



500 Series Precision Center Lathe



The 500 series lathes proves that quality, safety, versatility and straightforward operation can be optimally combined. Regardless of whether one-off or small batch production is required in a handicraft or industrial environment or whether tools, jigs or fixtures are to be manufactured; the 500 series proves itself as the ideal choice for countless applications. It has an inherent versatility that can be expanded through an extensive range of accessories.

		512 12" x 25"	513 13" x 30"	519 19" x 39"
Working Range	Turning Length / Center Distance	25" (650mm)	29.53" (750mm)	39.37 (1000mm)
	Height of Center	6.3"	6.5"	9.06"
		160mm	165mm	230mm
	Swing Over Bed	12.6"	12.99"	18.7"
		320mm	330mm	475mm
	Swing Over Cross Slide	7.48"	7.28"	10.63"
		190mm	185mm	270mm
	Travel of Cross Slide	5.91" (150mm)	6.89" (175mm)	8.46" (215mm)
	Travel of Top Slide	4.33" (110mm)		4.53" (115mm)
	Width of Bed	8.07" (205mm)	9.45" (240mm)	12.01" (305mm)
Turning Tool (height x width)	3/4 x 3/4"		1 1/4 x 1 1/4"	
	20 x 20 mm		32 x 32 mm	
Spindle nose - DIN 55029	D1-4		D1-5	
	Spindle Diameter in Front Bearing	2.76"	3.54"	
		70mm	90mm	
	Spindle Bore	1.57"	2.2"	
40mm		56mm		

Main Spindle	Inside Taper of Spindle	MT5		MT6
	Drive Power at 100% duty cycle	8.7hp	7.4hp	10hp
		6.5kW	5.5kW	7.5kW
	Speed Range	30 - 4000rpm	22-2500rpm	13-2000rpm
	Number of Speeds	Stepless	32	24
	Max. Torque of Spindle at 100%	-	435ft.lbs	958ft.lbs.
-		590Nm	1300Nm	
Feed Rate	Longitudinal (Z-axis)	.0008-.025ipr	.0006 -.146ipr	0.0011-0.323ipr
		.02-0.63mm/rev	0.028-8.2mm/rev	0.015-3.7mm/rev
	Transverse (X-Axis)	.0002-.008ipr	.0002-.054ipr	0.0006-0.16ip
		.006-.2mm/rev	.006-1.37mm/rev	0.014-4.1mm/rev
Threadcutting	Metric Threads	0.25-8mm	0.18-28mm	0.3-80mm
	Inch Threads	2-80tpi	1 1/2-80tpi	2 3/4-80tpi
	Modular Threads	0.25-4mm	0.1-9mm	0.2-26mm
	Diametral Threads	5-200DPI	2 3/4-200DPI	1-80DPI
Tailstock	Quill Diameter	3.35" (85mm)	4.33"(110mm)	2.76"(70mm)
	Inside Taper of Quill	3 MT		4 MT
Weight	Shipping Weight	2017lbs.	2381lbs.	3748lbs.
		915kg	1080kg	1700kg.
Dimensions	Length x Width x Height	62x37x61"	72x35x61"	93x39x57
		1.6x.9x1.5M	1.8x.88x1.5M	1.8x.88x1.5M