

All Geared Lathe

Technical Specification

	Hi-Cut3503	Hi-Cut4005
Capacity		
Height of the Centres	175(7)	200(80)
Swing over bed	350 (14)	400(16")
Swing over cross slide	200 (8')	250(10")
Swing in Gap Y	500 (20")	550 (22")
Distance in front of face plate in Gap X	125 (5)	125(5)
Diameter of face Mate in Gap	500 (20")	500(20)
Distance between Centres		
ABC 800	800(31")	
ABC 1000	1000 (40")	1000 (40)
ABC 1500		1500(60)
Cross Slide Travel	185 (7.5")	185 (7.5")
Cross Slide Resolution	0.02 mm	0.02 mm
Bed	2V, 2 flat	2V, 2 flat
Bed Type	244	244
Bed Width		
Bed Length		
ABC 800	1650 (5.5')	
ABC 1000	1850 (6.2)	1850 (6.2)
ABC 1500		2350 (8)
Main Spindle		
Spindle Nose	A2-4	A2-6
Spindle Taper Bore	Metric 45	Metric 60
Taper Bore in Centre Sleeve	MT3	MT3
Spindle Bore	40	55
Tail Stock		
Quill Diameter	50	50 MT3
Taper Bore in Spindle	MT3	140
Quill Travel	140(5.5)	(5.5")
Tool Slide		
Travel Top Slide	100(4")	100(4")
Tool Shank Section	20x20	25x25
Tool Slide Resolution	0.02	0.02
Lead Screw		
Lead Screw Diameter	30	30
Pitch	6.0	6.0
Speeds		
No. of Speeds	8	8
Range	71-1800	71-1600

Feeds		
No. of Longitudinal Feeds	24	24
Range of Feeds	0.045 to 0.063	0.045 to 0.063
No. of Transverse Feeds	24	24
Range of Feeds	0.015 to 0.21	0.015 to 0.21
	1/3	1/3
Ratio of Transverse Feed to Longitudinal Feeds		
Threads		
No. of metric threads	24/0.5-7	24/05-7
Range	mm	mm
No. of inch threads	24/56-4	24/56-4
Range	TPI	TPI
Maximum Weight of Work piece held between Chuck and Tail Stock Centre		
Dead centre	185 kg	185 kg
Live Centre	150 kg	150 kg
Electricals		
Main Motor	2.2Kw (3HP)	3.7Kw (5HP)
Power Supply	415V 3 phase 50 cycles	415V 3phase 50 cycles
Coolant Tank Capacity	A/C supply 25 ltrs	A/C supply 25 ltrs
Weight		
ABC 800	950 kg	
ABC 1000	1100 kg	1150 kg
ABC 1500		1500 kg
Floor Space		
LxB		
800 ABC	2000 x 850 (6.5x3)	
1000 ABC	2200 x 850 (7.5x3)	2200x850 (7.5x3)
1500 ABC		2700x850 (9x3)
Capacity of Steady Rest Bar Dia 'D'		
Pad Type		
Minimum Dia	10 (0.4")	10 (0.4")
Maximum Dia	100(4")	100(4")
Roller Type		
Minimum Dia	10 (0.4")	10 (0.4")
Maximum Dia	75 (0.3")	75 (0.3")
Capacity of Follow Rest Bar Dia 'D'		
Pad Type		
Minimum Dia	10 (0.4")	10 (0.4")
Maximum Dia	100(4")	100(4")
Roller Type		

Minimum Dia	10 (0.4")	10 (0.4")
Maximum Dia	75 (0.3")	75 (0.3")
Capacity of Taper Turning Attachment		
Maximum Taper Angle on either side	10°	10°
Stroke 'S'	175(7)	175(7)
Maximum Turning Length 'L'	125(5)	125(5)