



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

R 60 V

- 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 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

R 60 V • R 80 V

- infinitely variable spindle speed and easy to read digital display
- the quills feature guided counterweights for easy handling and increased safety
- 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

- 40 mm boring capacity, large throat and compact dimensions
- 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 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

Options

Part No.

• E-R60V Spare Parts package for Art. Nr. 101649	259127
• Lathe Bore Head with Boring Bar Set 75 mm 12 pcs.	108633
• Tapping Attachment M8 - M20 (MT3 + MT4)	106037
• Universal Facing / Lathe Bore Head ADA / MT 4	103402
• E-R40 V spare part package for 5 years for art. no. 101556	259069
• Reduction Sleeve MT 4/3	103830
• E-R80 V spare part. package for 5 years for art. 101558	259070

Standard Equipment

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

Specifications

		R 40 V	R 60 V	R 80 V
Working area				
Drilling capacity	mm	40	62	80
Tapping capacity, cast-iron		M 40	M 52	M 60
Tapping capacity, steel		M 32	M 46	M 52
Drilling depth (max.)	mm	260	315	400
Machine table dimensions	mm	2.050x920x180	2.400x1.000x200	3.380x1.230x280
Cube table dimensions	mm	620x450x450	750x500x500	580x850x500
Throat	mm	300 - 1.300	350 - 1.600	450 - 2.550
Spindle nose-to-table surface distance	mm	300 - 1.200	350 - 1.250	400 - 1.580
Arm stroke (vertical)	mm	640	585	800
Column diameter	mm	280	350	450
Travels				
Drill head travel (horizontal)	mm	1.000	1.250	2.100
Headstock				
Speed range	1/min	54 - 2.150	38 - 2.000	30 - 1.400
Spindle mount		MK 4	MK 5	MK 6
Feed				
Feeds	mm/R	0,1 - 0,63	0,06 - 1	0,06 - 1,38
Drive capacity				
Motor rating main drive	kW	2,2	4	7,5
Stroke motor	kW	1,1	1,5	2,2
Measures and weights				
Overall dimensions (length x width x height)	m	2,07x0,85x2,43	2,49x1,05x2,78	3,59x1,25x3,53
Weight	kg	2.300	3.800	7.400
Part No.		101557	101649	101558