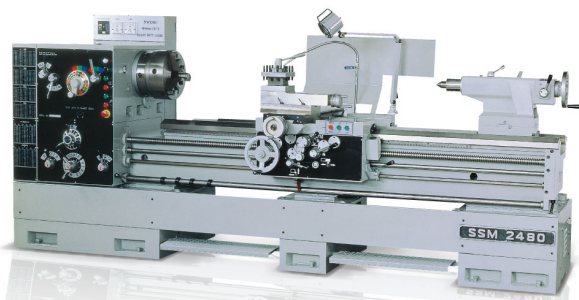


HEAVY DUTY LATHE

(CLUTCH LATHE; Spindle bore 105mm 4-1/8 inch)

Model: 2480, 24120, 24160, 3080, 30120, 30160



FEATURES

- 4-1/8" (105 mm) Spindle bore; D1-11 cam lock spindle nose; 3- bearing spindle support. The front and middle are precision "TIMKEN" taper roller bearing. The rear is roller bearing.
- 18 Spindle speeds, 10-1200R.P.M. , with electro-magnetic brake.
- Electro-magnetic clutch mounted in Headstock, for spindle speed changed without stopping motor.
- Automatic forced lubrication in headstock is moved by a direct motor drive lubrication gear pump, and oil tank is equipped in the floor stand to minimize the cooling of oil.
- Heavy duty geared head; hardened and ground gears.
- 15HP Main spindle motor.
- Quick-change universal gearbox for inch, metric, DP, MP, threading. All function without any change gears.
- Special threads: 11-1/2 TPI, 13TPI, 13-1/2 TPI, 19 TPI, and with Multiple thread.
- Four-way rapid carriage movement.
- Automatic lubrication in saddle and apron assembly.
- Adjustable overload clutch in apron to ensure proper cutting load.
- 2 speeds tailstock barrel.
- 19in (485mm) wide bed ways, induction hardened and ground.

BRIEF SPECIFICATION FOR HEAVY DUTY LATHE

MODEL	2480	24120	24160	3080	30120	30160
NOMINAL SIZE	Swing over bed	610 mm (24")			760 mm (30")	
	Swing over cross slide	350 mm (13-3/4")			500 mm (19-3/4")	
	Height of center	305 mm (12")			380 mm (15")	
BED	Distance between centers	2033 mm (80")	3050 mm (120")	4050 mm (160")	2033 mm (80")	3050 mm (120") 4050 mm (160")
	Width of bedways			485 mm (19")		
	Total length of bed	3320 mm (130")	4380 mm (172")	5470 mm (215")	3320 mm (130")	4380 mm (172") 5470 mm (215")
	Swing over gap		820 mm (32-1/4")			970 mm (38-1/4")
	Length of gap			515 mm (20-1/4")		
SPINDLE	Width in front of face plate			340 mm (13-3/8")		
	Spindle nose mounting			D1-11 CAMLOCK		
	Spindle bore			105 mm (4-1/8")		
	Taper of spindle bore			M.T.#5 (with center sleeve)		
	Number of spindle speeds		18 steps		18 steps (Forwarded & Reversed by magnetic clutch control)	
TOOL SLIDE	Range of spindle speeds		10-1200 R.P.M. (with Magnetic brake)			
	Total travel of cross slide			375 mm (14-3/4")		
	Total travel of top slide			225 mm (9")		
TAIL STOCK	Max. Size cutting tool			28 mm (1-1/8")		
	Total travel of tailstock barrel			195 mm (7-1/2")		
THREADS	Taper in tailstock barrel			M.T.#5		
	Diameter of barrel			80 mm (3-1/8")		
	Lead screw diameter & pitch			Dia. 38 mm Pitch 12 mm 2 T.P.I.		
FEEDS	Inch threads			1/4 - 80 T.P.I. (60)		
	Metric pitches			0.2 - 112 mm (60)		
	Diametral pitches			1 - 240 D.P. (55)		
	Module pitches			0.05 - 28 M.P. (55)		
MOTOR	Feed rod diameter			38 mm (1-1/2")		
	Range of longitudinal feeds			0.040 - 5.000 mm/rev / 0.0015 - 0.20 in/rev. (40)		
WEIGHT	Range of cross feeds			0.015 - 4.000 mm/rev. / 0.0006 - 0.16 in/rev. (40)		
	Main spindle motor			15 HP 11 kw		
PACKING SIZE	Coolant pump motor			1/8 HP 0.1 kw		
	Machine net weight	3500 kgs	4000 kgs	4500 kgs	3800 kgs	4300 kgs 4800 kgs
WEIGHT	Crate size (L x W x H)	148" x 62" x 73"	189" x 62" x 73"	231" x 62" x 73"	148" x 62" x 76"	189" x 62" x 76" 231" x 62" x 76"
	Crate size (L x W x H)					

We reserve the right to modify and improve our products.



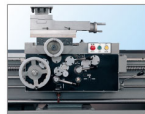
▲ Automatic lubrication system



▲ Multiple threading system for cutting worm.



▲ Electro-magnetic clutch & Brake



▲ Four-way rapid carriage movement.



▲ Tailstock hand-wheel has two-speed feed



▲ Wide of bed-ways 19inch, 485mm