



HD SERIES GAP-BED LATHE

HD SERIES SPECIFICATIONS

Item	Unit	HD 40	HD 50	HD 60
Capacity				
Max. swing over bed	mm/inch	1000/ 39.37	1250/ 49.21	1600/63
Max. swing over carriage	mm/inch	630/ 24.80	880/ 34.65	1230/ 48.43
Distance between center	mm/inch	(1500/59.06), (2000/78.74), (3000/118.11), (4000/157.48), (5000/196.85), (6000/236.22), (8000/314.96)		
Width of bed	mm/inch	755/ 29.72		
Max. weight capacity (unsupported)		5000kg/ 11,000 lbs		
Headstock				
Spindle nose		A2-15		
Spindle bore	mm/inch	130/ 5.12		
Spindle speeds	rpm	Forward: 3.15-315 rpm (21 speeds) Reverse: 3.5-291rpm (12 speeds)		
Spindle motor	kw/ HP	30/ 40		
Travel				
Travel of cross slide	mm/inch	670/ 26.38		
Travel of top slide	mm/inch	580/ 22.83	300/ 11.81	825/ 32.48
Tool mounting bottom to center line		48/ 1.89		
Max. size of tool shank		45 x 45 / 1.77 x 1.77		
Swivel range of top slide		+/- 90 degrees		
Feed				
Cross feed		(56 kinds) 0.1 ~ 12.0		
Longitudinal feed	(mm/rev)	(56 kinds) 0.05 ~ 6.0		
Compound slide feed	(mm/rev)	0.025 ~ 3.0		
Range of inch threads	(mm/rev)	(31 kinds) 1/4 ~ 28		
Range of metric threads	TPI	(44 kinds) 1 ~ 120		
Range of module threads	mm	(45 kinds) 0.5 ~ 60		
Range of diametrical threads	mm	(38 kinds) 1/2 ~ 56		
Cross rapid travel	DP	3.74M/min		
Longitudinal rapid travel		1.87M/min		
Compound slide rapid travel		0.935M/ min		
Tailstock				
Taper of tailstock quill		#6MT		
Travel of tailstock quill	mm/inch	300/ 11.81		
Diameter in tailstock quill	mm/inch	160/ 6.30		
Machine size				
Overall length	mm/inch	(4450/175.20) (4950/194.88) (5950/234.25) (6950/273.62) (7950/312.99) (8950/352.36) (10950/431.10)		
Overall width	mm/inch	1855mm/ 73.03 inch	1955/ 76.97	2110/ 83.07
Overall height	mm/inch	1780mm/ 70.08 inch	1910/ 75.20	2080/ 81.90
Machine weight				
D.B.C 1500 mm	59.06 inch	8000kg/ 17637 lbs	8700kg/ 19180 lbs	9500kg/ 20944 lbs
D.B.C 2000 mm	78.74 inch	9000kg/ 19842 lbs	9700kg/ 21385 lbs	10500kg/ 23149 lbs
D.B.C 3000 mm	118.11 inch	10000kg/ 22046 lbs	10700kg/ 23589 lbs	11500kg/ 25553 lbs
D.B.C 4000 mm	157.48 inch	11000kg/ 24251 lbs	11700kg/ 25794 lbs	12500kg/ 27588 lbs
D.B.C 5000 mm	196.85 inch	12000kg/ 26455 lbs	12700kg/ 27999 lbs	13500kg/ 29762 lbs
D.B.C 6000 mm	236.22 inch	13000kg/ 28660 lbs	13700kg/ 30203 lbs	14500kg/ 31967 lbs
D.B.C 8000 mm	314.96 inch	15000kg/ 33069 lbs	15700kg/ 34613lbs	16500kg/ 36376 lbs

STANDARD ACCESSORIES

- Power compound
- Inch/metric threading
- Automatic lubrication

OPTIONAL ACCESSORIES

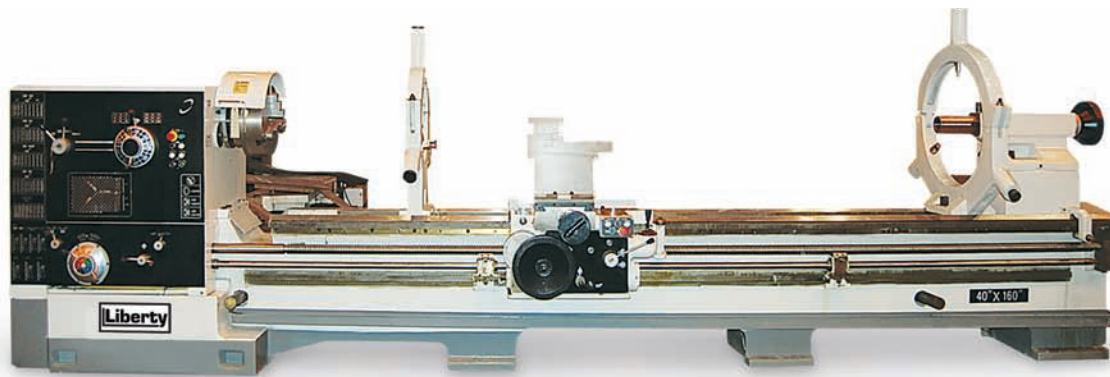
- Steady Rests
- Chucks
- Digital Readouts

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LD SERIES SPECIFICATIONS

Item	Unit	LD 25	LD 32	LD 40
Max. swing Over bed	mm/inch	630/ 24.80	800/ 31.50	1000/ 39.37
Max. Swing over carriage	mm/inch	350/ 13.78	520/ 20.48	720/ 28.35
Center distance	mm/inch	(750/ 29.53), (1000/ 39.37), (1500/ 59.01), (2000/ 78.74), (3000/ 118.11), (4000/ 157.48) , (5000/196.85) (6000/ 236.22)		
Width of gap	mm/inch		320/ 12.60	
Swing over gap	mm/inch	800/ 31.50	1000/ 39.37	1230/ 48.43
Width of bed	mm/inch		550/ 21.70	
Spindle bore diameter	mm/inch	(100/ 3.94), (105/ 4.13), (130/ 5.12)		
Spindle nose mount (camlock)		D1-11		
Spindle speed	rpm	7.5-1000 (18 speeds)		
Longitudinal feed	mm/r	(64) 0.1-24.3mm/r		
Cross feed	mm/r	(64)(0.5-12.15MM/R)		
Rapid traverse speed		3.8M/Min - 149.60IPM		
Weight between centers (unsupported)	kg/lbs	1800/ 3960		
Weight between centers (1 steady rest)	kg/lbs	2200/ 4840		
Weight between centers (2 steadies)	kg/lbs	2700/ 5940		
On chuck	kg/lbs	90/ 198		
Max. travel of cross slide	mm/inch	493/ 19.40		
Travel of top slide	mm/inch	200/ 7.87		
Main motor power	kw/ HP	11/ 15		
Rapid traverse motor power	kw/ HP	1.1/ 1		
Coolant pump motor power	kw/ HP	.09/ 1		
Quill diameter	mm/inch	99/ 3.9"		
Quill Travel	mm/inch	254/ 10"		
Taper of tailstock quill		#6MT		

STANDARD ACCESSORIES

- Taper Attachment
- Inch/Metric Threading
- Automatic Lubrication

OPTIONAL ACCESSORIES

- Steady Rests
- Chucks
- Digital Readouts

North American Distributors

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