



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

- 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	in 3.94
Tapping capacity, cast-iron	M 80
Tapping capacity, steel	M 70
Drilling depth (max.)	in 20
Machine table dimensions	in 174x64x12
Cube table dimensions	in 49x31x25
Throat	in 22 - 124
Spindle nose-to-table surface distance	in 30 - 98
Arm stroke (vertical)	in 39
Column diameter	in 28
Travels	
Drill head travel (horizontal)	in 102
Headstock	
Speed range	rpm (22) 8 - 1,000
Spindle mount	MT 6
Feed	
Feeds	in/R 0 - 0.13
Drive Capacity	
Motor rating main drive	Hp 20.1
Stroke motor	Hp 4
Measures and Weights	
Overall dimensions (length x width x height)	in 189x65x186
Weight	lbs 44,000
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 33.7x11.6	106017
• HSS Form Countersing Set round 0.08 - 0.47 in	107615
• HSS Form Countersing Set round 0.24 - 0.79 in	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