

# HP HPX

Hollow Spindle Lathe



**KINGSTON**

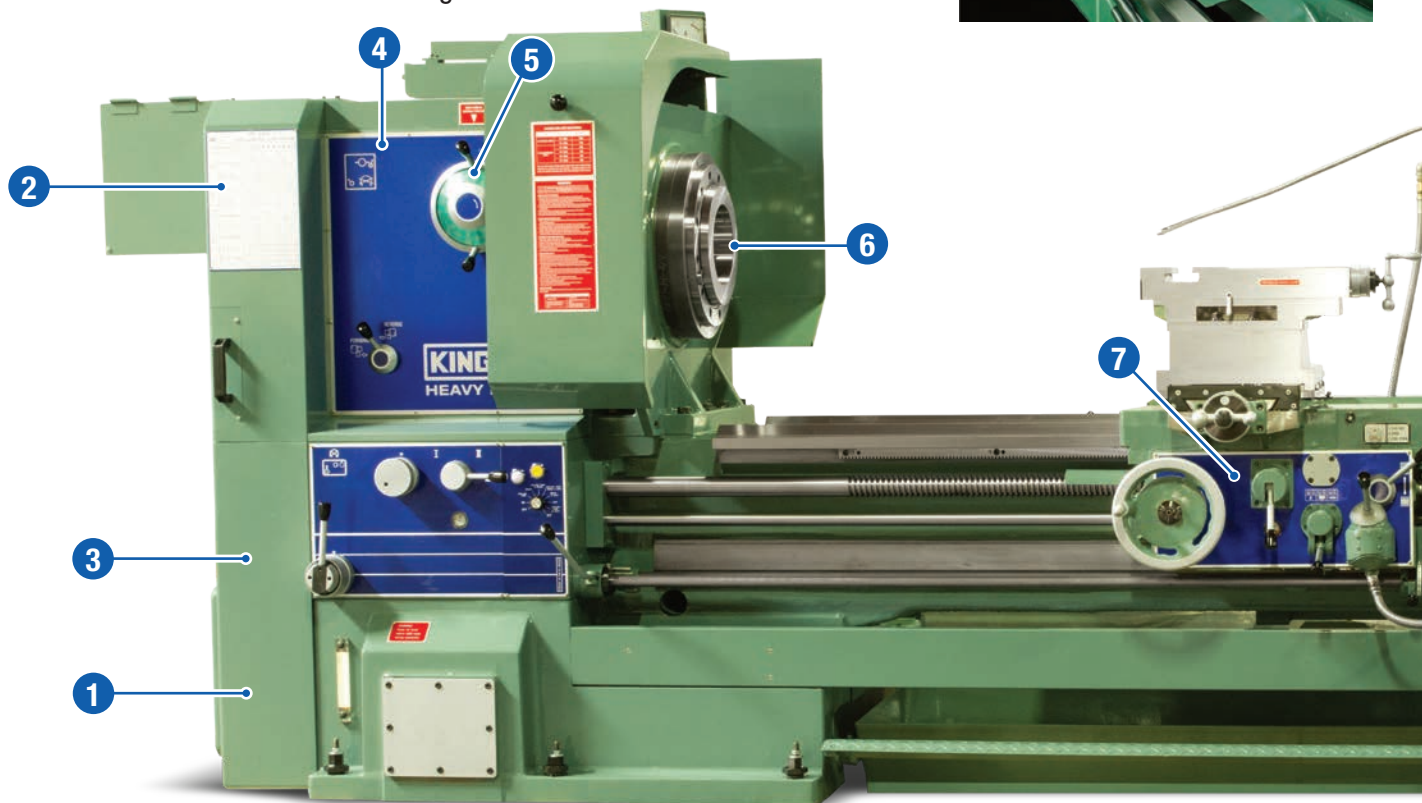
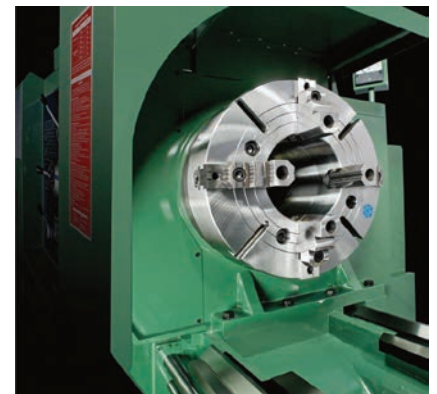
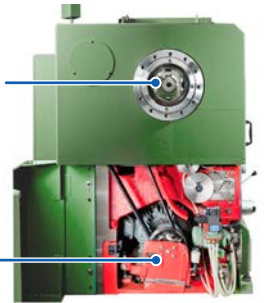
# HP HPX

## Hollow Spindle Lathe

Kingston's HP and HPX models deliver superior power and cutting performance for large and long work pieces. Available in 34" and 40" swing and lengths from 80" to 280", the HP features a 7.09" Bore and the HPX a 9.25" or 10.1" Bore. At the heart of these machines is a strong and rigid headstock and 22" bed way made with high quality casting for greater stability and accuracy in heavy duty applications. The hardened and ground alloy steel spindle comes with two precision taper roller bearings, A2-15 spindle nose, and a rear chuck adapter. The powerful 30 HP spindle motor features 16 spindle speeds and the gear box features 40 kinds of feed changes.

### Machine Highlights

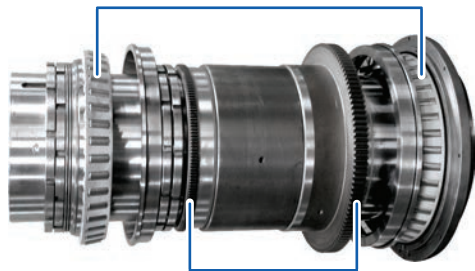
- 1 30 HP High performance motor with overload protection relay.
- 2 Rear Chuck Adapter
- 3 Hydraulic Brake System
- 4 Powerful Headstock for heavy duty cutting capability.



**5** **16 Step Spindle Speed** from HP 8 – 700 RPM / HPX 9 – 600 RPM

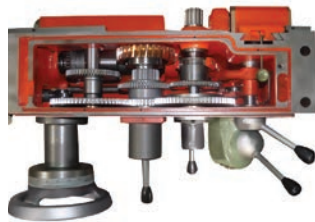
**6** **Main Spindle**

Heavy duty precision taper roller bearings provide rigid support



Hardened and ground gears

**7** **Apron** Overload protection device incorporates a cone clutch. An interlock mechanism for threading and feeds.



**8** **Tailstock** Two speed tailstock with convenient clamp lever to lock the hardened and ground quill (5 1/8").

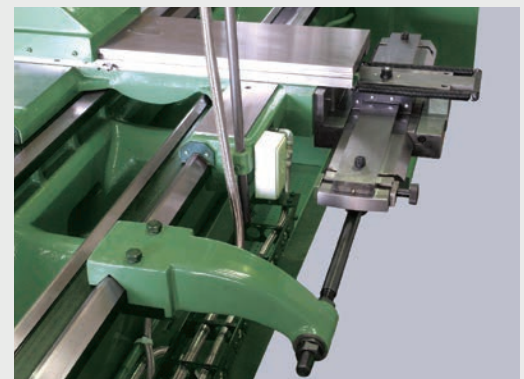


## Standard Features

- 30HP, 230V/460V, 3 phase, 60 cycle motor, switch and wiring complete
- Spindle bore: HP 7.09" / HPX 9.25" or 10.1"
- 4-Way Rapid Traverse
- Spindle nose: ASA-A2-15
- Hydraulic Brake System
- Double chuck ready
- Two-speed drive tailstock quill

## Optional Accessories

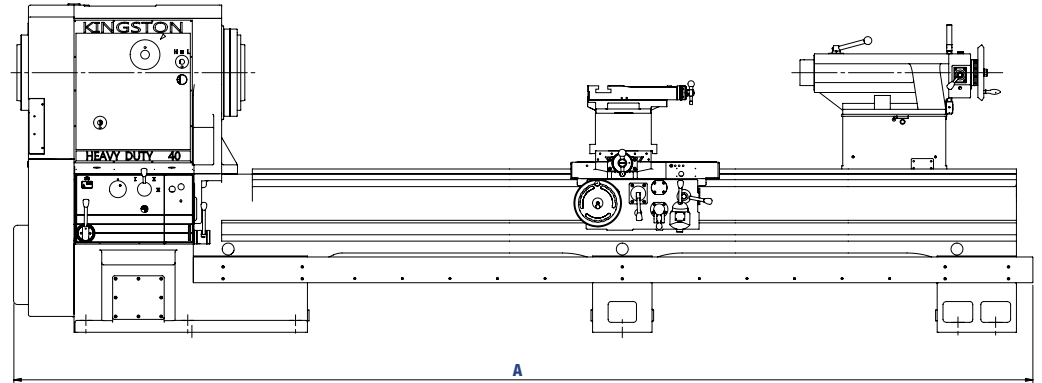
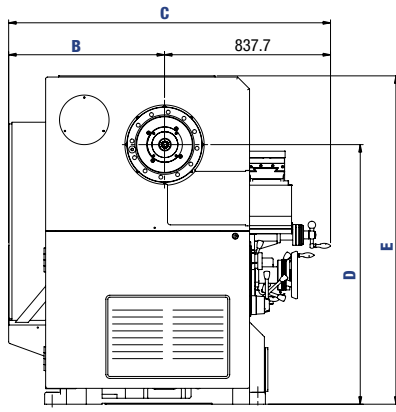
- 11.9" steady rest with roller jaws (min. capacity 1.25")
- 19.7" steady rest with roller jaws (min. capacity 11.1")
- 23.5" steady rest with roller jaws (min. capacity 11.9", 40" swing only)
- Telescopic Taper Attachment  $\pm 8^\circ$  & 3.5"/foot, 19.7" (500mm) stroke
- Roller bracket
- Follow rest



Telescopic Taper Attachment (Optional)



Roller Bracket



## Specifications

Model	A	B	C	D	E
HP-2000	162" (4122)	HP: 31" (787)			
HP-3000	202" (5142)	HPX: 32" (917)			
HP-4000	243" (6174)				
HP-5000	281" (7144)				
HP-6000	325" (8264)	HP: 64" (1624)			
HP-7000	358" (9102)	HPX: 64" (1624)			
HPX-2000	162" (4122)	34" Swing: 48.6" (1235)			
HPX-3000	202" (5142)	40" Swing: 51.6" (1310)			
HPX-4000	243" (6174)				
HPX-5000	281" (7144)				
HPX-6000	325" (8264)	34" Swing: 62.3" (1583)			
HPX-7000	358" (9102)	40" Swing: 65" (1651)			



### Kingston Machine Tool

5421 Business Dr, Huntington Beach, CA 92649

(714) 894-1648 | Fax (714) 897-2616

kingstonmachine.com



<b>Capacity</b>			
Swing Over Bed		34"	40"
Swing Over Cross Slide		25.1"	31.0"
Distance Between Centers		80" / 120" / 160" / 200" / 240" / 280"	
Width of Bed		22"	
Height of Center from Leg Bottom		48.63"	51.5"
<b>Headstock</b>			
Spindle Bore		HP 7.09" / HPX 9.25" (10.1" Opt.)	
Type of Spindle Nose		ASA A2-15	
Number of Spindle Speeds		16	
Spindle Speed		HP 8–700 RPM / HPX 9–600 RPM	
<b>Gear Box</b>			
Number of Feed Changes		40 kinds	
Range of Feeds per Revolution		0.0024"–0.0337"	
Longitudinal Cross		1/2 of Longitudinal Feeds	
Leadscrew Diameter & Threads per inch		1.9" / 2 TPI	
Threading range	Whitworth	1 to 28 TPI (50)	
	Metric	1 to 28mm pitch (41)	
	Module	0.5 to 7 M (20)	
	D.P.	4 to 56 D.P. (40)	
<b>Tool Slide</b>			
Maximum Travel of Compound		9.4"	
Maximum Travel of Cross Slide		21.2"	
<b>Tailstock</b>			
Tailstock Quill Travel		11.8"	
Tailstock Quill Diameter		5.1"	
Tailstock Center		M.T. #6	
<b>Motor</b>			
Main Drive Motor		30HP (22kw)	
Coolant Pump Motor		1/4 HP	
<b>Dimensions</b>			
Floor Space (inch)	W: 87"	L: 198" / 238" / 278" / 316" / 360" / 394"	
<b>Weight (lbs)</b>	34" Swing	13700 / 15200 / 17800 / 19300 / 21800 / 23900	
	40" Swing	13950 / 15500 / 18000 / 19600 / 22100 / 24200	