

# Radial Drilling Machines R 40 V



**SKU : 101557**

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	40 mm
Tapping capacity, cast-iron	M 40
Tapping capacity, steel	M 32
Drilling depth (max.)	260 mm
Machine table dimensions	2050 mm x 920 mm x 180 mm
Cube table dimensions	620 mm x 450 mm x 450 mm
Throat depth	300 mm - 1300 mm
Spindle nose-to-table surface distance	300 mm - 1200 mm
Arm stroke (vertical)	640 mm
Column diameter	280 mm

### DRIVE CAPACITY

Motor rating main drive	2.2 kW
Stroke motor	1.1 kW

### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	2.07 m x 0.85 m x 2.43 m
Weight	2300 kg

### TRAVELS

Drill head travel (horizontal)	1000 mm
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### HEADSTOCK

Speed range	54 1/min - 2150 1/min
Spindle mount	4 MT

### FEED

Feeds	0.1 mm/R - 0.63 mm/R
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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
- 40 mm boring capacity, large throat and compact dimensions
- Infinitely variable speed control with back gearing for high torque across the entire speed range
- 4-step feed gears
- The boom can be moved vertically, while column and head remain clamped and fixed in their positions
- The drill head can be moved radially and positioned with high precision via a centrally located hand-wheel
- A clamping lever at the drill head allows the operator to release the boom so it can be moved via a hand-wheel, and to swivel the boom and fix it again in its position
- Manual central lubrication

## STANDARD EQUIPMENT

Coolant system  
Cube table  
LED work lamp  
Operator instructions