



VINIT MACHINES PVT. LTD.



How to Select the Lathe Machine

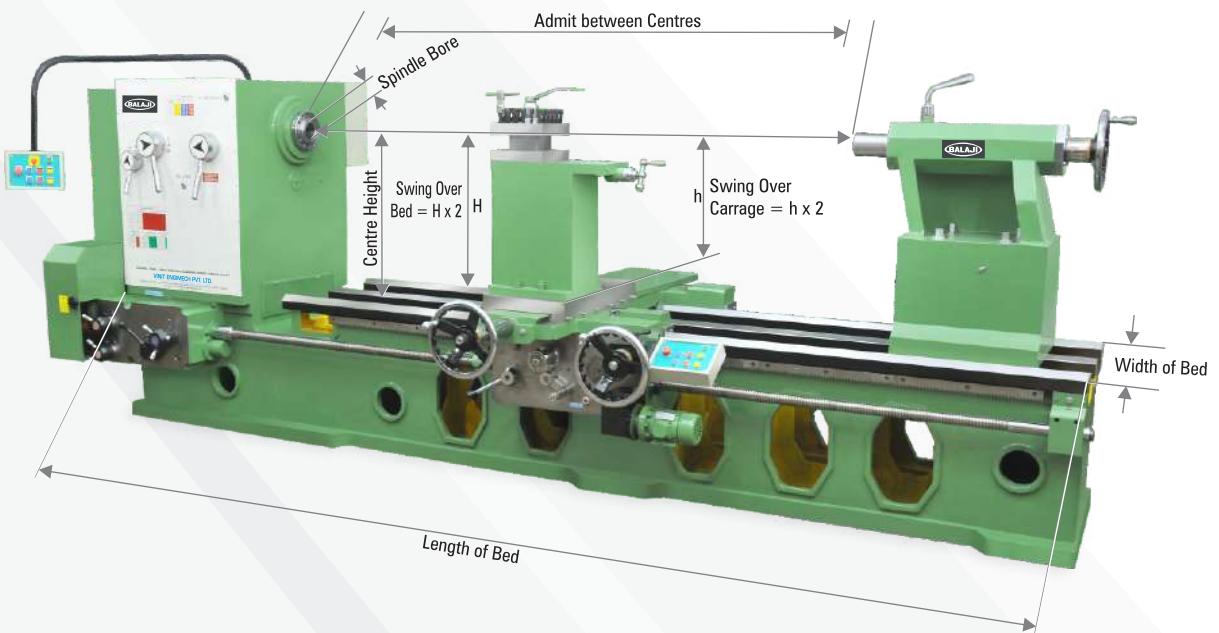
First of all you should match specifications of both, one the machine which you are going to purchase and second of your job, you want to do on the machine.

Centre Height : Centre height of your machine must be match with O.D. of your job. Swing over bed and swing over cross slide should be select as per your job.

Spindle bore : Spindle bore should be with such dimensions that your job O.D. may be pass through it easily if it is necessary.

Width of bed : More Width of bed gives more rigidity and sturdiness to the machine. It is necessary in heavy work.

Drive : In belt driven, there are two options, flat belt and V-belt driven. Flat belt is slipped when there are over capacity work taken on the machine and V-belt is sturdy design to remove some what slipping actions. And in Gears drive (Geared Head Lathe Machine), It gives more power to turn as well as it is suit for more speed and feed and resultant it increases productivity and low electricity consumption.





VINIT MACHINES PVT. LTD.

about us

Precision, Quality and Time Bound Delivery. The three prime key point which led to the start-up of **VINIT MACHINES PVT.LTD.** in the year 1979.

Since then company is redefining all three prime key points with its lathe machine products with the brand names of "Balaji Lathe". The gradual and steady progress towards its vision to satisfy the primary requirements i.e. Precision, quality and time bound delivery, in its products, **VINIT MACHINES PVT.LTD.** now enjoys the vital share in lathe machineries industry in India as well as abroad.

Company's founder Mr. J.S. Padalia holds masters degree in engineering and have significant experience in lathe machine production. Under his expert direction as well as with skilled workforce company is capable to provide custom lathe machines as per client's requirements in cost-affective, quality centric and time bound frame.

While identifying and adopting the new trends in mechanics company keep refining its definition and practice of precision, quality and time bound delivery.



**CONE PULLEY LIGHT DUTY
LATHE MACHINE
MODEL - VL**





MODEL - VL CONE PULLEY LIGHT DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED		STANDARD ACCESSORIES :	
LENGTH OF BED	1370 mm (4'-6")	■	CHUCK BACK PLATE
ADMIT BETWEEN CENTRE	660 mm	■	CENTRE ADAPTER
TYPE OF BED	Hardened Bed Ways	■	DEAD CENTRES 2 NOS
SWING OVER BED	325 mm	■	TOOL POST SPANNER
HEIGHT OF CENTRE	165 mm	■	MOTOR PULLEY
WIDTH OF BED	240 mm	■	THREAD DIAL INDICATOR
SWING OVER CROSS SLIDE	175 mm	■	CHANGE GEAR SET
SWING IN GAP	500 mm	■	CHIP TRAY
LENGTH OF GAP IN FRONT OF FACE PLATE	115 mm		
MAIN SPINDLE		OPTIONAL ACCESSORIES :	
NO. OF SPINDLE SPEED	8	■	INDEPENDENT CHUCK
SPINDLE SPEED RANGE	35 to 750 RPM	■	SELF CENTRING CHUCK
TAPER IN SPINDLE	MT-5	■	CHUCK BACK PLATE EXTRA
SPINDLE BORE	38 mm	■	STEADY REST
SPINDLE NOSE	Threaded	■	FOLLOW REST
SPINDLE THREADS	8 TPI	■	FACE PLATE
		■	CARRIER PLATE
		■	TAPER TURNING ATTACHMENT
		■	COOLANT PUMP WITH TANK AND FITTINGS
		■	REAR TOOL POST
		■	ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
		■	NORTON GEAR BOX
		■	SPLASH GUARD
		■	FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
		■	QUICK CHANGE TOOL POST
		■	KEY WAY ATTACHMENT
THREADS		NOTE : As improvements are constantly made in our machines, the above illustrations, specifications, dimensions and technical data are subject to modifications and change without prior notice and not binding on us.	
LEAD SCREW DIAMETER / PITCH	25.4 mm / 4 TPI		
NOS. OF THREADS/RANGE (WITHOUT NORTON GEAR BOX)	METRIC : 13 / 1 mm TO 6 mm PITCH INCH : 19 / 2 to 24 TPI		
NOS. OF THREADS/RANGE (FOR FULL NORTON GEAR BOX)	METRIC : 24 / 0.5 mm TO 15 mm PITCH INCH : 44 / 2 to 60 TPI		
NO. OF FEEDS	19		
RANGE OF LONGITUDINAL FEEDS	0.165 - 2 mm		
RANGE OF TRANSVERSE FEEDS	0.04 - 0.485 mm		
TAIL STOCK			
TAIL STOCK SPINDLE DIAMETER	38.1 mm		
TAPER IN TAIL STOCK QUILL	MT - 3		
TRAVEL AND TOOLS			
CROSS SLIDE TRAVEL	175 mm		
COMPOUND SLIDE TRAVEL	125 mm		
TAIL STOCK SLEEVE TRAVEL	120 mm		
TOOL POST SQUARE	88 mm		
TOOL SHANK SIZE	20 mm		
SUITABLE ELECTRICAL HP	1 HP (3 phase)		



CONE PULLEY MEDIUM DUTY
LATHE MACHINE
MODEL - VM - 4S





MODEL - VM - 4S CONE PULLEY MEDIUM DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED		STANDARD ACCESSORIES :	
LENGTH OF BED	1900 mm (6'-3")	■	CHUCK BACK PLATE
ADMIT BETWEEN CENTRE	1000 mm	■	CENTRE ADAPTER
TYPE OF BED	Hardened Bed Ways	■	DEAD CENTRES 2 NOS
SWING OVER BED	420 mm	■	TOOL POST SPANNER
HEIGHT OF CENTRE	215 mm	■	MOTOR PULLEY
WIDTH OF BED	277 mm	■	THREAD DIAL INDICATOR
SWING OVER CROSS SLIDE	240 mm	■	CHANGE GEAR SET
SWING IN GAP	620 mm	■	CHIP TRAY
LENGTH OF GAP IN FRONT OF FACE PLATE	125 mm		
MAIN SPINDLE		OPTIONAL ACCESSORIES :	
NO. OF SPINDLE SPEED	8	■	INDEPENDENT CHUCK
SPINDLE SPEED RANGE	50 to 475 RPM	■	SELF CENTRING CHUCK
TAPER IN SPINDLE	MT-6	■	CHUCK BACK PLATE EXTRA
SPINDLE BORE	50 mm	■	STEADY REST
SPINDLE NOSE	Threaded	■	FOLLOW REST
SPINDLE THREADS	6 TPI	■	FACE PLATE
		■	CARRIER PLATE
		■	TAPER TURNING ATTACHMENT
		■	COOLANT PUMP WITH TANK AND FITTINGS
		■	REAR TOOLPOST
		■	ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
		■	NORTON GEAR BOX (SINGLE OR DOUBLE SHAFT)
		■	SPLASH GUARD
		■	FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
		■	QUICK CHANGE TOOL POST
		■	KEY WAY ATTACHMENT
THREADS			
LEAD SCREW DIAMETER / PITCH	31.75 mm / 4 TPI		
NOS. OF THREADS/RANGE (WITHOUT NORTON GEAR BOX)	METRIC : 13 / 1 mm to 6 mm PITCH INCH : 19 / 2 to 24 TPI		
NOS. OF THREADS/RANGE (FOR FULL NORTON GEAR BOX)	METRIC : 24 / 0.5 mm to 15 mm PITCH INCH : 44 / 2 to 60 TPI		
NO. OF FEEDS	19		
RANGE OF LONGITUDINAL FEEDS	0.165 - 2 mm		
RANGE OF TRANSVERSE FEEDS	0.04 - 0.485 mm		
TAIL STOCK			
TAIL STOCK SPINDLE DIAMETER	50.8 mm		
TAPER IN TAIL STOCK QUILL	MT - 4		
TRAVEL AND TOOLS			
CROSS SLIDE TRAVEL	230 mm		
COMPOUND SLIDE TRAVEL	140 mm		
TAIL STOCK SLEEVE TRAVEL	140 mm		
TOOL POST SQUARE	100 mm		
TOOL SHANK SIZE	20 mm		
SUITABLE ELECTRICAL HP	2 HP (3 phase)		

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CONE PULLEY MEDIUM DUTY
LATHE MACHINE
MODEL - VM 4S-255





MODEL - VM 4S-255 CONE PULLEY MEDIUM DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	1900 mm (6'-3")
ADMIT BETWEEN CENTRE	1020 mm
TYPE OF BED	Hardened Bed Ways
SWING OVER BED	495 mm
HEIGHT OF CENTRE	255 mm
WIDTH OF BED	277 mm
SWING OVER CROSS SLIDE	310 mm
SWING IN GAP	700 mm
LENGTH OF GAP IN FRONT OF FACE PLATE	150 mm

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY

MAIN SPINDLE

NO. OF SPINDLE SPEED	8
SPINDLE SPEED RANGE	50 to 475 RPM*
TAPER IN SPINDLE	MT-6
SPINDLE BORE	80 mm
SPINDLE NOSE	Threaded
SPINDLE THREADS	6 TPI

OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- REAR TOOL POST
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- NORTON GEAR BOX (SINGLE OR DOUBLE SHAFT)
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT

THREADS

LEAD SCREW DIAMETER / PITCH	31.75 mm / 4 TPI
NOS. OF THREADS/RANGE (WITHOUT NORTON GEAR BOX)	METRIC : 13 / 1 mm to 6 mm PITCH INCH : 19 / 2 to 24 TPI
NOS. OF THREADS/RANGE (FOR FULL NORTON GEAR BOX)	METRIC : 24 / 0.5 mm to 15 mm PITCH INCH : 44 / 2 to 60 TPI
NO. OF FEEDS	19
RANGE OF LONGITUDINAL FEEDS	0.165 - 2 mm
RANGE OF TRANSVERSE FEEDS	0.04 - 0.485 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER	50.8 mm
TAPER IN TAIL STOCK QUILL	MT - 4

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL	270 mm
COMPOUND SLIDE TRAVEL	150 mm
TAIL STOCK SLEEVE TRAVEL	140 mm
TOOL POST SQUARE	120 mm
TOOL SHANK SIZE	25 mm
SUITABLE ELECTRICAL HP	2 HP / 3HP (3 phase)

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**CONE PULLEY HEAVY DUTY
LATHE MACHINE
MODEL - VH-13**





MODEL - VH-13 CONE PULLEY HEAVY DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	7' (2100 mm)	9' (2740 mm)	10' (3040 mm)	12' (3650 mm)	14' (4260 mm)	16' (4850 mm)
ADMIT BETWEEN CENTRE	1000 mm	1600 mm	1900 mm	2500 mm	3100 mm	3700 mm

TYPE OF BED

HEIGHT OF CENTRE

Hardened Bed Ways

304 mm (12")

SWING OVER BED

600 mm

SWING OVER CROSS SLIDE

395 mm

SWING IN GAP

875 mm

WIDTH OF BED

325 mm

LENGTH OF GAP IN FRONT OF FACE PLATE

200 mm

MAIN SPINDLE

NO. OF SPINDLE SPEED

8

SPINDLE SPEED RANGE

40 to 340 RPM*

TAPER IN SPINDLE

MT-6

SPINDLE BORE

79 mm / 104 mm / 129 mm

SPINDLE NOSE

Threaded

SPINDLE THREADS

6 TPI

THREADS

LEAD SCREW DIAMETER / PITCH

38 mm / 4 TPI

NOS. OF THREADS/RANGE

METRIC : 13 / 1 mm to 6 mm PITCH

(WITHOUT NORTON GEAR BOX)

INCH : 19 / 2 to 24 TPI

NOS. OF THREADS/RANGE

METRIC : 24 / 0.5 mm to 15 mm PITCH

(FOR FULL NORTON GEAR BOX)

INCH : 44 / 2 to 60 TPI

NO. OF FEEDS

19

RANGE OF LONGITUDINAL FEEDS

0.165 - 1.996 mm

RANGE OF TRANSVERSE FEEDS

0.04 - 0.485 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER

60.3 mm

TAPER IN TAIL STOCK QUILL

MT - 4

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL

280 mm

COMPOUND SLIDE TRAVEL

145 mm

TAIL STOCK SLEEVE TRAVEL

170 mm

TOOL POST SQUARE

120 mm

TOOL SHANK SIZE

25 mm

SUITABLE ELECTRICAL HP

3 HP / 5 HP (3 phase)*

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY

OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- REAR TOOL POST
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- NORTON GEAR BOX (SINGLE OR DOUBLE SHAFT)
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT

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**CONE PULLEY HEAVY DUTY
LATHE MACHINE
MODEL - VH-15**





MODEL - VH-15 CONE PULLEY HEAVY DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	7' (2100 mm)	9' (2740 mm)	10' (3040 mm)	12' (3650 mm)	14' (4260 mm)	16' (4850 mm)	18' (5450 mm)	20' (6050 mm)	22' (6650 mm)	24' (7250 mm)	26' (7850 mm)
ADMIT BETWEEN CENTRE	1000 mm	1600 mm	1900 mm	2500 mm	3100 mm	3700 mm	4300 mm	4900 mm	5500 mm	6100 mm	6700 mm

TYPE OF BED

HEIGHT OF CENTRE

304 mm (12") 355 mm (14") 380 mm (15")

SWING OVER BED

580 mm 680 mm 730 mm

SWING OVER CROSS SLIDE

390 mm 490 mm 540 mm

SWING IN GAP

890 mm 990 mm 1040 mm

WIDTH OF BED

375 mm

LENGTH OF GAP IN FRONT OF FACE PLATE

200 mm

MAIN SPINDLE

NO. OF SPINDLE SPEED

8

SPINDLE SPEED RANGE

40 to 340 RPM*

TAPER IN SPINDLE

MT-6

SPINDLE BORE

79 mm / 104 mm / 129 mm

SPINDLE NOSE

Threaded

SPINDLE THREADS

6 TPI

THREADS

LEAD SCREW DIAMETER / PITCH

38 mm / 4 TPI

NOS. OF THREADS/RANGE

METRIC : 13 / 1 mm to 6 mm PITCH

(WITHOUT NORTON GEAR BOX)

INCH : 19 / 2 to 24 TPI

NOS. OF THREADS/RANGE

METRIC : 24 / 0.5 mm to 15 mm PITCH

(FOR FULL NORTON GEAR BOX)

INCH : 44 / 2 to 60 TPI

NO. OF FEEDS

19

RANGE OF LONGITUDINAL FEEDS

0.165 - 1.996 mm

RANGE OF TRANSVERSE FEEDS

0.04 - 0.485 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER

60.3 mm

TAPER IN TAIL STOCK QUILL

MT - 4

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL

325 mm

COMPOUND SLIDE TRAVEL

190 mm

TAIL STOCK SLEEVE TRAVEL

170 mm

TOOL POST SQUARE

145 mm

TOOL SHANK SIZE

25 mm

SUITABLE ELECTRICAL HP

5 HP / 7.5 HP (3 phase)*

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY

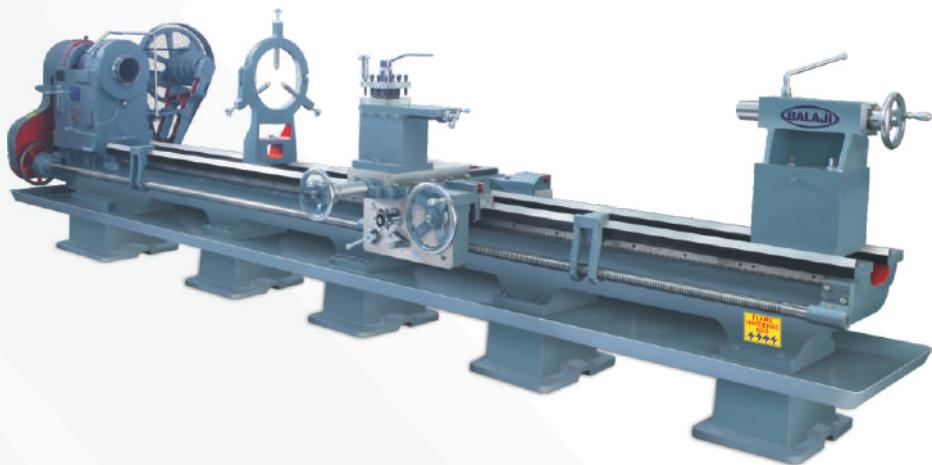
OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- REAR TOOL POST
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- NORTON GEAR BOX (SINGLE OR DOUBLE SHAFT)
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT

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**CONE PULLEY
EXTRA HEAVY DUTY LATHE MACHINE
VH-18**





MODEL - VH-18 CONE PULLEY EXTRA HEAVY DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	7' (2100 mm)	9' (2740 mm)	10' (3040 mm)	12' (3650 mm)	14' (4260 mm)	16' (4850 mm)	18' (5450 mm)	20' (6050 mm)	22' (6650 mm)	24' (7250 mm)	26' (7850 mm)
ADMIT BETWEEN CENTRE	700 mm	1300 mm	1600 mm	2200 mm	2800 mm	3400 mm	4000 mm	4600 mm	5200 mm	5800 mm	6400 mm

TYPE OF BED

HEIGHT OF CENTRE	406 mm (16")	457 mm (18")
SWING OVER BED	785 mm	885 mm
SWING OVER CROSS SLIDE	550 mm	650 mm
SWING IN GAP	1100 mm	1200 mm
WIDTH OF BED	455 mm	
LENGTH OF GAP IN FRONT OF FACE PLATE	250 mm*	

MAIN SPINDLE

NO. OF SPINDLE SPEED	8
SPINDLE SPEED RANGE	20 to 200 RPM*
TAPER IN SPINDLE	MT-6
SPINDLE BORE	79 mm / 104 mm / 129 mm / 152 mm
SPINDLE NOSE	Threaded
SPINDLE THREADS	6 TPI

THREADS

LEAD SCREW DIAMETER / PITCH	44.4 mm / 2 TPI
NOS. OF THREADS/RANGE (WITHOUT NORTON GEAR BOX)	METRIC : 13 / 1 mm to 6 mm PITCH INCH : 20 / 1 to 24 TPI
NOS. OF THREADS/RANGE (FOR FULL NORTON GEAR BOX)	METRIC : 24 / 0.5 mm to 15 mm PITCH INCH : 44 / 2 to 60 TPI
NO. OF FEEDS	19
RANGE OF LONGITUDINAL FEEDS	0.16 - 2 mm
RANGE OF TRANSVERSE FEEDS	0.04 - 0.5 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER	76 mm
TAPER IN TAIL STOCK QUILL	MT - 5

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL	440 mm*
COMPOUND SLIDE TRAVEL	200 mm
TAIL STOCK SLEEVE TRAVEL	250 mm
TOOL POST SQUARE	150 mm
TOOL SHANK SIZE	38 mm
SUITABLE ELECTRICAL HP	7.5 HP (3 phase) (960 RPM)

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY

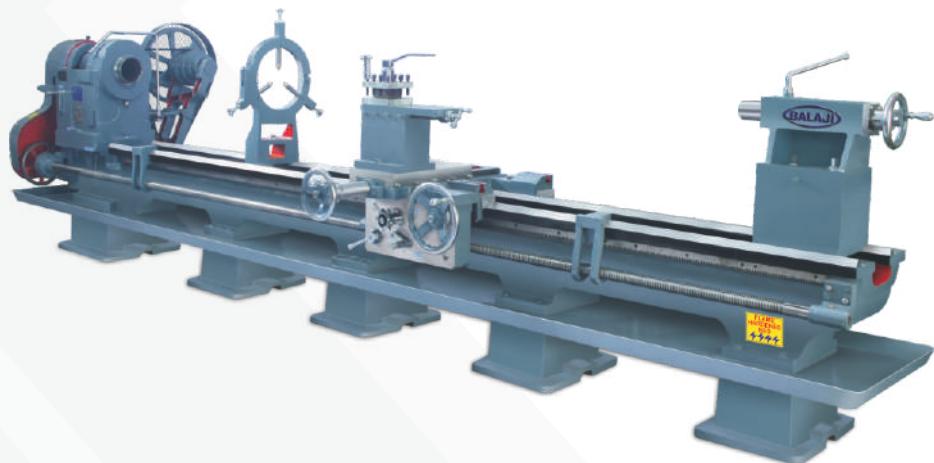
OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- NORTON GEAR BOX (SINGLE OR DOUBLE SHAFT)
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT

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**CONE PULLEY
EXTRA HEAVY DUTY LATHE MACHINE
VH-20**





MODEL - VH-20 CONE PULLEY EXTRA HEAVY DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	7' (2100 mm)	9' (2740 mm)	10' (3040 mm)	12' (3650 mm)	14' (4260 mm)	16' (4850 mm)	18' (5450 mm)	20' (6050 mm)	22' (6650 mm)	24' (7250 mm)	26' (7850 mm)
ADMIT BETWEEN CENTRE	700 mm	1300 mm	1600 mm	2200 mm	2800 mm	3400 mm	4000 mm	4600 mm	5200 mm	5800 mm	6400 mm

TYPE OF BED

HEIGHT OF CENTRE	457 mm (18")	508 mm (20")
SWING OVER BED	885 mm	985 mm
SWING OVER CROSS SLIDE	650 mm	750 mm
SWING IN GAP	1200 mm	1300 mm
WIDTH OF BED	508 mm	
LENGTH OF GAP IN FRONT OF FACE PLATE	250 mm*	

MAIN SPINDLE

NO. OF SPINDLE SPEED	8
SPINDLE SPEED RANGE	20 to 200 RPM*
TAPER IN SPINDLE	MT-6
SPINDLE BORE	79 mm / 104 mm / 129 mm / 152 mm
SPINDLE NOSE	Threaded
SPINDLE THREADS	6 TPI

THREADS

LEAD SCREW DIAMETER / PITCH	44.4 mm / 2 TPI
NOS. OF THREADS/RANGE (WITHOUT NORTON GEAR BOX)	METRIC : 13 / 1 mm to 6 mm PITCH INCH : 20 / 1 to 24 TPI
NOS. OF THREADS/RANGE (FOR FULL NORTON GEAR BOX)	METRIC : 24 / 0.5 mm to 15 mm PITCH INCH : 44 / 2 to 60 TPI
NO. OF FEEDS	19
RANGE OF LONGITUDINAL FEEDS	0.16 - 2 mm
RANGE OF TRANSVERSE FEEDS	0.04 - 0.5 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER	76 mm
TAPER IN TAIL STOCK QUILL	MT - 5

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL	490 mm
COMPOUND SLIDE TRAVEL	200 mm
TAIL STOCK SLEEVE TRAVEL	250 mm
TOOL POST SQUARE	150 mm
TOOL SHANK SIZE	38 mm
SUITABLE ELECTRICAL HP	7.5 HP (3 phase) (960 RPM)

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY

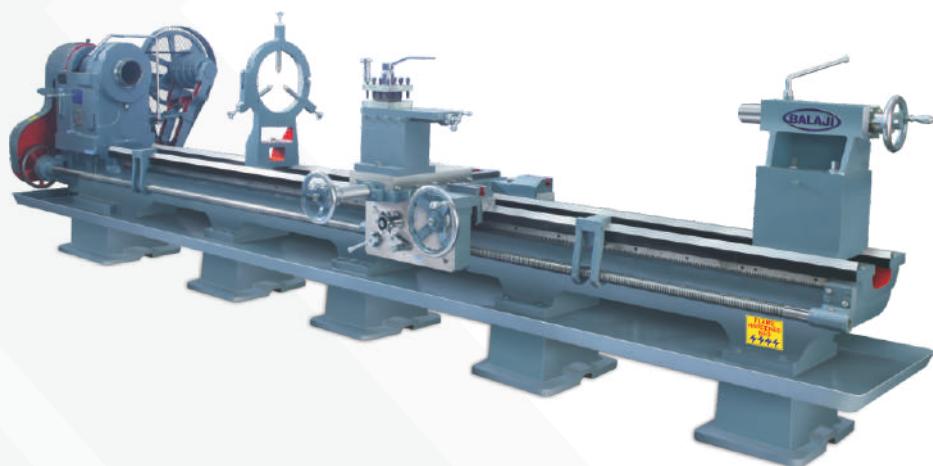
OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- NORTON GEAR BOX (SINGLE OR DOUBLE SHAFT)
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEYWAY ATTACHMENT

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CONE PULLEY
EXTRA HEAVY DUTY LATHE MACHINE
VH-22





MODEL - VH-22 CONE PULLEY EXTRA HEAVY DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	7' (2100 mm)	9' (2740 mm)	10' (3040 mm)	12' (3650 mm)	14' (4260 mm)	16' (4850 mm)	18' (5450 mm)	20' (6050 mm)	22' (6650 mm)	24' (7250 mm)	26' (7850 mm)
ADMIT BETWEEN CENTRE	700 mm	1300 mm	1600 mm	2200 mm	2800 mm	3400 mm	4000 mm	4600 mm	5200 mm	5800 mm	6400 mm

TYPE OF BED

HEIGHT OF CENTRE

Hardened Bed Ways

508 mm (20")	558 mm (22")
985 mm	1085 mm
680 mm	780 mm
1300 mm	1400 mm
	558 mm
	250 mm*

MAIN SPINDLE

NO. OF SPINDLE SPEED

8

SPINDLE SPEED RANGE

20 to 200 RPM*

TAPER IN SPINDLE

MT-6

SPINDLE BORE

79 mm / 104 mm / 129 mm / 152 mm

SPINDLE NOSE

Threaded

SPINDLE THREADS

6 TPI

THREADS

LEAD SCREW DIAMETER / PITCH

44.4 mm / 2 TPI

NOS. OF THREADS/RANGE

METRIC : 13 / 1 mm to 6 mm PITCH

(WITHOUT NORTON GEAR BOX)

INCH : 20 / 1 to 24 TPI

NOS. OF THREADS/RANGE

METRIC : 24 / 0.5 mm to 15 mm PITCH

(FOR FULL NORTON GEAR BOX)

INCH : 44 / 2 to 60 TPI

NO. OF FEEDS

19

RANGE OF LONGITUDINAL FEEDS

0.16 - 2 mm

RANGE OF TRANSVERSE FEEDS

0.04 - 0.5 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER

76 mm

TAPER IN TAIL STOCK QUILL

MT - 5

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL

550 mm*

COMPOUND SLIDE TRAVEL

250 mm

TAIL STOCK SLEEVE TRAVEL

250 mm

TOOL POST SQUARE

175 mm

TOOL SHANK SIZE

38 mm

SUITABLE ELECTRICAL HP

7.5 HP (3 phase) (960 RPM)

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY

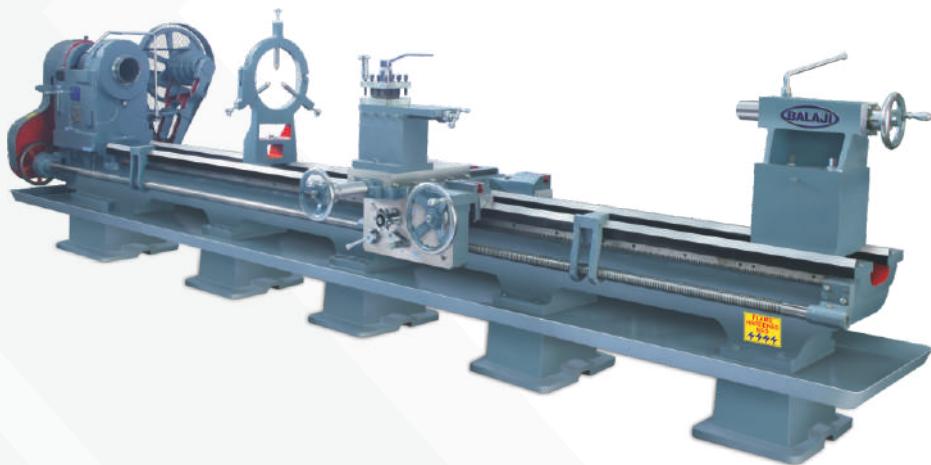
OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- NORTON GEAR BOX (SINGLE OR DOUBLE SHAFT)
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT

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CONE PULLEY
EXTRA HEAVY DUTY LATHE MACHINE
VH-24





MODEL - VH-24 CONE PULLEY EXTRA HEAVY DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	7' (2100 mm)	9' (2740 mm)	10' (3040 mm)	12' (3650 mm)	14' (4260 mm)	16' (4850 mm)	18' (5450 mm)	20' (6050 mm)	22' (6650 mm)	24' (7250 mm)	26' (7850 mm)
ADMIT BETWEEN CENTRE	550 mm	1150 mm	1450 mm	2050 mm	2650 mm	3250 mm	3850 mm	4450 mm	5050 mm	5650 mm	6250 mm

TYPE OF BED

HEIGHT OF CENTRE	Hardened	Bed Ways
SWING OVER BED	558 mm (22")	609 mm (24")
SWING OVER CROSS SLIDE	1085 mm	1185 mm
SWING IN GAP	775 mm	875 mm
WIDTH OF BED	1400 mm	1500 mm
LENGTH OF GAP IN FRONT OF FACE PLATE	609 mm	250 mm*

MAIN SPINDLE

NO. OF SPINDLE SPEED	8
SPINDLE SPEED RANGE	15 to 150 RPM*
TAPER IN SPINDLE	MT-6
SPINDLE BORE	79 mm / 104 mm / 129 mm / 152 mm
SPINDLE NOSE	Threaded
SPINDLE THREADS	6 TPI

THREADS

LEAD SCREW DIAMETER / PITCH	44.4 mm / 2 TPI
NOS. OF THREADS/RANGE (WITHOUT NORTON GEAR BOX)	METRIC : 13 / 1 mm to 6 mm PITCH INCH : 20 / 1 to 24 TPI
NOS. OF THREADS/RANGE (FOR FULL NORTON GEAR BOX)	METRIC : 24 / 0.5 mm to 15 mm PITCH INCH : 44 / 2 to 60 TPI
NO. OF FEEDS	19
RANGE OF LONGITUDINAL FEEDS	0.16 - 2 mm
RANGE OF TRANSVERSE FEEDS	0.04 - 0.5 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER	100 mm
TAPER IN TAIL STOCK QUILL	MT - 5

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL	600 mm*
COMPOUND SLIDE TRAVEL	250 mm
TAIL STOCK SLEEVE TRAVEL	250 mm
TOOL POST SQUARE	200 mm
TOOL SHANK SIZE	38 mm
SUITABLE ELECTRICAL HP	7.5 HP / 10HP (960 RPM)

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY

OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- NORTON GEAR BOX (SINGLE OR DOUBLE SHAFT)
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT

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CONE PULLEY
EXTRA HEAVY DUTY LATHE MACHINE
VH-26





MODEL - VH-26 CONE PULLEY EXTRA HEAVY DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	7' (2100 mm)	9' (2740 mm)	10' (3040 mm)	12' (3650 mm)	14' (4260 mm)	16' (4850 mm)	18' (5450 mm)	20' (6050 mm)	22' (6650 mm)	24' (7250 mm)	26' (7850 mm)
ADMIT BETWEEN CENTRE	500 mm	1100 mm	1400 mm	2000 mm	2600 mm	3200 mm	3800 mm	4400 mm	5000 mm	5600 mm	6200 mm

TYPE OF BED

HEIGHT OF CENTRE	660 mm (26")
SWING OVER BED	1285 mm
SWING OVER CROSS SLIDE	975 mm
SWING IN GAP	1600 mm
WIDTH OF BED	660 mm
LENGTH OF GAP IN FRONT OF FACE PLATE	250 mm

MAIN SPINDLE

NO. OF SPINDLE SPEED	8
SPINDLE SPEED RANGE	15 to 150 RPM*
TAPER IN SPINDLE	MT-6
SPINDLE BORE	104 mm / 129 mm / 152 mm / 178 mm
SPINDLE NOSE	Threaded
SPINDLE THREADS	6 TPI

THREADS

LEAD SCREW DIAMETER / PITCH	50.8 mm / 2 TPI
NOS. OF THREADS/RANGE (WITHOUT NORTON GEAR BOX)	METRIC : 13 / 1 mm to 6 mm PITCH INCH : 20 / 1 to 24 TPI
NOS. OF THREADS/RANGE (FOR FULL NORTON GEAR BOX)	METRIC : 24 / 0.5 mm to 15 mm PITCH INCH : 44 / 2 to 60 TPI
NO. OF FEEDS	19
RANGE OF LONGITUDINAL FEEDS	0.16 - 2 mm
RANGE OF TRANSVERSE FEEDS	0.04 - 0.5 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER	100 mm
TAPER IN TAIL STOCK QUILL	MT - 5

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL	600 mm*
COMPOUND SLIDE TRAVEL	320 mm
TAIL STOCK SLEEVE TRAVEL	400 mm
TOOL POST SQUARE	200 mm
TOOL SHANK SIZE	38 mm
SUITABLE ELECTRICAL HP	7.5 HP / 10HP (960 RPM)

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY

OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- NORTON GEAR BOX (SINGLE OR DOUBLE SHAFT)
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT

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CONE PULLEY
EXTRA HEAVY DUTY LATHE MACHINE
VH-30





MODEL - VH-30 CONE PULLEY EXTRA HEAVY DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	9' (2740 mm)	10' (3040 mm)	12' (3650 mm)	14' (4260 mm)	16' (4850 mm)	18' (5450 mm)	20' (6050 mm)	22' (6650 mm)	24' (7250 mm)	26' (7850 mm)	28' (8450 mm)
ADMIT BETWEEN CENTRE	900 mm	1200 mm	1800 mm	2400 mm	3000 mm	3600 mm	4200 mm	4800 mm	5400 mm	6000 mm	6600 mm

TYPE OF BED

HEIGHT OF CENTRE	760 mm (30")
SWING OVER BED	1450 mm
SWING OVER CROSS SLIDE	1100 mm
SWING IN GAP	1800 mm
WIDTH OF BED	760 mm
LENGTH OF GAP IN FRONT OF FACE PLATE	250 mm

MAIN SPINDLE

NO. OF SPINDLE SPEED	8
SPINDLE SPEED RANGE	15 to 150 RPM*
TAPER IN SPINDLE	MT-6
SPINDLE BORE	104 mm / 129 mm / 152 mm / 178 mm
SPINDLE NOSE	Threaded
SPINDLE THREADS	6 TPI

THREADS

LEAD SCREW DIAMETER / PITCH	50.8 mm / 2 TPI
NOS. OF THREADS/RANGE (WITHOUT NORTON GEAR BOX)	METRIC : 13 / 1 mm to 6 mm PITCH INCH : 20 / 1 to 24 TPI
NOS. OF THREADS/RANGE (FOR FULL NORTON GEAR BOX)	METRIC : 24 / 0.5 mm to 15 mm PITCH INCH : 44 / 2 to 60 TPI
NO. OF FEEDS	19
RANGE OF LONGITUDINAL FEEDS	0.16 - 2 mm
RANGE OF TRANSVERSE FEEDS	0.04 - 0.5 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER	100 mm
TAPER IN TAIL STOCK QUILL	MT - 5

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL	700 mm*
COMPOUND SLIDE TRAVEL	320 mm
TAIL STOCK SLEEVE TRAVEL	400 mm
TOOL POST SQUARE	200 mm
TOOL SHANK SIZE	38 mm
SUITABLE ELECTRICAL HP	7.5 HP / 10HP (960 RPM)

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY

OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- NORTON GEAR BOX (SINGLE OR DOUBLE SHAFT)
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT

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GEARED HEAD LIGHT DUTY
LATHE MACHINE
MODEL - VGL-165





MODEL - VGL-165 GEARED HEAD LIGHT DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	1370 mm (4'-6")
ADMIT BETWEEN CENTRE	660 mm
TYPE OF BED	Hardened Bed Ways
SWING OVER BED	325 mm
HEIGHT OF CENTRE	165 mm
WIDTH OF BED	240 mm
SWING OVER CROSS SLIDE	175 mm
SWING IN GAP	500 mm
LENGTH OF GAP IN FRONT OF FACE PLATE	115 mm

MAIN SPINDLE

NO. OF SPINDLE SPEED	8
SPINDLE SPEED RANGE	40 to 1200 RPM
TAPER IN SPINDLE	MT-5
SPINDLE BORE	38 mm
SPINDLE NOSE	Threaded / A2 - 4

THREADS

LEAD SCREW DIAMETER / PITCH	25.4 mm / 4 TPI
NOS. OF THREADS/RANGE (FOR FULL NORTON GEAR BOX)	METRIC : 24 / 0.5 mm to 15 mm PITCH INCH : 44 / 2 to 60 TPI
NO. OF FEEDS	40
RANGE OF LONGITUDINAL FEEDS	0.066 - 2 mm
RANGE OF TRANSVERSE FEEDS	0.0165 - 0.50 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER	38.1 mm
TAPER IN TAIL STOCK QUILL	MT - 3

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL	175 mm
COMPOUND SLIDE TRAVEL	125 mm
TAIL STOCK SLEEVE TRAVEL	120 mm
TOOL POST SQUARE	88 x 88 mm
TOOL SHANK SIZE	20 mm
SUITABLE ELECTRICAL HP	1 HP (3 phase)

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY
- NORTON GEAR BOX WITH SINGLE SHAFT

OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- REAR TOOL POST
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT

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GEARED HEAD MEDIUM DUTY
LATHE MACHINE
VGM-215-DELUXE





VGM-215 GEARED HEAD MEDIUM DUTY LATHE MACHINE - DELUXE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	1825 mm (6')
ADMIT BETWEEN CENTRE	1000 mm
TYPE OF BED	Hardened Bed Ways
SWING OVER BED	420 mm
HEIGHT OF CENTRE	215 mm
WIDTH OF BED	277 mm
SWING OVER CROSS SLIDE	240 mm
SWING IN GAP	620 mm
LENGTH OF GAP IN FRONT OF FACE PLATE	125 mm

MAIN SPINDLE

NO. OF SPINDLE SPEED	8
SPINDLE SPEED RANGE	40 to 1200 RPM
TAPER IN SPINDLE	MT-5
SPINDLE BORE	38 mm
SPINDLE NOSE	A2 - 4

THREADS

LEAD SCREW DIAMETER / PITCH	31.75 mm / 4 TPI
NOS. OF THREADS/RANGE (FOR FULL NORTON GEAR BOX)	METRIC : 24 / 0.5 mm to 15 mm PITCH INCH : 44 / 2 to 60 TPI
NO. OF FEEDS	40
RANGE OF LONGITUDINAL FEEDS	0.066 - 2 mm
RANGE OF TRANSVERSE FEEDS	0.0165 - 0.5 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER	50.8 mm
TAPER IN TAIL STOCK QUILL	MT - 4

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL	230 mm
COMPOUND SLIDE TRAVEL	140 mm
TAIL STOCK SLEEVE TRAVEL	140 mm
TOOL POST SQUARE	100 mm
TOOL SHANK SIZE	20 mm
SUITABLE ELECTRICAL HP	2 HP (3 phase)

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY
- NORTON GEAR BOX WITH DOUBLE SHAFT

OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- REAR TOOL POST
- ELECTRICALS
(MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- PANEL BOARD
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT
- PADEL STOP
- ELECTRICAL THIRD SHAFT

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GEARED HEAD MEDIUM DUTY
LATHE MACHINE
MODEL - VGM-255





MODEL - VGM-255 GEARED HEAD MEDIUM DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	1900 mm (6'-3")
ADMIT BETWEEN CENTRE	1020 mm
TYPE OF BED	Hardened Bed Ways
SWING OVER BED	495 mm
HEIGHT OF CENTRE	255 mm
WIDTH OF BED	277 mm
SWING OVER CROSS SLIDE	310 mm
SWING IN GAP	700 mm
LENGTH OF GAP IN FRONT OF FACE PLATE	150 mm

MAIN SPINDLE

NO. OF SPINDLE SPEED	8
SPINDLE SPEED RANGE	55 to 1200 RPM*
TAPER IN SPINDLE	MT-6
SPINDLE BORE	65 mm
SPINDLE NOSE	A2-6

THREADS

LEAD SCREW DIAMETER / PITCH	31.75 mm / 4 TPI
NOS. OF THREADS/RANGE (FOR FULL NORTON GEAR BOX)	METRIC : 24 / 0.5 mm to 15 mm PITCH INCH : 44 / 2 to 60 TPI
NO. OF FEEDS	40
RANGE OF LONGITUDINAL FEEDS	0.066 - 2 mm
RANGE OF TRANSVERSE FEEDS	0.0165 - 0.5 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER	50.8 mm
TAPER IN TAIL STOCK QUILL	MT - 4

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL	270 mm
COMPOUND SLIDE TRAVEL	150 mm
TAIL STOCK SLEEVE TRAVEL	140 mm
TOOL POST SQUARE	120 mm
TOOL SHANK SIZE	25 mm
SUITABLE ELECTRICAL HP	3 HP (3 phase)

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY
- NORTON GEAR BOX WITH DOUBLE SHAFT

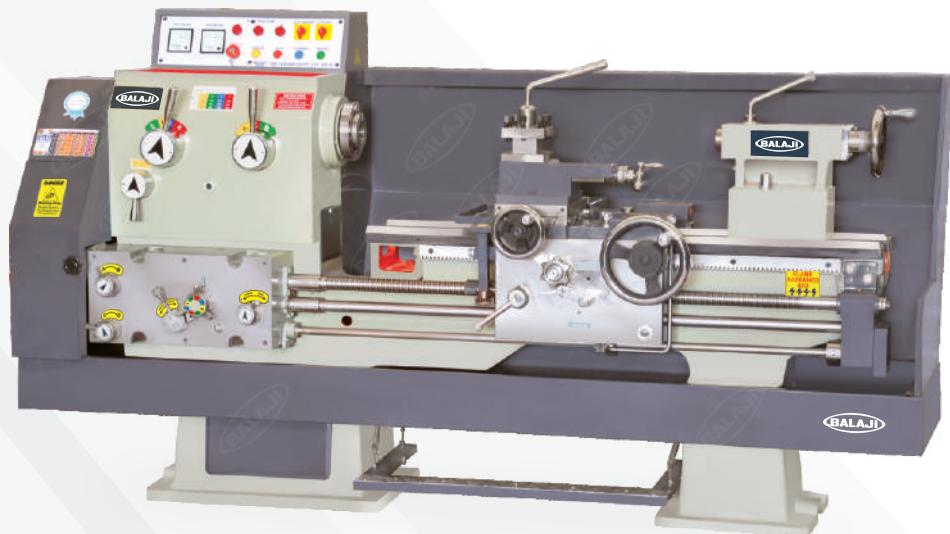
OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- REAR TOOL POST
- ELECTRICALS
(MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- PANEL BOARD
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT
- PADEL STOP
- ELECTRICAL THIRD SHAFT

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GEARED HEAD HEAVY DUTY
LATHE MACHINE
MODEL - VGH-267





MODEL - VGH-267 GEARED HEAD HEAVY DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	7' (2100 mm)	9' (2740 mm)	10' (3040 mm)	12' (3650 mm)	14' (4260 mm)	16' (4850 mm)
ADMIT BETWEEN CENTRE	1000 mm	1600 mm	1900 mm	2500 mm	3100 mm	3700 mm

TYPE OF BED

TYPE OF BED	Hardened Bed Ways	
HEIGHT OF CENTRE	267 mm (10-1/2")	304 mm (12")
SWING OVER BED	525 mm	600 mm
SWING OVER CROSS SLIDE	320 mm	395 mm
SWING IN GAP	800 mm	875 mm
WIDTH OF BED	325 mm	
LENGTH OF GAP IN FRONT OF FACE PLATE	200 mm	

MAIN SPINDLE

NO. OF SPINDLE SPEED	12		
SPINDLE SPEED RANGE	30 to 1060 RPM *		
TAPER IN SPINDLE	MT-6		
SPINDLE BORE	50 mm	79 mm	104 mm
SPINDLE NOSE	A2-6	A2-8	A2-8

THREADS

LEAD SCREW DIAMETER / PITCH	38 mm / 4 TPI		
NOS. OF THREADS/RANGE (FOR FULL NORTON GEAR BOX)	METRIC : 24 / 0.5 mm to 15 mm PITCH INCH : 44 / 2 to 60 TPI		
NO. OF FEEDS	40		
RANGE OF LONGITUDINAL FEEDS	0.066 - 2 mm		
RANGE OF TRANSVERSE FEEDS	0.0165 - 0.5 mm		

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER	60.3 mm
TAPER IN TAIL STOCK QUILL	MT - 4

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL	280 mm
COMPOUND SLIDE TRAVEL	145 mm
TAIL STOCK SLEEVE TRAVEL	170 mm
TOOL POST SQUARE	120 mm
TOOL SHANK SIZE	25 mm
SUITABLE ELECTRICAL HP	3 HP / 5 HP (3 phase)*

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY
- NORTON GEAR BOX WITH DOUBLE SHAFT

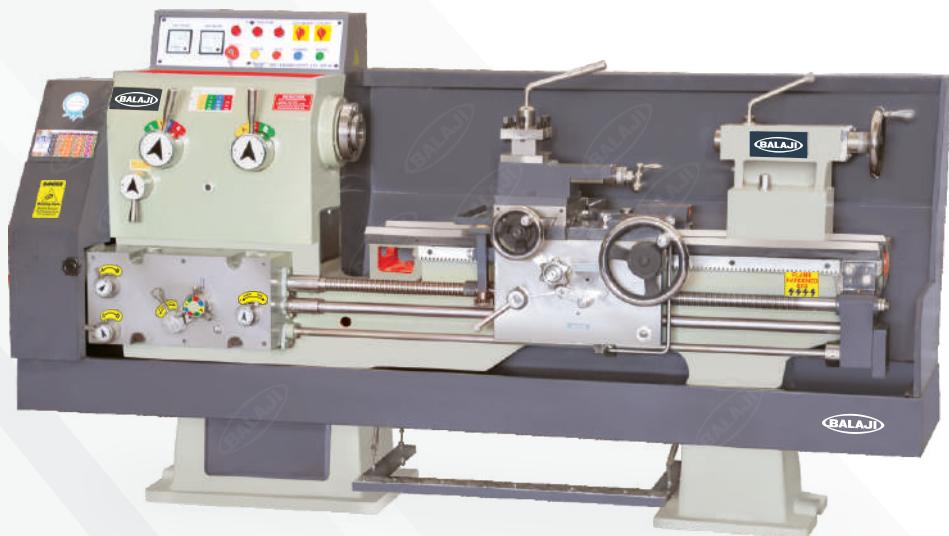
OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- REAR TOOLPOST
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- PANEL BOARD
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOLPOST
- KEY WAY ATTACHMENT
- PADEL STOP
- ELECTRICAL THIRD SHAFT

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GEARED HEAD HEAVY DUTY
LATHE MACHINE
MODEL - VGH-304





MODEL - VGH-304 GEARED HEAD HEAVY DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	7' (2100 mm)	9' (2740 mm)	10' (3040 mm)	12' (3650 mm)	14' (4260 mm)	16' (4850 mm)	18' (5450 mm)	20' (6050 mm)	22' (6650 mm)	24' (7250 mm)	26' (7850 mm)
ADMIT BETWEEN CENTRE	1000 mm	1600 mm	1900 mm	2500 mm	3100 mm	3700 mm	4300 mm	4900 mm	5500 mm	6100 mm	6700 mm

TYPE OF BED

HEIGHT OF CENTRE

SWING OVER BED

SWING OVER CROSS SLIDE

SWING IN GAP

WIDTH OF BED

LENGTH OF GAP IN FRONT OF FACE PLATE

Hardened Bed Ways

304 mm (12")	355 mm (14")	380 mm (15")
580 mm	680 mm	730 mm
390 mm	490 mm	540 mm
890 mm	990 mm	1040 mm
	375 mm	
	200 mm	

MAIN SPINDLE

NO. OF SPINDLE SPEED

12

SPINDLE SPEED RANGE

30 to 1060 RPM *

TAPER IN SPINDLE

MT-6

SPINDLE BORE

79 mm / 104 mm

SPINDLE NOSE

A2-8

THREADS

LEAD SCREW DIAMETER / PITCH

38 mm / 4 TPI

NOS. OF THREADS/RANGE

METRIC : 24 / 0.5 mm to 15 mm PITCH

(FOR FULL NORTON GEAR BOX)

INCH : 44 / 2 to 60 TPI

NO. OF FEEDS

40

RANGE OF LONGITUDINAL FEEDS

0.066 - 2 mm

RANGE OF TRANSVERSE FEEDS

0.0165 - 0.5 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER

60.3 mm

TAPER IN TAIL STOCK QUILL

MT - 4

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL

325 mm

COMPOUND SLIDE TRAVEL

190 mm

TAIL STOCK SLEEVE TRAVEL

170 mm

TOOL POST SQUARE

145 mm

TOOL SHANK SIZE

25 mm

SUITABLE ELECTRICAL HP

5 HP (3 phase)*

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY
- NORTON GEAR BOX WITH DOUBLE SHAFT

OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- REAR TOOL POST
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- PANEL BOARD
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT
- PADEL STOP
- ELECTRICAL THIRD SHAFT

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GEARED HEAD
EXTRA HEAVY DUTY LATHE MACHINE
VGH-406





MODEL - VGH-406 GEARED HEAD EXTRA HEAVY DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	7' (2100 mm)	9' (2740 mm)	10' (3040 mm)	12' (3650 mm)	14' (4260 mm)	16' (4850 mm)	18' (5450 mm)	20' (6050 mm)	22' (6650 mm)	24' (7250 mm)	26' (7850 mm)
ADMIT BETWEEN CENTRE	700 mm	1300 mm	1600 mm	2200 mm	2800 mm	3400 mm	4000 mm	4600 mm	5200 mm	5800 mm	6400 mm

TYPE OF BED

HEIGHT OF CENTRE

Hardened Bed Ways

406 mm (16") 457 mm (18")

SWING OVER BED

785 mm 885 mm

SWING OVER CROSS SLIDE

480 mm 580 mm

SWING IN GAP

1100 mm 1200 mm

WIDTH OF BED

455 mm

LENGTH OF GAP IN FRONT OF FACE PLATE

250 mm*

MAIN SPINDLE

NO. OF SPINDLE SPEED

9

SPINDLE SPEED RANGE

19 to 310 RPM*

TAPER IN SPINDLE

MT-6

SPINDLE BORE

100 mm

SPINDLE NOSE

A2-8

THREADS

LEAD SCREW DIAMETER / PITCH

44.4 mm / 2 TPI

NOS. OF THREADS/RANGE

METRIC : 24 / 0.5 mm to 15 mm PITCH

(FOR FULL NORTON GEAR BOX)

INCH : 44 / 2 to 60 TPI

NO. OF FEEDS

40

RANGE OF LONGITUDINAL FEEDS

0.066 - 2 mm

RANGE OF TRANSVERSE FEEDS

0.0165 - 0.5 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER

76 mm

TAPER IN TAIL STOCK QUILL

MT - 5

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL

500 mm*

COMPOUND SLIDE TRAVEL

250 mm

TAIL STOCK SLEEVE TRAVEL

250 mm

TOOL POST SQUARE

175 mm

TOOL SHANK SIZE

38 mm

SUITABLE ELECTRICAL HP

7.5 HP (3 phase) (960 RPM)

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY
- NORTON GEAR BOX WITH DOUBLE SHAFT

OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- PANEL BOARD
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT
- PADEL STOP
- ELECTRICAL THIRD SHAFT

NOTE : As improvements are constantly made in our machines, the above illustrations, specifications, dimensions and technical data are subject to modifications and change without prior notice and not binding on us.



GEARED HEAD
EXTRA HEAVY DUTY LATHE MACHINE
VGH-508



GEARED HEAD
EXTRA HEAVY DUTY LATHE MACHINE



MODEL - VGH-508 GEARED HEAD EXTRA HEAVY DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	7' (2100 mm)	9' (2740 mm)	10' (3040 mm)	12' (3650 mm)	14' (4260 mm)	16' (4850 mm)	18' (5450 mm)	20' (6050 mm)	22' (6650 mm)	24' (7250 mm)	26' (7850 mm)
ADMIT BETWEEN CENTRE	700 mm	1300 mm	1600 mm	2200 mm	2800 mm	3400 mm	4000 mm	4600 mm	5200 mm	5800 mm	6400 mm

TYPE OF BED

HEIGHT OF CENTRE

SWING OVER BED

SWING OVER CROSS SLIDE

SWING IN GAP

WIDTH OF BED

LENGTH OF GAP IN FRONT OF FACE PLATE

Hardened Bed Ways

508 mm (20")

985 mm

680 mm

1300 mm

558 mm

250 mm*

MAIN SPINDLE

NO. OF SPINDLE SPEED

9

SPINDLE SPEED RANGE

19 to 310 RPM*

TAPER IN SPINDLE

MT-6

SPINDLE BORE

100 mm

SPINDLE NOSE

A2-8

THREADS

LEAD SCREW DIAMETER / PITCH

44.4 mm / 2 TPI

NOS. OF THREADS/RANGE

METRIC : 24/0.5 mm to 15 mm PITCH

(FOR FULL NORTON GEAR BOX)

INCH : 44 / 2 to 60 TPI

NO. OF FEEDS

40

RANGE OF LONGITUDINAL FEEDS

0.066 - 2 mm

RANGE OF TRANSVERSE FEEDS

0.0165 - 0.5 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER

76 mm

TAPER IN TAIL STOCK QUILL

MT - 5

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL

550 mm*

COMPOUND SLIDE TRAVEL

250 mm

TAIL STOCK SLEEVE TRAVEL

250 mm

TOOL POST SQUARE

175 mm

TOOL SHANK SIZE

38 mm

SUITABLE ELECTRICAL HP

7.5 HP (3 phase) (960 RPM)

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY
- NORTON GEAR BOX WITH DOUBLE SHAFT

OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- PANEL BOARD
- SPLASH GUARD
- FOUNDATION ROUND PLATE WITH LEVELLING BOLTS
- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT
- PADEL STOP
- ELECTRICAL THIRD SHAFT

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GEARED HEAD
EXTRA HEAVY DUTY LATHE MACHINE
VGH-558





MODEL - VGH-558 GEARED HEAD EXTRA HEAVY DUTY LATHE MACHINE : TECHNICAL SPECIFICATIONS

BED

LENGTH OF BED	10' (3040 mm)	12' (3650 mm)	14' (4260 mm)	16' (4850 mm)	18' (5450 mm)	20' (6050 mm)	22' (6650 mm)	24' (7250 mm)	26' (7850 mm)
ADMIT BETWEEN CENTRE	1200 mm	1800 mm	2400 mm	3000 mm	3600 mm	4200 mm	4800 mm	5400 mm	6000 mm

TYPE OF BED

HEIGHT OF CENTRE

SWING OVER BED

SWING OVER CROSS SLIDE

SWING IN GAP

WIDTH OF BED

LENGTH OF GAP IN FRONT OF FACE PLATE

Hardened Bed Ways

558 mm (22")	609 (24")
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1075 mm	1175 mm
---------	---------

750 mm	850 mm
--------	--------

1400 mm	1500 mm
---------	---------

660 mm

250 mm*

MAIN SPINDLE

NO. OF SPINDLE SPEED

8

SPINDLE SPEED RANGE

14 to 200 RPM*

TAPER IN SPINDLE

MT-6

SPINDLE BORE

115 mm

SPINDLE NOSE

A-11

THREADS

LEAD SCREW DIAMETER / PITCH

44.4 mm / 2 TPI

NOS. OF THREADS/RANGE

METRIC : 24/0.5 mm to 15 mm PITCH

(FOR FULL NORTON GEAR BOX)

INCH : 44 / 2 to 60 TPI

NO. OF FEEDS

40

RANGE OF LONGITUDINAL FEEDS

0.066 - 2 mm

RANGE OF TRANSVERSE FEEDS

0.0165 - 0.5 mm

TAIL STOCK

TAIL STOCK SPINDLE DIAMETER

100 mm

TAPER IN TAIL STOCK QUILL

MT - 5

TRAVEL AND TOOLS

CROSS SLIDE TRAVEL

550 mm*

COMPOUND SLIDE TRAVEL

250 mm

TAIL STOCK SLEEVE TRAVEL

250 mm

TOOL POST SQUARE

200 mm

TOOL SHANK SIZE

38 mm

SUITABLE ELECTRICAL HP

15 HP (3 phase) (960 RPM)

STANDARD ACCESSORIES :

- CHUCK BACK PLATE
- CENTRE ADAPTER
- DEAD CENTRES 2 NOS
- TOOL POST SPANNER
- MOTOR PULLEY
- THREAD DIAL INDICATOR
- CHANGE GEAR SET
- CHIP TRAY
- NORTON GEAR BOX WITH DOUBLE SHAFT

OPTIONAL ACCESSORIES :

- INDEPENDENT CHUCK
- SELF CENTRING CHUCK
- CHUCK BACK PLATE EXTRA
- STEADY REST
- FOLLOW REST
- FACE PLATE
- CARRIER PLATE
- TAPER TURNING ATTACHMENT
- COOLANT PUMP WITH TANK AND FITTINGS
- ELECTRICALS (MOTOR, WIRING, SWITCH, V-BELTS AND FITTINGS)
- PANEL BOARD
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- QUICK CHANGE TOOL POST
- KEY WAY ATTACHMENT
- PADEL STOP
- ELECTRICAL THIRD SHAFT

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inside Story

Capability to provide custom lathe machines as per client's requirements in cost-effective, quality centric and time bound frame.

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Balaji Industrial Zone - A, Plot No. 44, Ribda Ardoi Road, Off National Highway, Ribda, Rajkot - 360 311. India.

Cell : +91 94273 96228 • WhatsApp : +91 94273 96228 • E-mail : vinit@balajilathe.com

Cell : +91 72260 41935 • WhatsApp : +91 72260 41935 • Web : www.balajilathe.com