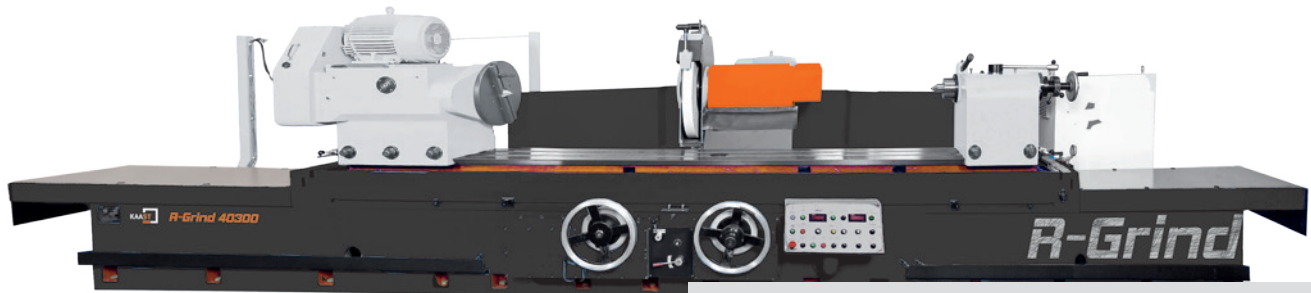


# Cylindrical Grinding R-Grind HD



T e c h n i c a l   D a t a s h e e t



- High-performance grinding for accurate production of large-work pieces such as car axles, hydraulic cylinders, etc.
- High-quality Meehanite cast iron with heavy ribbing ensures high overall stiffness, even with heavy workpieces
- A precision grinding spindle bearing ensures the highest accuracy
- The belt-driven spindle stock with adjustable speed ensures continuous optimal conditions for grinding
- Automatic lubrication of the headstock
- Hydraulically driven table feed with soft-stop at the end of the movement
- All feed rates are infinitely variable ensuring a high quality surface finish
- Rapid approach / withdrawal of the grinding wheel
- Hydrostatic bearing of the spindle and tailstock

### Standard configuration:

- ✓ Grinding wheel (standard)
- ✓ Grinding wheel flange (standard)
- ✓ Flange removal device
- ✓ Front / side dressing device
- ✓ Balancing arbor
- ✓ Carbide centering tip MK 6
- ✓ Pivoting headstock
- ✓ Tailstock with lever operation
- ✓ Splash protection
- ✓ Diamond dresser
- ✓ Coolant system
- ✓ Levelling bolts and feet
- ✓ Operating tools
- ✓ Manual

### Optional configuration:

- Internal grinding unit
- Coolant filtration system, filter paper or magnetic separator
- 3-jaw chuck (self-centering), includes adapter plate
- 4-jaw chuck (jaws set separately), includes adapter plate
- Grinding wheel balancing stand
- Shaft to outer drive (various)
- 2-point bezel (fixed)
- Radii dressing device
- Angle dressing device
- Grinding wheel (extra)
- Grinding wheel flange (extra)
- Digital position indicator

Technical specifications		R-Grind HD		
		40300	40350	40400
Grinding capacity	mm		Ø800	
Distance between centers	mm	3000	3500	4000
Max. workpiece weight	kg		2000	
Grinding wheel dimensions	mm		812x76x304	
<b>Grinding spindle</b>				
Speed	rpm		1100	
Rapid approach	mm		60	
Travel (total)	mm		420	
Transverse feed	mm		1	
Transverse feed increment	mm		0.005	
<b>Headstock</b>				
Speed	rpm		10-100	
Taper			MK 6	
<b>Tailstock</b>				
Taper			MK 6	
Quill travel	mm		76	
<b>Table</b>				
Longitudinal feed rate	mm/min		50-3000	
Table slant	deg		0-5°	
Longitudinal feed	mm		4.5	
<b>Motor</b>				
Grinding spindle motor	kW		15	
Headstock motor	kW		7.5	
Hydraulic pump motor	kW		0.375	
Lubrication system	kW		2.25	
Coolant pump motor	kW		0.375	
Weight	kg	18500	22000	25000
Item-No.		<b>3100018</b>	<b>3100019</b>	<b>3100020</b>

\*The above specifications are subject to change without prior notice, no liability for printing mistakes. Machine may be shown with optional equipment.