

HERBeRT - smith

Heavy Duty - All Geared Lathes



WORLD CLASS



India's Fastest Selling Lathe

**SHIMATO
GROUP**

Features

- Precision ground and supersonic frequency hardened bed ways is designed in double wall structure, giving superb rigidity
- The spindle system is high in rigidity and accuracy
- The design of the main drive is optimized and the gears in the head stock are precision ground. The noise of the machine is low.
- There is no need for change gears.
- The machine can turn about 200 kinds of metric, whitworth, module and D.P. threads.
- An automatic stopping device is used to realize automatic stop for the machine of a certain length workpiece, which is safe and reliable. A pedal braking device providing quick and effective stop while operating.

Standard Accessories

- 3 Jaw Chuck
- Change Gears Set
- Chasing Dial Indicator
- Reduction Sleeve
- Dead Centers
- Full Length Splash Guard
- Coolant System
- Brake System
- 4 Jaw Chuck
- Face Plate
- Steady Rest
- Follow Rest
- Tool Box & Tools

Optional Accessories

- Taper Turning Attachment
- Live Center
- Work Light
- Leadscrew Guard
- Digital Readout
- Quick Change Tool Post
- Chuck Guard
- Digital Readout (2 Axis)
- Drill Chuck+Drill Arbor

SPECIFICATIONS

Particulars	C6241	C6246	C6251	C6256
Swing over bed (mm)	410	460	510	560
Swing over cross slide (mm)	224	274	300	350
Swing in gap diameter (mm)	640	690	738	788
Length of gap (mm)	155		200	
Bed width (mm)	300		350	
Admit between centers (mm)	1000, 1500		1500, 2000	
Spindle Nose	D1-6		D1-8	
Taper in spindle center	MT6			
Spindle bore (mm)	58		80	
No. of spindle speeds and range (rpm)	25-2000 (12 changes)		25-1600 (12 changes)	
Longitudinal feeds (mm/rev)	0.031-1.7 (42 kinds)		0.059-1.646 (35 kinds)	
Cross feeds (mm/rev)	0.014-0.784 (42 kinds)		0.020-0.573 (35 kinds)	
Lead screw dia (mm)	35			
Lead screw pitch (mm)	12		6	
Cutting tool max section (mm)	22 x 22		25 x 25	
Threads - Metric pitches (mm)	0.1 - 14 (41 kinds)		0.2 - 14 (47 kinds)	
Threads - Imperial pitches (TPI)	2 - 112 (60 kinds)		2 - 112 (60 kinds)	
Threads - Module pitches (MP)	0.1 - 7 (34 kinds)		0.1 - 7 (39 kinds)	
Threads - Diametrical pitches (DP)	4 - 112 (50 kinds)		4 - 112 (50 kinds)	
Cross slide travel (mm)	290		326	
Compound rest travel (mm)	120		130	
Longitudinal rapid traveling speed (m/min)	2.9			
Traversals rapid traveling speed (m/min)	1.2			
Sleeve diameter (mm)	60		75	
Morse taper of sleeve	MT4		MT5	
Max. traveling of sleeve (mm)	120		180	
Main drive motor	4.4 KW (5.4hp)		7.5 KW (10 hp)	
Rapid travel motor (W)	250			
Coolant pump motor (W)	90		100	
Weight (Kg)	2000 onwards	2100 onwards	2335 onwards	2370 onwards

As there are regular improvements made on the machines, Specification are subject to change without notice.



SHIV MACHINE TOOLS
A unit of SHIMATO GROUP

Website : www.shimato.in
Sales : info@shimato.in
Service : service@shimato.in

Sold & Serviced by:

Chennai H.O.:
#102, Armenian Street, Chennai-1
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Chennai - Ambattur:
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Chennai-98
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Fax: 044-2635 0062

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