



# S 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 mechanism and smooth operation. The noise level and maintenance of the gear box is reduced to a minimum. The eight (8) spindle speeds are easily selected by changing two handles.

## 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 machine is fitted with a high quality cast iron rectangular table 500 x 400 mm with T-slots and coolant channel.

## Spindle

The spindle is made from steel, with the lower spindle bearing being located as near to the lower part of the spindle as possible, ensuring greater precision and rigidity even in milling operations. It is further adjustable by the journals in the bearings, which guarantee 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. It can be locked when carrying out milling operations.

## Column

The column is constructed of steel, which ensures extra rigidity of the machine, giving accurate precision and minimum deviation from the stipulated angle between the drill and the table.

## Base plate

The base plate has a machined surface, complete with T-slots and coolant channel.

## Safety

The machine is supplied with a thermal overload switch, no-volt release and emergency stop.

## Options (selection)

Square table 400 x 400 mm with side face plate, coolant complete with tubes, machine light halogen, tool package MT 3, chuck guard, micro switch for chuck guard, coordinate table 450 x 242 mm, coordinate table 584 x 242 mm (with or without automatic feed), flanged quill with double return spring for multi spindle drill head (with or without automatic feed), foot operated reversing switch, foot operated start switch, automatic reversing unit for tapping



S 28 B

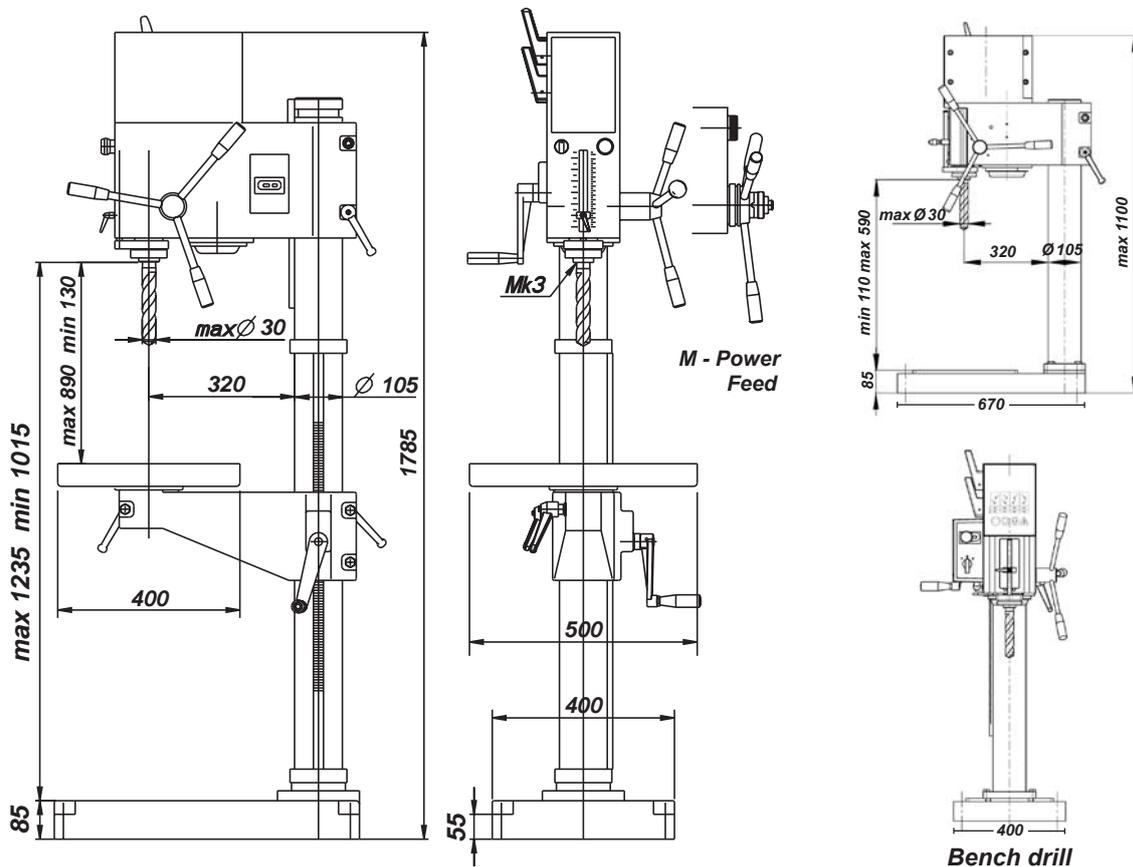
S 28 M



## Technical data - S 28 (M)

|                                     |   |
|-------------------------------------|---|
| Drilling capacity                   | Ø 30 mm   |
| Quill movement                      | 150 mm  |
| Tapping capacity (steel, cast iron) | M 18 / M 22   |
| Morse taper                         | MK / MT 3   |
| Motor power (50 Hz)                 | 0,90 kW / 1,20 kW   |
| Motor power (60 Hz)                 | 1,10 kW / 1,50 kW   |
| Spindle speed (50 Hz)               | 75-160-265-440-535-890-1490-3010                          |
| Spindle speed (60 Hz)               | 90-190-320-640-530-1060-1790-3610                         |
| Feed speed (mm / inch per rev.)     | 0,10 / 0,004 - 0,15 / 0,006 - 0,22 / 0,009 - 0,30 / 0,012 |
| Size of table                       | 500 x 400 mm  |
| Net weight S 28 / S 28 M            | 235 kg / 260 kg   |
| Net weight S 28 B / S 28 BM         | 175 kg / 190 kg   |

S 28 (M) is also available as bench model. Drill guard is standard within CE area.



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