

DUGARD

Machine Tools That Create Solutions Since 1939

DUGARD
Heavy Duty

DY860C / 1000C / 1100C

Dugard Heavy Duty CNC Lathes

Featuring 558mm bed width



DUGARD Machine
Tools

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		Dugard DY860C	Dugard DY1000C	Dugard DY1100C	
Machining Capability	Swing over bed	860mm	1000mm	1100mm	
	Swing over cross slide	510mm	650mm	750mm	
	Distance between centres	1000/1500/2000/3000/4000/5000/6000/7000/8000/9000/10,000/11,000/12,000/13,000/14,000/15,000/16,000mm			
Bed	Bed width	558mm			
Main Spindle	Spindle nose	D1-11 (A2-15 / A2-20 opt)			
	Spindle bore	130mm (230 / 360mm opt)			
	Spindle speed	Low 40~130rpm; Medium 130~400rpm; High 400~1200rpm (Low 20~110rpm; Medium 110~320rpm; High 320~660rpm / Low 20~100rpm; Medium 100~200rpm; High 200~300rpm opt)			
	Spindle taper	MT15			
Travel	X axis (cross travel)	430mm	500mm	550mm	
	Standard toolpost 240 x 240mm, larger toolpost might cause reduced travel				
	Z axis (longitudinal travel)	Distance between centres - 350			
	Y axis (opt)	±65mm			
Feeds	X axis rapid traverse	5m/min			
	Z axis rapid traverse	7.5m/min			
	Cutting feed rate	0.001~500mm/rev			
Motors	Main motor	22kW			
	X axis servo motor	AC servo motor 5.3/2.49kW/11.9Nm/2000rpm			
	Z axis servo motor	AC servo motor 7.6/8.31kW/39.7Nm/2000rpm			
	Oil pump	100W			
	Coolant pump	450W, 6~10 bar			
	Hydraulic tank pump (opt)	3hp (2.2kW)			
Tank Capacity	Hydraulic tank (opt)	20L			
	Lubrication pump	8L			
Ballscrew	X axis diameter	40mm			
	Z axis diameter	1000~6000: 63mm, 7000~10,000: 80mm, 10,000~16,000: gear rack			
Tailstock	Quill diameter	115mm (160mm opt)			
	Quill travel	270mm			
	Quill taper	MT6			
General	Machine dimensions	Length - 4080/4580/5080/6080/7080/8080/9080/10,080/11,080/12,080/13,080/14,080/15,080/16,080/17,080/18,080/19,080mm; Depth - 2710mm; Height - 2330mm			
	Machine weight	7700/8400/9100/10,500/11,900/13,300/14,700/16,100/17,500/18,900/20,300/21,700/23,100/24,500/25,900/27,300/28,700kg			
Workpiece Weight Capacity		Chuck Only	Chuck + Tailstock	Chuck + 1 Steady Rest + Tailstock	Chuck + 2 Steady Rest + Tailstock
Spindle Bore 160mm		1000kg	4000kg	7000kg	10,000kg
Spindle Bore 230~410mm		1400kg	4400kg	7400kg	10,400kg

*Specifications are subject to change without prior notice

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