



Mill/Drill Head PF 230

Converts the Precision Lathe PD 230/E into a machining centre. Set includes column (35 x 400 mm), mounting bracket and bolts. The mounting position on the PD 230/E is already milled. The lathe's top slide is replaced with the table (supplied) of 110 x 70 mm, with 3 T-slots 12 x 6 x 6 mm. The lathe now functions as a compound table, with X-Y travel being longitudinally and cross-wise respectively. The mill/drill head is identical to the FF 250. Three collets of sizes 6, 8, and 10 mm are included.

Note:

Lathe not included.

Other Technical Data:

220 - 240 V. 140 W. 50-60 Hz. Spindle revolutions 280 - 550 - 870 - 1,250 - 1,700 und 2,500/min.

NO 24 104

Fine Feed

Easily installed. The feed may now be used via either the height feed (vertical) or the fine feed in the tilted position. One revolution = 1.5 mm spindle travel, one division = 0.05 mm. The graduated scale may be reset to zero.

NO 24 140

Dividing Attachment

Facilitates the machining of gear teeth and non-concentric patterns. Supplied with two dividing discs (40 and 48 steps), enabling standard divisions of 2, 3, 4, 5, 6, 8, 10, 12, 16, 20, 24, 40 and 48. The spindle is identical to that of the

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lathe. The 3 and 4 jaw chuck may therefore be fitted to it as well (the chuck is an optional accessory). May be fitted to the lathe's cross slide or to the bed and can be fitted to the FF 230. Supplied in a wooden box with sliding lid.

NO 24 131**Five Piece Collet Set**

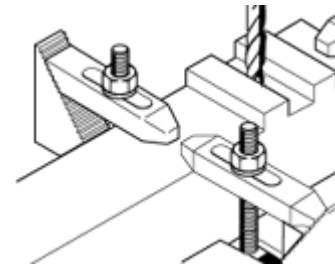
One piece each for round diameters 2.4 - 3.0 - 3.2 - 4.0 and 5.0 mm. Supplied in a wooden box with sliding lid.

NO 24 144**MICROMOT Step Clamps made of steel**

For safe fixing of small work pieces (up to 18 mm thick) to the MICRO miller MF 70. Also fits the mill/lathe systems PD 230/E and PD 400. Complete with 2 each stepped blocks and clamps, T-slot nuts of the MICROMOT standard (11.5 x 11 x 4 mm), bolts. Supplied in a wooden box with sliding lid.

NO 24 256**Step Clamp Set**

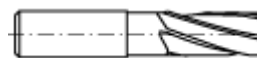
Consists of 2 step blocks and 2 clamps, 2 nuts, 2 T-slot nuts (B = 7 mm, E = 12 mm, D = 4 mm, C = 7.2 mm). Secures objects to approx. 35 mm high. Supplied in a wooden box.

NO 24 257**Milling Cutter Set (2 - 5 mm)**

All with 6 mm shank. Consists of cutters 2, 3, 4, and 5 mm diameter. Double fluted, to DIN 327. HSS. Supplied in wooden box.

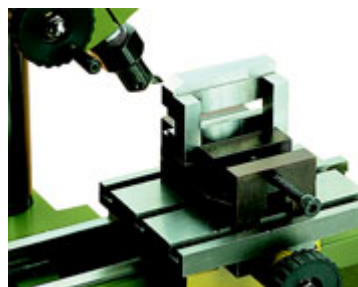
NO 24 610**Milling Cutter Set (6 - 10 mm)**

Consists of cutters 6, 7, 8 and 10 mm diameter. Four flute, to DIN 844. HSS. Supplied in wooden box.

NO 24 620**Precision Vice, milled in steel**

May be used on its side and back. Jaw width 60 mm, clamping capacity 42 mm. Complete with securing bolts and packed in a wooden box.

NO 24 255

**Precision V-Blocks**

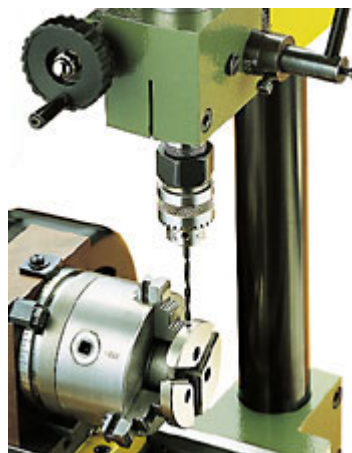
Used to clamp various workpieces. Made of hardened steel, precision ground in pairs. Four different depths of V, all at 90°. Size 50 x 30 x 30 mm. The solid clamp and knurled knob ensure superb securing of the workpiece. Supplied in a wooden box with sliding lid.

NO 24 262 2 pieces

**Gear Chuck, with 10 mm adapter**

Industrial quality, however not as accurate as the collets. With 10 mm adapter fitting the 10 mm collet. Includes chuck key.

NO 24 110

**1 Arbor**

Used with gear cutters with 16 mm bore, 10 mm shaft.

NO 24 425

2 HSS Gear Cutters

Module 0.5 x 40 mm, 16 mm bore.

NO 24 426	Nr. 1	(12-13 teeth)
NO 24 427	Nr. 2	(14-16 teeth)
NO 24 428	Nr. 3	(17-20 teeth)
NO 24 429	Nr. 4	(21-25 teeth)
NO 24 430	Nr. 5	(26-34 teeth)
NO 24 431	Nr. 6	(35-54 teeth)

