

RADIAL COLUMN DRILL RSBM 4/50



Article Number: **82022**

EAN Code: **9004853820229**



TECHNICAL FACTS

- Torsion-resistant, highly resilient boom construction with solid, ground steel column
- Base body made of heavily ribbed, fine-grained grey cast iron
- Extremely low vibration and smooth running
- Drilling capacity Ø 50 mm
- Extra large cubature
- Very large spindle throat depth, 350 - 1,600 mm
- Extremely powerful drive unit 3,000 W, 400 V
- Hydraulically operated spindle and feed gearbox running in oil bath
- Gear wheels made of chrome-nickel steel, hardened and precision ground
- 16 speed levels
- Simple speed and feed adjustment by means of a control lever
- Drilling spindle with precision bearing, high concentricity
- Right and left rotation
- Lifting of the drilling head by means of a lifting spindle drive, hardened lifting spindle
- Cantilever guideways hardened and precision ground
- Cantilever and drill head clamping hydromechanical
- Automatic quill feed, 16-stage
- Spindle protective cover

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- Drilling depth scale and stop
- Drilling table cubes with T-slots
- Halogen drill table lighting
- Machine base with T-slots
- Integrated coolant system with return line, tank in machine base

PRODUCT HIGHLIGHTS

Superflexible - large boom units 3,000 W

The RSBM models have a drilling capacity of 50 mm and enable flexible positioning of the drill along a height-adjustable boom. Time-consuming re-fitting can largely be eliminated for spaced holes. The RSBMs are therefore an optimal solution for drilling, reaming and tapping large workpieces such as steel beams, welded structures and castings - ideal for flexible use in steel construction and mechanical engineering and for post-processing of cast parts. They are particularly effective for distortion-free processing of heavy plates in boiler and industrial furnace construction, e.g. for production of heat exchangers and pipe support plates.

Standard equipment:

- quick-action drill chuck B 16, 1 - 16 mm
- taper mandrel MK 4 / B 16
- reducing sleeve MK 4 / MK 3
- tool set with drive-out wedge - operating instructions / CE

SPECIFICATIONS	
drilling capacity in steel	50 mm
thread cutting performance	M42
mandrel holding fixture (screw mandrel)	MK 4
speed range	25 - 2000 rpm
speed gradually	16
quill stroke	315 mm
quill feed levels	16
quill feed	0.04 - 3.2 mm/rev
t-slot width	(Table/base) 22/28 mm

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drill head lift	580 mm
mandrel radius	350 - 1600 mm
drill head revolving	± 180 °
quill distance socket	1250 mm
quill distance table min./max.	0 - 750 mm
drilling table surface	630x500 mm
drilling table height	500 mm
motor power	3000 W
lifting spindle engine	1500 W
mains connection	400/50 V/Hz
coolant pump	90 W
cooling pump performance	25 l/min
cubature	630x500x750 mm
length x width	2500 x 1070 mm
height (total)	2840 mm
Weight	3500 kg

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ELMAG® - Start-up Service

Competent execution guaranteed



Including ELMAG®-Quality Check

- Depreservation, degreasing and de-securing
- Assembly until ready for use
- Oil filling of gearboxes, oil baths and central lubrication systems
- Testing of electrics, safety components and devices
- Test run on all shift and power levels
- 30-minute test run at the highest power level
- Checking and, if necessary, adjustment of machine tolerances, e.g. V-belt tension and spindle concentricity
- Testing of all machine functions

For lathes, in addition:

- Lathe chuck reassembly with marking of minimum tolerance
- Measurement of the spindle nose to tolerance < 0.01 mm
- Measurement of the lathe chuck
- Setting the tailstock parallelism

For MIG/MAG/MMA/WIG welding, plasma cutting & induction heating equipment (depending on the type of equipment)

- Assembly of the unit, chassis assembly
- Intermediate hose assembly
- Mains plug assembly and gas hose assembly
- Connection preparation for gas or compressed air
- Control cable plug Assembly on hose assembly
- Installation & activation of water cooling unit for modular systems
- Filling with cooling liquid for liquid-cooled units
- Short test run or test welding