Radial Drilling Machines
R 60 V

SKU : 101649

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	60 mm
Tapping capacity, cast-iron	M 52
Tapping capacity, steel	M 40
Drilling depth (max.)	315 mm
Machine table dimensions	2400 mm x 1000 mm x 200 mm
Cube table dimensions	750 mm x 500 mm x 500 mm
Throat	350 mm - 1600 mm
Spindle nose-to-table surface distance	350 mm - 1250 mm
Arm stroke (vertical)	585 mm
Column diameter	350 mm

TRAVELS

Drill head travel (horizontal)	1250 mm

HEADSTOCK

Speed range	38 1/min - 2000 1/min
Spindle mount	5 MT

FEED

Feeds	0.06 mm/R - 1 mm/R

DRIVE CAPACITY

Motor rating main drive	4 kW
Stroke motor	1.5 kW

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	2.49 m x 1.05 m x 2.78 m
Weight	3800 kg

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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

Proven performance, quality and cost-effectiveness

- 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 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
- 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 feature guided counterweights for easy handling and increased safety
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- 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

OPTIONAL EQUIPMENT

- Swivel table 400x600, SKU : 250615

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