

HEAVY DUTY LATHE MACHINE



METAL PROCESSING EXPERT



HIGH
PERFORMANCE



HIGH
RELIABILITY



HIGH
QUALITY

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HEAVY DUTY ENGINE LATHE

OWM W61125



OPTIONAL ACCESSORIES

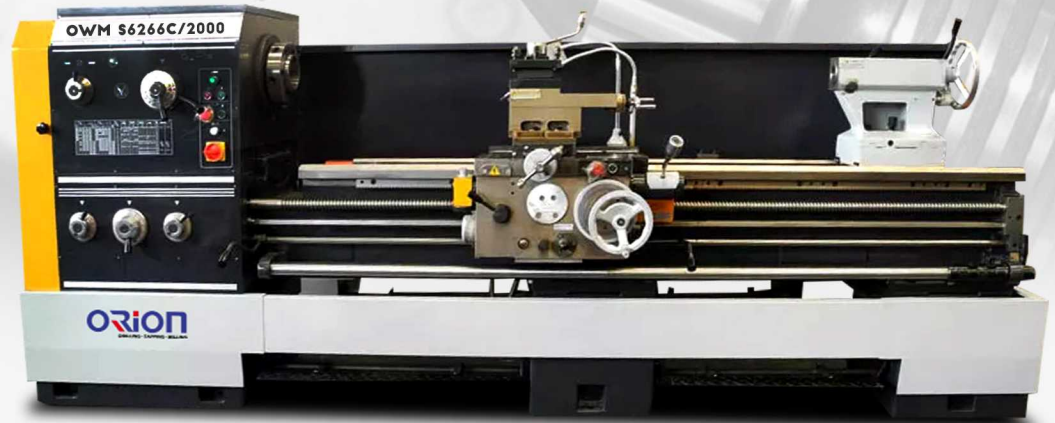
1. 3 Jaw Chuck
2. 2 axis / 3 axis DRO
3. Lathe Tools
4. Live Centers

	SPECIFICATION	OWM W61125	OWM W61160	OWM W61180	OWM W61200	OWM W61220
Main Data	Max. swing over bed	1250mm	1600mm	1800mm	2000mm	2200mm
	Bed width	755mm	755/1100 mm		1100mm	
	Max. workpiece length	1500 / 3000 / 5000 / 6000 / 8000 / 15000 mm				
	Max. swing over toolpost	860mm	1200mm	1380mm	1580mm	1780mm
	Max. turning length	1300 / 2800 / 4800 / 5800 / 7800 / 14800mm				
Feeding	Toolpost feed kinds each spindle rotate	56 kinds				
	Toolpost cross feed range each spindle rotate	0.1-12mm/r				
	Toolpost longitudinal feed range each spindle rotate	0.05-6mm/r				
	Upper toolpost	0.025-3mm/r				
	Metric thread	44 kinds 1-120mm				
	Inch thread	31 kinds 28-1/4 teeth / inch				
	Module thread	45kinds 0.5-60mm				
	Pitch thread	38 kinds 1/2-56D.P				
Spindle	Spindle bore	130mm				
	Spindle front taper	Metric 140				
	Spindle speed steps and range forward	21 kinds 3.15-315 r/min		21 kinds 2-200 r/min		
	Reverse	12 kinds 3.5-278 r/min		12 kinds 2.25-178 r/min		
Tool Post	Max. section of tool	45x45mm				
	Toolpost longitudinal travel	630mm				
	Upper toolpost travel	300mm				
	Toolpost rapid movement Longitudinal / Crossr Upper	3470 / 1870 / 935 mm/min				
Tailstock	Tailstock sleeve dia and travel	160x300mm		210x300mm		
	Tailstock taper	MT6				
	Tailstock longitudinal movement	±25MM				
Power	Main motor	22Kw				
	Main transsion V belt specification	2134C, 2235C, 2540C			2540C, 2880C	
	Carriage rapid motor	1.5 kw				
	Coolant pump	90 w				
	Coolant pump flow	45L / min				
Standard Access	4-jaw chuck	1000/1250mm			1250/1400mm	
	Steady rest	50-470mm			50-600mm	
	Follow rest	50-220mm				

OWM S6266C

OPTIONAL ACCESSORIES

1. 3 jaw chuck
2. 4 jaw chuck
3. Face plate
4. Coolant system
5. Working light
6. Foot brake
7. Rapid travel
8. Steady rest
9. Follow rest
10. Change gears set
11. Tool Box & Tools



HEAVY DUTY ENGINE LATHE

SPECIFICATION	OWM S6240	OWM S6250B	OWM S6266B	OWM Q6280B	OWM S6250C	OWM S6266C	OWM Q6280C
Max. swing over bed	φ400mm	φ500mm	φ660mm	φ800mm	φ500mm	φ660mm	φ800mm
Max. swing gap	φ630mm	φ710mm	φ870mm	φ1000mm	φ710mm	φ870mm	φ1000mm
Max. swing over slide	φ220mm	φ300mm	φ420	φ560mm	φ300mm	φ420mm	φ560mm
Bed Width	390mm						510mm
Max workpiece length	750/1000/1500/2000/3000mm	1000/1500mm		2000/3000mm	1000/1500mm		2000/3000mm
		2000/3000mm			2000/3000mm		
Spindle bore	φ52mm	φ82mm			φ105mm		
Spindle taper	CS6240:ISO 702/III NO.6 BAYONET LOCK, OTHERS:ISO 702/II NO.8 COM-LOCK TYPE						
Spindle Speed	24 steps 9-1600 rpm			24 steps	12 steps		12 steps
				8-1400rpm	36-1600rpm		30-1400rpm
Spindle Motor	7.5kw						
Diameter of quill	φ75mm				φ90mm		
Max. travel of quill	150mm						
Taper of quill	MT5						
Max. section of tool	25X25mm						
Max. X travel	145mm						
Max. Z travel	320mm					310mm	320mm
X feed range	93 kinds 0.028-6.43mm/r			65 kinds 0.063-2.52mm/r			
Z feed range	93 kinds 0.012-2.73mm/r			65 kinds 0.027-1.07mm/r			
Metric thread	48 kinds 0.5-224mm			22 kinds 1-14mm			
Inch thread	46 kinds 72-1/8 t.p.i			25 kinds 28-2t.p.i			
Module thread	42 kinds 0.5-112 Tmm			18 kinds 0.5-7 Tmm			
Pitch speed	45 kinds 56-1/4 t.p.i.T			24 kinds 56-4t.p.i.T			
Cooling power	60W						
Length	2382/2632/3132/3632/4632mm		2632/3132mm	3365/4365	2632/3132mm		3365/4365mm
			3632/4632mm		3632/4632mm		
Width	975mm		1050mm	1340mm	975mm		1340mm
Height	1230mm		1350mm	1430mm	1270mm	1450mm	1490mm
N.W / G.W	1795/2050kgs	2050/2100kgs	2400/2600kgs	3300/3700kgs	2100/2300kgs	2200/2400kgs	3000/3200kgs
	2250/2450/2850kgs	2300/2500/2900kgs	2800/3000kgs		2500/2900kgs	2600/3000kgs	

HEAVY DUTY ENGINE LATHE

OWM D6250C

OPTIONAL ACCESSORIES



1. 3 jaw chuck 250mm
2. 4 jaw chuck 315mm
3. Steady rest
4. Follow rest
5. Face plate
6. Longitudinal touch stop
7. Work lamp
8. Coolant system
9. Chasing dial indicator
10. Full-length splash guard
11. Foot brake
12. Change gears
13. Oil gun
14. One whole set spanner

SPECIFICATION	OWM D6240B/C	OWM D6250B/C	OWM D6260B/C
Max. swing over bed	φ400mm	φ500mm	φ600mm
Max. swing over cross slide	φ225mm	φ325mm	φ360mm
Max. swing over gap	φ530mm	φ630mm	φ730mm
Effective length of gap	260mm		
Distance between centers	1000mm/1500mm/2000mm/3000mm		
Bed Width	330mm		
Spindle bore	B:φ65mm C:φ80mm (optional:103mm)		
Spindle nose	B:ISO-D6, C:ISO-D8		
Spindle speed (Number)	B:20-1800rpm(15steps) C:24-1600rpm(15steps)		
Longitudinal feeds range	66kinds 0.072-4.038mm/rev(0.0027-0.15inch/rev)		
Cross feeds range	66kinds 0.036-2.019mm/rev(0.0013-0.075inch/rev)		
Metric threads range	66kinds 0.5-28		
Inch threads range	66kinds 1-56inch		
Module threads range	33kinds 0.5-3.5mTf		
Diametric threads range	33kinds 8-56D.P		
Max. travel of top slide	130mm		
Max. travel of cross slide	300mm		
Max. section of tool	25x25mm		
Dia.of tailstock sleeve	φ65mm		
Taper of tailstock sleeve	MT5		
Max. travel of tailstock	120mm		
Main motor power	5.5kw(CD6240/6250), 7.5kw(CD6260)		
Rapid traverse motor	120w		
Coolant pump motor	125w		
Packing size	2420/2920/3460/4720x1150mmx1800mm		
N.W/G.W	1000mm: 1560/2210kgs 1600/2250kgs 1640/2290kgs 1500mm: 1770/2410kgs 1830/2470kgs 1870/2530kgs 2000mm: 2010/2780kgs 2070/2820kgs 2130/2860kgs 3000mm: 2400/3200kgs 2460/3260kgs 2580/3400kgs		

HEAVY DUTY ENGINE LATHE

OWM 6240C / OWM 6240F

OPTIONAL ACCESSORIES

1. Digital Readout (2 axis, 3 axis)
2. Quick change tool post
3. Taper turning attachment
4. Lathe tools
5. Face plate
6. Live center
7. Leadscrew guard
8. Chuck guard
9. CE standard



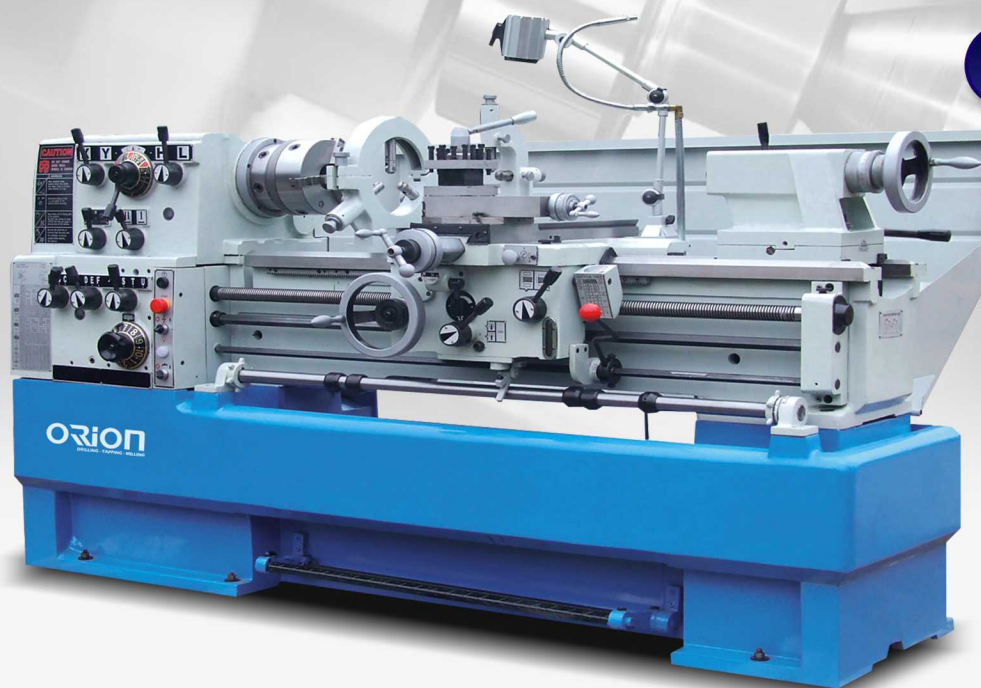
SPECIFICATION	OWM 6236C/6236F	OWM 6240C/6240F	OWM 6250C/6250F
Max. swing over bed	360mm	400mm	500mm
Max. swing over cross slide	190mm	230mm	330mm
Max. swing over gap	520mm	560mm	660mm
Effective length of gap	CC: 160mm CF: 160/130/130mm		
Distance between centers	750/1000/1500/2000/3000		
Bed width	360mm		
Spindle bore	52mm(optional:82mm)		
Spindle nose	ISO-C6		
Spindle taper	MT6		
Spindle speed (Number)	CC: (9steps)40-1400rpm CF: (12 steps)16-1600rpm		
Metric threads range	CC: 19kinds 0.25-14mm CF: 17kinds 0.25-7mm		
Inch threads range	CC: 27kinds 2-40inch CF: 30kinds 5-144 inch		
Module threads range	CC: 11kinds 0.5-3.5mT CF: 12kinds 0.25-3.5mT		
Max. travel of top slide	95mm		
Max. travel of cross slide	180mm	180mm	250mm
Max. section of tool	20x20mm		
Dia.of tailstock sleeve	65mm		
Taper of tailstock sleeve	MT4		MT5
Max. travel of tailstock	140mm		
Main motor power	4kw or 5.5kw		
Coolant pump motor	125w		
Packing size	2250/2450/2880x1150x1650mm		
N.W/G.W	750mm:1350/1750kgs 1400/1800kgs 1500/1900kgs		
	1000mm:1450/1480kgs 1500/1850kgs 1600/1950kgs		
	1500mm:1600/1950kgs 1650/2000kgs 1750/2100kgs		

HEAVY DUTY ENGINE LATHE

ORION
DRILLING - TAPPING - MILLING

OWM 6241

OPTIONAL ACCESSORIES



1. 3 jaw chuck 200mm
2. 4 jaw chuck 250mm
3. Coolant system
4. Working light
5. Foot brake
6. Steady rest
7. Follow rest
8. Chasing dial indicator
9. Change gears set
10. Tool Box & Tools

SPECIFICATION	OWM 6241(D)	OWM 6246(D)	OWM 6251	OWM 6256
Max. swing over bed	φ410mm	φ460mm	φ510mm	φ560mm
Max. swing over cross slide	φ220mm	φ270mm	φ300mm	φ350mm
Max. swing in gap	φ640	φ690mm	φ738mm	φ788mm
Distance between centers	1000mm/1500mm/2000mm/3000mm			
Valid length of gap	165mm		200mm	
Width of bed	300mm		350mm	
Spindle nose	D1-6		D1-8	
Spindle bore	φ58mm (D:80mm)		φ80mm	
Spindle taper	MT6		MT7	
Range of spindle speed	12 Changes, 25-2000r/min		12 Changes, 25-1600r/min	
Max. travel of top slide	128mm		130mm	
Max. travel of cross slide	285mm		326mm	
Max. section of tool	25x25mm			
Leadscrew pitch	6mm or 4 T.P.I			
Longitudinal feeds range	42 kinds, 0.031-1.7mm/rev		35 kinds, 0.059-1.646mm/rev	
Cross feeds range	42 kinds, 0.014-0.784mm/rev		35 kinds, 0.020-0.573mm	
Metric threads range	41 kinds, 0.1-14mm		47 kinds, 0.2-14mm	
Inch threads range	60 kinds, 2-112T.P.I		60 kinds, 2-112T.P.I	
Diametrical pitches range	50 kinds, 4-112DP		50 kinds, 4-112D.P.	
Module pitches range	34 kinds, 0.1-7MP		39 kinds, 0.1-7MP	
Tailstock quill diameter	φ60mm		φ75mm	
Tailstock quill travel	128mm		180mm	
Tailstock quill taper	MT4		MT5	
Main motor power	5.5Kw (7.5HP)3PH		7.5Kw (10HP)3PH.	
Coolant pump power	0.1Kw (1/8HP)3PH			
Overall size	2200/2750/3250x1080x1370mm		2900/3400x1120x1430mm	
Packing size	2250/2800/3300x1120x1620mm		2960/3460x1130x1820mm	
N.W	1670/1920/2070 Kg		2335/2685 Kgs	
G.W	1980/2265/2450 Kg		2700/3070 Kgs	

HEAVY DUTY ENGINE LATHE

OWM M6241

OPTIONAL ACCESSORIES

1. Digital Readout (2 axis, 3 axis)
2. Quick change tool post
3. Taper turning attachment
4. Lathe tools
5. Face plate
6. Live center
7. Leadscrew guard
8. Chuck guard
9. CE standard



SPECIFICATION	OWM6241x1000/1500mm/OWM6241Vx1000/1500mm
Max. swing over bed	410mm
Max. swing over cross slide	255mm
Max. swing in gap	580mm
Length of gap	190mm
Width of bed	250mm
Distance between centers	1000mm/1500mm
Center height	205mm
Spindle nose	D1-6
Spindle bore	52mm
Spindle taper	MT6
Range of spindle speed	16 changes 45-1800r/min /30-50r/min or 50-3000r/min
Travel of compound rest	102mm
Max. travel of cross slide	210mm
Leadscrew pitch	4T.P.I.
Max. section of tool	20x20mm
Longitudinal feeds range	0.05-1.7mm/rev (0.002"-0.067"/rev)
Cross feeds range	0.025-0.85mm (0.001"-0.0335"/rev)
Metric threads range	39 kinds 0.2-14mm
Inch threads range	45 kinds 2-72 T.P.I
Diametrical pitches range	21 kinds 8-44D.P.
Module pitches range	18 kinds 0.3-3.5M.P.
Tailstock quill diameter	50mm
Tailstock quill travel	120mm
Tailstock quill taper	MT4
Main motor power	2.2/3.3kw (optional 3.0/4.5kw)
Coolant pump power	90w
Overall dimension	1940/2440 x 850 x 1300mm
Packing size	2060/2560 x 900 x 1640mm
N.W/G.W	1500/1750kgs 1550/1800kgs

HEAVY DUTY BENCH LATHE

OWM Q6240F/1000

FEATURES

1. High frequency hardened bed ways
2. Precision spindle bearing
3. Strong power motor
4. Various thread cutting range

OPTIONAL ACCESSORIES

1. Machine stand
2. 3 jaw chuck 200mm
3. 4 jaw chuck 200mm
4. Face plate
5. Follow rest
6. Steady rest
7. Working light
8. Coolant system
9. Foot brake
10. Dead center
11. Chasing dial indicator
12. Splash guard



SPECIFICATION	OWM Q6240Fx1000
Max. swing over bed	400mm
Max. swing over cross slide	264mm
Max. swing over gap	550mm
Distance between centers	1000mm
Bed width	206mm
Spindel bore and nose	φ51mm/D5
Spindle taper	MT6
Speeds number	16 steps
Speeds range	45-1800rpm
Max. section of tool	16x16mm
Threads inch pitches	4-56TPI / 28 kinds (Metric lathe), 4-112TPI / 40 kinds (Inch lathe)
Threads metric pitches	0.4-7mm / 28 kinds (Metric lathe), 0.45-7.5mm / 22 kinds (Inch lathe)
Longitudinal feeds	0.043-0.653mm/rev (Metric lathe), 0.0012-0.0297in/rev (Inch lathe)
Tailstock quill taper and travel	MT4/100mm
Tailstock quill dia.	45mm
Main motor power	1.5/2.4kw
Cross slide travel	150mm
Compound rest travel	90mm
N.W/G.W	700/800kgs
Packing size	1950x750x1500mm

HEAVY DUTY BENCH LATHE

OWM 0636B/1000

OPTIONAL ACCESSORIES

1. Digital Readout
(2 axis/3 axis)
2. Quick change tool
post
3. Taper turning
attachment
4. Lathe tools
5. Face plate
6. Live center
7. Leadscrew guard
8. Chuct guard
9. CE standard



SPECIFICATION	OWM 0636A / OWM 0636Bx1000mm
Max. swing over bed	φ360mm
Max. swing over cross slide	φ212mm
Max. swing over gap	φ491mm
Distance between centers	1000mm
Bed width	187mm
Spindle bore and nose	A: φ38mm / D1-4 camlock B: φ52mm / D1-5 camlock
Spindle taper	A:MT5 B:MT6
Speeds number	8
Speeds range	A:70-2000rpm B:90-2000rpm
Leadscrew thread	8 TPI or 3mm pitch
Max. section of tool	16x16mm
Thread imperial pitches	36Nos. 8-112TPI
Thread metric pitches	28 Nos. 0.2-5mm pitch or (26 Nos. 0.4-7mm)
Longitudinal feeds imperial	36 Nos. 0.0019-0.0273"/Rev or (32 Nos. 0.002-0.548"/Rev)
Longitudinal feeds metric	36 Nos. 0.050-0.696"/Rev or (32 Nos 0.052-0.392"/Rev)
Cross feeds imperial	36 Nos.0.0006-0.0094"/Rev or (32 Nos. 0.007-0.0187"/Rev)
Cross feeds metric	36 Nos. 0.013-0.188"/Rev or (32 Not 0.014-0.380"/Rev)
Tailstock quill taper and travel	A:MT3/100mm B:MT4/100mm
Main motor	1.5kw/3PH or 2.2kw/1PH
Cross slide travel	118mm
Compound rest travel	68mm
N.W/G.W	650/700kg
Packing size	1940x750x1510mm

HEAVY DUTY BENCH LATHE

OWM Q6230



STANDARD ACCESSORIES

1. 3 jaw chuck 160mm
2. 4 jaw chuck 200mm
3. Steady rest
4. Follow rest
5. Dead centers
6. Splash guard
7. Change gears set
8. Oil gun
9. Machine stand
10. Tool Box and tools

OPTIONAL ACCESSORIES

1. Working light
2. Foot brake
3. Coolant system
4. Digital readout (2 axis/3 axis)
5. Quick change tool post & holders
6. Lathe tools
7. Face plate
8. Live center
9. Leadscrew guard
10. Chuck guard
11. CE standard

SPECIFICATION	OWM Q6230	OWM Q6232
Max. swing over bed	310mm	330mm
Max. swing over cross slide	180mm	198mm
Max. swing over gap	450mm	470mm
Width of bed	181mm	
Distance between centers	750/910/1000mm	
Spindle bore	38mm	
Spindle taper	MT5	
Spindle speed range	65-1810Rpm	
Longitudinal feed range	0.0527-1.2912mm/rev	0.003"-0.0508"/rev
Cross feed range	0.011-0.276mm/rev	0.007"-0.0108"/rev
Metric thread range	0.4-7mm	
Inch thread range	4-60 T.P.I	
Travel of tailstock quill	100mm	
Taper of tailstock quill	MT3	
Motor power	1.5kw	
G.W	550/590/670kgs	
N.W	500/540/640kgs	
Packing size	1480/1680/1970x750x1400mm	

HEAVY DUTY BENCH LATHE

OWM JM320A

STANDARD ACCESSORIES

1. 3-jaw chuck 160mm
2. Dead centers MT3
3. Change gears set
4. Splash guard
5. Oil gun
6. Toolbox and tools

OPTIONAL ACCESSORIES

1. Machine stand
2. 4-jaw chuck 200mm
3. Face plate
4. Steady and follow rest
5. Foot brake system
6. Coolant system
7. Working light
8. Operating rod
9. Chasing dial indicator
10. Leadscrew cover
11. Toolpost cover
12. Chuck guard
13. Quick change tool post
14. Carbide tool
15. Indexable tool
16. Live center



SPECIFICATION	OWM JM320A-600/750mm
Max. swing over bed	330mm
Max. swing over cross slide	220mm
Max. length of work piece	600mm / 750mm
Width of bed	160mm
Spindle taper and bore	MT5 / 38mm
Max. lateral stroke over tool post	160mm
Metric pitches range	0.5-4 mm
Inch pitches range	9-40 T.P.I
Longitudinal-feed range	0.135-1.80mm/r
Max. travel of tailstock sleeve	70mm
Tailstock sleeve taper	MT3
Spindle speeds range	60-1650r/min(50hz)
Motor power	1.1kw
N.W/G.W (without stand)	280/300kgs 320/340kgs
Packing size (without stand)	1330x760x720/1550x760x720mm
Packing size	1330x760x1370/1550x760x1370mm

HEAVY DUTY BENCH LATHE

ORION
DRILLING - TAPPING - MILLING

OWM JM280 / OWM JM250

STANDARD ACCESSORIES

1. 3-jaw chuck 125mm
2. V-Belt
3. Dead centers
4. Splash guard
5. Toolbox and tools

OPTIONAL ACCESSORIES

1. 4-jaw chuck
2. Face plate
3. Steady rest
4. Follow rest
5. Machine stand
6. Lathe tools
7. Live center
8. Toolpost cover
9. 2-axis ORO
10. Chuck guard
11. Leadscrew guard
12. Change gears set



SPECIFICATION	OWM JM250	OWM JM280
Max. swing over the bed	250mm	280mm
Max. length of work piece	500mm	500mm 750mm
Max. swing over cross slide	150mm	160mm
Max. cross slide travel	130mm	140mm
Max. longitudinal travel over tool post	60mm	75mm
Spindle bore	26mm	38mm
Spindle taper	MT4	MT5
Spindle speed range	12 steps:80-1600 r/min	8 STEPS: 90-1800 r/min
Metric thread kinds	9	18
Metric pitches range	0.25-2.5mm	0.2-3.5mm
Inch thread kinds range	15	34
Inch pitch range	12-96TPI	41/2-48 1/n"
Longitudinal-feed range	0.025-0.250mm/r	0.08-0.56 mm/r
Cross-feed range	0.0125-0.125mm/r	0.04-0.28 mm/r
Tailstock quill travel	60mm	60mm
Tailstock quill taper	MT3	MT3
Motor power	750W	750W
N.W/G.W (without stands)	180/200Kgs	200/220Kgs, 230/250Kgs
Packing size (without stands): (L x W x H)	1160x640x580mm	1450x650x1200mm 1200x650x1200mm

HEAVY DUTY BENCH LATHE

OWM 290V / OWM 280V



SPECIFICATION	OWM 280 (V)	OWM 290 (V)	OWM 300 (V)
Max. swing over bed	φ280mm	φ290mm	φ 300mm
Distance between centers	700mm	700mm	700mm
Max.swing over cross slide	125mm	180mm	190mm
Width of bed	180mm	182mm	182mm
Spindle bore	26mm	38mm	38mm
Spindle taper	MT4	MT5	MT5
Spindle speed range 6 steps	50-2500rpm	80-2000rpm	80-2000rpm
Spindle speed range (variable speed)	150 300 600 500 1000 2000rpm	150 300 600 500 1000 2000rpm	150 300 600 500 1000 2000rpm
Metric threads range	0.2-4mm	0.2-3.5mm	0.2-3.5mm
Inch threads range	8-56TPI	8-56TP1	8-48TP1
Top slide travel	70mm	70mm	70mm
Cross slide travel	140mm	160mm	170mm
Tailstock quill travel	70mm	70mm	70mm
Tailstock quill taper	MT2	MT3	MT3
Motor power	850/1100w	850/1100w	1100/1500w
N.W/G.W	200/230kgs	250/270kgs	260/280kgs
Packing size (LxWxH)	1450X700X680mm	1450X700X680mm	1500x720x680mm

HEAVY DUTY BENCH LATHE

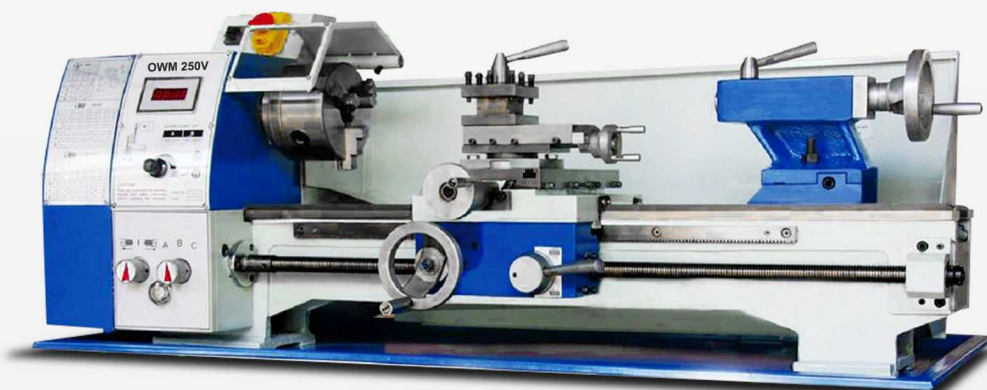
OWM 180V / OWM 250V

STANDARD ACCESSORIES

1. Speed display
2. 3-jaw chuck
100mm(D180V, O210V)
125mm(D250V)
3. Splash guard
4. Chip tray
5. Chuck protection
6. Toolpost cover
7. Toolpost spanner
8. Dead center
9. Change gears
10. Tool box with tools

OPTIONAL ACCESSORIES

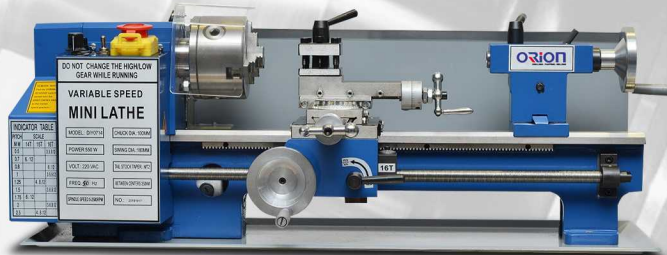
- 1 Steady rest
2. Follow rest
3. Face plate
4. Machine stand
5. 4-jaw chuck
6. Live center
7. Halogen lamp
8. Thread chasing dial



SPECIFICATION	OWM 180V	OWM 210V	OWM 250V
Max. swing over bed	180mm	210mm	250mm
Max. swing over cross slide	110mm	110mm	150mm
Max. compound slide travel	55mm	55mm	70mm
Max. carriage slide travel	75mm	75mm	135mm
Max. carriage travel	195mm	276mm	450/650mm
Distance between centers	300mm	400mm	550/750mm
Width of bed	100mm	100mm	135mm
Spindle bore	21mm	21mm	26mm
Spindle taper	MT3	MT3	MT4
Spindle speed	Variable : 50-2500rpm	Variable : 50-2500rpm	Variable : 50-2500rpm
Range of metric threads	10 kinds : 0.5-3mm	10 kinds : 0.5-3mm	21 kinds : 0.2-4mm
Range of imperial threads	8 kinds : 8-44T.P.I	8 kinds : 8-44T.P.I	8 kinds : 8-56T.P.I
Max. travel of tailstock quill	60mm	60mm	60mm
Tailstock taper	MT2	MT2	MT2
Motor power	DC motor : 450w or 600w, Optional brushless motor : 550w		750w
N.W/G.W	60/70Kgs	70/77kgs	125/132kgs; 135/142kgs
Machine size (L x W x H)	740x390x370mm	840x390x370mm	1150/1350x480x500mm
Packing size	800x480x450mm	900x480x450mm	1220x560x560mm/1400x560x560mm

HEAVY DUTY BENCH LATHE

OWM IY0714 / OWM IY0816



SPECIFICATION	OWM IY0708 / OWM IY0712 / OWM IY0714	OWM IY0816
Distance between centers	200/300/350mm	400mm
Swing over bed	φ180mm	φ210mm
Taper of spindle bore	MT3	MT5
Spindle bore	φ20mm	φ38mm
Step of spindle speeds	Variable speed	Variable speed
Range of spindle speeds	50-2500rpm	0-2500rpm
Range of inch threads	12-52T.P.I	8-44T.P.I
Range of metric threads	0.5-2.5mm	0.5-3mm
Travel of cross slide	65mm	75mm
Taper of tailstock quill	MT2	MT2
Main Motor	400/550w	600w
Packing size	660/760/810x310x370mm	800x450x450mm
N.W/G.W	35/38/40kgs, 38/42/45kgs	85/95kgs

OWM IY0820 / OWM IY1028



SPECIFICATION	OWM IY0820 (BV20-BL)	OWM IY1018/ OWM IY1028 (BVB25/BVB25L)
Distance between centers	520mm	450/700mm
Swing over bed	φ200mm	φ250mm
Taper of spindle bore	MT3	MT4
Spindle bore	φ20mm	φ27mm
Step of spindle speeds	6 steps	6 steps
Range of spindle speeds	140-1710rpm	115-1620rpm
Range of inch threads	8-32T.P.I	8-56T.P.I
Range of metric threads	0.4 -3mm	0.2 -3.5mm
Travel of cross slide	70mm	140mm
Taper of tailstock quill	MT2	MT3
Main Motor	550w	750w
Packing size	1200x500x550mm	1260/1510x570x580mm
N.W/G.W	105/110kgs	151kg / 171kgs

HEAVY DUTY COMBINED LATHE MILL / DRILL MACHINE

OWM P500/P800

FEATURE

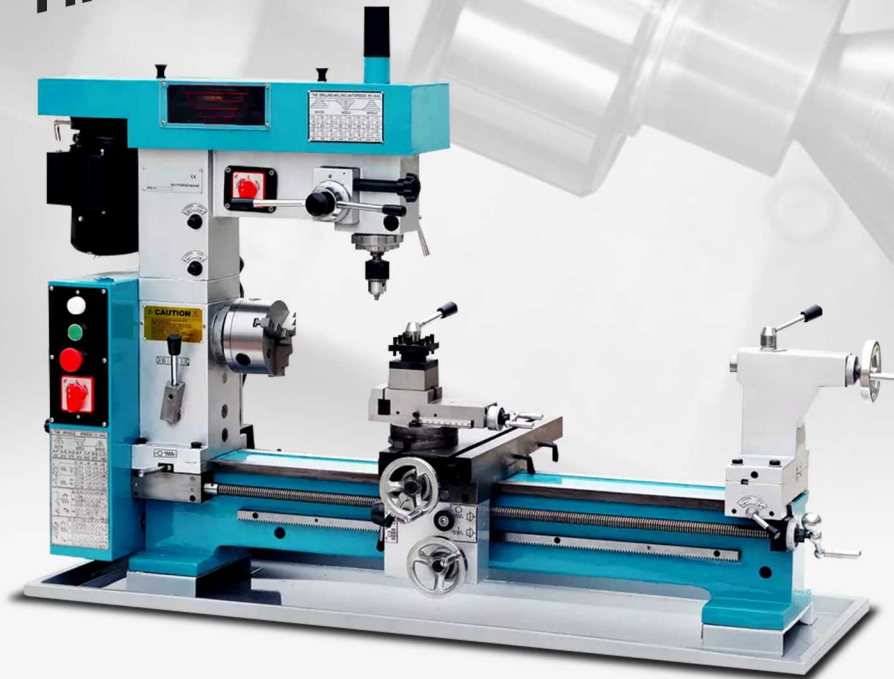
1. Turning, milling, drilling and threading.
2. Metric or imperial thread cutting.
3. Suitable for processing metal, wood and other materials.
4. Excellent advantage of various functions, small occupation and economic.

STANDARD ACCESSORIES

1. 3-jaw chuck 130mm
2. Draw bar
3. Change gears
4. Wedge
5. Wrench

OPTIONAL ACCESSORIES

1. Machine stand
2. Steady rest
3. Follow rest
4. 4-jaw chuck with back plate
5. Lathe tools
6. Drill chuck
7. Milling holder
8. Leadscrew guard
9. Chuck guard
10. CE standard



SPECIFICATION	OWM P500/P800
Max. swing over bed	φ420mm
Max. distance between centers	500mm / 800mm
Max. longitudinal travel	400mm / 740mm
Max. cross travel	200mm
Spindle taper	MT4
Spindle bore	φ28mm
Step of spindle speed	7 steps
Range of spindle speed	160-1360rpm
Barrel travel	70mm
Barrel taper	MT3
Metric thread range	0.2-6mm
Inch thread range	4-120T.P.I
Longitudinal range of automatic feeding	0.05-0.35mm / 0.002-0.014"
Cross range of automatic feeding	0.05-0.35mm / 0.002-0.014"
Max. drilling capacity	φ22mm
Worktable size(L x W)	475x160mm
Max. end mill	φ28mm
Max. face mill	φ80mm
Distance between spindle center and column	285mm
Distance between spindle and worktable	306mm
Headstock travel of up and down	110mm
Spindle taper	MT3
Step of spindle speed	16 steps
Range of spindle speed	120-3000rpm
Swivel degree of headstock	±360°
Motor power	0.75kw
Packing size	1130/1430x580x1100mm
N.W/G.W	245/280kgs 275/325Kgs

HEAVY DUTY COMBINED LATHE MILL / DRILL MACHINE

OWM PV250 / OWM PV290

OPTIONAL ACCESSORIES

1. 3-jaw chuck(125/125/160mm)
2. Speed display
3. Splash guard
4. Chip tray
5. Chuck guard
6. Dead center
7. Change gears
8. Draw bar
9. Morse taper
10. Drill chuck
11. Tool box with tools



SPECIFICATION	OWM PV250	OWM PV280	OWM PV290
Max. swing over bed	250mm	280mm	290mm
Max. swing over cross slide	150mm	170mm	165mm
Distance between centers	550/750mm	700mm	700mm
Spindle taper	MT4	MT4	MT5
Width of bed	135mm	180mm	180mm
Spindle bore	26mm	26mm	38mm
Range of spindle speed (variable speed)	50-2500mm	50-2500rpm	80-2000rpm
Range of cross feed	0.07 -0.20mm/rev	0.07-0.40mm/rev	0.01 -0.10mm /rev
Range of longitudinal feed	0.085-0.0832mm/rev	0.085-0.832mm/rev	0.085-0.832mm/rev
Range of inch threads	8-56T.P.I	8-56T.P.I	8-56T.P.I
Range of metric threads	0.2-3.5mm	0.2-3.5mm	0.2 -3.5mm
Top slide travel	70mm	65mm	70mm
Cross slide travel	115mm	180mm	160mm
Tailstock quill travel	60mm	75mm	70mm
Taper of tailstock quill	MT2	MT2	MT3
Motor power	0.75/kw	1.1kw	1.5kw
Drilling and Milling Head	OWM ZAY7016V	OWM ZAY7020V	OWM ZAY7020V
Spindle taper	MT2	MT2	MT2
Spindle travel	52mm	52mm	52mm
Range of spindle speeds (variable speed)	50-2250rpm	50-2250rpm	50-2250rpm
Max. distance from spindle nose to table	280mm	280mm	380mm
Max. distance from spindle to column	175mm	175mm	190mm
Motor power	600w	600w	750w
Packing size (for machine)	1200/1400x580x860mm	137x850x1050mm	1450x700x1040mm
Packing size (for stand)	760x530x415mm	800x580x415mm	800x580x415mm
N.W	195kgs	248kgs	325kgs

HEAVY DUTY BENCH LATHE

OHS Q6125x550 / OHS Q6128x660

FEATURES

1. The track is quenched by supersonic frequency, which has good wear resistance and stable precision.
2. The spindle is mounted on two precision tapered roller bearings.
3. The diameter of main shaft through hole is 26 mm, and the maximum speed is 2000 rpm.
4. Belt speed change is adopted to reduce the noise of spindle speed at all levels.

OPTIONAL ACCESSORIES

1. Chuck protection
2. Tool post protection
3. Lead screw protection
4. Centre rest and Follow rest
5. Halogen working lamp
6. American style quick change tool rest
7. Stand



Model	OHS Q6125x550	OHS Q6128x660
Max. Swing Over Bed	254 mm	280 mm
Max. Swing Over Cross Slide	156 mm	182 mm
Max. Length of Workpieces	550 mm	660 mm
Taper of spindle bore	M.T.No.4	M.T.No.4
Hole through spindle	26 mm	26 mm
Range of spindle speeds	125-2000 rpm(50Hz) 150-2400 rpm(50Hz)	125-2000 rpm(50Hz) 150-2400 rpm(50Hz)
Longitudinal feed per revolution of spindle	0.063-0.35 mm/rev	0.063-0.35 mm/rev
Range of inch threads to be cut	8-72T,P,L(32kinds)	8-72T,P,L(32kinds)
Range of metric threads to be cut	0.25-3.5 mm(18kinds)	0.25-3.5 mm(18kinds)
Maximum tool size	12x12 mm	12x12 mm
Dia. of tailstock sleeve	32 mm	32 mm
Taper of tailstock sleeve	M.T.No.2	M.T.No.2 or No.3
Max.travel of tailstock sleeve	65 mm	65 mm
Motor power	0.75 kw(1HP)	0.75 kw(1HP)
Motor frequency	50Hz or 60Hz	50Hz or 60Hz
Net weight	150 kg	150 kg
Packing size	140x57x56.5 cm	140x57x63 cm
Gross weight	200 kgs	200 kgs



HEAVY DUTY BENCH LATHE

OHS Q6125Vx550 / OHS Q6128Vx660

FEATURES

1. The track is quenched by supersonic frequency, which has good wear resistance and stable precision.
2. The spindle is mounted on two precision tapered roller bearings.
3. The diameter of main shaft through hole is 26 mm, and the maximum speed is 2000 rpm.
4. Belt speed change is adopted to reduce the noise of spindle speed at all levels.



OPTIONAL ACCESSORIES

1. Chuck protection
2. Tool post protection
3. Lead screw protection
4. Centre rest and Follow rest
5. Halogen working lamp
6. American style quick change tool rest
7. Stand

Model	OHS Q6125Vx550	OHS Q6128Vx660
Max. Swing Over Bed	254 mm	280 mm
Max. Swing Over Cross Slide	156 mm	182 mm
Max. Length of Workpieces	550 mm	660 mm
Taper of spindle bore	M.T.No.4	M.T.No.4
Hole through spindle	26 mm	26 mm
Range of spindle speeds	100-8000 rpm 160-1300 rpm 250-200 rpm	100-8000 rpm 160-1300 rpm 250-200 rpm
Longitudinal feed per revolution of spindle	0.063-0.35 mm/rev	0.063-0.35 mm/rev
Range of inch threads to be cut	8-72T,P,L(32kinds)	8-72T,P,L(32kinds)
Range of metric threads to be cut	0.25-3.5 mm(18kinds)	0.25-3.5 mm(18kinds)
Maximum tool size	12x12 mm	12x12 mm
Dia. of tailstock sleeve	32 mm	32 mm
Taper of tailstock sleeve	M.T.No.2	M.T.No.2 or No.3
Max.travel of tailstock sleeve	65 mm	65 mm
Motor power	0.75 kw(1HP)	0.75 kw(1HP)
Motor frequency	5Hz-100Hz	5Hz-100Hz
Net weight	170 kg	190 kg
Packing size	140x57x56.5 cm	140x57x63 cm
Gross weight	220 kgs	240 kgs

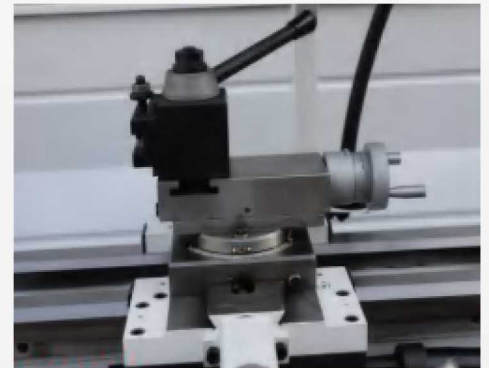


HEAVY DUTY BENCH LATHE

OHS Q290Vx750 / OHS Q320Vx900

OPTIONAL ACCESSORIES

1. Chuck protection
2. Tool post protection
3. Lead screw protection
4. Centre rest and Follow rest
5. Halogen working lamp
6. American style quick change tool rest
7. Two-axis DRO (CQ320Vx900)
8. Stand



Model	OHS Q290Vx750	OHS Q320Vx900
Max. Swing Over Bed	290 mm	320 mm
Max. Swing Over Cross Slide	185 mm	200 mm
Max. Length of Workpieces	750 mm	900 mm
Taper of spindle bore	M.T.No.5	M.T.No.5
Hole through spindle	38 mm	38 mm
Range of spindle speeds	75-500 rpm 300-2000 rpm	75-500 rpm 300-2000 rpm
Longitudinal feed per revolution of spindle	0.017-0.25 mm/rev	0.017-0.25 mm/rev
Transverse feed per revolution of spindle	0.07-0.52 mm/rev	0.07-0.52 mm/rev
Range of inch threads to be cut	8-56T,P,L(21kinds)	8-56T,P,L(21 kinds)
Range of metric threads to be cut	0.20-3.5 mm(18kinds)	0.20-3.5 mm(18 kinds)
Maximum tool size	16x16 mm	16x16 mm
Dia. of tailstock sleeve	32 mm	32 mm
Taper of tailstock sleeve	M.T.No.3	M.T.No.3
Max.travel of tailstock sleeve	80 mm	80 mm
Motor power	1.1 kw(1.5HP)	1.1 kw(1.5HP)
Motor frequency	5Hz - 100Hz	5Hz - 100Hz
Net weight	210 kg	260 kg
Packing size	1450x750x700 mm	1600x750x700 mm
Gross weight	250 kgs	310 kgs

HEAVY DUTY BENCH LATHE

OHS Q6132GVx900

OPTIONAL ACCESSORIES

1. Two-axis DRO
2. Chuck protection
3. Tool post protection
4. Lead screw protection
5. Centre rest and Follow rest
6. Halogen working lamp
7. American style quick change tool rest
8. Deluxe stand with drawers



Model	OHS Q6132GVx900
Max. Swing Over Bed	320 mm
Max. Swing Over Cross Slide	200 mm
Max. Length of Workpieces	900 mm
Taper of spindle bore	M.T.No.5
Hole through spindle	38 mm
Range of spindle speeds	75-435 rpm 400-2250 rpm
Longitudinal feed per revolution of spindle	0.017-0.25 mm/rev
Transverse feed per revolution of spindle	0.07-0.52 mm/rev
Range of inch threads to be cut	8-56T,P,L(21kinds)
Range of metric threads to be cut	0.20-3.5 mm(18kinds)
Maximum tool size	16x16 mm
Dia. of tailstock sleeve	32 mm
Taper of tailstock sleeve	M.T.No.3
Max.travel of tailstock sleeve	80 mm
Motor power	1.5 kw
Motor frequency	5Hz - 100Hz
Net weight	300 kg
Packing size	1600x750x700 mm
Gross weight	350 kgs

HEAVY DUTY BENCH LATHE

OHS 06230A

FEATURES

1. Precision ground and hardened bed ways
2. The spindle is supported with precision roller bearings
3. Head stock gears are made of high quality steel ground and hardened
4. Easy operating speed change levers
5. Removable gap is provided for larger diameter work
6. Easy operating gear box has various feed and thread cutting function
7. With or without foot stand for optional
8. Right angle appearance or circular



STANDARD ACCESSORIES

1. Reduction sleeves
2. Centers
3. Three jaw chuck
4. Four jaw chuck
5. Steady rest
6. Follow rest
7. Changing gears
8. Tool box and tools 1 set
9. Face plate

STANDARD ACCESSORIES

1. Live center
2. Foot brake
3. Bed base
4. Coolant
5. Work light

Specification	OHS 06230A	OHS 06230A
Swing over bed		300mm
Swing over cross slide		178mm
Length of work piece		914mm
Length of turning		760mm
Spindle bore		38mm
Taper of spindle bore		M.T.No.5
Range of spindle speed(9steps)	60-1500r/min	60-2000r/min
Quill Taper		M.T.No.3
Range of metric threads to be cut(29kinds)		0.4-7mm
Range of inch threads to be cut(40kinds)		4-56T.P.I
Pitches of three feed lead screws		3mm (8T.P.L)
Longitudinal feed per revolution of spindle(40kinds)		0.052-1.392
Cross feed per revolution of spindle(40kinds)		0.014-0.38
Max. Longitudinal travel of saddle		800mm
Max. travel of cross slide		160mm
Max. travel of top slide		85mm
Quill travel		95mm
Main motor power		1.1kW (1.5HP)
Motor frequency		60Hz or 50 Hz
Overall dimensions(LxWxH)		160x73x127cm
Net weight		460kg
Packing dimensions(LxWxH)		168x75x142cm

HEAVY DUTY BENCH LATHE

OHS 0632A-TOP / OHS 0636A-TOP

FEATURES

1. Precision ground and hardened bed ways
2. The spindle is supported with precision roller bearings
3. Head stock gears are made of high quality steel ground and hardened
4. Easy operating speed change levers
5. Removable gap is provided for larger diameter work
6. Easy operating gear box has various feed and thread cutting function
7. With or without foot stand for optional



STANDARD ACCESSORIES

1. Reduction sleeves
2. Centers
3. Three jaw chuck
4. Four jaw chuck
5. Steady rest
6. Follow rest
7. Changing gears
8. Tool box and tools 1 set
9. Face plate

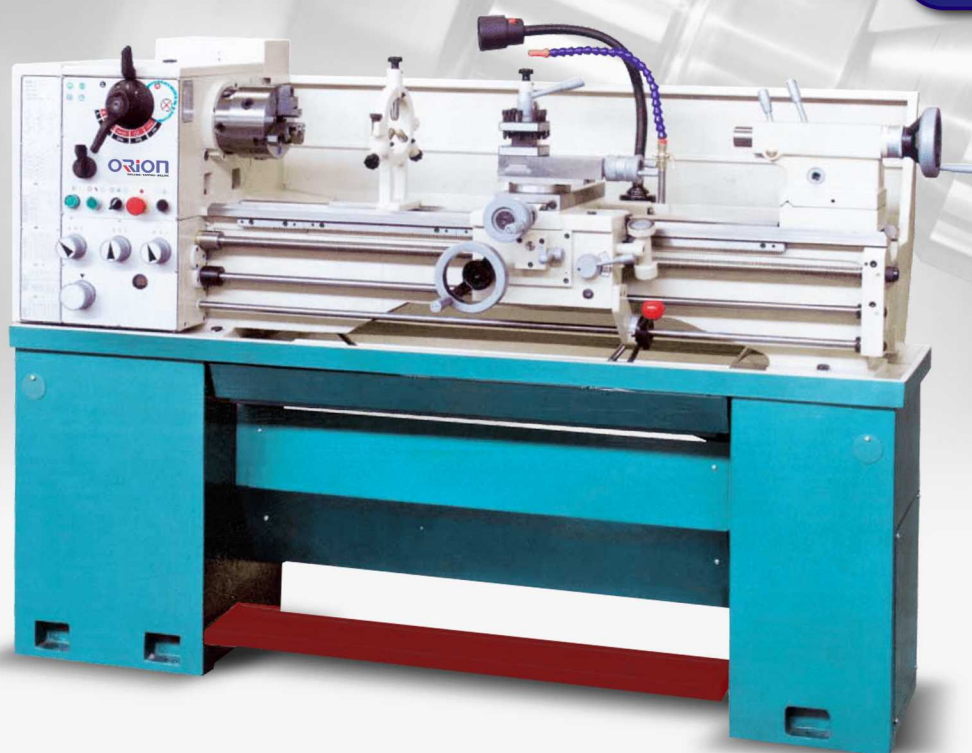
SPECIAL ACCESSORIES

1. Live center
2. Foot brake
3. Bed base
4. Coolant
5. Work light

MODEL	OHS 0632A	OHS 0636A
Swing over bed	330mm	360mm
Swing over cross slide	198mm	224mm
Center height	166mm	179mm
Admits between	1000mm	1000mm
Bed width	187mm	187mm
Bed length	1655mm	1655mm
Bed height	290mm	290mm
Spindle bore	38mm	38mm
Spindle nose	D1-4"	D1-4"
Taper in nose	M.T.No.5	M.T.No.5
Speeds number	8	8
Range of spindle speed	70-2000r/min	70-2000r/min
Cross slide width	130mm	130mm
Cross slide travel	170mm	170mm
Compound rest width	80mm	80mm
Compound rest travel	95mm	95mm
Lead screw diameter	22mm	22mm
Lead screw thread	8T.P.L. or 3mm	8T.P.L. or 3mm
Feed rod diameter	19mm	19mm
Cutting tool max section	16mm×16mm	16mm×16mm
Threads imperial pitches	34 Nos.4-56 T.P.I	34 Nos.4-56 T.P.I
Threads metric pitches	26 Nos.0.4-7 M.P	26 Nos.0.4-7 M.P
Longitudinal feeds imperial	32 Nos.0.002-0.548" /Rev	32 Nos.0.002-0.548" /Rev
Longitudinal feeds metric	32 Nos.0.052-0.392mm/Rev	32 Nos.0.052-0.392mm/Rev
Cross feeds imperial	32 Nos.0.007-0.187" /Rev	32 Nos.0.007-0.187" /Rev
Cross feeds metric	32 Nos.0.014-0.380mm/Rev	32 Nos.0.014-0.380mm/Rev
Quill diameter	32mm	32mm
Quill travel	100mm	100mm
Quill taper	M.T.No.3	M.T.No.3
Main motor	1.5kW(2HP)	1.5kW(2HP)

HEAVY DUTY BENCH LATHE

OHS 0632D / OHS 0636D



FEATURES

1. No change gear in tool box.
2. The thread category complete, not only cutting metric thread and imperial thread, but also cutting diametral thread and module thread.

STANDARD ACCESSORIES

1. Reduction sleeves
2. Centers
3. Three jaw chuck
4. Four jaw chuck
5. Steady rest
6. Follow rest
7. Changing gears
8. Tool box and tools 1 set
9. Face plate

SPECIAL ACCESSORIES

1. Live center
2. Foot brake
3. Bed base
4. Coolant
5. Work light

Model	OHS 0632D	OHS 0636D
Swing over bed	330mm	360mm
Swing over cross slide	198mm	224mm
Center height	166mm	179mm
Admits between	1000mm	
Spindle bore	38 or 40mm	
Spindle nose	D1-4 or D1-5	
Taper in nose	No.5 morse	
Speeds number	8	
Speeds range	70-2000r/min	
Cross slide travel	170mm	
Compound rest travel	95mm	
Lead screw thread	8T.P.I. or 3mm pitch	
Feed rod diameter	19mm	
Cutting tool max section	16mm x 16mm	
Threads imperial pitches	42 Nos. 4-112 T.P.I	
Threads metric pitches	44 Nos. 0.1-7mm	
Threads diametral pitches	25 Nos. 16-112DP	
Threads module pitches	34 Nos. 0.1-1.75MP	
Longitudinal feeds imperial	24 Nos. 0.00168-0.1175 "/rev	
Longitudinal feeds metric	24 Nos. 0.046-3.249 mm/rev	
Cross feeds imperial	32 Nos. 0.00046-0.03231 "/rev	
Cross feeds metric	24 Nos. 0.01-0.703 mm/rev	
Quill diameter	32mm or 42mm	
Quill travel	100mm	
Quill taper	No.3 morse	
Main motor power	1.5kW (2HP)	
Coolant pump power	40W (1/16HP)	
Packing size	193 x 76 x 153 cm	
NG / GW	540 / 645 kg	

HEAVY DUTY BENCH LATHE

OHS 0636N

STANDARD ACCESSORIES

1. Reduction sleeves
2. Centers
3. Three jaw chuck
4. Four jaw chuck
5. Steady rest
6. Follow rest
7. Changing gears
8. Tool box and tools 1 set
9. Face plate

SPECIAL ACCESSORIES

1. Live center
2. Foot brake
3. Bed base
4. Coolant
5. Work light



Model	OHS 0636N X 1000
Swing over bed	360mm
Swing over cross slide	223mm
Center height	179mm
Admits between	1000mm
Bed width	187mm
Bed length	1655mm
Bed height	290mm
Spindle bore	52mm
Spindle nose	D1-5
Taper in nose	MT No.6
Speed numbers	8
Range of spindle speed	70-2000r/min
Cross slide width	130mm
Cross slide travel	160mm
Compound rest width	80mm
Compound rest travel	95mm
Lead screw diameter	22mm
Lead screw thread	4-56T.P.I.
Feed rod diameter	19mm
Cutting tool max section	16*16mm
Threads imperial pitches	34 Nos.4-56 T.P.I
Threads metric pitches	26 Nos.0.4-7mm
Longitudinal feeds imperial	32 Nos.0.002-0.0548*/Rev
Cross feeds imperial	32 Nos.0.0007-0.0187*/Rev
Longitudinal feeds metric	32 Nos.0.052-1.392mm/Rev
Cross feeds metric	32 Nos.0.014-0.380mm/Rev
Quill diameter	32mm
Quill travel	100mm
Quill taper	MT No.3
For main motor	1.5kW
Packing size	193 X 76 X 153 cm
N.G / G.W	540 / 645kg

HEAVY DUTY BENCH LATHE

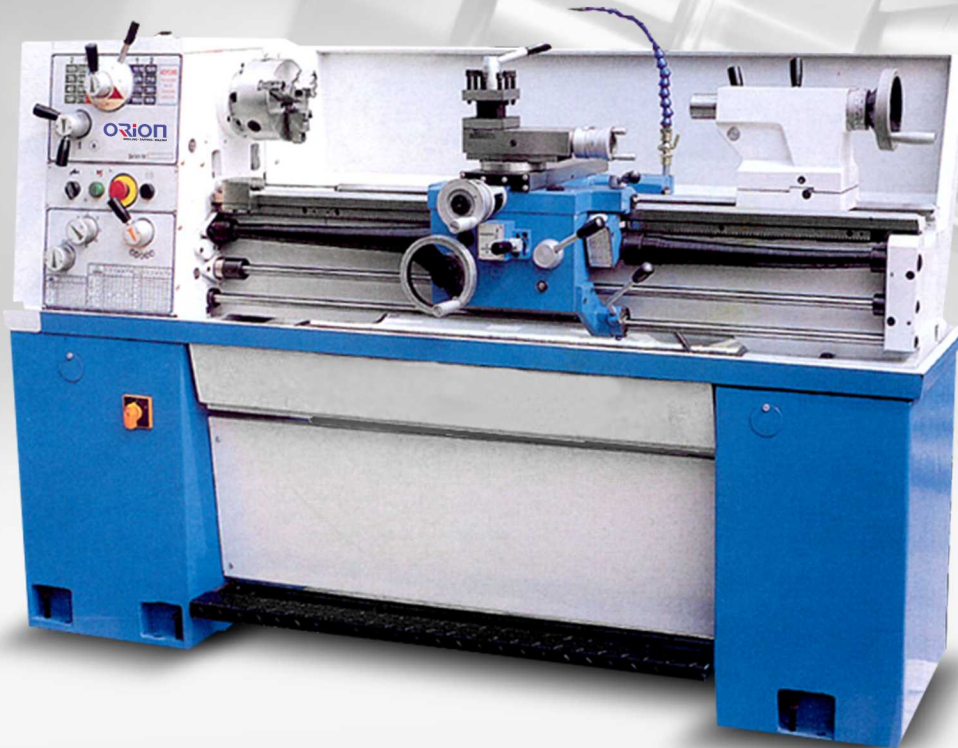
OHS 6236 / OHS 6236V

STANDARD ACCESSORIES

1. Reduction sleeves
2. Centers
3. Three jaw chuck
4. Four jaw chuck
5. Face plate
6. Steady plate
7. Follow rest
8. Changing gears
9. Tool box and tools 1 set
10. Bed base
11. work light

SPECIAL ACCESSORIES

1. Live center



Specification	OHS 6236	OHS 6236V
Capacity		
Swing over bed	356mm	
Swing over cross slide	220mm	
Admits between	1000mm	
Width of bed	206mm	
Headstock		
Spindle nose	D1-4	
Spindle bore	38mm	
Taper of spindle bore	MT No.5	
Range of spindle speed	16 changes 45-1800r/min	30-550r.p.m 155-3000r.p.m
Feed and threads		
Compound rest travel	95mm	
Cross slide travel	180mm	
Max. section of tool	16mm x 16mm	
Lead screw thread	8T.P.I. or 4mm	
Longitudinal feeds range	0.0012"-0.0294"/rev (Inch lathe) or 0.043-0.653mm/rev (Metric lathe)	
Cross feeds range	0.0004"-0.017rev (Inch lathe) or 0.027-0.413mm/rev (Metric lathe)	
Threads metric pitches	0.45-7.5mm (Inch lathe) or 0.4-7mm (Metric lathe)	
Threads inch pitches	4-112T.P.I. (Inch lathe) or 4-56T.P.I. (Metric lathe)	
Tailstock		
Quill diameter	45mm	
Quill travel	120mm	
Quill taper	MT No.3	
Motor		
Main motor power (double speeds)	1.5/2.4kW(2/3HP)	
Coolant pump power	0.04kW	
Dimension and weight		
Overall dimension (L x w x h)	182 x 74 x 125cm	
Packing size (L x w x h)	193 x 76 x 158cm	193 x 92 x 159cm
Net weight	730kg	750kg
Gross weight	860kg	880kg

HEAVY DUTY BENCH LATHE

OHS 6240 / OHS 6240V

STANDARD ACCESSORIES

1. Reduction sleeves
2. Centers
3. Three jaw chuck
4. Four jaw chuck
5. Face plate
6. Steady plate
7. Follow rest
8. Changing gears
9. Tool box and tools 1 set
10. Bed base
11. work light
12. Foot brake
13. Coolant

SPECIAL ACCESSORIES

1. Live center



Specification	OHS 6240	OHS 6240V
Capacity		
Swing over bed	400mm	
Swing over cross slide	266mm	
Admits between	1000mm	
Width of bed	206mm	
Headstock		
Spindle nose	D1-4	
Spindle bore	52mm	
Taper of spindle bore	MT No.6	
Range of spindle speed	16 changes 45-1900r/min	30-550r.p.m 155-3000r.p.m
Feed and threads		
Compound rest travel	95mm	
Cross slide travel	180mm	
Max. section of tool	16mm x 16mm	
Lead screw thread	8T.P.I. or 4mm	
Longitudinal feeds range	0.0012"-0.0294"/rev (Inch lathe) or 0.043-0.653mm/rev (Metric lathe)	
Cross feeds range	0.0004"-0.017rev (Inch lathe) or 0.027-0.413mm/rev (Metric lathe)	
Threads metric pitches	0.45-7.5mm (Inch lathe) or 0.4-7mm (Metric lathe)	
Threads inch pitches	4-112T.P.I. (Inch lathe) or 4-56T.P.I. (Metric lathe)	
Tailstock		
Quill diameter	45mm	
Quill travel	120mm	
Quill taper	MT No.3	
Motor		
Main motor power (double speeds)	1.5/2.4kW(2/3HP)	
Coolant pump power	0.04kW	
Dimension and weight		
Overall dimension (L x w x h)	182 x 74 x 125cm	
Packing size (L x w x h)	193 x 76 x 158cm	193 x 92 x 159cm
Net weight	730kg	750kg
Gross weight	860kg	880kg

HEAVY DUTY ENGINE LATHE

OHS M6241 / OHS 6241V

FEATURES

1. Whole foot stand
2. Feed box construction design patent
3. Appearance design patent

STANDARD ACCESSORIES

1. Reduction sleeves
2. Centers
3. Three jaw chuck
4. Four jaw chuck
5. Face plate
6. Steady plate
7. Follow rest
8. Changing gears
9. Tool box and tools 1 set
10. Bed base
11. work light
12. Foot brake
13. Coolant

SPECIAL ACCESSORIES

1. Live center

Specification	OHS M6241 X 1000/1500	OHS M6241V X 1000/1500
Capacity		
Swing over bed	410mm	
Swing over cross slide	255mm	
Swing in gap diameter	580mm	
Valid length of gap	190mm	
Admits between	1000mm / 1500mm	
Center height	205mm	
Width of bed	250mm	
Headstock		
Spindle nose	D1-6	
Spindle bore	52mm	
Taper of spindle bore	MT No.6	
Range of spindle speed	16 changes 45-1800r/min	30-550r.p.m or 550-3000r.p.m
Feeds and threads		
Compound rest travel	140mm	
Cross slide travel	210mm	
Lead screw thread	4T.P.I	
Max. section of tool	20 x 20mm	
Longitudinal feeds range	0.05-1.7mm/rev (0.002 " -0.067 " /rev)	
Cross feeds range	0.025-0.85mm (0.001 " -0.0335 " /rev)	
Threads metric pitches	39kinds 0.2-14mm	
Threads inch pitches	45kinds 2-72 T.P.I	
Threads diametral pitches	21kinds 8-44D.P.	
Threads module pitches	18kinds 0.3-3.5M.P	
Tailstock		
Quill diameter	50mm	
Quill travel	120mm	
Quill taper	MT No.4	
Cross adjustment	±13mm	
Motor		
Main motor power	2.2/3.3kW(3/4.5HP)3PH	
Coolant pump power	0.1kW(1/8HP),3PH	
Dimension and weight		
Overall dimension (L x w x h)	194 x 85 x 132cm / 244 x 85 x 132cm	
Packing size (L x w x h)	206 x 90 x 164cm / 256 x 90 x 164cm	
Net weight / Gross weight	1160kg / 1350kg 1340kg / 1565kg	



HEAVY DUTY ENGINE LATHE

OHS 6241 / 46 / 46E / 51 / 56 / 56E

FEATURES

1. Whole or segregate foot stand for

STANDARD ACCESSORIES

1. Reduction sleeves
2. Centers
3. Three jaw chuck
4. Four jaw chuck
5. Face plate
6. Steady plate
7. Follow rest
8. Changing gears
9. Tool box and tools 1 set
10. Bed base
11. work light
12. Foot brake
13. Coolant

SPECIAL ACCESSORIES

1. Live center



Specification	OHS 6241	OHS 6246	OHS 6246E	OHS 6251	OHS 6256	OHS 6256E
Swing over bed	410mm	460mm	460mm	510mm	560mm	560mm
Swing over cross slide	220mm	270mm	270mm	305mm	355mm	355mm
Swing in gap diameter	640mm	690mm	690mm	735mm	785mm	785mm
Distance between centers				1000mm		
				1500mm		
				2000mm		
				3000mm		
Valid length of gap	165mm			170mm		
Width of bed	300mm			350mm		
Spindle bore	D1-6		D1-8	D1-8		
Spindle nose	58mm		80mm	80mm		105mm
Taper of spindle bore	No.6 Morse		No.7 Morse	No.7 Morse		φ113
Range of spindle speed	12 changes, 25-2000r/min			12 changes, 25-2000r/min		12 changes, 25-1500r/min
Compound rest travel	128mm			130mm		
Cross slide travel	285mm			316mm		
Max. Section of tool	25x25mm					
Lead screw thread	6mm or 4T.P.I.					
Longitudinal feeds range	42kinds, 0.031-1.7mm/rev			35kinds, 0.059-1.646mm/rev		
Cross feeds range	42kinds, 0.014-0.784mm/rev			42kinds, 0.020-0.573mm/rev		
Threads metric pitches	41 kinds, 0.1-14mm			47 kinds, 0.2-14mm		41 kinds, 0.1-14mm
Threads imperial pitches	60kinds, 2-112T.P.I.					
Threads diametral pitches	50kinds, 4-112DP					
Threads module pitches	34 kinds, 0.1-7MP					
Quill diameter	60mm			75mm		
Quill travel	130mm			180mm		
Quill taper	No.4 Morse			No.5 Morse		
Main motor power	5.5kW (7.5HP)3PH			7.5kW(10HP)3PH		
Coolant pump power	0.1kW (1/8HP) 3PH					
Overall dimension (L x w x H)	220x108x134cm	220x108x137cm	220x108x137cm	239x115x143cm	239x115x146cm	239x115x146cm
	275x108x134cm	275x108x137cm	275x108x137cm	284x115x143cm	284x115x146cm	284x115x146cm
	325x108x134cm	325x108x137cm	325x108x137cm	334x115x143cm	334x115x146cm	334x115x146cm
				434x115x143cm	434x115x146cm	434x115x146cm
Packing size (L x W x H)	225x112x162cm	225x112x162cm	225x112x162cm	245x119x174cm	245x119x174cm	245x119x174cm
	280x112x162cm	280x112x156cm	280x112x156cm	290x119x174cm	290x119x174cm	290x119x174cm
	330x112x162cm	330x112x156cm	330x113x156cm	340x119x174cm	340x119x174cm	340x119x174cm
				440x119x174cm	440x119x174cm	440x119x174cm
Net weight	1580kg	1645kg	1645kg	2070kg	2195kg	2195kg
	1745kg	1810kg	1810kg	2160kg	2285kg	2285kg
				2435kg	2560kg	2560kg
	1900kg	1965kg	1965kg	2805kg	2930kg	2930kg
Gross weight	1844kg	1910kg	1910kg	2460kg	2600kg	2600kg
	2049kg	2115kg	2115kg	2550kg	2690kg	2690kg
	2229kg	2295kg	2295kg	2840kg	2980kg	2980kg
				3270kg	3410kg	3410kg



HEAVY DUTY ENGINE LATHE

OHS 6241V / 46V / 46EV / 51V / 56V / 56EV



FEATURES

1. Whole foot stand
2. Feed box construction design patent
3. Appearance design patent

STANDARD ACCESSORIES

1. Reduction sleeves
2. Centers
3. Three jaw chuck
4. Four jaw chuck
5. Face plate
6. Steady plate
7. Follow rest
8. Changing gears
9. Tool box and tools 1 set
10. Bed base
11. work light
12. Foot brake
13. Coolant

Specification	OHS 6241V	OHS 6246V	OHS 6246EV	OHS 6251V	OHS 6256V	OHS 6256EV
Swing over bed	410mm	460mm	460mm	510mm	560mm	560mm
Swing over cross slide	220mm	270mm	270mm	305mm	355mm	355mm
Swing in gap diameter	640mm	690mm	690mm	735mm	785mm	785mm
Distance between centers		1000mm 1500mm 2000mm			1000mm 1500mm 2000mm 3000mm	
Valid length of gap		165mm			170mm	
Width of bed		300mm			350mm	
Spindle nose		D1-6	D1-8		D1-8	
Spindle bore		58mm	80mm		80mm	105mm
Taper of spindle bore		No.6 Morse	No.7 Morse		No.7 Morse	φ113
Range of spindle speed		30-3000r/min	30-1700r/min		25-1600r/min	30-1500r/min
Compound rest travel		128mm			130mm	
Cross slide travel		285mm			316mm	
Max. Section of tool			25x25mm			
Lead screw thread			6mm or 4 T.P.I.			
Longitudinal feeds range		42kinds, 0.031-1.7mm/rev			35kinds, 0.059-1.646mm/rev	
Cross feeds range		42kinds, 0.014-0.784mm/rev			42kinds, 0.020-0.573mm/rev	
Threads metric pitches		41 kinds, 0.1-14mm			47 kinds, 0.2-14mm	41 kinds, 0.1-14mm
Threads imperial pitches			60 kinds, 2-112 T.P.I			
Threads diametral pitches			50 kinds, 4-112 DP			
Threads module pitches			34 kinds, 0.1-7MP			
Quill diameter		60mm			75mm	
Quill travel		130mm			180mm	
Quill taper		No.4 Morse			No.5 Morse	
Main motor power		7.5kW(10HP)3PH			7.5kW(10HP)3PH	
Coolant pump power			0.1kW (1/8HP) 3PH			
Overall dimension (L x w x H)	220x108x134cm 275x108x134cm 325x108x134cm	220x108x137cm 275x108x137cm 325x108x137cm	220x108x137cm 275x108x137cm 325x108x137cm	239x115x143cm 284x115x143cm 334x115x143cm 434x115x143cm	239x115x146cm 284x115x146cm 334x115x146cm 434x115x146cm	239x115x146cm 284x115x146cm 334x115x146cm 434x115x146cm
Packing size (L x W x H)	225x112x162cm 280x112x162cm 330x112x162cm	225x112x162cm 280x112x156cm 330x112x156cm	225x112x162cm 280x112x156cm 330x112x156cm	245x119x174cm 290x119x174cm 340x119x174cm 440x119x174cm	245x119x174cm 290x119x174cm 340x119x174cm 440x119x174cm	245x119x174cm 290x119x174cm 340x119x174cm 440x119x174cm
Net weight	1580kg 1745kg 1900kg	1645kg 1810kg 1965kg	1645kg 1810kg 1965kg	2070kg 2160kg 2435kg 2805kg	2195kg 2285kg 2560kg 2930kg	2195kg 2285kg 2560kg 2930kg
Gross weight	1844kg 2049kg 2229kg	1910kg 2115kg 2295kg	1910kg 2115kg 2295kg	2460kg 2550kg 2840kg 3270kg	2600kg 2690kg 2980kg 3410kg	2600kg 2690kg 2980kg 3410kg

SPECIAL ACCESSORIES

1. Live center



HEAVY DUTY ENGINE LATHE

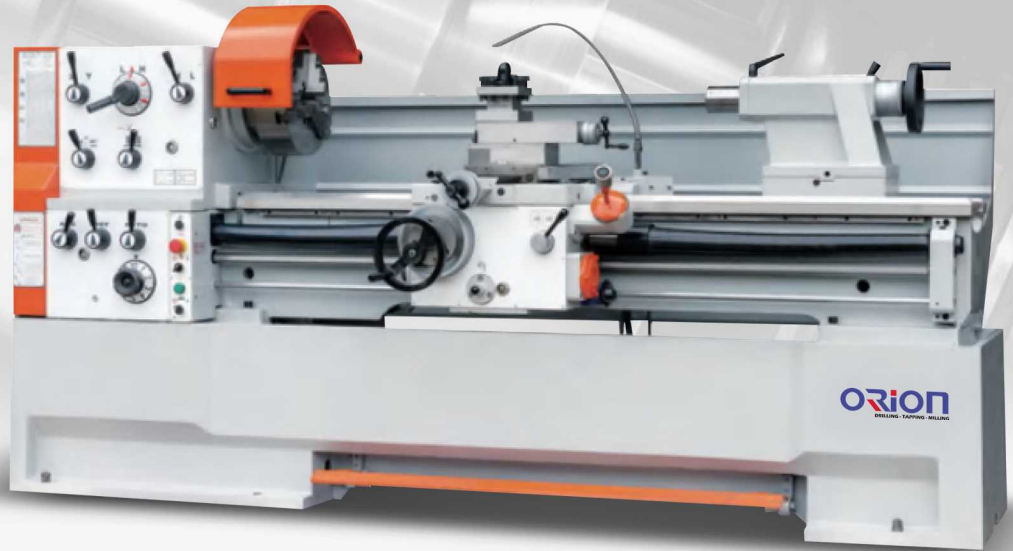
OHS 6246K / 56K

STANDARD ACCESSORIES

1. Reduction sleeves
2. Centers
3. Three jaw chuck
4. Four jaw chuck
5. Face plate
6. Steady plate
7. Follow rest
8. Changing gears
9. Tool box and tools 1 set
10. Bed base
11. work light
12. Foot brake
13. Coolant

SPECIAL ACCESSORIES

1. Live center



Specification	OHS 6246K	OHS 6256K
Swing over bed	460mm	560mm
Swing over cross slide	270mm	355mm
Swing in gap diameter	690mm	785mm
Distance between centers	1000/1500/2000/3000mm	1000/1500/2000/3000mm
Valid length of gap	165mm	170mm
Width of bed	300mm	350mm
Spindle nose	D1-6	D1-8
Spindle bore	58mm	80mm
Taper of spindle bore	No.6 Morse	No.7 Morse
Range of spindle speed	12 changes, 25 ~ 2000r/min	12 changes, 25 ~ 1600r/min
Compound rest travel	128mm	130mm
Cross slide travel	285mm	316mm
Max. section of tool	25×25mm	
Longitudinal feeds range	42 kinds, 0.031 ~ 1.7mm/rev	35 kinds, 0.059 ~ 1.646mm/rev
Cross feeds range	42 kinds, 0.014 ~ 0.784mm/rev	42 kinds, 0.020 ~ 0.573mm/rev
Threads metric pitches	41 kinds, 0.1 ~ 14mm	47 kinds, 0.2 ~ 14mm
Threads imperial pitches	60 kinds, 2 ~ 112T.P.I.	
Threads diametral pitches	50 kinds, 4 ~ 112DP	
Threads module pitches	34 kinds, 0.1 ~ 7MP	
Quill diameter	60mm	75mm
Quill travel	130mm	180mm
Quill taper	No.4 Morse	No.5 Morse
Main motor power	5.5kW 3PH	7.5kW 3PH
Overall dimension(L×W×H)	220×108×137cm	239×115×146cm
	275×108×137cm	284×115×146cm
	325×108×137cm	334×115×146cm
	425×108×137cm	434×115×146cm
	425×108×137cm	434×115×146cm
Packing size(L×W×H)	225×112×162cm	245×112×174cm
	280×112×162cm	290×112×174cm
	330×112×162cm	340×112×174cm
	430×112×162cm	440×112×174cm
	430×112×162cm	440×112×174cm
Net weight	1645/1810/1965kg	2195/2285/2560/2930kg
Gross weight	1910/2115/2295kg	2600/2690/2980/3410kg



HEAVY DUTY ENGINE LATHE

OHS 6266A / OHS Q6280

STANDARD ACCESSORIES

1. Reduction sleeves
2. Centers
3. Three jaw chuck
4. Four jaw chuck
5. Face plate
6. Steady plate
7. Follow rest
8. Changing gears
9. Tool box and tools 1 set
10. Bed base
11. work light
12. Foot brake
13. Coolant

Specification	OHS 6266A	OHS Q6280
Swing over bed	600mm	800mm
Swing over cross slide	440mm	570mm
Swing in gap diameter	900mm	1035mm
Distance between centers	1500mm 2000mm 3000mm	
Valid length of gap	250mm	
Width of bed	400mm	
Spindle nose	D1-8	
Spindle bore	105mm	
Taper of spindle bore	Φ113	
Range of spindle speed	25~1600r/min	
Compound rest travel	230mm	
Cross slide travel	368mm	420mm
Max. Section of tool	25x25mm	
Lead screw thread	12mm or 2T.P.I.	
Longitudinal feeds range	0.044~1.48mm/rev	
Cross feeds range	0.022~0.74mm/rev	
Threads metric pitches	54 kinds, 0.45 ~ 120mm	
Threads imperial pitches	54kinds, 7/16~80 T.P.I.	
Threads diametral pitches	42kinds, 7/8~160DP	
Threads module pitches	46kinds, 0.25~60MP	
Quill diameter	90mm	
Quill travel	235mm	
Quill taper	No.5 Morse	
Main motor power	7.5kW (10HP) 3PH	
Coolant pump power	0.1kW (1/8HP) 3PH	
Overall dimension(L x w x H)	321x123x160cm 371x123x160cm 471x123x160cm	321x123x167cm 371x123x167cm 471x123x167cm
Packing size(L x W x H)	324x114x184cm 374x114x184cm 474x114x184cm	324x114x191cm 374x114x191cm 474x114x191cm
Net weight	3065kg 3345kg 3710kg	3175kg 3455kg 3820kg
Gross weight	3535kg 3835kg 4310kg	3695kg 4005kg 4495kg

SPECIAL ACCESSORIES

1. Live center



HEAVY DUTY ENGINE LATHE

CC SERIES

FEATURES

1. Bed rail grinding, high precision
2. Headstock gear precision grinding low noise
3. Electric system is reliable and safe
4. Foot brake | electro magnetic brake can be amounted when needed, and color at user's option.
5. Carriage optional: left hand, right hand
6. Big slide can be: common, fast forward or tapered structure.
7. Three bars can be Metric or British system
8. Customizable C6160C / C6260C



STANDARD ACCESSORIES

1. 3-jaw chuck
2. Center & Center sleeve
3. Wrenches
4. Bolts
5. Operation manual

SPECIAL ACCESSORIES

1. Steady rest
2. Follower rest
3. 4-jaw chuck
4. Face plate
5. Thread chasing dial
6. Longitudinal automatic trip
7. Live center
8. Quick change toolpost
9. Taper copy ruler

Model	OHS 6½36C	OHS 6½40C	OHS 6½50C
Max swing over bed	360mm	400mm	500mm
Max swing over slide	190mm	230mm	310mm
Workpiece cutting length	750mm, 1000mm, 1500mm, 2000mm, 3000mm		
Max swing over gap	520mm	560mm	660mm
Effective length of gap	160mm		
Bed width	360mm		
Spindle hole	φ52mm / φ82mm		
Spindle nose	ISO-C6 or ISO-C8		
Spindle taper	MT6 / 1:20		
Spindle speeds (number)	42-1600 rpm (12steps)		
Metric threads range (kinds)	0.25-14mm (24kinds)		
Inch threads range (kinds)	2-40 inch (27kinds)		
Module threads range (kinds)	0.25-3.5mm (16kinds)		
Cross slide travel	220mm		
Compound rest travel	120mm		
Cross-section size of tool shank	20 x 20mm		
Taper of tailstock sleeve	MT4 / MT5		
Diameter of tailstock sleeve	65mm / 75mm		
Travel of tailstock sleeve	130mm		
Main motor power	4.0kw or 5.5kw or 7.5kw		
Cooling pump motor	0.125kw		
Rapid motor	0.12kw		
Packing size(LxWxH) (Center distance)	2120x1150x1800mm (750mm) 2420x1150x1800mm (1000mm) 2920x1150x1800mm (1500mm) 3420x1150x1800mm (2000mm) 4420x1150x1800mm (3000mm)		
Net weight / gross weight (Kgs) (Center distance)	1350/1700 1400/1750 1500/1850 (750mm) 1450/1800 1500/1850 1600/1950 (1000mm) 1600/1950 1650/2000 1750/2100 (1500mm) 1700/2100 1800/2200 1900/2300 (2000mm) 2000/2500 2100/2600 2200/2750 (3000mm)		

HEAVY DUTY ENGINE LATHE

CF SERIES

FEATURES



1. Bed rail grinding, high precision
2. Headstock gear precision grinding low noise
3. Electric system is reliable and safe
4. Foot brake I electro magnetic brake can be amounted when needed, and color at user's option.
5. Carriage optional: left hand, right hand
6. Big slide can be: common, fast forward or tapered structure.
7. Three bars can be Metric or British system
8. Customizable C6160C / C6260C

Model	OHS 6½36F	OHS 6½40F	OHS 6½50F
Max swing over bed	360mm	400mm	500mm
Max swing over slide	190mm	230mm	310mm
Workpiece cutting length	750mm, 1000mm, 1500mm, 2000mm, 3000mm		
Max swing over gap	520mm	560mm	660mm
Effective length of gap	160mm	130mm	130mm
Bed width	360mm		
Spindle hole	φ52mm		
Spindle nose	ISO-C6		
Spindle taper	MT6 / 1:20		
Spindle speeds (number)	42-1600 rpm 28-1800 rpm (12steps)		
Metric threads range (kinds)	0.5-14mm (21kinds)		
Inch threads range (kinds)	2.5-72inch (30kinds)		
Module threads range (kinds)	0.25-7mm (17 kinds)		
Diameter threads range (kinds)	5-144D.P.(30kinds)		
Cross slide travel	220mm		
Compound rest travel	120mm		
Cross-section size of tool shank	20 x 20mm		
Taper of tailstock sleeve	MT4 / MT5		
Diameter of tailstock sleeve	65mm / 75mm		
Travel of tailstock sleeve	130mm		
Main motor power	4.0kw or 5.5kw or 7.5kw		
Cooling bump motor	0.125kw		
Rapid motor	0.12kw		
Packing size (LxWxH) (Center distance)	2120x1150x1800mm (750mm) 2420x1150x1800mm (1000mm) 2920x1150x1800mm (1500mm) 3420x1150x1800mm (2000mm) 4420x1150x1800mm (3000mm)		
Net weight / gross weight (Kgs) (Center distance)	1350/1700 1400/1750 1500/1850 (750mm) 1450/1800 1500/1850 1600/1950 (1000mm) 1600/1950 1650/2000 1750/2100 (1500mm) 1700/2100 1800/2200 1900/2300 (2000mm) 2000/2500 2100/2600 2200/2750 (3000mm)		

STANDARD ACCESSORIES

1. 3-jaw chuck
2. Center & Center sleeve
3. Wrenches
4. Bolts
5. Operation manual

SPECIAL ACCESSORIES

1. Steady rest
2. Follower rest
3. 4-jaw chuck
4. Face plate
5. Thread chasing dial
6. Longitudinal automatic trip
7. Live center
8. Live center
9. Taper copy ruler
10. Driving plate

HEAVY DUTY ENGINE LATHE

CDB SERIES

FEATURES

1. Bed rail grinding, high precision
2. CE conformity, electromagnetic brake can be amounted
3. Screw overload torque protection
4. Light bars overload protection
5. Fast feed (special order)
6. Precision ball bearings supporting
7. Customizable OHSD6166B / OHSD6266B & Mechanical clutch



STANDARD ACCESSORIES

1. 3-jaw chuck
2. Center & Center sleeve
3. Wrenches
4. Bolts
5. Operation manual

SPECIAL ACCESSORIES

1. Steady rest
2. Follower rest
3. 4-jaw chuck
4. Face plate
5. Thread chasing dial
6. Longitudinal automatic trip
7. Live center
8. Quick change toolpost
9. Taper copy ruler

Model	OHS D6½40B	OHS D6½50B	OHS D6½60B
Max swing over bed	420mm	500mm	600mm
Max swing over slide	225mm	325mm	360mm
Workpiece cutting length	1000mm, 1500mm, 2000mm, 3000mm		
Max swing over gap	550mm	630mm	730mm
Effective length of gap	260mm		
Bed width	330mm		
Spindle hole	φ62mm		
Spindle nose	ISO-D6		
Spindle taper	Metric 70mm		
Spindle speeds (number)	22-1800 rpm (15 steps)		
Metric threads range (kinds)	0.5-28mm (66 kinds)		
Inch threads range (kinds)	1-56inch (66 kinds)		
Module threads range (kinds)	0.5-3.5mm (17 kinds)		
Diameter threads range (kinds)	8-56D.P. (33 kinds)		
Longitudinal feeds range (kinds)	0.072-4.038mm/rev (0.0027-0.15 inch/rev) (66kinds)		
Cross feeds range (kinds)	0.036-2.019mm/rev (0.0013-0.075 inch/rev) (66kinds)		
Rapid traverse speed	5m/min (16.4 ft/min)		
Leadscrew size: diameter/pitch	35mm/6mm or 35mm 1/4"		
Cross slide travel	300mm		
Compound rest travel	130mm		
Cross-section size of tool shank	25 x 25mm		
Taper of tailstock sleeve	MT5		
Diameter of tailstock sleeve	65mm		
Travel of tailstock sleeve	120mm		
Main motor power	5.5kw or 7.5kw		
Cooling pump motor	0.125kw		
Rapid motor	0.12kw		
Packing size(LxWxH) (Center distance)	2420x1150x1800mm (1000mm) 2920x1150x1800mm (1500mm) 3460x1150x1800mm (2000mm) 4720x1150x1800mm (3000mm)		
Net weight / gross weight (Kgs) (Center distance)	1560/2210 1600/2250 1640/2290 (1000mm) 1770/2410 1830/2470 1870/2530 (1500mm) 2010/2780 2070/2820 2130/2860 (2000mm) 2400/3200 2460/3260 2580/3400 (3000mm)		

HEAVY DUTY ENGINE LATHE

CDC SERIES

FEATURES



1. Large plane structure, good looking.
2. After quenching hard gear, precision grinding.
3. Dynamic balance of spindle parts
4. Various options: Metric system, British system, right hand wheel, multiple voltage, frequency, with or without CE requirement's protection and rapid moving system.
5. Customizable OHSD6166C / OHSCD6266C & Mechanical clutch.

MODEL	OHS D6¼40C	OHS D6¼50C	OHS D6¼60C	OHS D6¼66C
Max swing over bed	420mm	500mm	600mm	660mm
Max swing over slide	225mm	325mm	360mm	425mm
Workpiece cutting length	1000mm, 1500mm, 2000mm, 3000mm			
Max swing over gap	550mm	630mm	730mm	790mm
Effective length of gap	260mm			
Bed width	330mm			
Spindle hole	φ80 / 103mm			
Spindle nose	ISO-D6 / ISO-D11			
Spindle taper	Metric 85 / 115mm			
Spindle speeds (number)	24-1600 / 20-1200 rpm (15 steps)			
Metric threads range (kinds)	0.5-28mm (66 kinds)			
Inch threads range (kinds)	1-56 inch (66 kinds)			
Module threads range (kinds)	0.5-3.5mm (17 kinds)			
Diameter threads range (kinds)	8-56D.P. (33 kinds)			
Longitudinal feeds range (kinds)	0.072-4.038mm/rev (0.0027-0.15 inch/rev) (66kinds)			
Cross feeds range (kinds)	0.036-2.019mm/rev (0.0013-0.075 inch/rev) (66kinds)			
Rapid traverse speed	5m/min (16.4 ft/min)			
Leadscrew size: diameter/pitch	35mm / 6mm or 35mm 1/4"			
Cross slide travel	300mm			
Compound rest travel	130mm			
Cross-section size of tool shank	25 x 25mm			
Taper of tailstock sleeve	MT5			
Diameter of tailstock sleeve	65mm			
Travel of tailstock sleeve	120mm			
Main motor power	5.5kw or 7.5kw			
Cooling bump motor	0.125kw			
Rapid motor	0.12kw			
Packing size(LxWxH) (Center distance)	2420x1150x1800mm (1000mm) 2920x1150x1800mm (1500mm) 3460x1150x1800mm (2000mm) 4720x1150x1800mm (3000mm)			
Net weight / gross weight (Kgs) (Center distance)	1640/2290 1700/2350 1800/2500 1860/2600 (1000mm) 1850/2550 1910/2610 2010/2760 2070/2860 (1500mm) 2090/2860 2150/2920 2250/3070 2310/3170 (2000mm) 2500/3300 2560/3360 2660/3500 2720/3600 (3000mm)			

STANDARD ACCESSORIES

1. 3-jaw chuck
2. Center & Center sleeve
3. Wrenches
4. Bolts
5. Operation manual

SPECIAL ACCESSORIES

1. Steady rest
2. Follower rest
3. 4-jaw chuck
4. Face plate
5. Thread chasing dial
6. Longitudinal automatic trip
7. Live center
8. Quick change toolpost
9. Taper copy ruler
10. Driving plate

HEAVY DUTY ENGINE LATHE

CY SERIES

FEATURES

1. Precision ground
2. Clutched head stock
3. CE-conformity
4. Safety torque Limiting device for lead screw
5. Safety overload clutch for feed rod
6. Rapid traverse (optional)
7. Main spindle supported at 2 points with precision taper roller bearings
8. 3000~4000mm Lathe with follow chip cuard.



STANDARD ACCESSORIES

1. 3-jaw chuck
2. Center & Center sleeve
3. Wrenches
4. Bolts
5. Operation manual

SPECIAL ACCESSORIES

1. Steady rest
2. Follower rest
3. 4-jaw chuck
4. Face plate
5. Thread chasing dial
6. Longitudinal automatic trip
7. Live center
8. Quick change toolpost
9. Taper copy ruler
10. Driving plate

MODEL	OHS 6½60Y	OHS 6½66Y	OHS 6½80Y	OHS 6½100Y
Max swing over bed	600mm	660mm	800mm	1000mm
Max swing over slide	375mm	435mm	545mm	745mm
Workpiece cutting length	1000mm, 1500mm, 2000mm, 3000mm, 4000mm			
Max swing over gap	800mm	860mm	1000mm	1200mm
Effective length of gap	280mm			
Bed width	400mm			
Spindle hole	φ103 / 130mm			
Spindle nose	ISO-D11			
Spindle taper	Metric 115 / 140mm			
Spindle speeds (number)	9-1275 rpm (18 steps) / 9-938 rpm (12 steps)			
Metric threads range (kinds)	0.5-112mm (72 kinds)			
Inch threads range (kinds)	1/4-56 inch (72 kinds)			
Module threads range (kinds)	0.5-7mm (36 kinds)			
Diameter threads range (kinds)	4-56D.P. (36 kinds)			
Longitudinal feeds range (kinds)	0.072-4.066mm/rev (0.0028-0.16 inch/rev) (54kinds)			
Cross feeds range (kinds)	0.036-2.033mm/rev (0.0014-0.08 inch/rev) (54kinds)			
Rapid traverse speed	5m/min (16.4 ft/min)			
Leadscrew size: diameter/pitch	40mm / 12mm or 40mm 1/2"			
Cross slide travel	325mm			
Compound rest travel	110mm			
Cross-section size of tool shank	32 x 32mm			
Taper of tailstock sleeve	MT6			
Diameter of tailstock sleeve	90mm			
Travel of tailstock sleeve	150mm			
Main motor power	7.5kw or 11kw			
Cooling bump motor	0.125kw			
Rapid motor	0.25kw			
Packing size(LxWxH) (Center distance)	2820x1300x2100mm (1000mm) 3320x1300x2100mm (1500mm) 3820x1300x2100mm (2000mm) 4820x1300x2100mm (3000mm) 5820x1300x2100mm (4000mm)			
Net weight / gross weight (Kgs) (Center distance)	2900/3500 3000/3600 3150/3750 3450/4050 (1000mm) 3150/3750 3250/3850 3400/4000 3700/4300 (1500mm) 3400/4050 3500/4150 3650/4300 3950/4600 (2000mm) 3800/4450 3900/4550 4050/4700 4350/5000 (3000mm) 4200/4850 4300/4950 4450/5100 4750/5400 (4000mm)			

HEAVY DUTY LATHE MACHINE

CWE SERIES



This machine tool is a universal lathe, suitable for high-speed steel and hard alloy steel tools to turn external circles, end faces, grooving, cutting, boring, turning and boring of shaft parts, cylindrical and disc-shaped parts of different materials. Inner cone, thread turning and other processes. The machine bed has high rigidity, the slide, the tool rest, and the saddle can move quickly. The machine has the characteristics of strong rigidity, high efficiency, safety and reliability, convenient operation and beautiful appearance.

MODEL	OHS W6¼63E	OHS W6¼80E	OHS W6¼100E	OHS W6¼120E
Max swing over bed	630mm	800mm	1000mm	1200mm
Max swing over cross slide	350mm	485mm	685mm	800mm
Distance between centers	750, 1250, 1750, 2750, 3750mm			
Max swing over gap	830mm (OHS W6263E)	1000mm (OHS W6280E)	1200mm (OHS W62100E)	1400mm (OHS W62120E)
Valid length of gap	230mm			
Bed width	550mm			
Spindle hole	Φ105mm (Φ130mm, CW6180E)			
Spindle nose	C-11 or D-11			
Spindle taper	1:20 Φ 120mm 1:20 (Φ140 CW6180)			
Spindle speeds (Number)	14-750RPM (18 STEPS)			
Metric threads range (kinds)	1-240mm (54kinds)			
Inch threads range (kinds)	28-1 inch (36kinds)			
Module threads range (kinds)	0.5-60DP (27kinds)			
Diametral threads range (kinds)	30-1 t.p.i (27kinds)			
Longitudinal feeds range (kinds)	0.048-24.3mm/r(72kinds)			
Cross feed range (kinds)	0.024-12.15mm/r(72kinds)			
Rapid feed: long/cross	4/2m/min			
Leadscrew size: Diameter/Pitch	T48mm/12mm T55mm/12mm (5)			
Cross slide travel	350mm	420mm	520mm	620mm
Compound rest travel	200mm			
Size of tool shank	32 X 32mm			
Tailstock diameter	Φ100mm		Φ120mm	
Tailstock taper	MORES 6#			
Tailstock travel	240mm			
Main drive motor	11kw			
Coolant pump motor	0.09kw			
Rapid feed motor	1.1kw			
Genter distance (1500mm)	3452×1326×1390 CW6180E			
KG UNIT	4300kg	4500kg	5000kg	5500kg

HEAVY DUTY LATHE MACHINE

CW SERIES



This machine tool is a universal lathe, suitable for high-speed steel and hard alloy steel tools to turn external circles, end faces, grooving, cutting, boring, turning and boring of shaft parts, cylindrical and disc-shaped parts of different materials. Inner cone, thread turning and other processes. The main shaft adopts a three-support structure, and the bed adopts an integral bed, which makes the bed have higher rigidity. The machine tool is equipped with a separate oil pump, forced lubrication, and can move quickly. The machine has strong rigidity, High efficiency, safety and reliability, convenient operation and beautiful appearance.

Model	OHS W6½63	OHS W6½80(A)	OHS W6½100(A)	OHS W6½120(A)
Max swing over bed	630mm	800mm	1000mm	1200mm
Max swing over gap	830mm	1000mm	1200mm	1400mm
Max swing over cross slide	345mm	480mm	680mm	880mm
Distance between centers	850, 1350, 1850, 2850, 3850, 4850, 5850, 7850, 9850, 11850mm			
Width of bed	600mm			
Spindle hole	Φ105mm (Φ130mm, CW6180)			
Spindle taper	Φ 120mm 1:20 (Φ140 CW6180)			
Spindle speeds	7.5-1000r/min	5.5-730r/min		
Metric threads range (kinds)	1-240mm (52)			
Inch threads range (kinds)	1-14 (26)			
Module threads range (kinds)	1.5-120mm (53)			
Diametral threads range (kinds)	1-28 (24)			
Longitudinal feeds range (kinds)	0.1-24.3mm/r			
Cross feed range (kinds)	0.05-12.15mm/r			
Rapid feed: long/cross	4000mm/min, 2000mm/min			
Tool section	32 x 32mm			
Cross slide travel	370mm	430mm		
Compound rest travel	200mm (A 170mm)			
Tailstock diameter	Φ100mm	Φ120mm		
Tailstock taper	MORES 6#			
Tailstock travel	204mm			
Steady rest	Φ20-200mm			
Follow rest	Φ20-135mm			
Main drive motor	11 / 15kw			
Rapid feed motor	1.1kw			
Net weight Dimention (LxWxH)	1000mm 4600kg 3000x1170x1250mm			
	1500mm 5000kg 3500x1170x1250mm			
	2000mm 5200kg 4000x1170x1250mm			
	3000mm 5800kg 5000x1170x1250mm			
	4000mm 6400kg 6000x1170x1250mm			
	5000mm 7000kg 7000x1170x1250mm			
	6000mm 7600kg 8000x1170x1250mm			
	8000mm 9000kg 10000x1170x1250mm			
	10000mm 10400kg 12000x1170x1250mm			
	12000mm 11700kg 14000x1170x1250mm			

HEAVY DUTY LATHE MACHINE

CWA SERIES



This machine tool is a universal lathe, suitable for high-speed steel and hard alloy steel tools to turn external circles, end faces, grooving, cutting, boring, turning and boring of shaft parts, cylindrical and disc-shaped parts of different materials. Inner cone, thread turning and other processes. The main shaft adopts a three-support structure, and the bed adopts an integral bed, which makes the bed have higher rigidity. The machine tool is equipped with a separate oil pump, forced lubrication, and can move quickly. The machine has strong rigidity, High efficiency, safety and reliability, convenient operation and beautiful appearance.

Model	OHS WA61100	OHS WA61125	OHS WA61140	OHS WA61160
Max weight of workpiece		8 T		
Max swing over bed	1000mm	1250mm	1400mm	1600mm
Max swing over cross slide	620mm	870mm	1000mm	1200mm
Distance between centers	1500, 2000, 3000, 4000, 5000, 6000, 8000, 10000, 12000mm			
Width of bed	780mm			
Spindle hole	Φ130mm			
Spindle taper	Φ140mm			
Spindle speeds	3.15-315r/min or 2.5-250r/min			
Metric threads range (kinds)	1-120mm (44)			
Inch threads range (kinds)	1/4-24 (31)			
Module threads range (kinds)	0.5-60mm (45)			
Diametral threads range (kinds)	1/2-56DP (38)			
Longitudinal feeds range (kinds)	0.1-12mm (56)			
Cross feed range (kinds)	0.05-6mm (56)			
Rapid feed: long/cross	3400mm/min, 1700mm/min			
Distance between Center & Tool	48mm			
Tool section	45x45mm			
Cross slide travel	650mm			
Compound rest travel	280mm			
Tailstock diameter	Φ2160mm			
Tailstock taper	80			
Tailstock travel	300mm			
Main motor	22kw			
Coolant motor	0.15kw			
Rapid feed motor	1.5kw			
Distance between centers	1500mm 10000kg 4600x1900x2400mm			
Net weight	2000mm 10800kg 5100x1900x2400mm			
Dimention (LxWxH)	3000mm 11600kg 6100x1900x2400mm			
	4000mm 12400kg 7100x1900x2400mm			
	5000mm 13200kg 8100x1900x2400mm			
	6000mm 14000kg 9100x1900x2400mm			
	8000mm 15600kg 11100x1900x2400mm			
	10000mm 17200kg 13100x1900x2400mm			
	12000mm 18800kg 15100x1900x2400mm			

HEAVY DUTY LATHE MACHINE

CW (10T) SERIES



This machine tool is a universal lathe, suitable for high-speed steel and hard alloy steel tools to turn external circles, end faces, grooving, cutting, boring, turning and boring of shaft parts, cylindrical and disc-shaped parts of different materials. Inner cone, thread turning and other processes. The main shaft adopts a three-support structure, and the bed adopts an integral bed, which makes the bed have higher rigidity. The machine tool is equipped with a separate oil pump, forced lubrication, and can move quickly. The machine has strong rigidity, High efficiency, safety and reliability, convenient operation and beautiful appearance.

MODEL	OHS W6%128	OHS W6%148	OHS W6%168	OHS W6%198	OHS W6%208
Max weight of workpiece	10 T				
Max swing over bed	1280mm	1480mm	1680mm	1980mm	2080mm
Max swing over cross slide	840mm	1040mm	1240mm	1500mm	1600mm
Distance between centers	2000, 3000, 4000, 5000, 6000, 8000, 10000, 12000mm				
Max swing over gap	1580mm	1780mm	1980mm	2280mm	2380mm
Vaild length of gap	600mm				
Width of bed	1100mm				
Spindle hole	Φ130mm				
Spindle taper	Φ140mm				
Spindle speeds	3.15-315r/min or 2-200r/min or 2.5-250r/min				
Metric threads range (kinds)	1-120mm (44)				
Inch threads range (kinds)	1/4-24 (31)				
Module threads range (kinds)	0.5-60mm (45)				
Diametral threads range (kinds)	1/2-56DP (38)				
Longitudinal feeds range (kinds)	0.1-12mm (56)				
Cross feed range (kinds)	0.05-6mm (56)				
Rapid feed: long/cross	3400mm/min, 1700mm/min				
Distance between Center & Tool	48mm				
Tool section	45x45mm				
Cross slide travel	860mm				
Compound rest travel	280mm				
Tailstock diameter	Φ260mm				
Tailstock taper	80				
Tailstock travel	300mm				
Main motor	30kw				
Coolant motor	0.15kw				
Rapid feed motor	1.5kw				
Tailstock motor	1.5kw				
Distance between centers	2000mm 16800kg 5280x2200x2600mm				
Net weight	3000mm 18300kg 6280x2200x2600mm				
Dimention (LxWxH)	4000mm 20000kg 7280x2200x2600mm				
	5000mm 21500kg 8280x2200x2600mm				
	6000mm 23000kg 8280x2200x2600mm				
	8000mm 26000kg 11280x2200x2600mm				
	10000mm 29000kg 13280x2200x2600mm				
	12000mm 32000kg 15280x2200x2600mm				

HEAVY DUTY LATHE MACHINE

CW (20T) SERIES



This machine tool is a universal lathe, suitable for high-speed steel and hard alloy steel tools to turn external circles, end faces, grooving, cutting, boring, turning and boring of shaft parts, cylindrical and disc-shaped parts of different materials. Inner cone, various threads and other processes. The main shaft adopts a three-support structure and is driven by a DC motor, so that the main shaft can obtain a 4-speed stepless speed regulation range of 3-200r/min. The bed adopts rectangular guide rails, and the whole bed forms a box row, so that the bed has higher rigidity. The machine tool is equipped with a separate oil pump for forced lubrication. The slide, tool rest, bed saddle, and tailstock can move quickly, so that the machine tool has the characteristics of strong rigidity, high efficiency, safety and reliability, convenient operation and beautiful appearance.

MODEL	OHS W61126	OHS W61146	OHS W61166	OHS W61186	OHS W61186
Max weight of workpiece	20t				
Max swing over bed	1260mm	1460mm	1660mm	1860mm	2060mm
Max swing over cross slide	760mm	960mm	1160mm	1360mm	1560mm
Distance between centers	3000, 4000, 5000, 6000, 8000, 10000, 12000mm				
Width of bed	1180mm				
Spindle hole	Φ105mm				
Spindle taper	Φ140mm				
Spindle speeds	3-24 ; 6-48 ; 12-96 ; 24-200r/min				
Metric threads range (kinds)	1-60mm				
Inch threads range (kinds)	1/2-30				
Longitudinal feeds range (kinds)	0.1-6mm				
Cross feed range (kinds)	0.05-3mm (38)				
Rapid feed: long/cross	3400mm/min , 1700mm/min				
Tool section	45x45mm				
Cross slide travel	700mm	800mm			
Compound rest travel	280mm				
Tailstock diameter	Φ280mm				
Tailstock taper	Φ100mm				
Tailstock travel	300mm				
Close-type steady rest	Φ250-600mm				
Open-type steady rest (optional)	Φ450-780mm Φ550-1200mm				
Main motor	55kw				
Rapid feed motor	1.5kw				
Tailstock motor	1.5kw				
Distance between centers Net weight Dimention (LxWxH)	2000mm 21000kg 7150x2200x1850mm				
	3000mm 22500kg 8150x2200x1850mm				
	4000mm 24000kg 9150x2200x1850mm				
	5000mm 25500kg 10150x2200x1850mm				
	6000mm 27000kg 11150x2200x1850mm				
	8000mm 30000kg 13150x2200x1850mm				
	10000mm 33000kg 15150x2200x1850mm				
	12000mm 36000kg 17150x2200x1850mm				

HEAVY DUTY LATHE MACHINE

CWZ (30T) SERIES



This machine tool is a universal lathe, suitable for high-speed steel and hard alloy steel tools to turn external circles, end faces, grooving, cutting, boring, turning and boring of shaft parts, cylindrical and disc-shaped parts of different materials. The inner cone can be used for turning various threads with a length of less than 600mm using the upper tool post (via the change wheel). (Special order can cut the full-length thread) The main shaft adopts two supporting structures and is driven by a DC motor, so that the main shaft can obtain a stepless speed regulation range of 0.8-160r/min. The bed adopts three rectangular guide rails, and the whole bed forms a box row, which makes the bed have a higher rigidity. The machine tool is equipped with a separate oil pump for forced lubrication. The slide, tool rest, bed saddle, and tailstock can move quickly, making the machine tool with strong rigidity, high efficiency, safety and reliability, convenient operation and beautiful appearance.

MODEL	OHS WZ61160	OHS WZ61180	OHS WZ61200	OHS WZ61220	OHS WZ61240	OHS WZ61250
Max weight of workpiece	32T					
Max swing over bed	1600mm	1800mm	2000mm	2200mm	2400mm	2500mm
Max swing over cross slide	1250mm	1450mm	1650mm	1850mm	2050mm	2150mm
Distance between centers	3000, 4000, 5000, 6000, 8000, 10000, 12000mm					
Width of bed	1600mm					
Spindle hole	Φ85mm					
Spindle taper	Φ120mm					
Spindle speeds	0.8-18 ; 2.4-54 ; 7.2-160r/min					
Metric threads range (kinds)	2-40mm					
Inch threads range (kinds)	1-14					
Worm gear threads range (module)	1.5-20mm					
Longitudinal feeds range (kinds)	0.125-45mm/min					
Cross feed range (kinds)	0.063-24mm/min					
Rapid feed: long/cross	3000mm/min, 1500mm/min					
Tool section	70x70mm					
Cross slide travel	725mm					
Compound rest travel	600mm					
Tailstock diameter	Φ300mm					
Tailstock taper	Φ100mm					
Tailstock travel	300mm					
Close-type steady rest	Φ400-750mm					
Open-type steady rest (optional)	Φ650-1200mm					
Main motor	80kw					
Rapid feed motor	1.5kw					
Tailstock motor	1.5kw					
Distance between centers	3000mm 37500kg 8577x2480x2280mm					
Net weight Dimention (LxWxH)	4000mm 39000kg 9577x2480x2280mm					
	5000mm 40500kg 10577x2480x2280mm					
	6000mm 42000kg 11577x2480x2280mm					
	8000mm 45000kg 13577x2480x2280mm					
	10000mm 48000kg 15577x2480x2280mm					
	12000mm 52000kg 17577x2480x2280mm					
	16000mm 58000kg 21577x2480x2280mm					



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