



# Specifications Sheet

## MD-1640 Precision Gearhead Lathe



SPECIFICATION	MODELS			
	MD-1640/MD-1660		MD-1840/MD-1860	
<b>CAPACITY</b>				
Swing Over Bed	410mm (16")		460mm (18")	
Swing Over Cross Slide	224mm (8-13/16")		274mm (10-3/4")	
Swing in Gap	640mm (25-1/8")		690mm (27-1/8")	
Length of Gap	155mm (6-1/8")			
Distance Between Centers	1000mm (40")	1500mm (60")	1000mm (40")	1500mm (60")
Center Height	1085mm (43")		1110mm (44")	
Width of Bed	300mm (11-13/16")			
<b>HEADSTOCK</b>				
Spindle Nose	D1-6			
Spindle Bore	58mm (2-1/4")			
Taper of Spindle Bore	No. 6 Morse			
Range of Spindle Speed	12 changes 25–2000r/min			
<b>FEEDS AND THREADS</b>				
Max. Travel of Compound Rest	120mm (4-3/4")			
Max. Travel of Cross Slide	290mm (11-3/8")			
Leadscrew Pitch	4T.P.I.			
Max. Section of Tool	25 x 25mm (1 x 1")			
Longitudinal Feeds Range	42 kinds 0.031 — 1.7mm/rev (0.0011" — 0.0633"/rev)			
Cross Feeds Range	42 kinds 0.014 — 0.784mm/rev (0.00033" — 0.01837")			
Metric Threads Range	41 settings 0.1 — 14mm(.6")			
Inch Threads Range	60 settings 2 — 112 T.P.I.			
<b>TAILSTOCK</b>				
Dia. of Tailstock Sleeve	60mm (2-5/16")			
Travel of Tailstock Sleeve	120mm (4-3/4")			
Morse Taper of Tailstock Sleeve	No. 4 Morse			
Cross Adjustment	± 13mm (± 1/2")			
<b>MOTOR</b>				
Power of Main Motor	4kW (5.4HP), Optional 5.5kW (7.5HP) 3PH			
Power of Coolant Pump	0.1kW (1/8HP), 3PH			
<b>DIMENSION AND WEIGHT</b>	<b>MD-1640</b>	<b>MD-1660</b>	<b>MD-1840</b>	<b>MD-1860</b>
Overall Dimension (L" x W" x H")	85 x 41 x 53"	107 x 41 x 53"	85 x 41 x 54"	107 x 41 x 54"
Packing Size (L" x W" x H")	89 x 44 x 67"	110 x 44 x 67"	89 x 5 x 54"	11 x 44 x 68"
Net Weight/Gross Weight kg	1670/1980kg	1970/2320kg	1720/2045kg	2020/2385kg
Net Weight/Gross Weight lb.	3682/4365lb.	4343/5115lb.	3792/4509lb.	4453/5258lb.
<b>STANDARD ACCESSORIES</b>				
1. 200mm (8") 3-Jaw Chuck and Adapter			6. Thread Chasing Dial	
2. 320mm (13") 4-Jaw Chuck and Adapter			7. MT 6/4 Sleeve and MT 4 Center	
3. 350mm (14") Face Plates			8. Oil Gun	
4. 20-140mm (1-5.5") Steady Rest			9. One set of Wrenches	
5. 20-80mm (1-3") Follow Rest			10. Operation Manual	
<b>SPECIAL ACCESSORIES</b>				
1. 200mm (8") Driving Plate			2. Quick Change Tool Post	
3. Taper Turning Attachment				