



R 100 is shown

- **a large throat and high boring capacities are supported by a very rigid structural design, without compromising the ease of handling and smoothness of operation**
- the drill head features a rigid design with motorized or manual movement
- spindle speeds and feed velocity are hydraulically controlled for easy and safe operation
- the drill spindle is driven via multi-disk reversing clutch to avoid excessive load peaks and for easy operation
- Base, column, boom and gear head are made of premium high-quality cast
- boom height adjustment via a powerful motorized drive and vertical spindle
- the boom lifting gears run in an oil-bath for maximum reliability and minimum wear
- advanced column swivel design with optimized clamping features maximum rigidity and minimum clamping offset
- swivel axis and travel axis feature extremely smooth operation to make the operator's everyday production work easier
- the gears feature hardened and precision-ground chrome-nickel steel for smooth and low-noise operation



Powerful machining with automatic feed



Depth stop with vernier scale

- all gear parts are lubricated reliably via oil pump
- the main spindle runs on precision bearings and features an automatic spindle brake
- quill teeth are precision-ground for a smooth feed and minimum wear
- the drill head moves on hardened and ground guideways
- Features adjustable overload clutches in the feeds
- adjustable boring depth stop with large, easy to read scale and Nonius

- all operator controls are placed within reach for convenient and practical handling and quick learning
- powerful coolant system with coolant reservoir integrated into the machine foot
- independent hydraulic clamping of head, column and boom
- drill head and column can be clamped/released together or separately; confirmation of operation via push button
- Boom and column are oiled through a reliable central lubrication system

Specifications

R 100

Working area	
Drilling capacity	mm 100
Tapping capacity, cast-iron	M 80
Tapping capacity, steel	M 70
Drilling depth (max.)	mm 500
Machine table dimensions	mm 4.425x1.630x300
Cube table dimensions	mm 1.250x800x630
Throat	mm 570 - 3.150
Spindle nose-to-table surface distance	mm 750 - 2.500
Arm stroke (vertical)	mm 1.000
Column diameter	mm 700
Travels	
Drill head travel (horizontal)	mm 2.580
Headstock	
Speed range	1/min (22) 8 - 1.000
Spindle mount	MT 6
Feed	
Feeds	mm/R 0,06 - 3,2
Drive capacity	
Motor rating main drive	kW 15
Stroke motor	kW 3
Measures and weights	
Overall dimensions (length x width x height)	m 4,78x1,63x4,72
Weight	kg 20.000
Part No.	101659

Standard Equipment

coolant system, cube table, LED work lamp, operator instructions

Options

Part No.

• Coolant Concentrate 5 Ltr.	103184
• Compound Sliding Tables 855x295	106017
• HSS Form Countersing Set round 2 - 12 mm	107615
• HSS Form Countersing Set round 6 - 20 mm	107617
• Power Worker Metal Cutter	123040
• Drill Press quick-action machine vise with V-guides PBS 200	125007
• UMS 200 Universal Machine Vise	125032
• Swivel Table ST 380	129345