



500 Series universal Center Lathes



The Universal Center lathe models are robust and of the highest quality construction. Guaranteed precision, high performance, yet extremely easy to use. All models retain a high resale value and long life. These models offer increased safety advantages for the operator:

- emergency stop buttons on the headstock and apron
- Chuck guard monitored through limit switch
- Change gear door monitored through limit switch
- Automatic braking of the main spindle
- Restart protector in case of power cut



		517 17" x 39"	521 21" x 39"	517 17" x 59"	521 21" x 59"	521 21" x 79"
Working Range	Turning Length / Center Distance	39.4" (1.0M)		59.1" (1.5M)		78.7" (2M)
	Height of Center	8.3"	10.2"	8.3"	10.2"	10.2"
		210mm	260mm	210mm	260mm	260mm
	Swing Over Bed	17.1"	21.1"	17.1"	21.1"	21.1"
		435mm	535mm	435mm	535mm	535mm
	Swing Over Cross Slide	9.6"	13.6"	9.6"	13.6"	13.6"
		245mm	345mm	245mm	345mm	345mm
	Travel of Cross Slide	13.0" (330mm)				
	Travel of Top Slide	5.1" (130mm)				
	Width of Bed	13.0" (330mm)				
Turning Tool (height x width)	1 x 1"					
	25 x 25mm					
Spindle	nose - DIN 55029	D1-6				
	Diameter in Front Bearing	3.3"	3.9"	3.3"	3.9"	3.9"
		83mm	100mm	83mm	100mm	100mm
	Bore	2.0"	2.8"	2.0"	2.8"	2.8"
52mm		71mm	52mm	71mm	71mm	
Inside						

Main Spindle	Taper of Spindle	57	76	57	76	
	Drive Power at 100% duty cycle	7hp	10hp	7hp	10hp	10hp
		5.5kW	7.5kW	5.5kW	7.5kW	7.5kW
	Speed Range	44 - 2000 rpm	33-1500rpm	44-2000rpm	33 - 1500rpm	
	Number of Speeds	12				
	Max. Torque of Spindle at 100%	663.2ft.lbs.	810.6ft.lbs.	663.2ft.lbs.	810.6ft.lbs.	
900Nm		1100Nm	900Nm	1100Nm		
Feed Rate	Longitudinal (Z-axis)	0.0003 - .157ipr				
		0.007 - 4mmpr				
	Transverse (X-Axis)	0.001 - 0.079ipr				
		0.035 - 2mmpr				
Threadcutting	Metric Threads	0.5 - 28 mm				
	Inch Threads	1-56tpi				
	Modular Threads	0.25 - 14mm				
	Diametral Threads	0.2 - 112 DPI				
Tailstock	Quill Diameter	2.6" (65mm)				
	Inside Taper of Quill	4 MT	5 MT	4 MT	5MT	
Weight	Shipping Weight	3284.7lbs.	3329lbs.	3747.7lbs.	3879.9lbs.	4519.2lbs.
		1490kg	1510kg	1700kg	1760kg	2050kg
Dimensions	Length x Width x Height	88.6 x 43.3 x 57.1"		108.3 x 47.2 x 57.1"		128x47x57"
		2.25x1.1x1.45M		2.75x1.2x1.45M		3.25x1.2x1.45M