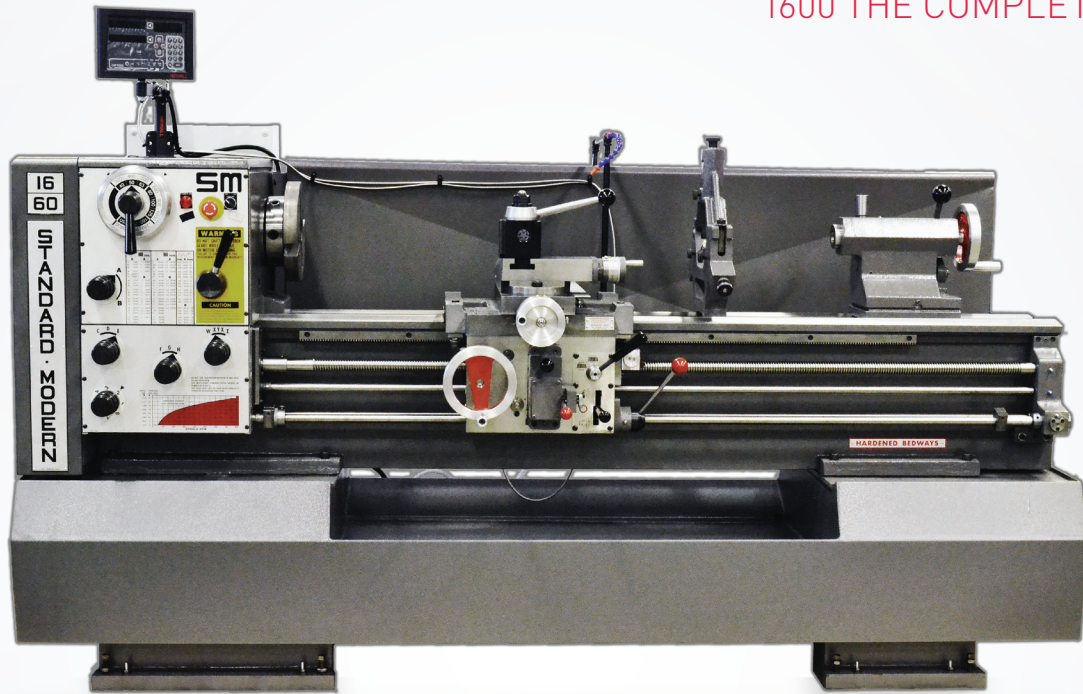




www.standardmodernlathes.com
Manufactured by Racer Machinery International Inc.

16" SWING INCH-METRIC

1600 THE COMPLETE LATHE



*Model shown includes optional accessories

The model 1600 is one of a new, modern generation of standard engine and toolroom lathes, designed to produce space-age parts with space-age tools. The lathe is designed and built in North America and is ideally suited for toolroom maintenance, production

and all turning jobs in your shop.

Standard Modern™ lathes have gained a wide reputation for quality and reliability. Now with more versatility they are the complete lathes.

FEATURES

- » CAPACITY: 16" DIA. SWING—40", 60", 100" BETWEEN CENTRES
- » 10 H.P CONTINUOUS DUTY
- » 18 SPINDLE SPEEDS 40 TO 2000 RPM
- » D1-6" CAMLOCK—3 BEARING SPINDLE
- » INCH-METRIC FEED BOX—SWITCHABLE
- » SUPER STIFF BED—READY FOR FUTURE TOOLS
- » LEADSCREW REVERSE—STANDARD
- » METRIC THREADING WITHOUT SPINDLE REVERSE

2 YEAR LIMITED WARRANTY



MACHINE

Swing over bed and saddle	17 in. (430 mm)
Swing over cross-slide	10 in. (250 mm)
Distance between centers	40, 60, 100 in.
Main drive motor	10 H.P (5.6 K.W)
Bar capacity	2.0 in. (50.8 mm)

HEADSTOCK

Spindle speeds	18
Geometric speed range	40-2000 RPM
Spindle nose - camlock	D1-6"
Spindle hole	2.06" (52.4 mm)
Spindle center	#4 M.T

FEEDBOX - COMBINATION

Feed & thread selections	66
Inch feed range	.0015- .105 in./rev.
Inch thread range	2 to 127 TPI
Metric feed range	.04 to 2.67 mm/rev.
Metric lead range (threads)	.2 to 14 mm

APRON

Handwheel - one revolution	1.000 in. (25.4 mm)
Half nuts	Double
High speed threading to	800 RPM
Repeatability of auto carriage stop	+/- .005 in. (+/- .13 mm)
Feed torque control	Variable

BED & BASE

Bed width	11 in. (280 mm)
Bed depth	15 in. (380 mm)
Bed length	76, 96 & 136 in. (1930, 2440 & 3455 mm)
Base width	31 in. (790 mm)
Base length	104 in. (2630 mm)

CARRIAGE CROSS-SLIDE

Carriage length on bed	18.25 in. (465 mm)
Carriage bridge width	8.5 in. (215 mm)
Cross-slide length	20 in. (508 mm)
Cross-slide travel	8.5 in. (215 mm)
Compound travel	3.8 in. (96 mm)
Direct reading dial graduation	.001 in. (.02 mm)

TAILSTOCK

Quill diameter	2.44 in. (62 mm)
Quill travel	5 in. (127 mm)
Morse taper with tang	#4 M.T
Offset	+/- .75 in. (+/- 19 mm)

SHIPPING DATA

1660 - Gross weight (approx.)	3050 lbs. (1386 kg)
Crate size (approx.)	36"W x 108"L x 60"H



SPECIFICATIONS

- » Electric brake - self actuating
- » All hardened gears - no clutches
- » Direct reading speed dial
- » Deep bed design
- » Full length rear splash guard
- » Hardened quill with tang drive
- » Convenient Hi-Lo neutral shifter
- » Complete range of inch and metric threads - switchable
- » No transposing gears
- » Feed reverse
- » Leadscrew reverse
- » Chip clean out - front and rear
- » Bi-direction auto carriage stop (feeds and threads)
- » Combination Inch-metric dials
- » Nitrided screw - anti-backlash nuts
- » Standard 115V electric controls (208, 230/460 or 575 volt supply)



OPTIONAL ACCESSORIES

- » Telescopic taper attachment - +/- 10 deg. x 12" (305 mm) stroke
- » Steady rest - 6" (150 mm) dia. plain or roller
- » Follower rest - 2.5" (63 mm) dia. plain or roller
- » Large toolmakers faceplate - 15" (380 mm) dia.
- » Digital readout (factory installed)
- » 3 & 4 jaw and collet chucks
- » Turret toolpost
- » Micrometer carriage stop - inch or metric
- » Live centers
- » Coolant systems
- » Please inquire about any other options