

1350 / 1650 Series



- ❖ Flame Hardened Bedways
- ❖ Drop Worm Type Feed with Finger Tip Control for Easy Operation to Engage / Disengage Feed Rod
- ❖ Hardened & Profile Ground Head Stock Gears
- ❖ Precisely Ground Alloy Steel Spindle is Mounted on Two Taper Roller Bearing at Front & One Roller Bearing at Rear End

TECHNICAL SPECIFICATIONS

MODEL		1350 / 1	1350 / 2	1650 / 1	1650 / 2
Height for Centres	mm	177	177	215	215
Swing over Bed	mm	335	335	410	410
Swing over Cross Slide	mm	200	200	250	250
Dist. Between Centres	mm	540	1000	1000	1500
Movement of Cross Slide	mm	210	210	250	250
BED					
Bed Type		2 Flat & 2V			
Bed Width	mm	230	230	265	265
MAIN SPINDLE					
Type & Size of Spindle Nose		A 2 Size 4			
Taper Bore in Center Sleeve	MT	4	4	4	4
Spindle Bore	mm	42	42	42	42
TAIL STOCK					
Spindle Diameter	mm	45	45	45	45
Taper Bore in Spindle Sleeve	MT	4	4	4	4
SPEEDS					
No. of Speeds	mm	8 / 16	8 / 16	8 / 16	8 / 16
Range / RPM		45 - 938 / 30 - 1250	45 - 938 / 30 - 1250	45 - 938 / 30 - 1250	45 - 938 / 30 - 1250
ELECTRICALS	HP	2	2	3	3
Main Motor		3 Phase	3 Phase	3 Phase	3 Phase
Power Supply					
OTHER DATA					
Gross Weight	Kg	1000	1100	1400	1550
FLOOR SPACE					
Occupied (L x W)	mm	2350 x 1100	2800 x 1100	2800 x 1150	3350 x 1150
Packing Dimension	mm	1750 x 1000 x 1300	2200 x 1000 x 1300	2200 x 1050 x 1350	2750 x 1050 x 1350

2050 Series



TECHNICAL SPECIFICATIONS

Type of bed		2 Flat & 2 Vee
Height of centre	mm	254 / 305*
Width of bed	mm	325
Swing over bed	mm	484 / 595*
Swing over cross slide	mm	290 / 395*
Swing in gap	mm	800 / 900*
Length of gap in front of face plate	mm	200
No. of spindle speed / range		8
Spindle speed range	rpm	30 - 1235
Spindle bore	mm	52
Spindle nose		A2 Size 6
Taper in centre sleeve	MT	4
Tail stock spindle diameter	mm	63
Feed range	mm/Rev.	40
Range of longitudinal speed per rev.	mm/Rev.	0.064 to 1.98
Transverse feeds per revolution	mm/Rev.	0.016 to 0.48
Threads no. range	inch	40/2 to 60 TPI
Threads no. range	Metric	20/0.5 to 15 mm

* Optional

- ❖ Flame Hardened Bedways
- ❖ Hardened & Profile Ground Head Stock Gears
- ❖ Headstock spindle is made from high tensile steel duly hardened and ground running in precision taper roller bearings.
- ❖ Maintained contact starting shaft.

STANDARD ACCESSORIES :

Hardened Guideway, Electricals consisting of Electric Motor, Switch Shaft, V Belts, Catch Plate Inch / mm Gears, Set of 2 Nos. Dead Centres with Centre Bush, Oil Can, Set of Allen Keys, Spanners & Instruction Manual.

OPTIONAL ACCESSORIES :

Face Plate, Steady Rest, Follow Rest, Electric Coolant Pump with Tank & Fittings, Taper Turning Attachment, Rear Tool Post with long Cross Slide, Key way cutting Attachment, Machine Lamp with Control Transformer, Chuck Flange, 4 Jaw Dog Chuck, 3 Jaw True Chuck, Quick Change Tool Post with Tool Holders, Tool Post Grinder (External/Internal), Revolving Centre & Control Panel with Foot Brake.

Model		2050/1	2050/2	2050/3	2050/4	2050/5	2050/6
Length of bed	mm	1675	2130	2730	3030	3630	4230
Admit between centers	mm	555	1015	1610	1910	2500	3100
Motor	HP	3	3	3	3	5	5
Floor space L x W	mm	2595 X 1200	3050 X 1200	3650 X 1200	3950 X 1200	4550 X 1200	5150 X 1200
Net weight	Kg	1250	1400	1600	1700	1900	2100
Gross weight	Kg	1450	1600	1800	1900	2100	2350

HEAVY DUTY ALL GEARED LATHE MACHINES



TECHNICAL SPECIFICATIONS

MODEL	4310	5610	6610	
TYPE OF BED				
SWING OVER BED	mm	840	1100	1300
HEIGHT OF CENTRE	mm	430 / 500*	560 / 600*	660
WIDTH OF BED	mm	555	655	755
SWING OVER CROSS SLIDE	mm	510	770	950
SWING IN GAP	mm	1250	1510	1710
LENGTH OF GAP IN FRONT OF FACE PLATE	mm	330 mm	330	330
No. OF SPINDLE SPEED		8	8	8
SPINDLE SPEED RANGE	RPM	20 - 275	20 - 275	16 - 195
TAPER IN SPINDLE SLEEVE	MT	5	5	5
SPINDLE BORE	mm	104	104	104
SPINDLE NOSE		BAYONET SIZE 11	BAYONET SIZE 11	BAYONET SIZE 15
No. OF BRITISH THREADS		28	28	28
RANGE OF BRITISH THREADS		1.5 TO 22 TPI	1.5 TO 22 TPI	1.5 TO 22 TPI
No. OF METRIC THREADS		22	22	22
RANGE OF METRIC THREADS / PITCH	mm	0.75 TO 16	0.75 TO 16	0.75 TO 16
No. OF FEEDS		28	28	28
RANGE OF LONGITUDINAL FEEDS	mm / Rev.	0.20 TO 3.0	0.20 TO 3.0	0.20 TO 3.0
RANGE OF TRANSVERSE FEEDS	mm / Rev.	0.033 TO 0.50	0.033 TO 0.50	0.033 TO 0.50
LEAD SCREW DIAMETER / PITCH	mm	50.8 / 2 TPI	50.8 / 2 TPI	50.8 / 2 TPI
TAIL STOCK SPINDLE DIAMETER	mm	95	105	115
TAPER IN TAIL STOCK QUILL	MT	5	MT-6	MT-6
CROSS SLIDE TRAVEL	mm	430	560	660
COMPOUND SLIDE TRAVEL	mm	230	230	300
TAIL STOCK SLEEVE TRAVEL	mm	220	310	410
TOOL POST SQUARE	mm	200 x 200	200 x 200	230 x 230
TOOL SHANK SIZE	mm	38 x 38	38 x 38	38 x 38

* OPTIONAL



4310 / 5610 / 6610 Series

SALIENT FEATURES :

- ❖ One piece lathe bed casting ensures better rigidity.
- ❖ Head Stock Spindle is precisely ground and runs in taper roller bearing and ball bearing on front side and taper roller bearing at rear side.
- ❖ Head Stock Gears are made of special alloy steel.
- ❖ Oil Pump is provided for lubrication of head stock shaft and gears.
- ❖ Bayonet Type Spindle Nose .
- ❖ Universal Norton Gear Box provides wide range of inch and metric threads.
- ❖ Drop worm type feed engage / disengage lever for easy operation.
- ❖ Control panel for on / off the machine, reverse / off / forward start handle is given along with apron gear box for easy control.
- ❖ Tail Stock Quill movement operated by hand feed with dual feed gear box.
- ❖ Flame Hardened Bed ways
- ❖ Rapid saddle movement (optional)

MODEL	4310 - 5610 - 6610												
	1			2			3			4		5	
Length of Bed	mm	3750	3950	4270	4750	4950	5270	5750	5950	6270	6750	6950	7270
Admit Between Centre	mm	2000	2000	2000	3000	3000	3000	4000	4000	4000	5000	5000	5000
Net Weight (approx.)	Kg	6250	7750	10250	7300	9300	11300	9500	11500	13500	11200	13700	15200
Motor	HP	15	15	20	15	15	20	15	15	20	20	20	25

3050 Series



TECHNICAL SPECIFICATIONS

Type of bed		2 Flat & 2 Vee
Height of centre	mm	330
Width of bed	mm	375
Swing over bed	mm	630
Swing over saddle	mm	500
Swing over cross slide	mm	440
Swing in gap	mm	920
Length of gap in front of face plate	mm	220
No. of spindle speed / range		8 / 20-835
Spindle speed range	rpm	20 - 835
Spindle bore	mm	80
Spindle nose		A2 Size 8
Taper bore in centre bush	MT	4
Tail stock quill diameter	mm	75
Taper in tail stock quill	MT	5
Cross slide travel	mm	330
Compound slide travel	mm	180
Tail stock quill travel	mm	200
Tool post square	mm	150 x 150
Tool shank size	mm	32 x 32

- ❖ Flame Hardened Bedways
- ❖ Hardened & Profile Ground Head Stock Gears
- ❖ Headstock spindle is made from high tensile steel duly hardened and ground running in precision taper roller bearings
- ❖ Maintained contact starting shaft
- ❖ Sleek & modern design

STANDARD ACCESSORIES :

Hardened Guideway, Electric Motor, Switch Shaft, V Belts, Catch Plate, Inch / mm Gear Set, 2 Nos. Dead Centres with Centre Bush, Oil Can, Set of Allen Keys, Spanners & Instruction Manual.

OPTIONAL ACCESSORIES :

Face Plate, Steady Rest, Follow Rest, Electric Coolant Pump with Tank & Fittings, Taper Turning Attachment, Rear Tool Post with long Cross Slide, Key way cutting Attachment, Machine Lamp with Control Transformer, Chuck Flange, 4 Jaw Dog Chuck, 3 Jaw True Chuck, Quick Change Tool Post with Tool Holders, Tool Post Grinder (External/Internal), Revolving Centre & Control Panel with Foot Brake.

Model		3050/1	3050/2	3050/3	3050/4	3050/5	3050/6	3050/7
Length of bed	mm	2130	2730	3030	3630	4230	4830	5430
Admit between centers	mm	900	1500	1800	2400	3000	3600	4200
Motor	HP	5	5	5	7.5	7.5	7.5	7.5
Floor space L x W	mm	3050 x 1300	3650 x 1300	3950 x 1300	4550 x 1300	5150 x 1300	5750 x 1300	6350 x 1300
Net weight	Kg	1800	2000	2200	2600	3000	3400	3800
Gross weight	Kg	2000	2200	2400	2800	3200	3600	4000

4080 Series



TECHNICAL SPECIFICATIONS

SERIES		4080
Type of bed		2 Flat & 2 Vee
Height of centre	mm	400
Width of bed	mm	455
Swing over bed	mm	770
Swing over saddle	mm	580
Swing over cross slide	mm	490
Swing in gap	mm	1100
Length of gap in front of face plate	mm	240
No. of spindle speed		8
Range of spindle speed	RPM	20 – 520
Spindle bore	mm	80
Spindle nose - Type		Bayonet – 8
Taper bore in center bush	MT	5
Tail stock quill diameter	mm	85
Taper in tail stock quill	MT	5
Cross slide travel	mm	400
Compound slide travel	mm	200
Tail stock quill travel	mm	210
Tool post square	mm	178 x 178
Tool shank size	mm	38 x 38

- ❖ Flame Hardened Bedways
- ❖ Head Stock Gears are of special alloy case hardened steel , duly hardened and profile ground
- ❖ Head Stock Spindle is ground and runs in one anti friction taper roller bearing and one needle roller bearing in the front and one taper roller bearing in the rear
- ❖ Splash lubricated head stock, norton and apron gear box
- ❖ Universal Norton gear box enables a wide range of British and Metric threads
- ❖ 4080/4 & 5 are with Planner Type Bed

STANDARD ACCESSORIES :

Hardened Guideway, Electric Motor, Switch Shaft, V Belts, Catch Plate, Inch / mm Gear Set, 2 Nos. Dead Centres with Centre Bush, Oil Can, Set of Allen Keys, Spanners & Instruction Manual

OPTIONAL ACCESSORIES :

Face Plate, Steady Rest, Follow Rest, Electric Coolant Pump with Tank & Fittings, Taper Turning Attachment, Rear Tool Post with long Cross Slide, Key way cutting Attachment, Machine Lamp with Control Transformer, Chuck Flange, 4 Jaw Dog Chuck, 3 Jaw True Chuck, Quick Change Tool Post with Tool Holders, Tool Post Grinder (External), Revolving Centre & Control Panel with Foot Brake.

MODEL		4080/1	4080/2	4080/3	4080/4*	4080/5*
Length of bed	mm	2750	3500	4500	5500	6500
Admit between center	mm	1250	2000	3000	4000	5000
Motor	HP	7.5	10	10	10	15
Floor space	mm	3900	4800	6000	7000	8000
Width	mm	1550	1550	1550	1550	1550

* Planner Type Bed