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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

		522	525	525A	528	528A
Working Range	Turning Length / Center Distance	39.4" (1.0M)				
		78.7" (2.0M)				
		118.1" (3.0M)				
		157.5" (4.0M)				
	Swing Over Bed	22"	24.8"	24.8"	27.9"	27.9"
		560mm	630mm	630mm	710mm	710mm
	Swing Over Cross Slide	12.6"	14.9"	14.9"	17.3"	17.3"
		320mm	380mm	380mm	440mm	440mm
	Width of Bed	17.0" (433mm)				
	Quick-Change Tool holder (Size)	C				
	Spindle nose -DIN 55029	D1-8	D1-8	2 x D1-11	D1-8	2 x D1-11
Main Spindle	Spindle Bore	4.1"	4.1"	5.5"	4.1"	5.5"
		105mm	105mm	140mm	105mm	140mm
	Inside Taper of Spindle	115	115	150	115	150
	Drive Power at	20hp				
	100% duty cycle	15 kW				
	Speed Range	18 - 1800 rpm		15 -1400rpm		
	Number of Speeds	21				
	Max.	1844 ft.lbs.				
	Torque of Spindle at 100%	2500Nm				
Feed Rate	Longitudinal	0.002-.128ipr				
	(Z-axis)	0.05 -3.26mmpr				
	Transverse	0.001 - 0.064ipr				
	(X-Axis)	0.025 -1.63mmpr				
Thread Cutting	Metric Threads	1-88 mm				
	Inch Threads	1-88 tpi				
	Modular Threads	1-88 mm				
	Diametral Threads	1-88 DPI				

Tailstock	Quill Diameter	3.9" (100mm)				
	Inside Taper of Quill	5 MT				
Weight / Length	Center Distance	Weight / Total Machine Length				
	39.4"	3724.1 lbs / 114.2"	6834.3 lbs / 114.2"	7054.8 lbs / 124.4"	7054.8 lbs / 114.2"	7385.5 lbs / 114.2"
	78.7"	7385.5 lbs / 153.5"	7495.7 lbs / 153.5"	7716.2 lbs / 163.8"	7716.2 lbs / 153.5"	8046.9 lbs / 163.8"
	118.1"	7936.6 lbs / 192.9"	8046.9 lbs / 192.9"	8267.3 lbs / 203.1"	8267.3 lbs / 192.9"	8598.0 lbs / 203.1"
	157.5"	8487.8 lbs / 232.3"	8598.0 lbs / 232.3"	8818.5 lbs / 242.5"	8818.5 lbs / 232.3"	9149.2 lbs / 242.5"
	1000mm	3050kg / 2900mm	3100kg / 2900mm	3200kg / 3160mm	3200kg / 2900mm	3350kg / 2900mm
	2000mm	3350kg / 3900mm	3400kg / 3900mm	3500kg / 4160mm	3500kg / 3900mm	3650kg / 4160mm
	3000mm	3600kg / 4900mm	3650kg / 4900mm	3750kg / 5160mm	3750kg / 4900mm	3900kg / 5160mm
	4000mm	3850kg / 5900mm	3900kg / 5900mm	4000kg / 6160mm	4000kg / 5900mm	4150kg / 6160mm
Dimensions	Width x Height	57 x 63"	57 x 65"		61.8 x 66.5	
		1.45 x 1.6M	1.45 x 1.65M		1.57 x 1.69M	