

Sharp



3 1/4" SPINDLE BORE

**ONE-PIECE
BASE CASTING**

SHARP W-M Series Heavy Duty Lathes

A powerful, wide bed, big bore engine lathe. The full length, one piece base casting gives this machine incredible rigidity. Bedways are hardened and ground Meehanite® for wear resistance. The quick change gearbox achieves all inch and metric threads without interchanging gears. The headstock is fitted with chrome-moly hardened and ground gears and is pressure lubricated. Auto feed protection is provided by an adjustable overload clutch. Adjustable auto feed stops are standard equipment .

STANDARD EQUIPMENT

- 2 Speed Tailstock
- 3 Jaw Chuck
- 4 Jaw Chuck
- Steady Rest
- Safety Brake
- Coolant System
- Multi-Position Length Stop
- Rear Splash Guard
- Halogen Work Light



SHARP W- series Precision Engine Lathes are available in three size ranges: W-S, W-M, and W-L

Standard configurations for these machines are as follows:

	w-S	w-M	w-L
Maximum Swing	17"/19"/21"	22"/26"	22"/26"/30"
Maximum Length	30"/40"/60"/80"	40"/60"	40"/60"/80"/100" 120"/160"
Bed Width	12 inch	14 inch	16 inch
Spindle Bore	3.07"	3.35"	4.52"
Motor HP	7.5	10	15
Spindle Mount	D1-8 camlock	D1-8 camlock	D1-11 camlock
Tailstock Taper	MT4	MT5	MT 5
Speed Range	20-2000 RPM	15-1500 RPM	14-1500 RPM (10-1100RPM opt.)
Leadscrew	4TPI	4TPI	4TPI (2TPI opt.)

Sharp

W- 17S/ 19S/ 21S SERIES

W-S SERIES LATHES

SPECIFICATION:

MODEL		W- 1730S/ 1740S W- 1760S/ 1780S	W- 1930S/ 1940S W- 1960S/ 1980S	W- 2130S/ 2140S W- 2160S/ 2180S
SWING OVER BED		430mm	470mm	520mm
SWING OVER CROSS SLIDE		240mm	280mm	330mm
CENTER DISTANCE		760 / 1000 / 1500 / 2000mm		
SWING OVER GAP		650mm	690mm	740mm
BED WIDTH		300mm (12")		
SPINDLE NOSE		ASA D1-6 (OPT.-D1-8)		ASA D1-8
SPINDLE BORE		58 mm (OPT.-78mm)		78mm
TAPER OF SPINDLE BORE		MT6 (OPT.-MT7)		MT7
SPINDLE SPEED		20~2000RPM		
INCH THREADS RANGE		4~56 TPI		
METRIC THREADS RANGE		P0.5~P7		
LONGITUDINAL FEEDS RANGE		0.05~0.82mm		
CROSS FEEDS RANGE		0.02~0.4mm		
LEADSCREW DIAMETER		35mm		
LEADSCREW PITCH		4 TPI or 6mm		
TAILSTOCK TAPER		MT4		
TAIL SPINDLE TRAVEL		150mm		
TAIL SPINDLE DIAMETER		58mm	68mm	
MAIN DRIVE MOTOR		5HP (OPT.-7.5HP)	7.5HP (OPT.-10HP)	
COOLANT PUMP		1/8HP		
COMPOUND REST TRAVEL		125mm		
CROSS SLIDE TRAVEL		245mm		275mm
MACHINE DIMENSIONS	(L)	1890 / 2450 / 2650 / 3170 mm		
	(W x H)	810 x 1190mm	810 x 1220mm	810 x 1250mm
NET WEIGHT (KGS)		1680/1760/2050/2300	1720/1800/2075/2380	1760/1810/2135/2440

SPECIFICATION:			
MODEL		W- 2240M / 2260M	W- 2640M / 2660M
SWING OVER BED		560mm	660mm
SWING OVER CROSS SLIDE		340mm	440mm
CENTER DISTANCE		1000 / 1500 mm	
SWING OVER GAP		788mm	890mm
BED WIDTH		350mm	
SPINDLE NOSE		ASA D1-8	
SPINDLE BORE		85 mm	
TAPER OF SPINDLE BORE		MT.NO.7	
SPINDLE SPEED		15~1500RPM (12 steps)	
INCH THREADS RANGE		2~56 TPI	
METRIC THREADS RANGE		P0.5~P14	
LONGITUDINAL FEEDS RANGE		0.05~0.82mm	
CROSS FEEDS RANGE		0.02~0.4mm	
LEADSCREW DIAMETER		38mm	
LEADSCREW PITCH		4 TPI or 6mm	
TAILSTOCK TAPER		MT.5	
TAIL SPINDLE TRAVEL		165mm	
TAIL SPINDLE DIAMETER		75mm	
MAIN DRIVE MOTOR		7.5HP (OPT.-10HP)	
COOLANT PUMP		1/8HP	
COMPOUND REST TRAVEL		200mm	
CROSS SLIDE TRAVEL		300mm	
MACHINE DIMENSIONS	(L)	229 / 298 mm	
	(W x H)	990 x 1250 mm	990 x 1300 mm
PACKING DIMENSIONS	(L)	2380 / 2900 mm	
	(W x H)	1150 x 1700mm	
NET WEIGHT (KGS)		2000 / 2400	2250 / 2450

Sharp

W- 22L/ 26L/ 30L SERIES

W-L SERIES LATHES

SPECIFICATION:

MODEL		W- 2240/2260/2280L 22100/22120/22160L	W- 2640/2660/2680L 26100/26120/26160L	W- 3040/3060/3080L 30100/30120/30160L
SWING OVER BED		560mm	660mm	760mm
OVER CROSS SLIDE		340mm	440mm	540mm
CENTER DISTANCE		1000 / 1500 / 2000/ 2500/ 3000/ 4000mm		
SWING OVER GAP		788mm	890mm	990mm
BED WIDTH		400mm (16")		
SPINDLE NOSE		ASA D1-8 (OPT.-D1-11)		ASA D1-11
SPINDLE BORE		85 mm (OPT.-115mm)		115mm
TAILSTOCK TAPER		MT7		
SPINDLE SPEED		15~1500RPM(OPT.-10~1000RPM)		
INCH THREADS RANGE		2~56 TPI		
METRIC THREADS		P0.5~P14		
LONGITUDINAL FEEDS		0.05~0.82mm		
CROSS FEEDS RANGE		0.02~0.4mm		
LEADSCREW DIA.		38mm		
LEADSCREW PITCH		4 TPI or 6mm		
TAILSTOCK TAPER		MT5		
TAIL SPINDLE TRAVEL		165mm		
TAIL SPINDLE DIA.		85mm		
MAIN DRIVE MOTOR		10HP	10HP (OPT.-15HP)	
COOLANT PUMP		1/8HP		
COMPOUND TRAVEL		200mm		
CROSS SLIDE TRAVEL		375mm		
MACHINE DIMENSIONS	(L)	2380/ 2900/ 3470/ 3980/ 4730/ 5550 mm		
	(WxH)	103 x 126 mm	103 x 131 mm	103 x 136 mm
PACKING DIMENSIONS	(L)	2500/ 3000/ 3560/ 4260/ 4850/ 5730 mm		
	(WxH)	1150 x 1940mm		
GROSS WEIGHT (KGS)		2300/ 2650/ 3050/ 3300/ 3770/ 5030	2380/ 2730/ 3130/ 3380/ 3850/ 5110	2460/ 2810/ 3210/ 3460/ 3930/ 5190



SHARP W- series Precision Engine Lathes are available in three size ranges: W-S, W-M, and W-L

Standard configurations for these machines are as follows:

	w-S	w-M	w-L
Maximum Swing	17"/19"/21"	22"/26"	22"/26"/30"
Maximum Length	30"/40"/60"/80"	40"/60"	40"/60"/80"/100" 120"/160"
Bed Width	12 inch	14 inch	16 inch
Spindle Bore	3.07"	3.35"	4.52"
Motor HP	7.5	10	15
Spindle Mount	D1-8 camlock	D1-8 camlock	D1-11 camlock
Tailstock Taper	MT4	MT5	MT 5
Speed Range	20-2000 RPM	15-1500 RPM	14-1500 RPM (10-1100RPM opt.)
Leadscrew	4TPI	4TPI	4TPI (2TPI opt.)