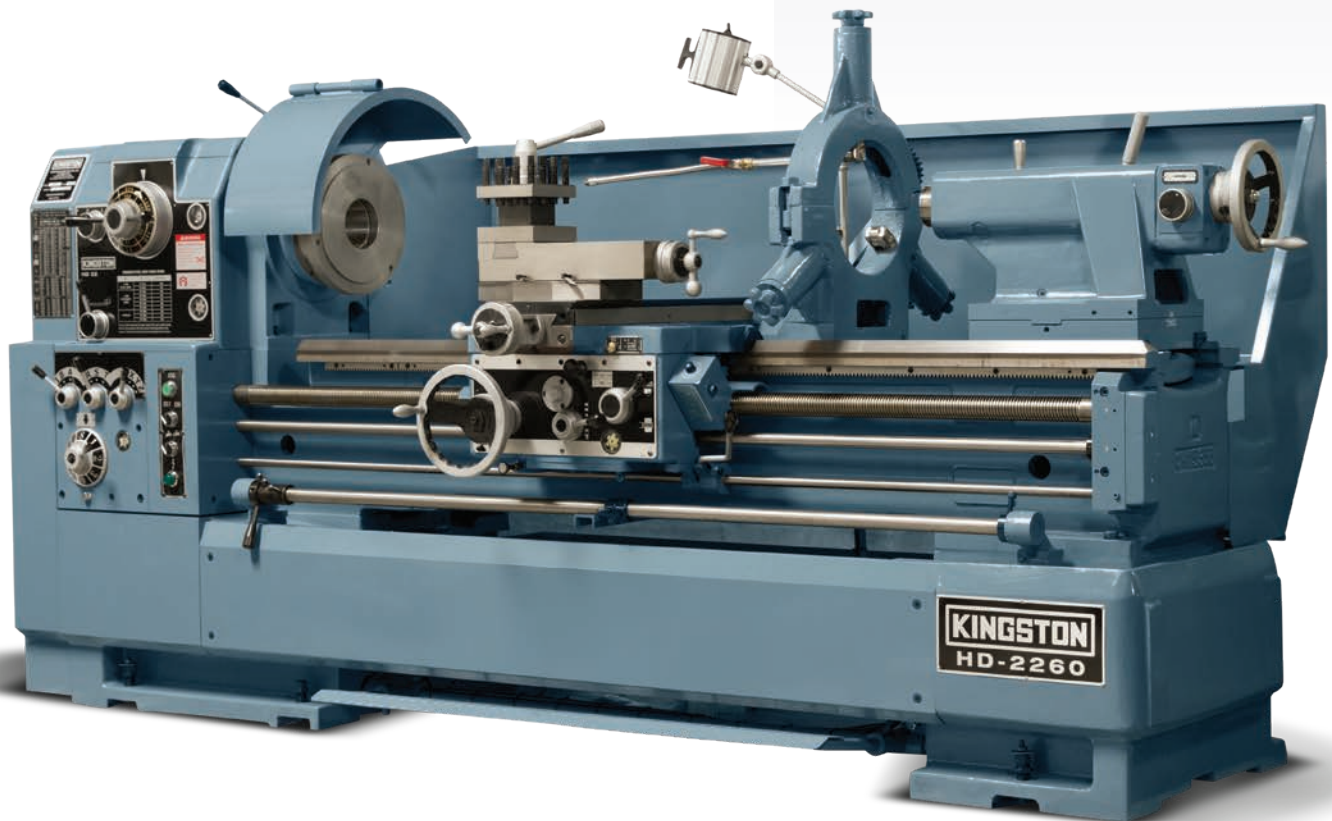


# HD

Precision Lathes



**KINGSTON**

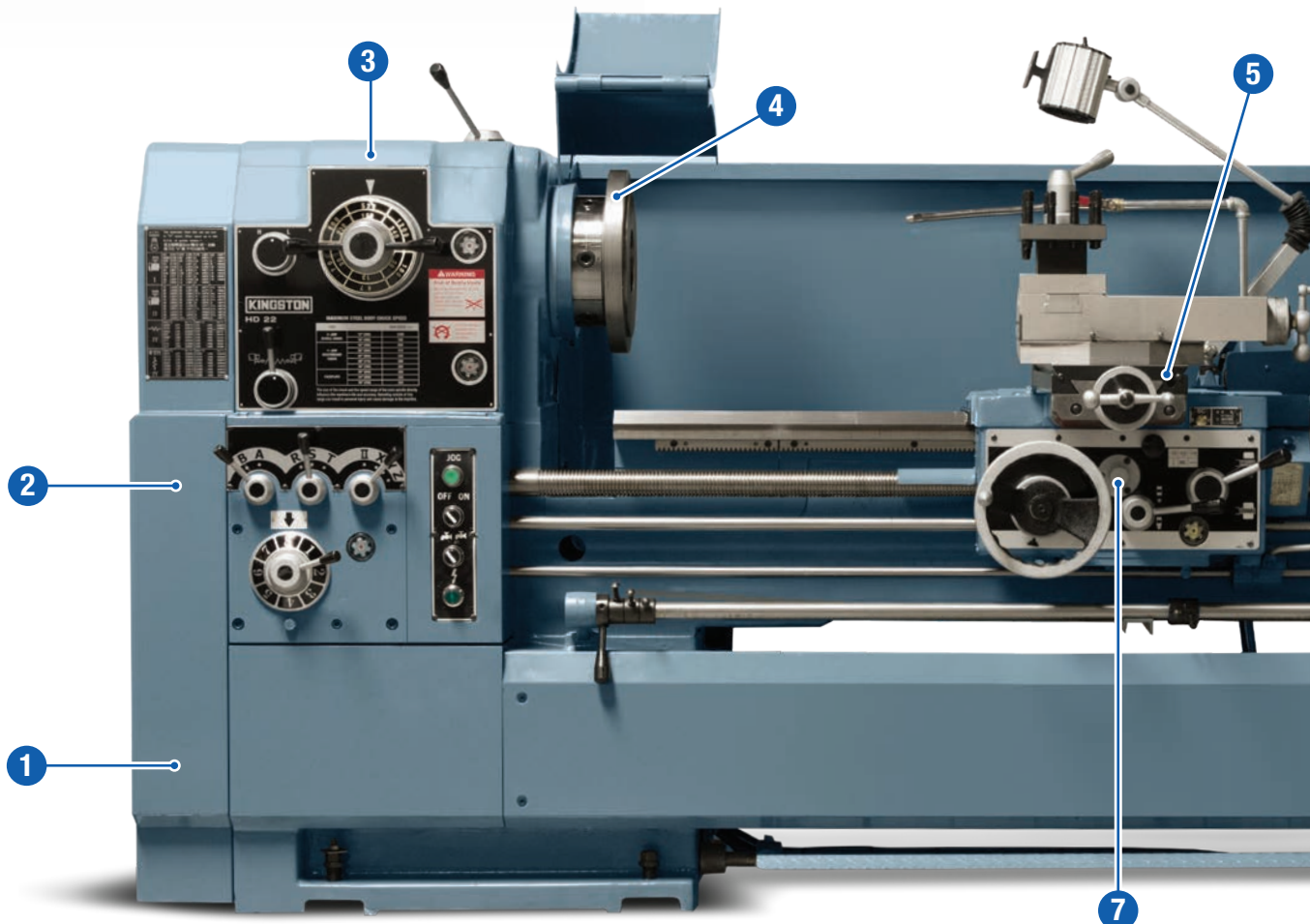
# HD

## Precision Lathes

Kingston's popular HD model is a versatile precision lathe that can tackle all of your projects, large and small. The hardened and ground main spindle features a 3-point bearing support with taper roller bearings for heavy-duty precision cutting. Select from either the HD 22" swing model which features a D1-8 Camlock spindle, 4 TPI lead screw, and a 10 HP motor, or the HD 26" and HD 30" swing models, which feature a D1-11 nose, 2 TPI lead screw, and a 15 HP Motor. The timing-belt-driven power train system includes 12 speeds from 13 to 1200 RPM, complete with foot brake. Both bedway and cross slide are hardened and ground. Tailstock quill is heat treated and precisely ground and has a 7" travel, with 1:1 and 1:4 changeable feeds. Machine lengths available from 35" – 160". Z-axis rapid traverse standard on 90 c.c. and longer lathes.

### Machine Highlights

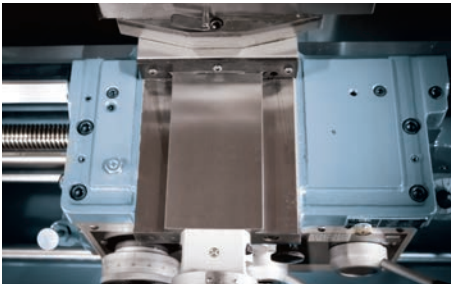
- 1 10/15 HP High Performance Motor** with Overload Protection Relay
- 2 Timing Belt Driven Power Train System**
- 3 Headstock Gears:** 12 Spindle Speeds from 13 – 1200 RPM



**4 Spindle with 3-Point Bearing System**



**5 Hardened & Ground Cross Slide Way**



**6 Two Speed Tailstock 1:1 and 1:4 Changeable Feeds**

**7 Overload Protection Device in Apron**

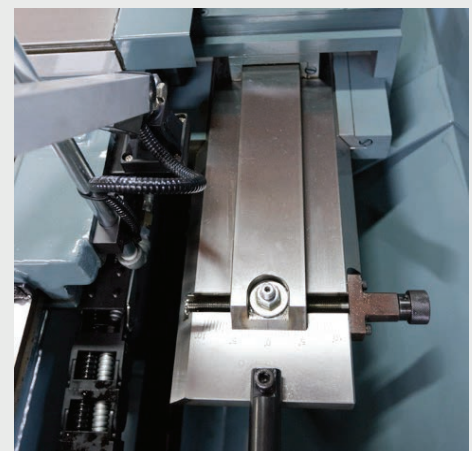


## Standard Features

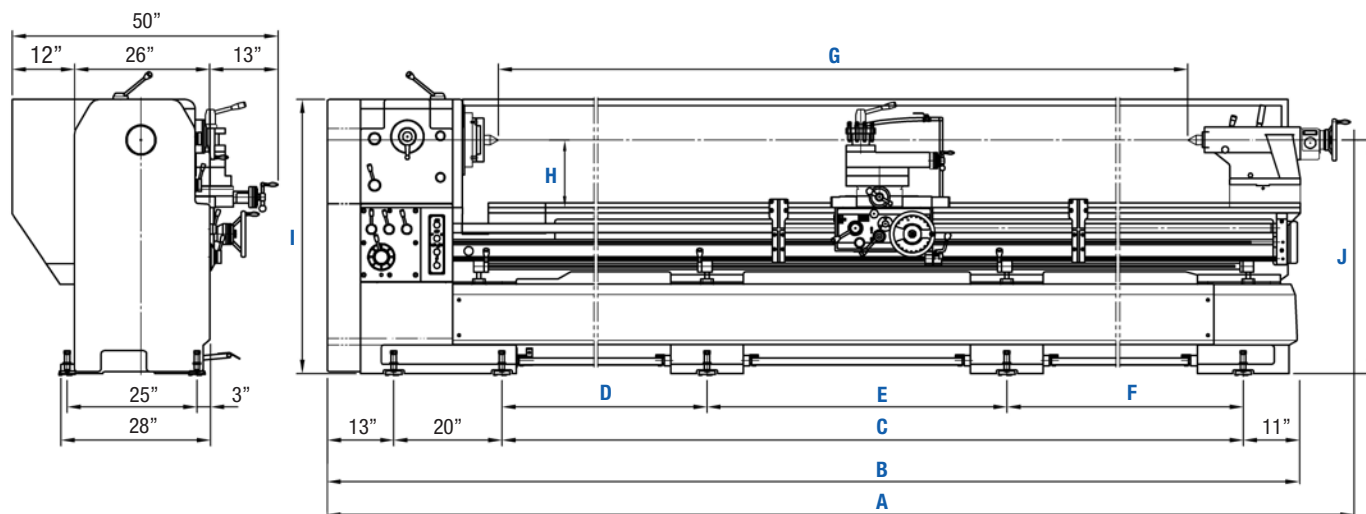
- 10 HP (22") / 15 HP (26"/30") Motor
- 4.09" Spindle Bore
- Spindle Nose: D1-8 (22") / D1-11 (26"/30")
- 12 Speeds: 13 – 1200 RPM
- Lead Screw: 4 TPI (22") / 2 TPI (26"/30")
- 10" Steady Rest
- 4-Way Tool Post, T-Slot Compound
- Z-Axis Rapid Traverse Standard on 90" C.C. and Longer Lathes
- 2-Speed Drive Tailstock Spindle
- HD Tailstock Crank
- E-Stop Button
- Full-Length Splash Guard & Chuck Guard

## Optional Accessories

- Steady Rests
- Follow Rest
- Taper Attachment
- Rapid Traverse on 35" & 60" C.C. Lathes
- Carriage Stops
- Live Centers
- Quick Change Tool Post
- Digital Readout (DRO) + Installation
- Chucks & Faceplates
- Safety Accessories



Optional Taper



	35"	60"	90"	120"	160"
<b>A</b>	950"	120"	152"	182"	222"
<b>B</b>	87"	114"	141"	172"	212"
<b>C</b>	47"	68"	98"	128"	168"
<b>D</b>	-	-	46"	61"	53"
<b>E</b>	-	-	52"	67"	57"
<b>F</b>	-	-	-	-	59"
<b>G</b>	30"	31" (22") 55" (26")	87"	117"	157"

	HD 22"	HD 26"	HD 30"
<b>H</b>	11"	13"	15"
<b>I</b>	50"	52"	54"
<b>J</b>	42"	44"	46"

Capacity	HD-22	HD-26	HD-30
Swing Over Bed	22"	26"	30"
Swing Over Cross Slide	13"	17.5"	21.5"
Swing in Gap	31.3"	35.1"	38.9"
Gap Width in Front of the Face plate		10.6"	
Distance Between Centers	35" / 60" / 90" / 120" / 160"		
Width of Bed		15.7"	
Height of Center from Leg Bottom	42.0"	44.3"	46.5"
Headstock			
Spindle Bore		4.09"	
Taper of Spindle Bore & Center		M.T. #7 x #5	
Type of Spindle Nose	D1-8	D1-11	D1-11
Number of Spindle Speeds		12	
Spindle Speed		13 – 1200 RPM	
Gear Box			
Number of Feed Changes		16	
Feeds per Revolution – Longitudinal		0.0012" – 0.039"	
– Cross	0.0004" – 0.0117"	0.0007" – 0.0188"	0.0007" – 0.0188"
Leadscrew Diameter & Threads/Inch	1.77", 4TPI	1.77", 2 TPI	1.77", 2 TPI
Range of Inch Threads	2 – 72 (44)	1 – 42 (48)	1 – 42 (48)
Range of Metric Pitches	0.2 – 14 (39)	0.4 – 28 (44)	0.4 – 28 (44)
Tool Slide			
Maximum Travel of Compound		9.5"	
Maximum Travel of Cross Slide		15.8"	
Tailstock			
Tailstock Quill Travel		9.8"	
Tailstock Quill Diameter		2.9"	
Taper in Tailstock Quill		M.T. #5	
Motor			
Main Drive Motor	10 HP	15 HP	15 HP
Coolant Pump Motor		1/8 HP	
Dimension (Floor Space)	W: 47" L: 87" / 114" / 146" / 177" / 217"		
Weight (lbs)			
35"	5,100	5,300	5,800
60"	5,300	5,500	6,000
90"	6,200	6,300	6,900
120"	6,700	7,000	7,500
160"	7,000	8,000	8,600



### Kingston Machine Tool

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