

**SUMMIT**  
MACHINE TOOL LLC



# BIG SWING HOLLOW SPINDLE LATHES

---

**47", 55", 63" SWINGS - 6" TO 21" SPINDLE BORES**

# SUMMIT BIG SWING HOLLOW SPINDLE LATHES

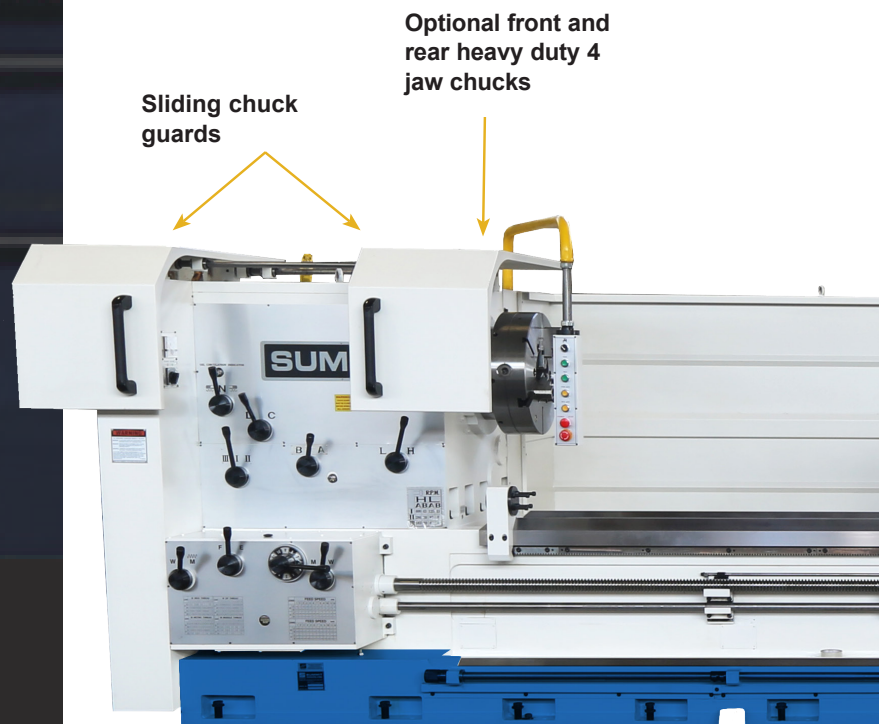
Designed to provide the precision and rugged reliability required for today's demanding applications, we are proud to offer the newly redesigned **Summit®** 47", 55", 63" Series Big Swing Hollow Spindle Lathes.

The "Big Swing" lathes are available in center distances from 80" to 360" with spindle bores from 9" to 21" to cover a wide range of work pieces and feature castings that are heavily ribbed for rigidity and vibration dampening. The headstock is designed with straight cut final drive gears to provide quiet and efficient operation through the full range of spindle speeds. The extra wide (31.5") bed ways are hardened and precision ground to provide high accuracy and long life and the bed is constructed from high-grade alloyed cast iron, normalized and aged to achieve maximum stability. An additional third way is provided on the front of the bed to provide additional support to the carriage to prevent deflection even in the heaviest cuts.

The Big Swing Hollow Spindle Lathes also come equipped with a steady rest, follow rest, taper attachment, hardened and precision ground bedways, front and rear chucks, and many more options are also available.



**Heavy Duty Carriage shown with optional digital readout**



**Sliding chuck guards**

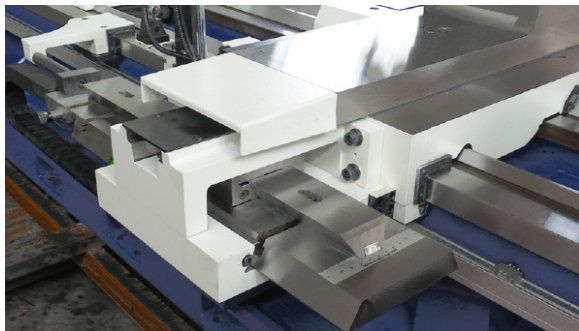
**Optional front and rear heavy duty 4 jaw chucks**

### Optional front and rear 4 jaw chuck

- Heavy duty steel body
- Spindle bores up to 21"
- Sliding chuck guards



### Extended Length Taper Attachment Included



## INCLUDED ACCESSORIES

- Steady Rest
- Follow rest
- Full-length splash guard (up to 240")
- Chuck guards
- Halogen work light
- Taper attachment
- Coolant system
- Thread dial
- Square Tool Post

## STANDARD FEATURES

- Quick change gear box will cut inch and metric threads
- Hardened & precision ground extra wide bed ways
- 4-way rapid traverse
- Two speed tailstock

## OPTIONS

- Optional removable gap available upon request
- Quick change tool post with holders
- Electronic digital readouts
- Wide range of workholding devices including tailstock with live spindle
- 40 HP main motor

Work light

Optional tailstock with live spindle





# DIMENSIONS AND SPECIFICATIONS

## BIG SWING HOLLOW SPINDLE LATHES



### HOLLOW SPINDLE LATHES SPECIFICATIONS

SPECIFICATIONS		47-9		55-9		63-9			
CAPACITIES		INCH / METRIC							
Swing over bed		47" / 1,200mm		55" / 1,400mm		63" / 1,600mm			
Swing over cross slide		32.6" / 830mm		40.5" / 1030mm		48.4" / 1230mm			
WORKPIECE WEIGHTS									
Between centers		22,000 lbs / 10,000 kg							
HEADSTOCK									
Spindle bore		9" / 230mm		12.2" / 310mm		14.2" / 360mm		21" / 535mm	
Spindle nose		A2-15		A2-20		A2-20		A2-28	
Spindle speeds: number		12		12		12		12	
Spindle speeds: range		6-400 RPM		5-300 RPM		5-300 RPM		5-300 RPM	
CARRIAGE									
Cross slide travel				30.7" / 780 mm					
Compound travel				13.7" / 350 mm					
Bed width				31.5" / 800 mm					
Leadscrew				1.97 in / 50mm x 2 TPI					
GEARBOX									
Longitudinal feeds: (no.) range				(48) .13 - 1.92 IPR					
Cross feeds: (no.) range				(48) .065 - .96 IPR					
Threads per inch: (no.) range				(48) 1 - 15 TPI					
Metric threads: (no.) range				(48) 2 - 30 mm					
TAILSTOCK									
Quill diameter		7.9" / 200mm (standard) or 11.4" / 290mm for Rotary Quill (optional)							
Quill travel		11.8" / 300 mm							
Quill taper		MT #7							
MISCELANEOUS									
Main Motor Power		30 HP (40 HP & 50 HP Optional)							
DIMENSIONS & WEIGHTS									
80" centers		200" x 87" x 83" / 21,120 lbs		200" x 87" x 91" / 24,620 lbs		200" x 87" x 99" / 38,120 lbs			
120" centers		240" x 87" x 83" / 32,620 lbs		240" x 87" x 91" / 36,120 lbs		240" x 87" x 99" / 39,620 lbs			
160" centers		280" x 87" x 83" / 36,120 lbs		280" x 87" x 91" / 39,620 lbs		280" x 87" x 99" / 43,120 lbs			
200" centers		320" x 87" x 83" / 39,620 lbs		320" x 87" x 91" / 43,120 lbs		320" x 87" x 99" / 46,620 lbs			
240" centers		360" x 87" x 83" / 43,120 lbs		360" x 87" x 91" / 46,620 lbs		360" x 87" x 99" / 50,120 lbs			
280" centers		400" x 87" x 83" / 46,620 lbs		400" x 87" x 91" / 50,120 lbs		400" x 87" x 99" / 53,620 lbs			
320" centers		440" x 87" x 83" / 50,120 lbs		440" x 87" x 91" / 53,620 lbs		440" x 87" x 99" / 57,120 lbs			
360" centers		480" x 87" x 83" / 54,220 lbs		480" x 87" x 91" / 57,720 lbs		480" x 87" x 99" / 61,620 lbs			

**WARRANTY:** A copy of Summit Machine Tool LLC'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.

02/2020

### SUMMIT MACHINE TOOL LLC

518 N Indiana Ave • Oklahoma City, OK 73106

**MAIN 405.235.2075**

**FAX 405.232.5169**



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

**[WWW.SUMMITMACHINETOOL.COM](http://WWW.SUMMITMACHINETOOL.COM)**