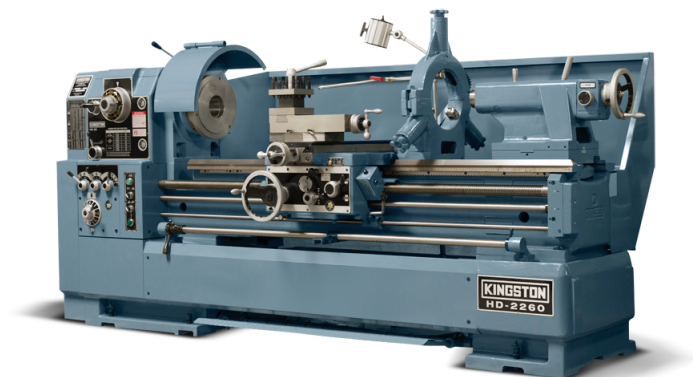


# HD Series

July 2024

## Precision Gap Bed Engine Lathe with 4.09" Spindle Bore



\*Pictured: HD-2260

22" Swing (D1-8)		26" Swing (D1-11)		30" Swing (D1-11)	
HD-2235	\$36,700	HD-2635	\$38,700	HD-3035	\$43,700
HD-2260	\$37,900	HD-2660	\$39,900	HD-3060	\$44,900
HD-2290	\$43,900	HD-2690	\$45,900	HD-3090	\$50,900
HD-22120	\$48,900	HD-26120	\$50,900	HD-30120	\$55,900
HD-22160	\$56,900	HD-26160	\$58,900	HD-30160	\$63,900

\*F.O.B. Huntington Beach, CA

*The big brother to our popular HJ model, Kingston's HD 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. The HD 22" swing model features a D1-8 Camlock spindle, 4 TPI lead screw, and a 10 HP motor, while the HD 26" and 30" swing models features a D1-11 Camlock spindle, 2 TPI lead screw, and a 15 HP Motor. The timing-belt-driven power train system includes 12 speeds from 13 – 1200 RPM, complete with foot brake. Both bedway and cross slide are hardened and ground. The tailstock quill is heat treated and precisely ground, with a 9.8" travel and 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.*



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## HD Series

July 2024

### STANDARD EQUIPMENT & ACCESSORIES

- Main Motor: 10 HP (HD-22) / 15 HP (HD-26, HD-30), 230V / 460V, 3 Phase, 60 Cycle, Switch & Wiring
- 4.09" Spindle Bore
- Spindle Nose: D1-8 (HD-22) / D1-11 (HD-26, HD-30)
- 12 Spindle Speeds (13 – 1,200 RPM)
- Wye Delta Start
- Emergency Stop Button
- Chuck Guard
- 10" Steady Rest with Roller Jaws
- Z-Axis Rapid Traverse (Except 35" & 60" C.C.)
- 4-Way Tool Post Fitted to T-Slotted Compound
- Coolant System with Pump and Piping
- LED Work Light w/ 120V Outlet
- Hardened & Ground Bed & Cross Slide Ways
- Cross Slide Screw: 8 (HD-22) / 5 TPI (HD-26, HD-30)
- Lead Screw: 4 TPI (HD-22) / 2 TPI (HD-26, HD-30)
- Automatic Longitudinal Feed Stop Bar
- Thread Chasing Dial
- Pull Drawer Chip (Oil) Pan
- Two-Speed Drive Tailstock Spindle (MT#5)
- Full Length Splash Guard
- Tool Box w/ Necessary Wrenches & Spanners
- Instruction Manual & Parts List
- Headstock Spindle Center Adaptor: MT#7 to #5
- Ground Steel Center MT#5 for Headstock
- 12" Back Plate
- Leveling Screws
- Leveling Pads
- Touch-Up Paint



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### OPTIONAL ACCESSORIES

Additional 10" Steady Rest with Roller Jaws (Min. Capacity 1.6")	\$3,500
15" Steady Rest with Roller Jaws (Min. Capacity 7.5")	\$3,900
18.9" Steady Rest with Roller Jaws for HD-26 & HD-30 only (Min. Capacity 8.6")	\$4,500
7" Follow Rest	\$1,500
Telescopic Taper Turning Attachment	\$5,900
Drilling Attachment	\$1,900
Z-axis Rapid Traverse on 35" or 60" Bed	\$3,500
Carriage Stop: Turret-Type or Micrometer Available	\$ 450
Tailstock Complete Crank Assembly	\$ 400
Bison Super Precision Live Center MT#5 (4180 lbs, 0.0002 max runout)	\$ 425
Convert Cross Feed Screw (HD-22 to 5 TPI, HD-26 to 8 TPI)	\$1,250
Aloris CA Tool Post Only	\$1,050
Aloris CA Tool Post + 6 Tool Holders (Set #4)	\$2,125
Aloris DA Tool Post Only	\$1,475
Aloris DA Tool Post + 6 Tool Holders (Set #5)	\$2,795
Newall 2-Axis Digital Readout + Installation (Net):	
35" C.C.	\$3,800 + \$550
60" C.C.	\$3,900 + \$550
90" C.C.	\$5,800 + \$650
120" C.C.	\$6,000 + \$750
160" C.C.	\$7,200 + \$850

### WORKHOLDING

D1-8: Taiwan SK 12" 3-Jaw Semi-Steel Scroll Chuck + Plate (solid jaws)	\$ 2,100
D1-8: Taiwan KT 12" 3-Jaw Steel Body Adjustable Chuck + Plate (hard+soft solid jaws)	\$ 2,900
D1-8: Taiwan KC 12" 4-Jaw Semi-Steel Independent Chuck (direct mount, solid jaws)	\$ 1,450
D1-8: Bison 16" 3-Jaw Forged Steel Scroll Chuck (direct mount, 2pc jaws)	\$ 5,700
D1-8: Bison 16" 4-Jaw Forged Steel Independent Chuck (direct mount, 2pc jaws)	\$ 4,750
D1-8: Taiwan KC 16" 4-Jaw Semi-Steel Independent Chuck (direct mount, solid jaws)	\$ 2,400
D1-11: Bison 20" 3-Jaw Forged Steel Scroll Chuck (direct mount, 2pc jaws)	\$12,500
D1-11: Bison 20" 4-Jaw Forged Steel Independent Chuck (direct mount, 2pc jaws)	\$ 7,500
D1-11: Taiwan KC 20" 4-Jaw Semi-Steel Independent Chuck (direct mount, solid jaws)	\$ 3,250
20" Face Plate	\$ 1,500
Other Chucks	Upon Request

### SAFETY ACCESSORIES

Add Limit Switch to Chuck Guard	\$ 150
Clear Lexan Chuck Guard [Installed]	\$ 500
Leadscrew Guard [60" / 90" Lengths Only]	\$1050 / \$1150
Travelguard Tool Post Guard [Kingston Installation]	\$ 550
Heavy Duty Tool Post Guard [Factory Installation Only]	\$2,000
Rear Spindle Cover	\$ 250
NRTL / UL Ready [UL/NFPA standards, No Certification]	Upon Request
NRTL / UL Certification	Upon Request

# HD Series

July 2024

## GENERAL MACHINE SPECIFICATIONS

		<u>HD-22</u>	<u>HD-26</u>	<u>HD-30</u>		
<b>Capacity</b>	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"
	Maximum Turning Diameter	24.4"	24.4"	23.3"		
	Width of Bed		15.7"			
<b>Headstock</b>	Height of Center from Leg Bottom	42.0"	44.3"	46.5"		
	Spindle Bore		4.09"			
	Taper of Spindle Bore & Center		MT#7 x #5			
	Type of Spindle Nose	D1-8	D1-11	D1-11		
	Number of Spindle Speeds		12			
<b>Gear Box</b>	Spindle Speed		13 – 1200 RPM			
	Number of Feed Changes		16			
	Feeds per Revolution – Longitudinal		0.0012" – 0.039"			
	Leadscrew Diameter & Threads Per Inch	1.77", 4 TPI	1.77", 2 TPI	1.77", 2TPI		
	Range of Inch Threads	2 – 72 TPI (44)	1 – 42 TPI (48)	1 – 42 TPI (48)		
	Range of Metric Pitches	0.2 – 14mm (39)	0.4 – 28mm (44)	0.4 – 28mm (44)		
	Feeds per Revolution – Cross	0.0004" – 0.0117"	0.0007" – 0.0188"	0.0007" – 0.0188"		
<b>Tool Slide</b>	Cross Slide Screw Threads Per Inch	8 TPI	5 TPI	5 TPI		
	Maximum Travel of Compound		9.5"			
	Maximum Travel of Cross Slide		15.8"			
<b>Tailstock</b>	Tailstock Quill Travel		9.8"			
	Tailstock Quill Diameter		2.9"			
	Taper in Tailstock Quill		M.T. #5			
<b>Motor</b>	Main Drive Motor	10 HP	15 HP	15 HP		
	Coolant Pump Motor		1/8 HP			
<b>Dimensions</b>	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	

### REMARKS:

- Until further notice all machines may incur an ocean freight surcharge based on final ocean freight pricing.
- Price and specifications subject to change without notice.
- The machine will be guaranteed free from defective material and workmanship for a period of one (1) year under normal working conditions on a one-shift basis (8 hours daily), excluding misuse by customer.
- Electrics guaranteed for a period of one (1) year (parts only).
- Kingston's responsibility ceases upon delivery to carrier. All claims of loss & damage against carrier must be handled by purchaser.