861
2.0 x 4 x 100	312746	312679	312857	312678	312677	-	-	-	-
2.0 x 6 x 100	312747	312682	312858	312681	312680	-	-	-	-
2.0 x 10 x 100	312756	312706	312707	312708	312709	-	-	-	-

Full details of Xebec Ceramic Stones™ on page 25

High Speed Polishing Machine

This machine is a recommended alternative to ultrasonic finishing and polishing of small surfaces. Diprofil HFP is air-driven and the stroke is generated by two unbalanced weights built to avoid vibrations in the handle. Even when working against a shoulder, no vibrations are generated in the handle.

Product	Specification	Model	Code
	<p>DIPROFIL HFP</p> <ul style="list-style-type: none"> • Driving: lubricated air 4-6 bar • Frequency: 20,000 strokes/min. • Tool holder: Ø 3.6 mm • Stroke: 0.25 mm • Weight: 190 g • Noise: < 80 db(A) at 20,000 strokes/min. • Vibrations: < 2.5 m/s² • Frequency weighed hand/arm vibration, principally in accordance with ISO 28927-8. 	HFP	334081

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Diprofil & Di-PRO® Filing Machines

The Di-PRO® machine is the flagship of the Diprofil family. With its low levels of potentially harmful vibrations it is the natural choice when operating the machine for long hours. It is ideal for a wide variety of applications such as filing, lapping, honing, de-burring and polishing.

Advantages with the Di-PRO® machines:

- Available for/with a wide variety of drive sources
- Very low levels of potentially harmful vibrations
- Adjustable stroke length 0 - 6 mm
- Well-known and trusted design




The new Mark II advantage:

- Improved ergonomics.
- No moving parts on the tool-holder.
- Includes an extension pipe for longer tools.
- More lightweight compared to previous versions.
- Even lower risk of sustaining vibration related injuries.



Technical Data for Di Pro Polishing/Filing Machines

- Speed (maximum): 7,000 rpm.
- Speed (recommended): 5,000 - 6,000 rpm.
- Stroke length: 0 - 6 mm. (recommended 0.5 - 3 mm). NOTE! At stroke lengths exceeding 4 mm a maximum speed of 5,000 rpm is recommended.
- Tool holder: Ø 6.4 mm. (suitable for tool shanks Ø 2 - Ø 6.4 mm).
- Weight of inserted tool: Maximum 34 g. Recommended 1-15 g.
- Applied feed force: 2-12N (depending on inserted tool type and dimension).
- Noise level: Not exceeding 75 dB(A) at 7,000 rpm.

Product	Specification	Model	Code
	Flexible-shaft driven machine The FXK-N, FXS-N and FXH-N models are driven by an electrical motor with speed control and a flexible-shaft with slip-joint (European standard) or ball-joint connection (US standard) e.g. Diprofil type DSE-47. Corresponding motors of other brands may also be used. • Weight: 700 g	FXK-N	332041
		FXH-N Square Hole	332042
		FXS-N Key hole	332043
	Air Driven Machines The FXL-N model is driven by compressed and oil mist lubricated air. PLEASE NOTE! The built-in air-motor may be damaged, if operated with un-lubricated air. The Diprofil quick-coupling HSL-M and fog lubrication unit MFB should be used for connection to your compressed air system. PLEASE NOTE! Protect the air inlet from dust and dirt, when not in operation. • Oil consumption: Minimum 30 mm ³ /min. at maximum speed (about 2 drops/min.). • Air pressure: 4 bar (57 psi). • Air consumption: Approx. 60 l/min at 7,000 rpm • Weight: Approx. 900 g.	FXL-N	332044
	Micro Motor Driven Machines (Diprofil connector) Micro Motor Driven Machines (Eneska 3-1 connector) The FXM-N and FXM/EJ-N models are driven by a built-in micro-motor, which is connected to, and controlled by, the power unit DIPROFIL DPU-3 or TPU-20 or corresponding. Output: DC 0-32V. (The needed voltage at a certain rpm is depending on the micro motor and the power unit). • Weight: Approx. 860 g.	FXM-N	332048
		FXM/EJ-N	332049






VIEW PAGE 20 FOR AIR DRIVE ACCESSORIES

Classic Diprofil Machines

The Classic polishing/filing machines, which have been the preferred choice for tool- and mould-makers for more than 60 years, are now available in Mark II editions incorporating a new tool-holder to improve ergonomics and flexibility. The Classic machine with its rigid and ergonomic design facilitates any filing, lapping, honing or polishing application. With its reciprocating movement, the Classic machines are an excellent alternative and compliment to rotary hand-pieces.

Technical Data for Classic Diprofil Machines

- Speed (maximum): 8,000 strokes/min.
- Speed (recommended): 5,000 - 6,000 strokes/min.
- Stroke length: 0 - 6 mm.
- Stroke length (recommended): 0.5 - 3 mm.
- Tool holder: Ø 6.4 mm. (suitable for tool shanks Ø 2 - Ø 6.4 mm).
- Weight of inserted tool: Maximum: 26 g. Recommended: 1-15 g.
- Applied feed force: 2-12 N (Depending on inserted tool type and dimension.)
- Noise level: Not exceeding 70 dB(A) at 7,000 strokes/min. According to ISO 15744.

Product	Specification	Model	Code
	Flexible Shaft Driven Machine These models are driven by an electrical motor with speed control and a flexible shaft with slip-joint (European standard) or ball-joint connection (US standard) e.g. Diprofil type DSE-47. Corresponding motors of other brands may also be used. • Weight: Approx. 575 g.	FPR/R	331018
		FPH/R Square Hole	332065
		FPS/R Key hole	331033
	Air Drive Machine This model is driven by compressed and oil mist lubricated air. PLEASE NOTE! The built-in air-motor may be damaged, if operated with un-lubricated air. The Diprofil quick-coupling HSL-M and fog lubrication unit MFB should be used for connection to your compressed air system. PLEASE NOTE! Protect the air inlet from dust and dirt, when not in operation. • Oil consumption: Minimum 30mm ³ /min at maximum speed (about 2 drops/min.) • Air pressure: 4bar (58psi). • Air consumption: Approx. 65 l/min at 8,000 strokes/min. • Weight: Approx. 740g.	FPL/R	331008
	Micro Motor Connection - NSK (Espert) & ENESKA 4-1 Micro Motor Connection - NSK EMax Evolution, ENESKA 3-1, 3-2 These models should be driven by motors with low strokes/min and high torque only. Exceptions can be made for motors with high torque from very low strokes/min, as e.g. Diprofil motor HPM-BL1 brushless motor for Power Unit TPU-20 or corresponding power unit. Output: BL DC 0-32V or DC 0-32V. • Weight: Approx. 560 g. (without micro motor).	FPT/ER	331036
		FPT/NR	332066
	Micro Motor Driven Machines (Diprofil connector) Micro Motor Driven Machines (Eneska 3-1 connector) These models are driven by a built-in micro-motor, which is connected to, and controlled by, the DIPROFIL DPU-3, TPU-20 or corresponding power unit. Output: DC 0-32V. • Weight: 715 g.	FPM/R	331011
		FPM/ERJ	332067
	As the machines come with an extension pipe for the new tool-holder it's even possible to use very long tools without the need for putting your fingers on moving tools and/or machine parts. The extension pipe can easily be cut to the desired length to fit different tools and applications.		

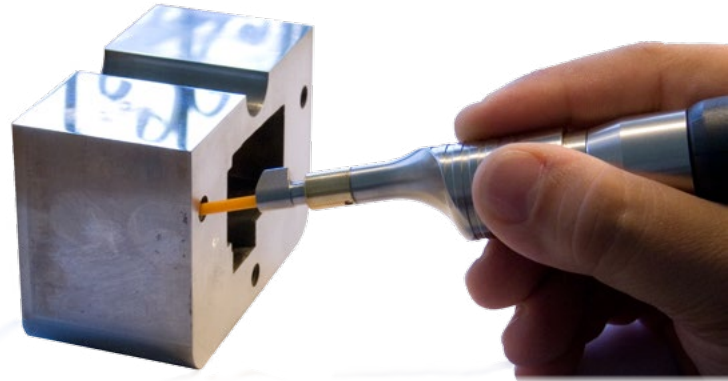
VIEW PAGE 20 FOR AIR DRIVE ACCESSORIES

Dipromini

The natural choice when working in narrow and confined spaces. The compact and handy dimension makes it excellent for polishing and finishing applications on small and hard to reach surfaces. Using the Dipromini gives you total control even when working in the narrowest spaces on a delicate work-piece. For lowest possible vibration levels we recommend using light weight tools and tool-holders such as the THFS-1 and the THPS-3 (below).

Technical Data for Diprofil Mini Polishing Machine (Dipromini)

- Tool holder: max Ø 3.6 mm.
- Speed: max 12,000 rpm.
- Speed: recommended: 5,000 - 11,000 rpm.
- Dimension: Ø 24 mm.
- Weight: approx. 120 g.
- Noise: < 70 dB(A) at 9,000 rpm.
- Vibrations: stroke 0.5 mm: <math> < 2.5 \text{ m/s}^2 </math>, stroke 1.0 mm: $1.5 - 3 \text{ m/s}^2$, stroke 1.5 mm: $1.5 - 4 \text{ m/s}^2$.
- Frequency weighed hand/arm vibration, principally in accordance with ISO 28927-8.



Product	Specification	Stroke Length (mm)	Model	Code
	The Diprofil Mini Polishing/Filing machine for flexible-shaft drive is available for connection to Slip Joint. Supplied with three different stroke lengths.	0.5	FMR/S5	332100
		1.0	FMR/S10	332068
		1.5	FMR/S15	330097
	The Diprofil Mini Polishing/Filing machine for flexible-shaft drive is available for connection to Ball Joint. Supplied with three different stroke lengths.	0.5	FMR/B5	332070
		1.0	FMR/B10	332071
		1.5	FMR/B15	332072
	The Dipromini Filing Machine for Gesswein, Argofile and Uhandy connection can be supplied with three different stroke lengths.	0.5	FMR/G5	332003
		1.0	FMR/G10	331998
		1.5	FMR/G15	331999
	The Dipromini Filing Machine for NSK EMax Evolution, Eneska 3-1 or 3-2 connection can be supplied with three different stroke lengths.	0.5	FMR/N5	332018
		1.0	FMR/N10	332140
		1.5	FMR/N15	330139
	The Dipromini Filing Machine for NSK and Eneska 4-1 connection can be supplied with three different stroke lengths.	0.5	FMR/E5	332076
		1.0	FMR/E10	332077
		1.5	FMR/E15	332078
	Dipromini polishing/filing Machine with connection for Diprofil micro motor type HPM-B1 which should be connected to, and controlled by, the DIPROFIL DPU-3, TPU-20 or corresponding power units.	0.5	FMR/D5	332079
		1.0	FMR/D10	332080
		1.5	FMR/D15	332081
	Tool-holder made of hardened steel for use together with ceramic fibre stones (Super stones) and lapping/polishing tools with a thickness of 1 mm. Shank Ø: 3.0 mm Shank length: 18 mm Total length: 31.5 mm Width: 8 mm Weight: 4.3 g		THFS-1	332068
	Tool-holder made of hardened steel for use together with polishing stones and lapping/polishing tools with a thickness of 3 mm. Shank Ø: 3.0 mm Shank length: 18 mm Total length: 31.5 mm Width: 8 mm Weight: 3.9 g		THPS-3	332069



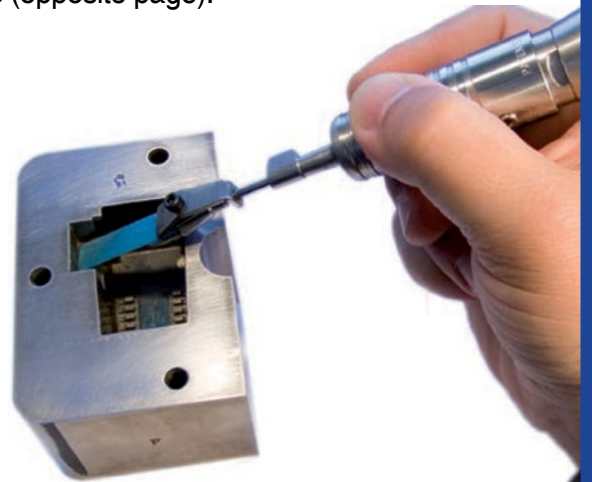
Dipromini Sets	Contents of set	Model	Code
	Dipromini machine with 0.5 mm stroke length, micro-motor type HPM-B1 and power unit type DPU-3.	FMR-SET-5S	332154
	Dipromini machine with 1.0 mm stroke length, micro-motor type HPM-B1 and power unit type DPU-3.	FMR-SET-10S	332155
	Dipromini machine with 1.5 mm stroke length, micro-motor type HPM-B1 and power unit type DPU-3.	FMR-SET-15S	332097
	Dipromini Transverse machine, micro-motor type HPM-B1 and power unit type DPU-3.	FMV-SET-S	332153







Dipromini Transverse







The Dipromini Transverse with its swinging side to side movement is ideal when working on difficult surface such as narrow shoulders and ribs. The side to side movement also makes it possible to polish the bottom surface i.e. in cavities without damaging the side walls. Variable stroke between 0-4 mm, that is easy to change by use of a hexagon key. The small and handy dimension improves control and effectiveness for polishing and finishing work. Recommended tool-holders THFS-1 and the THPS-3 (opposite page).

Technical Data for Diprofil Mini Polishing Machine (Dipromini Transverse)

- Tool holder: max Ø 3.6 mm.
- Stroke length: Variable stroke 0-4 mm (measured 60 mm from the machine housing).
- Speed: max 12,000 rpm (at max 2 mm stroke length) .
- Speed: recommended 5,000-11,000 rpm.
- Dimension: Ø 24 mm.
- Noise: < 78 dB(A) at 12,000 rpm.
- Vibrations: 1.5 - 3.5 m/s².
- Frequency weighed hand/arm vibration, principally in accordance with ISO 28927-8.



Product	Specification	Model	Code
 Flexible-shaft Drive - Slip Joint Connection	The Diprofil Transverse Mini Polishing/Filing machine for flexible-shaft drive is available for connection to Slip-joint. Weight: 235 g	FMV/S	332127
 Flexible-shaft Drive - Ball Joint Connection	The Diprofil Transverse Mini Polishing/Filing machine for flexible-shaft drive is available for connection to Ball-joint. Weight: 235 g	FMV/B	332126
 Micro Motor Connection - NSK EMax Evolution, Eneska 3-1 and Eneska 3-2	The Diprofil Transverse Mini Polishing/Filing machine is available for NSK EMax Evolution, Eneska 3-1 and Eneska 3-2 connection. Weight: 205 g	FMV/N	332020
 Micro Motor Connection - NSK and Eneska 4-1	The Diprofil Transverse Mini Polishing/Filing machine is available for NSK and Eneska 4 connection. Weight: 210 g	FMV/E	332128
 Micro Motor Connection - Gesswein, Argofile & Uhandy	The Diprofil Transverse Mini Polishing/Filing machine is available for Gesswein, Argofile and Uhandy connection. Weight: 210 g	FMV/G	332015
 Micro Motor Connection - Diprofil Motor type HPM-B1	Dipromini Transverse polishing/filing machine with connection for Diprofil micro motor type HPM-B1 (See page 19) which should be connected to, and controlled by, the DIPROFIL DPU-3, TPU-20 or corresponding power units. Weight: 195 g	FMV/D	332070

Filing Tips & Holders	Profile / Shape	Type	Description	Colour Code	Grit size	Code
		DLT	Diamond Filing Tips, from 30 micron to FEPA D181. A thin tip with rectangular shape, for use on all surfaces. Set of 3.	Red	D181	333015
				Green	D151	333009
				Yellow	D64	333010
				White	30 micron	333011
		DLT	Diamond Filing Tips, from 30 micron to FEPA D151. A thin tip with spatula shape, for use in narrow spaces. Set of 3.	Red	D181	333219
				Green	D151	333012
				Yellow	D64	333013
				White	30 micron	333014
		LTA	Diamond Filing Tip, FEPA D64. For use on concave surfaces. Set of 3.	Yellow	D64	333336
	LTA	Diamond Filing Tips, From 15 micron to FEPA D181. For use on concave surfaces.	Red	D181	333440	
			Green	D151	333335	
			Gold	D107	333439	
			Yellow	D64	333438	
			White	30 micron	333437	
			Violet	15 micron	333436	
	Filing tip holders	Tool-holder to be used together with diamond tips (above) in the Dipromini polishing/filing machines. Available in length 40 or 80 mm.		FMR-20/21 (Set of both)	332081	






For a list of diamond grit size comparison view page 41

Diprofil Power Units and Rotary Handpieces

Product	Specification	Model	Code	
 <p>Diprofil Power Unit</p>	<p>This compact and ergonomic Power Unit is designed for use together with dedicated rotary hand-pieces and micro-motor driven reciprocating Diprofil polishing/filing machines with carbon brush motors. It has high torque and electrical feedback circuitry. Other features include continuously variable speed, forward / reverse switch and automatic overload protection. Supplied with foot control type DPU-3-FC for optional speed adjustment.</p> <p>Technical data</p> <ul style="list-style-type: none"> • Input: AC 110/220 V at 50/60 Hz • Output: DC 0 - 32 V, 1.2 A • Power: max. 100 W • Weight Power unit: 1.7 kg. Foot control: 585 g • Dimensions Power unit: W115 x D147 x H96 mm 	DPU-3	331012	
 <p>Diprofil Twin Power Unit</p>	<p>Twin power unit featuring dual control system for both brushless and carbon brush micro-motors (not simultaneously). Variable speed control by hand dial or the included foot control type TPU-20-FC. Supplied with hand-piece cradle and a convenient magnetic tool holder.</p> <p>Technical data</p> <ul style="list-style-type: none"> • Input: AC 200 ~ 240 V at 50/60 Hz • Output: DC 0 - 32 V, 1.6 A, BLDC 0 - 32 V, 1.6 A • Power DC: max. 185 W. BLDC: max. 245 W • Weight Power unit: 2.9 kg • Dimensions Power unit: W137 x D232 x H180 mm • Weight Foot control: 575 g 	<p>TPU-20 (220V)</p> <p>TPU-20 (110V)</p>	<p>332082</p> <p>332086</p>	
 <p>Brushless Micro-motors</p>	<p>Brushless micro-motor for use together with twin power unit TPU-20.</p> <p>Technical data:</p> <ul style="list-style-type: none"> • Consumed power: max. 230 W • Weight: 255 g • Dimensions: L100 x Ø27 mm • Vibrations: < 2.5 m/s² 	<ul style="list-style-type: none"> • Speed: max. 40,000 rpm • Torque: 8.5N cm • Noise: < 70 db(A) at 40,000 rpm <ul style="list-style-type: none"> • Speed: max. 50,000 rpm • Torque: 7.6N cm • Noise: < 70 db(A) at 50,000 rpm 	<p>HPM-BL1</p> <p>HPM-BL2</p>	<p>332038</p> <p>332090</p>
 <p>Micro-motor</p>	<p>DC micro-motor adapted for Diprofil mini polishing/filing machines type FMR/D, FMV/D and rotary handpiece type C-HPM-B1. For use together with power unit DPU-3 or twin power unit TPU-20.</p> <p>Technical data</p> <ul style="list-style-type: none"> • Weight: 190 g • Dimensions: L100 x Ø29.5 mm • Noise: < 70 db(A) at 38,000 rpm • Vibrations: < 2.5 m/s² 	<ul style="list-style-type: none"> • Speed: max. 38,000 rpm • Consumed power: 100 W • Torque: 4.0N cm 	HPM-B1	332085
	<p>Adapter for connecting Urawa, Argofile and Gesswein front-pieces to the Diprofil micro-motors type HPMBL1 and HPM-B1 (when using DC motor type HPM-B1 a specific shaft with item no. D/G-7 is also required).</p>		D/G	332088
			D/G-7	332087
 <p>Brushless Rotary Hand-piece</p>	<p>For use together with twin power unit TPU-20. Features a quick change design for both the collet and the tool and is supplied with 3.0 mm collet. Optional 2.35 mm collet available.</p> <p>• Consumed power: max. 230 W</p> <p>• Weight: 350 g</p> <p>• Dimensions: L159 x Ø27 mm</p> <p>• Noise: < 70 db(A) at 40,000 rpm</p> <p>• Vibrations: < 2.5 m/s²</p>	<p>Micro-motor driven rotary hand-piece with brushless motor.</p> <ul style="list-style-type: none"> • Speed: max. 40,000 rpm • Torque: 8.5N cm <p>Micro-motor driven high speed rotary hand-piece with brushless motor.</p> <ul style="list-style-type: none"> • Speed: max. 50,000 rpm • Torque: 7.6N cm 	<p>C-HPM-BL1</p> <p>C-HPM-BL2</p>	<p>332084</p> <p>332083</p>
 <p>Rotary Hand-piece</p>	<p>Micro-motor driven high speed rotary hand-piece with carbon brush motor for use together with power unit DPU-3 or twin power unit TPU-20. Features a quick change design for both the collet and the tool and is supplied with 3.0 mm collet. Optional 2.35 mm collet available.</p>	<ul style="list-style-type: none"> • Dimensions: L159 x Ø29.5 mm • Speed: max. 38,000 rpm • Consumed power: 100 W • Torque: 4.0N cm • Weight: 285 g • Noise: < 70 db(A) at 38,000 rpm • Vibrations: < 2.5 m/s² 	C-HPM-B1	334093
	<p>Dipro Sets</p>	<p>Contents of set</p>	<p>Model</p>	<p>Code</p>
		<p>Di-Pro machine type FXM-N with 6.4 mm tool-holder, TPU-20-220V power unit and brushless rotary hand-Piece type C-HPM-BL2</p>	<p>FXM-N SET-L</p>	<p>332085</p>
		<p>Di-Pro machine type FXM-N with 6.4 mm tool-holder and power unit type TPU-20-220V</p>	<p>FXM-N SET-M</p>	<p>332086</p>
		<p>Di-Pro machine type FXM-N with 6.4 mm tool-holder and power unit type DPU-3</p>	<p>FXM-N SET-S</p>	<p>332087</p>

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Diprofil Drive Sources and Accessories

Product	Specification	Model	Code
	Lubrication The Dipro-fog (MFB) package consists of air filter, regulator, manometer and fog lubrication device, all in one, with tubing and Dipro-fog oil (MFA-K). • Max primary pressure: 16 bar • Max capacity at 7 bar: 1200 l/min • Hose connection: 7 mm • Secondary pressure: 0.5 - 10 bar	Dipro-fog MFB	331010
		Lubrication Oil (0.5 l) MFA-K	331028
	Accessories for Air-Driven Machines Each air-driven machine requires a quick coupling (HSL-M) as well as a fog lubricating device type Dipro-fog MFB to ensure efficient lubrication at all times. • Quick Coupling HSL-M • 3-way hose connection MFA-T2 • Air Hose MFA-S	HSL-M	331009
		MFA-T2	333569
		MFA-S	331304
	Tool Holder Possible to use very long tools without the need for putting your fingers on moving tools and/or machine parts. The extension pipe can easily be cut to the desired length to fit different tools and applications.	FXA-T/P	332089
	Protective Finger Sleeve Ø 3.5 mm tool-holder (to suit pre 2015 units)	PFS-3.5	331040
	Reduction sleeves Reduction sleeves for use of tools with Ø 2.35 mm shanks in Ø 3.0 mm collets. (to suit pre 2015 units)	RHA (14mm)	333562
		RHB (28mm)	333563

Lapping Bits	Shape	Material	Size (mm)	Quantity	Code
	Square	Plastic	4	50	332150
			6	50	332151
			8	50	332152
		Brass	4	25	332153
			6	25	332154
			8	25	332155
	Round	Plastic	4	50	332156
			6	50	332157
			8	50	332158
Brass		4	25	332159	
		6	25	332160	
		8	25	332161	
Triangular	Plastic	7	50	332162	
		10	50	332163	
		14	50	332164	
	Brass	7	25	332165	
		10	25	332166	
		14	25	332167	

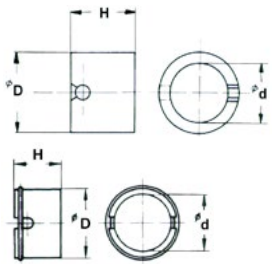
Ball-Rods	Description	For use with:	Code
	Straight	Size 4 & 7 bits	332169
		Size 6 & 10 bits	332170
		Size 8 & 14 bits	332171
	Angle 120°	Size 4 & 7 bits	332172
		Size 6 & 10 bits	332173
Size 8 & 14 bits		332174	

Ball-Rods: For use together with Lapping bits. Length 140 mm.

Lapping Tools	Type	Dimensions (AxBxC) mm	Code
	Cast Iron	18 x 7 x 1	333039
	Copper	18 x 7 x 1	333212
	Fibre	18 x 7 x 1.5	333184
	Balsa Wood	18 x 7 x 1.5	333185
	Felt	18 x 7 x 3	333215

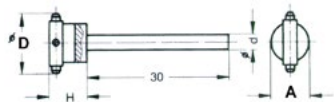
Rectangular lapping tools on shank Ø 3.0 mm

Lapping Rings	Material	Type	Ø D (mm)	Ø d (mm)	Height (mm)	Quantity	Code
	Plastic	8	9	6	6	10 pcs	332178
		12	13	10	8	20 pcs	332045
		20	21	17	14	10 pcs	332179
	Brass	8	8	6	6	10 pcs	332180
		12	12	10	8	20 pcs	332046
20		20	17	14	10 pcs	332181	



Rotating tools for use together with Diamond Compound in various lapping and polishing applications.

Mandrels	For use with:	Ø D (mm)	Shank Ø d (mm)	H (mm)	A (mm)	Code
	Type 8 rings	8	3.0	6	5	332175
	Type 12 rings	12	3.0	7.5	8	332047
	Type 20 rings	20	3.0	7.5	8	332176
	Type 20 rings	20	6.0	11	9	332177



Mandrels for use together with Lapping rings. Snaps on and keeps rings flat against the work surface.

Diprofil Diamond Files on pages 37, 38 & 41