KNUTH
MACHINE TOOLS

Radial Drill Press

R 40 V • R 60 V • R 80 V

Perfect in every detail, powerful, rigid and easy to handle

R 60 V

- **Infinitely variable speed control**
- **Large work area**

- Major design features include a large column and a highly torsion-resistant boom
- Advanced column swivel design with optimized clamping features maximum rigidity and minimum clamping offset
- The gears feature hardened and precision-ground chrome-nickel steel for smooth and low-noise operation
- 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

R 60 V • R 80 V

- 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

R 40 V

R 40 V

- 1.8 in. boring capacity, large throat and optimum
- 4-step feed gears
- Infinitely variable speed control with back gearing for high torque across the entire speed range
- 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 pre-select, if the boom should be released for swiveling, whereby both axes will be simultaneously fixed in the requested position above the drill head clamping lever
- Manual central lubrication

Options

Options	Part No.
• E-R60V spare parts package for 5 years for part no. 101649	259127
• Lathe Bore Head with Boring Bar Set 3 in 12 pcs.	108633
• Tapping Attachment M8 - M20 (MT3 + MT4)	106037
• Universal Facing / Lathe Bore Head ADA / MT 4	103402
• E-R40 V spare parts package for 5 years for part no. 101556	259069
• Reduction Sleeve MT 4/3	103830
• E-R80 V spare parts package for 5 years for part no. 101558	259070

Standard Equipment

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

Specifications

Specifications		R 40 V	R 60 V	R 80 V
Working Area				
Drilling capacity	in	1.57	2.44	3.15
Tapping capacity, cast-iron		M 40	M 52	M 60
Tapping capacity, steel		M 32	M 46	M 52
Drilling depth (max.)	in	10	12	16
Machine table dimensions	in	81x36x7	94x39x8	133x48x11
Cube table dimensions	in	24x18x18	30x20x20	23x33x20
Throat	in	12 - 51	14 - 63	18 - 100
Spindle nose-to-table surface distance	in	12 - 47	14 - 49	16 - 62
Arm stroke (vertical)	in	25	23	31
Column diameter	in	11	14	18
Travels				
Drill head travel (horizontal)	in	39	49	83
Headstock				
Speed range	rpm	54 - 2,150	38 - 2,000	30 - 1,400
Spindle mount		MK 4	MT 5	MT 6
Feed				
Feeds	in/R	0 - 0.02	0 - 0.04	0 - 0.05
Drive Capacity				
Motor rating main drive	Hp	3	5.4	10.1
Stroke motor	Hp	1.5	2	3
Measures and Weights				
Overall dimensions (length x width x height)	in	82x34x96	99x42x110	142x50x139
Weight	lbs	5,060	8,360	16,280
Part No.		101557	101649	101558