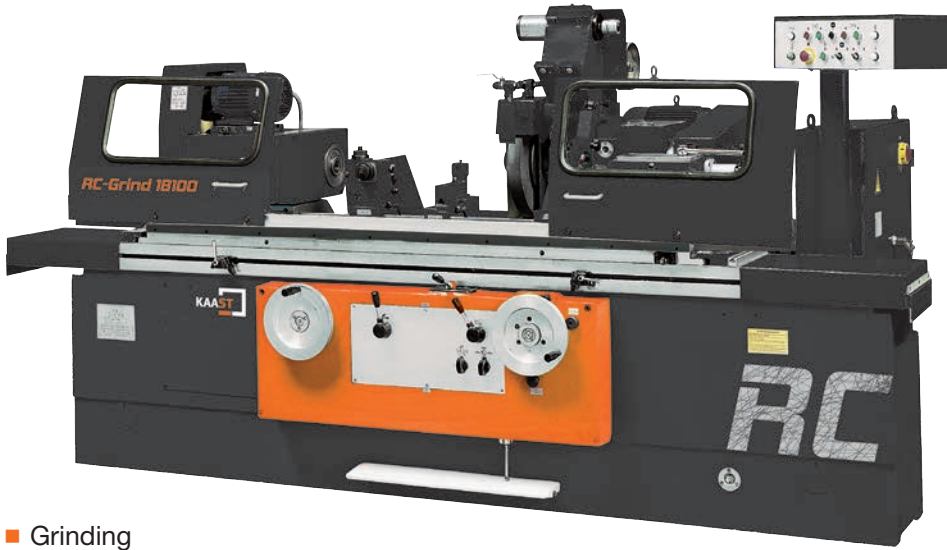




ID/OD Cylindrical grinder

RC-Grind 18100

12" x 39"



- Grinding spindle mounted on both sides in adjustable 3-segment bearings
- The hydrostatic bearing of the main spindle produces a film of oil between the bearing and the spindle. This eliminates vibration and provides high precision and surface quality, also increasing the service life of the spindle.
- Precisely aligned spindle head and a sturdy table for best results in different applications
- Machine table swivels in 2 directions
- Table movement is carried out manually by hand wheel or automatically via the hydraulic feeder in the longitudinal direction

- Table feed rate is infinitely adjustable
- A delay can be adjusted into the end of the table movement
- Accuracy according to ISO for cylindrical grinding machines
- With internal grinding unit
- Rapid traverse can be hydraulically or manually actuated

Standard configuration

- 3-jaw chuck
- Internal grinding unit
- Open steady rest
- Closed steady rest
- Coolant system
- Dressing device
- Balancing stand
- Balancing arbor
- Grinding wheel flange (standard)
- Grinding wheel (standard)
- Diamond dresser
- Backsplash guard
- Dead center
- Tool kit
- Operation manual

Specifications		RC-Grind 18100		Specifications		RC-Grind 18100		
		12.5" x 39"				12.5" x 39"		
Center height	mm	180 (7")		Max. transverse travel	mm	245 (9.5")		
Grinding capacity	mm	Ø320 (12.5")		Table movement	m/s	35		
Grinding capacity (with rest)	mm	Ø100 (3.9")		Spindle speed	rpm	1,670		
Min. grinding diameter	mm	Ø15 (0.59")		Rapid transverse travel	mm	50 (2")		
Max. grinding length	mm	1000 (39")		HEADSTOCK				
Max. workpiece weight	kg	150 (330 lbs)		Taper		MT 4		
Grinding wheel dimensions (OD/width/ID)	mm	Ø400x50xØ203 (15.5x2x7.9")		Speed	rpm	25–220		
Longitudinal table travel	mm	1000 (39")		3-jaw chuck diameter	mm	Ø200 (7.8")		
Table swivel	deg	+3°–7°		Swivel range	deg	±30°		
Table feed	m/min	0.1–4 (4–156"/min)		TAILSTOCK				
Longitudinal feed increment	mm	0.5 (0.02")		Taper		MT 4		
Feed per revolution (Longitudinal feed)	mm	2 (0.08")		Travel	mm	30 (1.1")		
Transverse feed increment	mm	0.0025 (0.0001")		ACCURACY				
Feed per revolution (Transverse feed)	mm/rev	0.01 (0.004"/rev)		Radial runout deviation	mm	0.003 (0.0012")		
INTERNAL GRINDING ATTACHMENT								
Internal grinding diameter	with rest	mm	Ø35–100 (1.4–3.9")		Axial runout deviation	mm	0.006 (0.00023")	
	without rest	mm	Ø30–100 (1.1–3.9")		Roughness	um	RA ≤0.32	
Max. internal grinding depth		mm	125 (4.9")		Main spindle motor	kW	5.5 (7.5 Hp)	
Grinding spindle size	max	mm	50x25x13 (2x1x0.5")		Headstock motor	kW	0.75 (1 Hp)	
	min	mm	17x20x6 (0.6x0.8x0.2")		Hydraulic pump motor	kW	0.75 (1 Hp)	
Spindle speed	rpm	10,000		Total power	kW	7.5 (10 Hp)		
GRINDING SPINDLE								
Max. swivel angle	deg	±90°		Dimensions (L/W/H)	mm	3605x1810x1515 (140x70x59")		
						Weight	kg	3700 (8,140 lbs)
						Item No.	3100007	