

Items	Unit	GP/GA14W	GP/GA15W
Distance between centers	mm (in.)	250 (9.84)	
Swing over table	mm (in.)	ø330 (ø12.99)	
Max grinding dia	mm (in.)	ø150 (5.91)	
Maximum wheel diameter	mm (in.)	ø405 (ø15.94)	ø510 (ø20.8)
Maximum workpiece length	mm (in.)	250 (9.84)	
Max workpiece weight	Center supported	kg (lb)	20 (44)
	Chuck supported	kg × mm (lb × in.)	10 × 100 (22 × 3.94)
Wheel	Wheel size	mm (in.)	ø405 × ø127 (ø15.94 × ø5.00)   ø510 × ø203.2 (ø20.08 × ø8.00)
	Max width	mm (in.)	75 (2.95)
	Grinding wheel speed	m/min (fpm)	2,700 [3,600] (8,859 [11,812])
Wheelhead (X-axis)	Travel	mm (in.)	325 (12.8)
	Automatic cutting speed	mm/min (ipm)	ø0.0012 to ø6,000 (ø0.00004 to ø236.22)
	Positioning speed	m/min (fpm)	ø30 (ø98)
	Min command increment	mm (in.)	ø0.0001 (ø0.000004)
Saddle (Z-axis)	Travel	mm (in.)	GP: 395 (15.55) GA: 440 (17.32)
	Automatic cutting speed	mm/min (ipm)	0.0006 to 6,000 (0.00002 to 236.22)
	Positioning speed	mm/min (ipm)	20,000 (787.40)
	Min command increment	mm (in.)	0.0001 (0.000004)
Workhead	Tapered bore	MT No.3 [Dead center workhead, Dead/live headstock] MT No.4 [Chucking headstock]	
	Speed	min <sup>-1</sup>	Max 1,000
	No. of speed steps	Infinitely variable	
Tailstock	Tapered bore	MT.No.3	
	Working travel	mm (in.)	35 [50] (1.38 [1.97])
	Manual taper offset	mm (in.)	±ø0.08 (±ø0.003)
Motors	Grinding wheel axis	kW (hp)	5.5 [7.5] (7.5 [10])
	For headstock (C axis)	kW (hp)	1.7 (2.27)
	For wheelhead (X axis)	kW (hp)	2.2 (3)
	For saddle (Z axis)	kW (hp)	2.2 (3)
	For coolant pump	kW (hp)	50Hz: 0.39 (0.52) 60Hz: 0.62 (0.83)
	Hydraulic oil-lube pump	kW (hp)	1.5 (2.0)
	For wheel spindle lubricating oil	kW (hp)	0.075 (0.1)
	For slideway lubricating oil	kW (hp)	0.017 (0.02)
Tank capacity	Coolant tank	L (gal)	200 (52.8)
	Hydraulic oil-lube tank	L (gal)	20 (5.28)
	Wheel spindle lube tank	L (gal)	14 (3.7)
	Slideway lubricant tank	L (gal)	4.2 (1.1)
Weight	kg (lb)	4,000 (8,800)	
CNC		OSP-P300GA	

[ ]: Optional