

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



# **Heavy Duty Big Swing Lathes**

**35"  
42"  
52"**

# Dimensions and Specifications

## Heavy Duty Big Swing Lathes 35", 42", 52"



### SPECIFICATIONS

MODELS	35	42	52	35 VS	42 VS	52 VS
Swing over bed	35"/890mm	42.9"/1090mm	51.9"/1320mm	35"/890mm	42.9"/1090mm	51.9"/1320mm
Swing over cross slide	19.6"/500mm	27.5"/700mm	37.4"/950mm	19.6"/500mm	27.5"/700mm	37.4"/950mm
Swing in gap	41.7"/1060mm	49.6"/1260mm	59.4"/1510mm	41.7"/1060mm	49.6"/1260mm	59.4"/1510mm
Width of bed	27.5"/700mm					
Spindle bore	6.1"/155mm					
Spindle nose	A2 - 15					
Spindle speeds, number	24			Infinitely variable (4 ranges)		
Spindle speeds, range	6.3 - 1250			2.6 - 700		
Feeds, number	160					
Longitudinal feeds, range	.0013" - 1.53" IPR/.032 - 38.9mm/rev					
Cross feeds, range	.0006" - .7657" IPR/.016 - 19.45 mm/rev					
Threads number	80					
Inch threads, range	1/16 to 60					
Metric threads, range	.5 - 480					
Cross slide travel	19.6"/500mm		26.9"/685mm		19.6"/500mm	26.9"/685mm
Compound travel	10.6"/270mm					
Tailstock quill diameter	4.9"/125mm					
Tailstock quill taper	#6 MT					
Tailstock quill travel	9.8"/250mm					
Horsepower	30 HP/22 kw			40 HP/30 kw		

### WEIGHT

60"/1500mm	15,400 lbs./6,990 kg	17,100 lbs./7,740 kg	18,200 lbs./8,240 kg	15,400 lbs./6,990 kg	17,100 lbs./7,740 kg	18,200 lbs./8,240 kg
120"/3000mm	19,100 lbs./8,650 kg	20,800 lbs./9,450 kg	21,800 lbs./9,900 kg	19,100 lbs./8,650 kg	20,800 lbs./9,450 kg	21,800 lbs./9,900 kg
160"/4000mm	21,500 lbs./9,750 kg	23,300 lbs./10,550 kg	24,200 lbs./11,000 kg	21,500 lbs./9,750 kg	23,300 lbs./10,550 kg	24,200 lbs./11,000 kg
200"/5000mm	25,000 lbs./11,350 kg	26,800 lbs./12,150 kg	27,800 lbs./12,600 kg	25,000 lbs./11,350 kg	26,800 lbs./12,150 kg	27,800 lbs./12,600 kg
240"/6000mm	27,700 lbs./12,550 kg	29,200 lbs./13,250 kg	30,200 lbs./13,700 kg	27,700 lbs./12,550 kg	29,200 lbs./13,250 kg	30,200 lbs./13,700 kg

### INCLUDED ACCESSORIES

- Steady rest
- Follow rest
- Thread dial
- Coolant system
- Taper attachment
- 3 jaw chuck
- 4 jaw chuck
- Carriage stop
- Work light
- Full length splash guard
- Service wrenches and spanners

### STANDARD FEATURES

- Big 6 1/8" thru hole
- Inch/metric threads with single switch lever
- Cuts most inch/metric threads without change gears
- Hardened and ground bedways
- Forced lubrication to the headstock, carriage and bedways
- Mechanical disc clutch
- Removable gap
- Precision (3) bearing spindle
- Crossfeed and threading safety interlock

- Feed reversing at the apron
- 6-way rapid traverse
- Single lever control for feeds and rapids
- Powered tailstock movement
- Power compound

### OPTIONS

- Dorian super quick change tool post with holders
- Fagor 2 axis digital readout installed

### ELECTRICS

- 220/440/360

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



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.

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

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