

**SUMMIT**  
MACHINE TOOL LLC



**PRECISION METAL LATHES**

**18" AND 20" SWINGS**

# DIMENSIONS AND SPECIFICATIONS

## 8-3 & 20-4 PRECISION METAL LATHES



SPECIFICATIONS	18-3	20-4
<b>CAPACITIES</b>		
Swing Over Bed	18 1/4"	20"
Swing Over Cross Slide	11 1/4"	13 1/4"
Swing In Gap	28"	30"
Length of Gap	4 1/4"	4 1/4"
<b>HEADSTOCK</b>		
Spindle Bore	3 1/8"	4"
Spindle Speeds - number	12	12
Spindle Speeds - range	32 - 1500 RPM	32 - 1500 RPM
Headstock Center	#5 MT	#5 MT
Spindle Nose	D1 - 8 Camlock	D1 - 8 Camlock
<b>FEEDS &amp; THREADS</b>		
Threads per inch - (no.) range	(45) 2 - 72 TPI	(45) 2 - 72 TPI
Metric Threads - (no.) range	(42) .2 - 14	(42) .2 - 14
Longitudinal Feeds - (no.) range	(32) .002" - .0400 IPR	(32) .002" - .0400 IPR
Cross Feeds - (no.) range	(32) .001" - .0200 IPR	(32) .001" - .0200 IPR
Leadscrew - (diameter) range	(1 3/8") 4 TPI	(1 3/8") 4 TPI
<b>CARRIAGE &amp; APRON</b>		
Cross Slide Travel	11 1/2"	11 1/2"
Compound Travel	5"	5"
<b>TAPER ATTACHMENT</b>		
Degrees of Taper	+/- 10 degrees	+/- 10 degrees
Length of Taper Per Setting	16"	16"
<b>BED</b>		
Width of Bed	13"	13"
Bed Way Hardness (Rockwell C)	44 - 50	44 - 50
<b>TAILSTOCK</b>		
Travel of Spindle Barrel	6"	6"
Diameter of Spindle Barrel	3"	3"
Taper of Center	#5 MT	#5 MT
<b>MOTORS</b>		
Spindle motor	10 HP	10 HP
Coolant Pump	1/8 HP	1/8 HP
<b>MISCELANEOUS</b>		
Width x Height	44" x 63"	
Length x Weight - 40"	94"/4730 lbs.	94"/4930 lbs.
Length x Weight - 60"	114"/5390 lbs.	114"/5590 lbs.
Length x Weight - 80"	134"/6600 lbs.	134"/6800 lbs.



### INCLUDED ACCESSORIES

- 3 Jaw Chuck
- 4 Jaw Chuck
- Steady Rest
- Follow Rest
- Full Length Splash Guard
- Halogen Work Light
- Taper Attachment
- Coolant System
- Thread Dial
- 4 Position Carriage Stop

### STANDARD FEATURES

- Inch and Metric Threading
- Hardened & Precision Ground Bedways
- Removable Gap
- T-slotted Compound
- All Cast Iron Construction
- Dual Voltage - 220/440 volt/ 3 phase/60 Hz
- Two Speed Tailstock
- Four Way Rapid Traverse

**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.

## SUMMIT MACHINE TOOL LLC

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

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