



Radial Drilling Machines

R 80 V



SKU : 101558

Our range of radial drilling machines is one of the most versatile and powerful drilling solutions for drilling, reaming and countersinking in steel or cast iron. These models impress with their easy handling, even of large and heavy workpieces. The long projection arm makes it extremely flexible for use in many production and construction companies. The RV series is the modern, further developed version of the classic radial drilling machine and has been one of the most requested KNUTH models for more than 15 years.

- Infinitely variable spindle speed with digital display
- A cube table offers extended clamping possibilities
- Robust construction for constant high accuracy
- Modern design for easy and comfortable operation

TECHNICAL SPECS

WORKING AREA

Drilling capacity	3.15 in
Tapping capacity, cast-iron	M 60
Tapping capacity, steel	M 52
Drilling depth (max.)	16 in
Machine table dimensions	133 in x 48 in x 11 in
Cube table dimensions	23 in x 33 in x 20 in
Throat	18 in - 100 in
Spindle nose-to-table surface distance	16 in - 62 in
Arm stroke (vertical)	31 in
Column diameter	18 in

TRAVELS

Drill head travel (horizontal)	83 in
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HEADSTOCK

Speed range	30 rpm - 1400 rpm
Spindle mount	6 MT

FEED

Feeds	0 in/R - 0.05 in/R
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DRIVE CAPACITY

Motor rating main drive	10.1 Hp
Stroke motor	3 Hp

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	142 in x 50 in x 139 in
Weight	16280 lbs

PRODUCT DETAILS

- Base, column, boom and gear head are made of premium high-quality cast
- Major design features include a large column and a highly torsion-resistant boom
- 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
- 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
- All models feature 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
- Optimum size/performance ratio and a new drive technology make this a bestseller
- Infinitely variable spindle speed and easy to read digital display
- The quills of the R 60 V and R 80 V feature guided counterweights for easy handling and increased safety
- Manually shiftable feed gears with 8 steps
- Independent hydraulic clamping: boom can be moved vertically without losing the spindle-to-bore alignment
- Drill head and column can be clamped/released together or separately with the push of a button
- A central lubrication system ensures reliable lubrication of the column

STANDARD EQUIPMENT

Coolant system
Cube table
LED work lamp
Operator instructions