

SUMMIT
MACHINE TOOL LLC



BIG SWING HOLLOW SPINDLE LATHES

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

SUMMIT BIG SWING HOLLOW SPINDLE LATHES

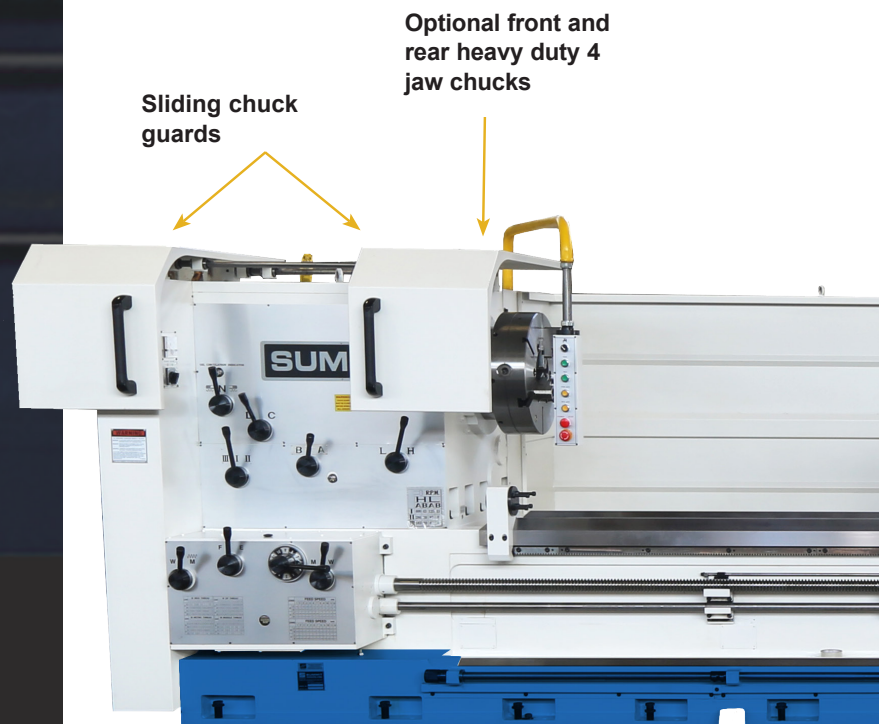
Designed to provide the precision and rugged reliability required for today's demanding applications, we are proud to offer the newly redesigned **Summit®** 47", 55", 63" Series Big Swing Hollow Spindle Lathes.

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, and hardened and precision ground bedways. A semi-automatic threading device (optional on some models), front and rear chucks, and many more options are also available.



Heavy Duty Carriage shown with optional digital readout

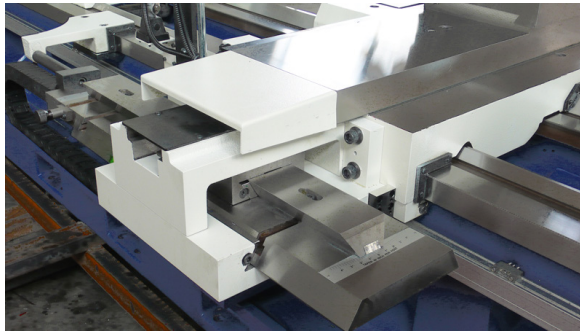


Optional front and rear 4 jaw chuck

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



Extended Length Taper Attachment Included



INCLUDED ACCESSORIES

- Steay 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

- Quick change tool post with holders
- Electronic digital readouts
- Wide range of workholding devices

Work light



DIMENSIONS AND SPECIFICATIONS

BIG SWING HOLLOW SPINDLE LATHES



HOLLOW SPINDLE LATHES

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	38,500 lbs / 17,500 kg
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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)
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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.

12/2018

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