



Surface-grinding machine

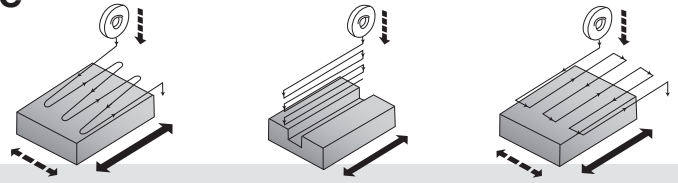
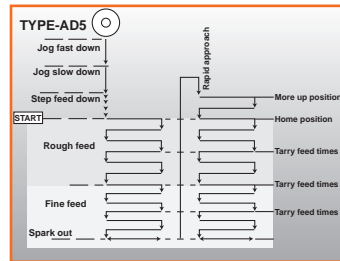
F-Grind AH

6x18" to 16x31"



AD 5 NC-control:

- Automatic vertical feed of the grinding spindle
- Automatic cross feed of the table
- Automatic control of number of passes
- Various different grinding cycles



Standard configuration

- Grinding wheel (standard)
- Grinding wheel flange (standard)
- Balancing arbor
- Balancing stand
- Diamond dresser
- Work light
- Leveling pads and bolts
- Tool kit
- Operation manual

Optional configuration:

- AD 5 NC control
- Magnetic chuck
- Coolant system with paper filter and magnetic separator
- Automatic demagnetizing
- Extra grinding wheel
- Backsplash guard
- Parallel dresser (manual)
- NC-controlled dressing and compensating device
- Micro-fine cross feed
- Micro-fine vertical feed
- Vertical rapid feed

- The spindle runs on preloaded precision angular ball bearings
- Automatic transverse and longitudinal feed
- Rapid traverse to the desired working height
- Roughing and finishing parameters are adjustable
- Hydraulic table movement in the longitudinal axis
- Combined flat and V guides for the longitudinal movement of the table
- Double V guide for transverse movement of the table
- Table guideways are hardened, ground and PTFE (polytetrafluoroethylene) coated for very high wear resistance
- Automatic lubrication

Specifications		F-Grind				
		1545 AH 6" x 18"	2045 AH 8" x 18"	2550 AH 10" x 20"	3060 AH 12" x 23"	4080 AH 16" x 31"
Table dimensions (W/L)	mm	150x450 (5.8x17.5")	200x450 (8x17.5")	250x500 (9.75x19.5")	300x600 (11.5x23")	400x800 (15.5x31")
Max. workpiece dimensions	mm	150x450 (5.8x17.5")	200x450 (8x17.5")	250x500 (9.75x19.5")	340x700 (13x27")	450x860 (17.5x33.5")
Distance spindle center-table	mm	450 (17.5")	450 (17.5")	500 (19.5")	500 [opt. 600] (19.5" [opt. 23"])	550 [opt. 650] (21.6" [opt. 25"])
Longitudinal feed rate	m/min	5–25 (195–975"/min)				
Automatic transverse feed increment	mm	0.1–12 (0.004–0.5")			0.1–20 (0.004–0.8")	
Rapid cross feed	mm/min	900 (35"/min)				
Transverse feed increment	mm	0.02 (0.0008")				
Transverse feed per revolution	mm	5 (0.2")				
Vertical feed increment	mm	0.01 [opt. 0.005] with AD5 (0.0004" [opt. 0.0002"])				
Vertical feed per revolution	mm	2 (0.08")				
Rapid vertical feed **	mm/min	450 (17"/min)				
Automatic down feed **	mm	0.001–0.999 (0.00004–0.04")				
Spindle speed	rpm	2900			1450	
Grinding wheel dimensions OD/bore/width (standard)	mm	Ø180x13xØ31.75 (7x0.5x1.25")	Ø180x13xØ31.75 (7x0.5x1.25")	Ø180x13xØ31.75 (7x0.5x1.25")	Ø355x38xØ127 (14x1.5x5")	406x50xØ127 (16x2x5")
Main spindle motor	kW	1.5 (2 Hp)			3.75 (5 Hp)	3.75 [opt. 5.5] (5 Hp [opt. 7.5 Hp])
Hydraulic pump motor	kW	0.75 (1 Hp)			0.75 (1 Hp)	1.5 (2 Hp)
Dimensions (L/W/H)	mm	2120x1460x1950 (83x57x76")	2120x1460x1950 (83x57x76")	2120x1460x2000 (83x57x78")	2280x1790x2100 (89x70x82")	2760x2280x2150 (108x89x84")
Weight	kg	900 (1,980 lbs)	950 (2,090 lbs)	1350 (2,970 lbs)	1700 (3,740 lbs)	3250 (7,150 lbs)
Item No.		3720001	3720002	3720004	3720006	3720008

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment. – ** AD 5 NC only