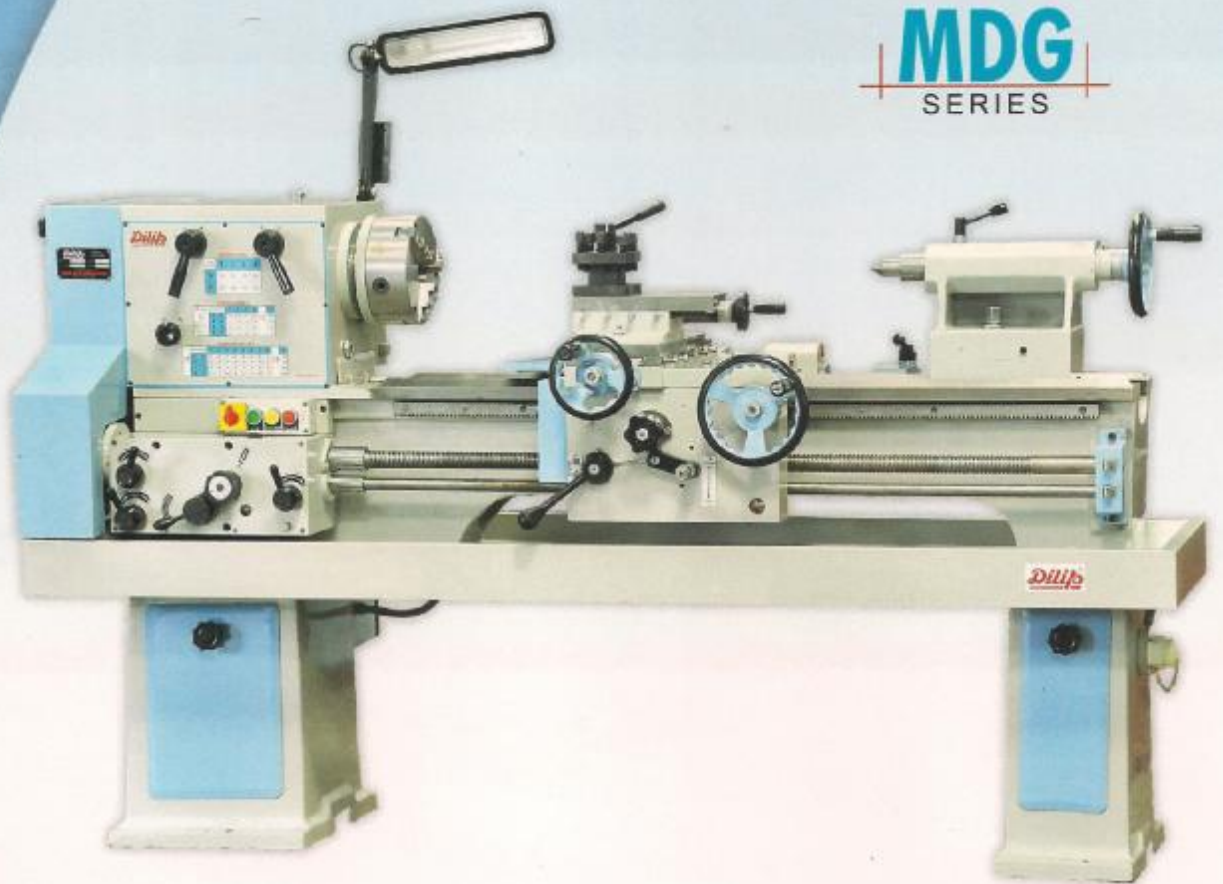


Dilip[®]

ALL GEARED PRECISION LATHE

MDG
SERIES



Machine shown with accessories.



ALL GEARED PRECISION LATHE

: SPECIFICATIONS :

MODEL	MDG - 1	MDG - 2	MDG - 3
CAPACITY			
Height of Centre	205 mm	205 mm	205 mm
Swing over Cross Slide	240 mm	240 mm	240 mm
Swing over Bed	410 mm	410 mm	410 mm
Admit Between Centre	500 mm	850 mm	1000 mm
Swing in Gap	660 mm	660 mm	660 mm
Bed Type	2 V & 2 Flat	2 V & 2 Flat	2 V & 2 Flat
Width of Bed	280 mm	280 mm	280 mm
Length of Bed	1370 mm	1660 mm	1800 mm
HEAD STOCK			
Hole through Spindle	40 mm	40 mm	40 mm
Taper in Spindle	MT-5	MT-5	MT-5
Spindle Nose type	A,4	A,4	A,4
Spindle Speed : Steps, Range : Std.	8, 50 to 1200 rpm	8, 50 to 1200 rpm	8, 50 to 1200 rpm
Optional	8, 70 to 1600 rpm	8, 70 to 1600 rpm	8, 70 to 1600 rpm
TAIL STOCK			
Taper in Quill	MT-4	MT-4	MT-4
Quill Travel	150 mm	150 mm	150 mm
Quill Dia.	50 mm	50 mm	50 mm
SLIDE TRAVEL			
Top Slide travel	115 mm	115 mm	115 mm
Cross Slide travel	205 mm	205 mm	205 mm
Tool shank Cross section	20x20 mm	20x20 mm	20x20 mm
FEED RANGE			
Longitudinal feed per revolution	0.05 to 0.8 mm/rev.	0.05 to 0.8 mm/rev.	0.05 to 0.8 mm/rev.
Transverse feed per revolution	0.03 to 0.48 mm/rev.	0.03 to 0.48 mm/rev.	0.03 to 0.48 mm/rev.
THREADS : No. of Steps, Range			
Metric	20, 0.5 to 7.5 mm	20, 0.5 to 7.5 mm	20, 0.5 to 7.5 mm
Inches	36, 4 to 60 TPI	36, 4 to 60 TPI	36, 4 to 60 TPI
LEAD SCREW			
Diameter	32 mm	32 mm	32 mm
Pitch	4 TPI	4 TPI	4 TPI
ELECTRICALS			
Main Motor	2 HP (1.5 KW)	2 HP (1.5 KW)	2 HP (1.5 KW)
Power Supply	415V, 3 ph, 50 cycles A/C.	415V, 3 ph, 50 cycles A/C.	415V, 3 ph, 50 cycles A/C.
WEIGHT & DIMENSIONS			
Net Weight of Machine (App.)	695 Kgs.	775 Kgs.	895 Kgs.
Wooden Case Dim. (App.)	1675 x 900 x 1375 mm	2100 x 900 x 1375 mm	2250 x 900 x 1375 mm
Gross Weight (App.)	960 Kgs.	1075 Kgs.	1250 Kgs.

All dimensions are in mm & approximate only.

SPECIAL FEATURES

- ❖ Hardened & profile ground gears & spline shafts for long-life & noise-less operation.
- ❖ Easy speed selection & gear changing.
- ❖ Full Norton gear box enabling to cut multiple threads
- ❖ Induction hardened A,4 type spindle with proven make taper roller bearings.
- ❖ Box type cross section ribbed 280 mm wide Bed providing max. torsional stiffness & rigidity.
- ❖ Independent feed shaft minimizing wear & tear of lead-screw.
- ❖ Electromagnetic brake with foot pedal (optional).
- ❖ Readily available & completely interchangeable spare-parts.

STANDARD ACCESSORIES

- ❖ Flame hardened bed
- ❖ Norton gear box
- ❖ Electricals
- ❖ Chuck Back plate
- ❖ Spindle sleeve
- ❖ Dead centres
- ❖ Tool post key
- ❖ Oil can
- ❖ Set of Spanners & Allen keys
- ❖ Spare parts / Instruction Manual

OPTIONAL ACCESSORIES :

- ❖ True chuck / dog chuck
- ❖ Face plate
- ❖ Steady rest
- ❖ Follow rest
- ❖ Rear tool post
- ❖ Coolant pump with tank & adj. Nozzle
- ❖ D1-4 camlock spindle in lieu of std. Spindle
- ❖ Chuck plate, for (a) A,4 spindle
(b) D1-4 camlock spindle
- ❖ Taper turning attachment
- ❖ Quick change tool post
- ❖ Key - way milling attachment
- ❖ Splash guard
- ❖ Machine lamp
- ❖ Revolving centre - MT 4
- ❖ 3 - position carriage stop
- ❖ Electromagnetic brake with foot pedal
- ❖ Turcite-B coating for guide ways

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NOTE : Illustrations and specifications are not binding in detail and are subject to modification and improvement without notice.