



Specification For Surface Grinder

B:Ball Slideways
1A:Long. Hydraulic Traverse
2A:1A+Motorized Cross Feed

SPECIFICATON

DESCRIPTION		ORDER NO.	SG-614	SG- 618B 618	SG-818B	SG- 1A618 2A618
General Capacity	Table size		150 x 355mm (6x14")	150 x 457mm (6x18")	200 x 457mm (8x18")	150 x 457mm (6x18")
	Max.grinding length		375mm (14-3/4")	475mm (18-3/4")	475mm (18-3/4")	475mm (18-3/4")
	Max.grinding width		160mm (6-1/3")	160mm (6-1/3")	200mm (8.6")	160mm (6-1/3")
	Distance from table surface to spindle center		420mm (16.5")	420mm (16.5")	410mm (16")	415mm (16.3")
Longitudinal Movement	Manual travel		380mm (15")	480mm (18-7/8")	485mm (19")	485mm (19")
	Hydraulic traverse		—	—	—	480mm (18-15/16")
	Table speed (infi variable)		—	—	—	1-25M/min
Cross Movement	Manual travel		170mm (6.7")	176mm (6-15/16")	230mm (9")	180mm (7")
	Rapid traverse (2A/3A/AD)		—	—	—	1200mm/min
	Auto increment feeds (2A/3A/AD)		—	—	—	0.15-7.5mm
	Handwheel per graduation		0.02mm (0.001")	0.02mm (0.001")	0.02mm (0.001")	0.02mm (0.001")
	Handwheel per revolution		5mm (0.2")	5mm (0.2")	5mm (0.2")	5mm (0.2")
Vertical Downfeed	Rapid traverse (3A)		—	—	—	220mm/min (9"/min)
	Auto downfeed (AD)		—	—	—	0.001-0.099mm (0.00003"-0.004")
	Handwheel per graduation		0.005mm (0.0002")	0.005mm (0.0002")	0.005mm (0.0002")	0.005mm (0.0002")
	Handwheel per revolution		1mm (0.05")	1mm (0.05")	1mm (0.05")	1mm (0.05")
Grinding Wheel	Wheel size (dia x width x bore)		180x16x32mm (7x2/3x1-1/4")	205x13x31.75mm (8x1/2x1-1/4")	205x13x31.75mm (8x1/2x1-1/4")	205x13x31.75mm (8x1/2x1-1/4")
	Spindle speed (60HZ/50HZ)		3600/3000rpm	3600/3000rpm	3600/3000rpm	3600/3000rpm
Motors	Spindle motor		1HP (1.5/2HP opt)	1.5HP (2HP opt)	2HP (3HP opt)	1.5HP (2HP opt)
	Cross feed motor (2A/3A/AD)		—	—	—	1/6HP
	Elevating motor (3A/AD)		—	—	—	1/4HP
	Hydraulic motor		—	—	—	1HP
Weight			560kgs (1232lbs)	780kgs (1716lbs)	900kgs (1980lbs)	885kgs (1974lbs)
Packing Size	Length x width x height		1300x1150x1980mm (52"x45"x78")	1400x1040x2000mm (55-1/8"x40-15/16"x78-3/4")	1600x1250x1980mm (63"x49"x78")	1600x1150x1980mm (63"x45"x78")
AD Packing	Length x width x height		—	—	—	1970x1430x2100mm (618AD)
CODE NO.			8001-050	8001-051 8001-052	8001-053	8001-054 8001-055

NOTE:We reserve the right to modify the specs of this brochure without prior notice.

OPTIONAL ACCESSORIES

- 1.Electromagnetic chuck
- 2.Permanent mag. chuck
- 3.Inclinable permanent magnetic chuck
- 4.Dust collector
- 5.Coolant system
- 6.Coolant & dust unit
- 7.Diamond dresser
- 8.Splash guard
- 9.Balancing stand
- 10.Chuck control with auto demagnetizer
- 11.Spare wheel flange
- 12.Halogen lamp
- 13.Radius forming attachment
- 14.Precision vise
- 15.Punch former
- 16.Digital read out

STANDARD ACCESSORIES

- 1.Grinding wheel with flange
- 2.Wheel extractor
- 3.Wheel wrench
- 4.Balancing arbor
(1A/2A/3A/AD SERIES ONLY)
- 5.Auto lube system
- 6.Tool box with adjusting tools
- 7.Levelling screws with blocks
- 8.Operation manual with parts list