

Specifications	SGC	SGC8	SGC12	SGC16	SGC20	SGC23	SGC27	SGD	SGD12	SGD16	SGD20	SGD23	SGD27	SGD39
Main Dimensions														
Max. Grinding Width		9.44"	12.59"	15.74"	19.68"	23.62"	27.55"		12.59"	15.74"	19.68"	23.62"	27.55"	39.37"
Table Length		18.1"	39.3"	39.3"	39.3"/47.2"/59"	47.2"/62.9"/78.7"	62.9"/78.7"		39.3"	39.3"	39.3"/47.2"/59"	47.24"/62.99"/78.74"	62.99"/78.74"	118.11"
Standard magnetic chuck size (W x L)		7.87" x 18.1"	12.5" x 39.3"	15.7" x 39.3"	19.6" x 39.3" 19.6" x 47.2" 19.6" x 59"	19.6" x 47.2"/ 23.6" x 62.9"/ 23.6" x 78.7"	27.5" x 62.9" 27.5" x 78.7"		12.5" x 39.3"	15.7" x 39.3"	19.6" x 39.3" 19.6" x 47.2" 19.6" x 59"	19.6" x 47.2" 23.6" x 62.9" 23.6" x 78.7"	27.5" x 62.9" 27.5" x 78.7"	39.3" x 118.1"
Distance from wheel center line to table top surface		18.7"	22.83"	22.83"	29.5"	27.55"	27.55"		22.8"	22.83"	29.5"	27.55"	27.55"	34.6"
Max. Workpiece weight (include magnetic chuck)		330lbs	1,103lbs	1,103lbs	2,206lbs	2206lbs/3088lbs/3750lbs	3309lbs/3970lbs		1,103lbs	1,103lbs	2,206lbs	2206lbs/3088lbs/3750lbs	3309lbs/3970lbs	4,800lbs
Net Weight		2,868lbs	7,750lbs	8,163lbs	11,030lbs 11,030lbs 13,236lbs	12,133lbs 14,339 16,545lbs	16,104lbs 17,648lbs		7,721lbs	8,165lbs	11,030lbs	12,133lbs 14,339 16,545lbs	16,104lbs 17,648lbs	35,296lbs
Floor Space Dimensions (L x W x H)		70" x 55" 70"	137" x 78.7" x 78.7"	138" x 87" x 79"	177" x 93" x 95" 197" x 99" x 95" 228" x 99" x 95"	228" x 98" x 95" 228" x 98" x 95" 252" x 98" x 95"	248" x 102" x 95" 259" x 98" x 95"		138" x 120" x 79"	138" x 87" x 79"	177" x 93" x 95" 196" x 98" x 95"	228" x 98" x 95" 228" x 98" x 95" 252" x 98" x 95"	248" x 102" x 95" 260" x 98" x 95"	295" x 118" x 130"
Wheelhead														
Wheel Size dia.x width x bore		7.87" x .78" x 1.25"	16" x 1.57" x 5"	16" x 1.57" x 5"	16" x 1.57" x 5"	16" x 1.57" x 5"	16" x 1.57" x 5"		13.7" x 1.18" x 5"	16" x 1.57" x 5"	16" x 1.57" x 5"	16" x 1.57" x 5"	16" x 1.57" x 5"	16" x 1.57" x 5"
Motor Power		2.0hp (1.5 kw)	7.5hp (5.5 kw)	7.5hp (5.5 kw)	10hp (7.5 kw)	10hp (7.5 kw)	10hp (7.5 kw)		7.5hp (5.5kw)	7.5hp (5.6 kw)	10hp (7.5 kw)	10hp (7.5 kw)	10hp (7.5 kw)	10hp (7.5 kw)
Wheel speed		2850rpm	1740rpm	1450rpm	1400rpm	1400rpm	1400rpm		1450rpm	1450rpm	1450rpm	1400rpm	1400rpm	1450rpm
Table Traversing														
Mechanism		Servomotor	Servomotor	Servomotor	Servomotor	Servomotor	Servomotor		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Max. Travel		21.25"	43.3"	43.3"	44.8"/51.1"/62.9"	51.18"/66.92"/82.67"	82.67"		43.3"	43.3"	44.8"/51.1"/62.9"	51.18"/66.92"/82.67"	66.9"/82.67"	126"
Downfeed														
Mechanism		Servomotor	Servomotor	Servomotor	Servomotor	Servomotor	Servomotor		Plc-stepmotor	Plc-stepmotor	Plc-stepmotor	Plc-stepmotor	Plc-stepmotor	Plc-stepmotor
Min. increment on downfeed handwheel		0.0001"	0.0001"	0.0001"	0.0001"	0.0001"	0.0001"		0.0001"	0.0001"	0.0001"	0.0001"	0.0001"	0.0001"
Rapid move speed		7"ipm	9"ipm	9"ipm	9"ipm	9"imp	9"ipm		9"ipm	9"ipm	9"ipm	9"ipm	9"ipm	9"ipm
Crossfeed														
Mechanism		Servomotor	Servomotor	Servomotor	Servomotor	Servomotor	Servomotor		Manual or hydraulic	Manual or hydraulic	Manual or hydraulic	Manual or hydraulic	Manual or hydraulic	Manual or hydraulic
Max. Travel		9.44"	14.17"	17.32"	21.2"	25.59"	25.19"		14.17"	17.3"	21.2"	25.19"	25.19"	27.5"
Coolant System														
Sedimentation system		13 gpm	13 gpm	13 gpm	13 gpm	13 gpm	13 gpm		13 gpm	13 gpm	13 gpm	13 gpm	13 gpm	0.16 hp / 0.12 Kw.