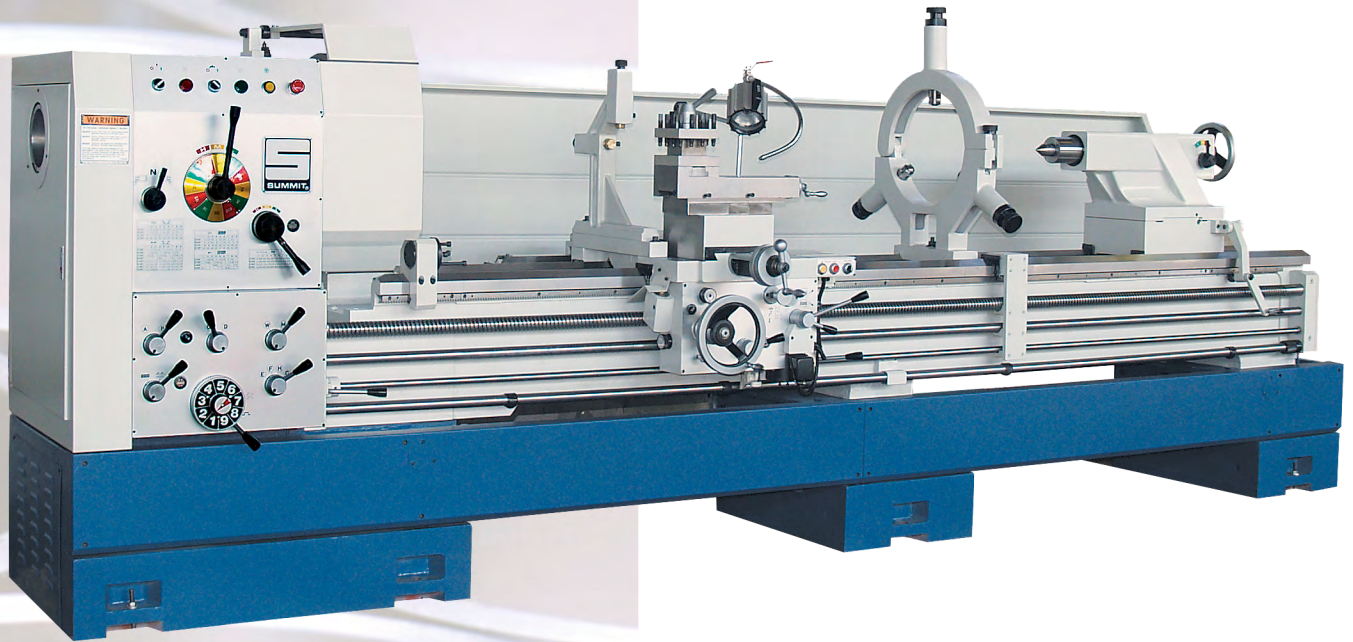


**Summit Machine  
Tool Manufacturing  
Corporation**



# **Precision Big Hole Engine Lathes**

**26"  
30"  
33"**

**6" or 9"  
Spindle  
Bore!**

# Precision Big Hole Engine Lathes 26", 30", 33"



## SPECIFICATIONS 26" 30" 33"

### CAPACITIES

Swing over bed	26"	30"	33"
Swing over cross slide	18"	22"	24 3/4"
Swing in gap	35"	39"	41 3/4"
Length of gap		18"	

### HEADSTOCK

Spindle bore	6.1"	9.1"	
Spindle speeds number		12	
Spindle speeds range RPM	13 - 800		11-700
Spindle nose	D1 - 11		A2-15

### FEEDS & THREADS

Threads per inch - number/range		36 / 2 - 28 TPI	
Metric threads - number/range		65 / .08 - 14mm	
Module threads - number/range		22 / .5 - 7M	
Diametral pitch - number/range		36 / 4 - 56P	
Longitudinal feeds - number/range		36 / .0019 - .0276 IPR	
Cross feeds - number/range		36 / .0009 - .0137 IPR	
Leadscrew - diameter/range		1 3/4" / 2 TPI	

### CARRIAGE & APRON

Cross slide travel	14"	15"	16 1/2"
Compound travel		9"	

### TAPER ATTACHMENT

Degrees of taper		+/- 10 degrees	
Length of taper per setting		20"	

### BED

Width of bed		18"	
Bed way hardness (Rockwell C)		42 - 50	

### TAILSTOCK

Travel of spindle barrel		9"	
Diameter of spindle barrel		3 3/4"	
Taper of center		#5 MT	
Two speed		1:1, 4:1	

### MOTORS

Spindle motor		20 HP	
Rapid traverse		1/4 HP	
Coolant pump		1/8 HP	

### SHIPPING DATA

Width x height	54" x 64"	54" x 66"	54" x 68"
Length/weight - 80"	164" / 7,920 lbs.	164" / 8,250 lbs.	164" / 8,470 lbs.
Length/weight - 120"	204" / 9,240 lbs.	204" / 9,570 lbs.	204" / 9,790 lbs.
Length/weight - 160"	244" / 10,670 lbs.	244" / 11,000 lbs.	244" / 11,220 lbs.
Length/weight - 200"	284" / 12,210 lbs.	284" / 12,540 lbs.	284" / 12,760 lbs.

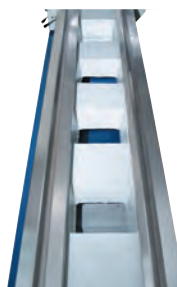


## INCLUDED ACCESSORIES

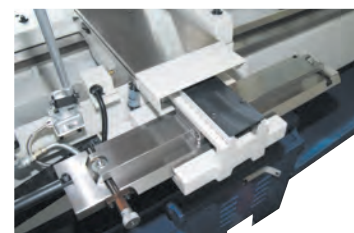
- 16" 3 jaw chuck with 6.1" thru hole (D1-11)
- 20" 4 jaw chuck with 6" thru hole (D1-11)
- Steady rest with roller tips (2" - 15")
- Follow rest
- Full length splash guard
- 4 way tool post
- Halogen work light
- Taper attachment
- Coolant system
- Thread dial
- Front and rear 4 jaw chucks (9.1"/A2-15)

## STANDARD FEATURES

- Quick change gear box will cut inch, metric, module & diametral pitch
- Hardened & precision ground extra wide bed ways
- Spindle brake
- 4 way rapid traverse
- Removable gap
- Feed reversing at the apron
- **6.1" or 9.1" spindle bore**



**Extra Wide 18"  
Bed Ways**



**Extended Length Taper  
Attachment included.**

FOR MORE INFORMATION CALL  
**1-800-654-3262**



**Summit Machine Tool Manufacturing L.L.C.**

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A Subsidiary of LSB Industries, Inc.

[www.summitmachinetool.com](http://www.summitmachinetool.com)

**WARRANTY:** A copy of Summit Machine Tool Manufacturing L.L.C.'s standard written warranty is attached to each Summit Machine. Call or write to Summit for a copy or for further information concerning Summit's standard warranty. All purchases are subject to Summit's standard written warranty. Specifications are subject to change without notice.

**POINT OF OPERATION** guarding is the responsibility of the end user. For information contact your local OSHA office.