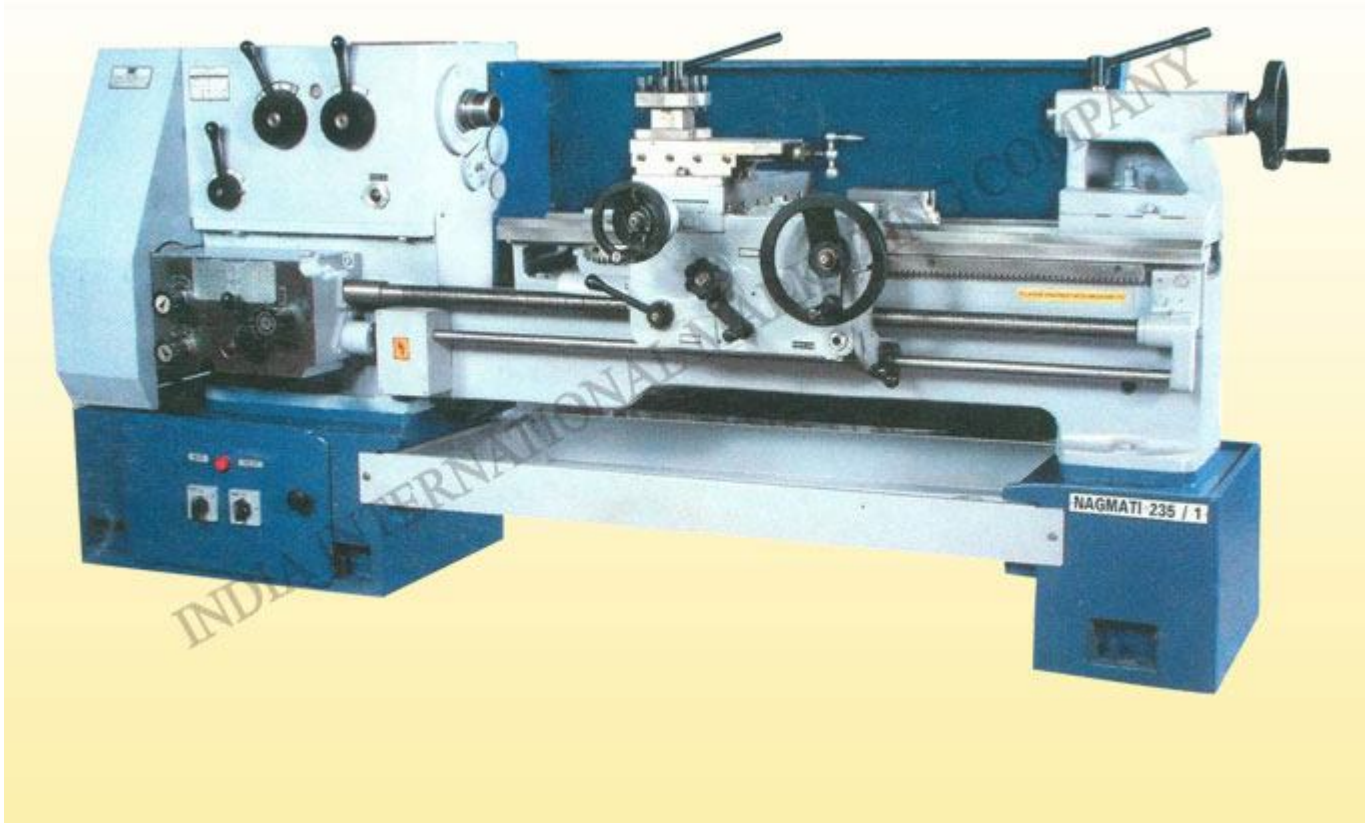




INDIA INTERNATIONAL MARKETING COMPANY



ALL GEARED LATHE MACHINES - NAGMATI MODEL 235/1 TO 235/6



Special Features

Rigidity and heavy duty performance

- Robust IS 25 graded castings.
- Rigid and box section type extra wide bed provides maximum torsional stiffness.
- Rigid and accurate, alloy steel, hardened & ground man spindle mounted on precision taper roller bearings.
- Speeds range from 35 to 1500 RPM with 5 HP motor.
- Force lubrication in headstock.

- Apron with oil bath.
- Interlock for thread and feed mechanism (only one can be engaged at a time).
- Full length cross slide to accommodate rear tool post or copying attachment.
- Heavy square body tailstock with 60 mm sleeve.
- Sliding type coolant and chip tray.
- Electrical overload protection through relays and contactors.

Built-in accuracy :

- All major casting artificially seasoned for retaining built-in accuracy.
- Critical components precision machined on imported mother machines.
- Induction hardened and ground and alloy steel gears mounted on precision spline shafts & running in oil bath.
- Flame hardened and ground bed for minimum wear.
- Alloy steel lead screw threads cut on WMW thread milling machine.
- Each machine tested to IS: 1978 (Part I) 1993.

Versatility:

- Built-in gap bed.
- Extra height of centers for larger jobs (optional).
- Norton gear box for selection of wide range of feeds and threads.
- Instantaneous spindle reversal while threading by swich shaft lever attached with carriage.
- Wide variety of optional accessories for higher productivity.

Interchangeability:

All components machined using jigs & fixtures on imported mother machines to close tolerances thus providing easy interchangeability.

Technical Specifications for model: HGN-1, 2, 3, 4, 5, 6

Capacity		Standard	Optional
Centre height over flat ways	mm	235	305
Swing over bed	mm	455	595
Swing over cross slide	mm	255	395
Swing in gap	mm	760	900
Width of gap in front of face plate	mm	200	200
Bed width	mm	325	325
Admit Between Centers			Bed Length
235/1	mm	1035	2200
235/2	mm	1550	2700
235/3	mm	2000	3170
235/4	mm	2500	3670

235/5	mm	3200	4380
235/6	mm	4000	5280
Main Spindle			
Spindle nose dia./threads	mm/TPI	74.6x6TPI	
Spindle bore dia.	mm	52	
Taper bore in spindle		MT-6	
Carriage			
Cross slide travel	mm	240	310
Compound slide travel	mm	120	
Tail Stock			
Sleeve dia.	mm	60	
Taper bore in sleeve	mm	MT-4	
Sleeve travel	mm	180	

Speeds			
Number / Range		RPM	8 / 35-1500
Feeds			
Number			54
Range:			
Longitudinal		mm/rev	0.017 to 0.998
Cross		mm/rev	0.0041 to 0.2410
Lead Screw			
Diameter/Threads		mm/TPI	38/4
Threads			
Range:			
Metric		No./Pitch (mm)	17/0.5 to 6
Inch		No./TPI	54/224 to 4
Electrical			
Power supply			440 V, 3 Phase, 50 hz
Main motor		KW (HP)	3.7 (5)
Coolant motor		KW (HP)	0.11 (0.5)
Accuracy			
Geometrical and practical accuracies, Confirm to IS: 1978 (Part I) 1993.			

Dimension				
Model	Floor Space occupied (mm)	Approx weight (kg)	Approx size of case (mm)	Volume of case (m ³)

		Nett	Gross		
235/1	2440 x 1450	1575	1825	2740 x 1105 x 1370	4.15
235/2	3010 x 1450	1675	1975	3200 x 1105 x 1370	4.84
235/3	3460 x 1450	1875	2225	3700 x 1105 x 1370	5.60
235/4	4125 x 1450	1975	2375	4370 x 1105 x 1370	6.62
235/5	5000 x 1450	2500	3500	5070 x 1105 x 1370	7.68
235/6	5780 x 1450	3200	4200	5800 x 1105 x 1370	8.78

Standard Accessories

Four position square tool post. Driving plate. Centre adaptor. Dead centers (MT-4-2 Nos) Electric motor, starter. Spindle reversal shaft. Change gear set for metric and inch threads. Thread dial indicator. Tool post spanner Instruction Manual, V-Belt, Norton Gear box.

Optional Accessories

Taper turning attachment (300 length x 250 Dia. max) Coolant pump with tank and electrical fittings. Machine lamp. Long cross slide with rear tool post. three jaw self centering and four jaw independent chucks. Chuck flange. Quick change tool post. 305 mm heigh of centre. Face plate, Steady rest, Follow rest, Rear splash guard.

Note : As improvements are constantly made in our machine, the specification are subject to change without notice and are not binding on us.



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