

## Polishing- and finishing equipment for jewellers and goldsmiths



## Dipromini- set large

Set containing 1 pc of Dipromini polishing-/filing machine with optional stroke length 0.5, 1.0 or 1.5 mm, suitable micro-motor type HPM-B1, power unit type DPU-3 and rotary hand-piece type C-HPM-B1.

Specification	Item. No.
Dipromini-machine with 0,5 mm stroke length, micro-motor type HPM-B1, power unit type DPU-3 and rotary hand-piece type C-HPM-B1.	FMR-SET-5L
Dipromini-machine with 1,0 mm stroke length, micro-motor type HPM-B1, power unit type DPU-3 and rotary hand-piece type C-HPM-B1.	FMR-SET-10L
Dipromini-machine with 1,5 mm stroke length, micro-motor type HPM-B1, power unit type DPU-3 and rotary hand-piece type C-HPM-B1.	FMR-SET-15L



## Dipromini-set small

Set containing 1 pc of Dipromini polishing-/filing machine with optional stroke length 0.5, 1.0 or 1.5 mm, suitable micro-motor type HPM-B1 and power unit type DPU-3.

Specification	Item. No.
Dipromini-machine with 0,5 mm stroke length, micro-motor type HPM-B1 and power unit type DPU-3.	FMR-SET-5S
Dipromini-machine with 1,0 mm stroke length, micro-motor type HPM-B1 and power unit type DPU-3.	FMR-SET-10S
Dipromini-machine with 1,5 mm stroke length, micro-motor type HPM-B1 and power unit type DPU-3.	FMR-SET-15S



## Set of rotary hand-piece and power unit

A basic and affordable set consisting of power unit type DPU-3 and rotary hand-piece type C-HPM-B1.

Specification	Item. No.
Power unit type DPU-3 and rotary hand-piece type C-HPM-B1.	DPU-SET-S



## Dipromini - polishing-/filing machine with flexible-shaft connection



**Dipromini polishing-/filing machine with flexible-shaft connection.** Designed for work on small surfaces and in narrow and confined spaces. Available with 0,5 mm (**FMR/S5**), 1,0 mm (**FMR/S10**) or 1,5 mm (**FMR/S15**) stroke length.

Stroke length	Item. No.
0,5 mm	FMR/S5
1,0 mm	FMR/S10
1,5 mm	FMR/S15

### Technical data

Tool-holder:	Ø 3,6 mm
Stroke length:	0,5, 1,0 or 1,5 mm
Speed:	max 12.000 rpm, rec.: 5.000 - 11.000 rpm
Dimensions:	L130 x Ø24 mm
Weight:	approx. 120 g
Noise:	< 70 dB(A) at 9.000 rpm
Vibrations:	stroke 0,5 mm: <2,5 m/s <sup>2</sup> , stroke 1,0 mm: 1,5 - 3 m/s <sup>2</sup> , stroke 1,5 mm: 1,5 - 4 m/s <sup>2</sup>

Frequency weighed hand/arm vibration principally in accordance with ISO 28927-8.

For further details, see diagram and other information in the corresponding operation guide.

## Dipomini - polishing-/filing machine with connection for micro-motor type HPM-B1



**Dipomini polishing-/filing machine with connection for Diprofil micro-motor type HPM-B1.** Designed for work on small surfaces and in narrow and confined spaces. Available with 0,5 mm (**FMR/D5**), 1,0 mm (**FMR/D10**) or 1,5 mm (**FMR/D15**) stroke length.

Stroke length	Item. No.
0,5 mm	FMR/D5
1,0 mm	FMR/D10
1,5 mm	FMR/D15

### Technical data

Tool-holder:	Ø 3,6 mm
Stroke length:	0,5, 1,0 or 1,5 mm
Speed:	max 12.000 rpm, rec.: 5.000 - 11.000 rpm
Dimensions:	L98 x Ø24 mm
Weight:	approx. 120 g
Noise:	< 70 dB(A) at 9.000 rpm
Vibrations:	stroke 0,5 mm: <2,5 m/s <sup>2</sup> , stroke 1,0 mm: 1,5 - 3 m/s <sup>2</sup> , stroke 1,5 mm: 1,5 - 4 m/s <sup>2</sup>

Frequency weighed hand/arm vibration principally in accordance with ISO 28927-8.

For further details, see diagram and other information in the corresponding operation guide.

## Micro-motor - HPM-B1



DC micro-motor adapted for Dipromini polishing-/filing machines type FMR/D, FMV/D and rotary hand-piece type C-HPM-B1. To be used together with power unit type DPU-3 or TPU-20.

Item. No.: **HPM-B1**

### Technical data

Speed:	max. 38.000 rpm
Consumed power:	100 W
Torque:	4,0N cm
Weight:	190 g
Dimensions:	L100 x Ø29,5 mm
Noise:	< 70 db(A) at 38.000 rpm
Vibrations:	< 2,5 m/s <sup>2</sup>

## Rotary hand-piece - C-HPM-B1



Micro-motor driven high speed rotary hand-piece with DC motor for use together with power unit type DPU-3 or TPU-20. Features a quick-change design for both the tool and the collet. Supplied with 3,0 mm collet. Optional 2,35 mm collet available.

Item. No.: **C-HPM-B1**

### Technical data

Speed:	max. 38.000 rpm
Consumed power:	100 W
Torque:	4,0N cm
Weight:	285 g
Dimensions:	L159 x Ø29,5 mm
Noise:	< 70 db(A) at 38.000 rpm
Vibrations:	< 2,5 m/s <sup>2</sup>

## Power unit - DPU-3



Affordable and compact power unit for use together with dedicated rotary hand-pieces and micro-motor driven polishing-/filing machines with carbon brush motors. Electrical feedback circuitry prevents the rpm from dropping at high working pressures. Other features include continuously adjustable speed, forward/reverse switch and automatic overload protection. Supplied with foot-control for optional speed adjustment.

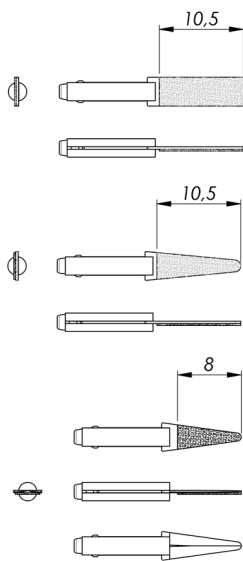
### Technical data

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
Dimensions (power unit):	B115 x D147 x H96 mm
Weight (foot control):	585 g

Item No.: DPU-3

## DLT / LTA - Diamond tips

Electro plated diamond tips for use in the Dipromini together with dedicated tool-holders type FMR-20 or FMR-21. All diamond tips are sold in packages of 3 pcs.



### Description

Diamond tips with grit size 30 µm - FEPA D181. A thin rectangular tip for general use.

### Grit-size

### Colour-code

### Item. No.

D181  
D151  
D64  
30 µm

Red  
Green  
Yellow  
White

DLT-10-150  
DLT-10-100  
DLT-10-50  
DLT-10-30

Diamond tips with grit size 30µm - FEPA D181. A thin conical tip for narrow and confined surfaces.

D181  
D151  
D64  
30 µm

Red  
Green  
Yellow  
White

DLT-20-150  
DLT-20-100  
DLT-20-50  
DLT-20-30

Diamond tips with grit size 15 µm - FEPA D181. Knife shaped design for use on concave surfaces.

D181  
D151  
D107  
D64  
30 µm  
15 µm

Red  
Green  
Gold  
Yellow  
White  
Purple

LTA-S150/3  
LTA-S100/3  
LTA-S75/3  
LTA-S50/3  
LTA-S30/3  
LTA-S15/3

## Holders for diamond tips



Tool-holder to be used together with diamond tips type DLT/LTA in the Dipromini polishing-/filing machines. Available in length 40 or 80 mm.

### Tool-holder

### Item. No.

40 mm

FMR-20

80 mm

FMR-21

Set with one of each

FMR-20/21

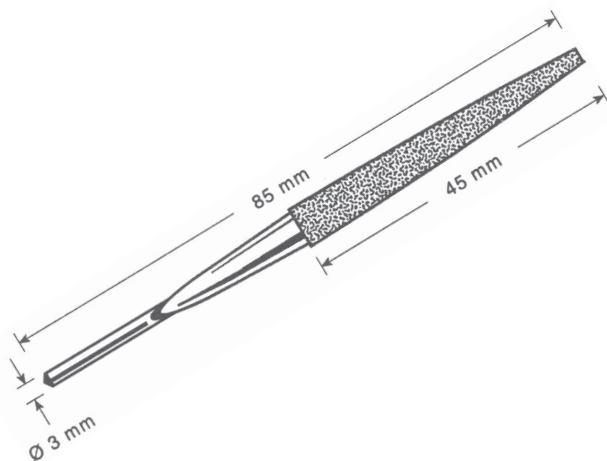
## DLA® - Machine Files



Standard Files		Item number		
Shape	Size (mm)	Grit D64	Grit D151	Grit D181
	2x1	DLA-2x1S-D64	DLA-2x1S-D151	DLA-2x1S-D181
	3x1	DLA-3x1S-D64	DLA-3x1S-D151	DLA-3x1S-D181
	4x1	DLA-4x1S-D64	DLA-4x1S-D151	DLA-4x1S-D181
	4x2	DLA-4x2S-D64	DLA-4x2S-D151	DLA-4x2S-D181
	5x2	DLA-5x2S-D64	DLA-5x2S-D151	DLA-5x2S-D181
	Ø 1	DLA-1-D64	DLA-1-D151	DLA-1-D181
	Ø 2	DLA-2-D64	DLA-2-D151	DLA-2-D181
	Ø 3	DLA-3-D64	DLA-3-D151	DLA-3-D181
	Ø 4	DLA-4-D64	DLA-4-D151	DLA-4-D181
	2x2x2		DLA-T2S-D151	
	3x3x3		DLA-T3S-D151	
	4x4x4		DLA-T4S-D151	
	R = 1		DLA-R1S-D151	
	R = 1,5		DLA-R1,5S-D151	
	R = 2		DLA-R2S-D151	
	R = 2,5x5	DLA-R2,5R5-D64	DLA-R2,5R5-D151	DLA-R2,5R5-D181


Safe Sided Files		Grit D64	Grit D151	Grit D181
Shape	Size (mm)			
	2x1	DLA-2x1-D64	DLA-2x1-D151	DLA-2x1-D181
	3x1	DLA-3x1-D64	DLA-3x1-D151	DLA-3x1-D181
	4x1	DLA-4x1-D64	DLA-4x1-D151	DLA-4x1-D181
	5x2	DLA-5x2-D64	DLA-5x2-D151	DLA-5x2-D181
	0,5x4		DLA-0,5x4-D151	
	1x4		DLA-1x4-D151	
	2x2x2	DLA-T2-D64	DLA-T2-D151	DLA-T2-D181
	3x3x3	DLA-T3-D64	DLA-T3-D151	DLA-T3-D181
	4x4x4	DLA-T4-D64	DLA-T4-D151	DLA-T4-D181
	R = 1		DLA-R1-D151	
	R = 1,5		DLA-R1,5-D151	
	R = 2		DLA-R2-D151	

## DLE - Machine Files



Standard Files		Item number
Shape	Size (mm)	Grit D151
	5x2	DLE-11-D151
	Ø 3	DLE-2-D151
	5x2	DLE-30-D151
	5x2	DLE-4-D151
	3,5x3,5x3,5	DLE-5-D151
	2,5x2,5	DLE-6-D151
Safe Sided Files		
Shape	Size (mm)	Grit D151
	5x2	DLE-1-D151
	5x2	DLE-3-D151

Please contact your local dealer to obtain more information about other Diprofil products:

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