I 28 (M)

Drill head

The drill head is adjustable 360° around the column and can be raised and lowered.

Gear box

The gear box is built according to our experienced methods for highest possible torque. Helical gears combined with steel gears against reinforced fiber gears in the main gear box ensure higher operating efficiency, a more powerful drive and smooth operation. The noise level and maintenance of the gear box is reduced to a minimum.

Power feed (M)

When the set drill depth is reached, the spindle will automatically return to the starting point. The feed gear box is provided with an automatic overload protection device, which intervenes when the drill pressure is too high. The feed can also be interrupted manually.

Table

The table is made from high quality cast iron, complete with T-slots and coolant channel. The table is mounted on a rigid arm turntable, turning 360° around the column. An easy to reach crank handle is fitted for elevating and lowering the table to the correct working height.

Spindle

The spindle is mounted in ball and roller bearings and the lower spindle roller bearing is placed as near to the lower part of the spindle as possible, ensuring greater precision and stability. It is adjusted by the journals in the bearing, which guarantees very small tolerances. The spindle is counterbalanced by a tension spring and the spindle return can be adjusted depending on the weight of the tool. There is also a built-in tool ejector for rapid tool exchange.

Column

The column is made from steel, ensuring machine rigidity and precision with the minimum of deviation from the stipulated angle between the drill and the table.

Base plate

The machine is equipped with a plane base plate.

Safety

The machine is supplied with a thermal switch, no-volt release and emergency stop. Chuck guard is standard within CE area. (Optional outside CE area.)

Options (selection)

Coolant complete with tubes, coordinate table 450 x 242 mm, machined base plate, flanged quill with double return spring for multi spindle drill head, foot operated reversing switch, hand reversing switch, automatic reversing unit for tapping, foot operated start switch, machine light halogen, tool package MT 3.

I 28 B

I 28 M

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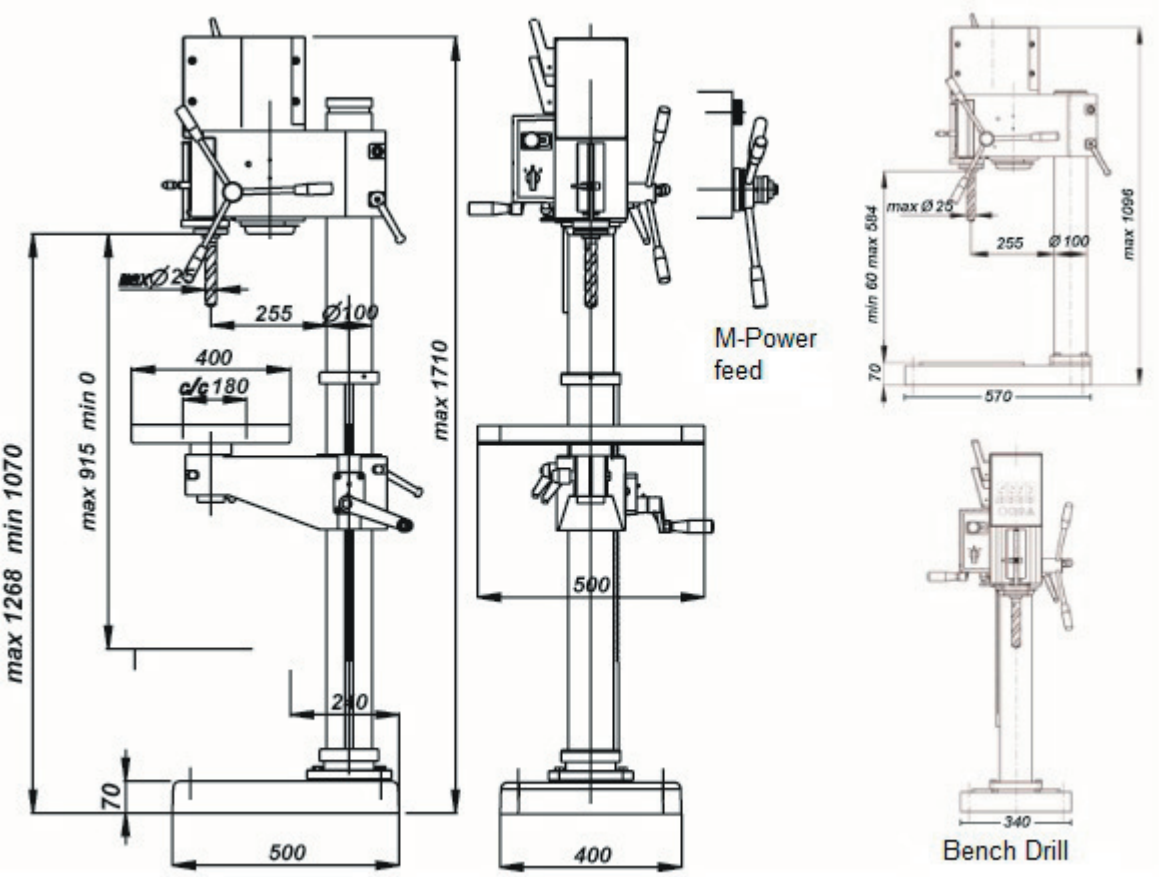
Technical data - I 28 (M)

Drilling capacity	Ø 25 mm
Quill movement	135 mm
Tapping capacity (steel, cast iron)	M 16 / M 20
Morse taper	MK / MT 3
Motor power (50 Hz)	0,65 kW / 0,9 kW
Motor power (60 Hz)	0,80 kW / 1,1 kW
Spindle speed (50 Hz)	105-210-350-445-700-890-1450-2900
Spindle speed (60 Hz)	130-260-420-840-535-1070-1745-3480
Feed speed (mm/inch)	0,10 / 0,004 - 0,15 / 0,006 - 0,30 / 0,012
Size of table	500 x 400 mm
Net weight I 28 / I 28 M	180 / 200 kg
Net weight I 28 B / I 28 BM	130 / 150 kg



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