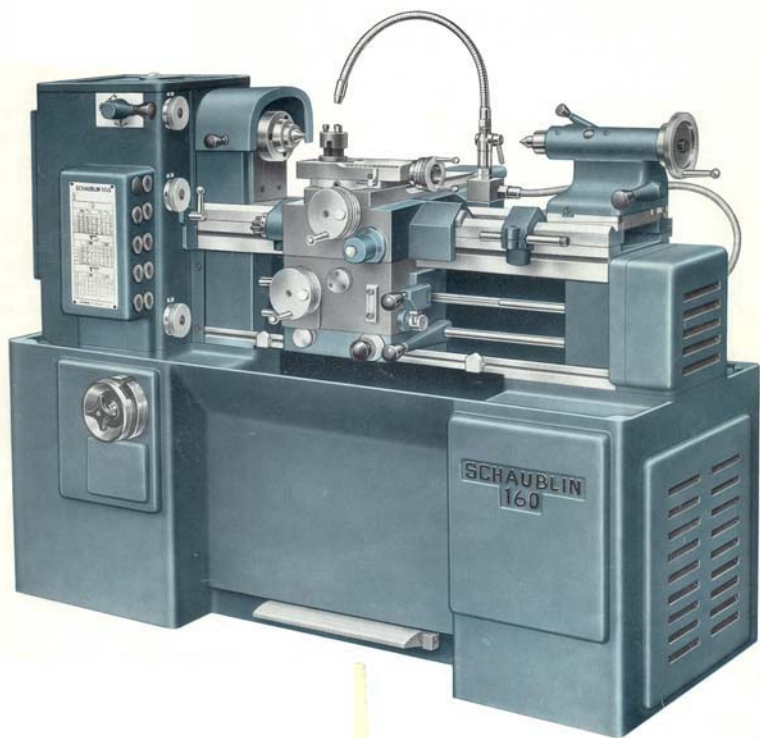


SCHAUBLIN 160



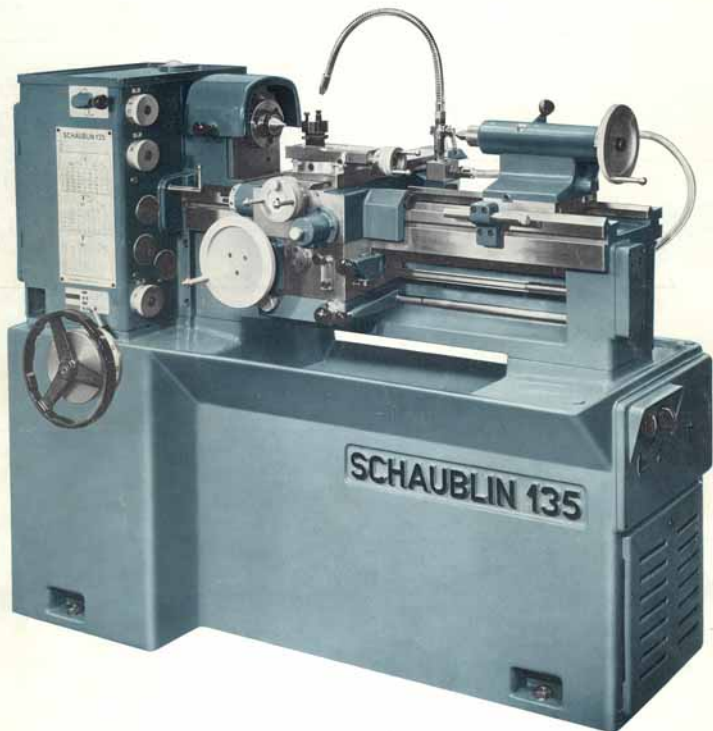
ANOTHER LEADSCREW LATHE OF OUR MANUFACTURING PROGRAMME

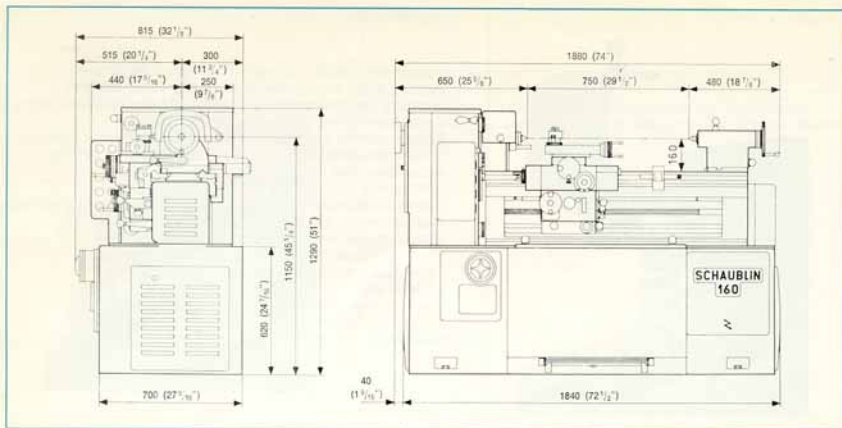
SCHAUBLIN 135 HIGH PRECISION LEADSCREW LATHE

Spindle speeds, infinitely-variable 45 to 3000 rpm.
Spindle bore dia. 40 mm ($1\frac{37}{64}$ "").
Steel bed guiding ways hardened and ground.
Leadscrew with recirculating ball nuts, hardened, with ground threads, concealed and fully protected.
Multiple precision stops for the transversal and longitudinal movements.
Possibility of aligning the headstock parallel with the bed ways and adjusting the tailstock vertically and transversely.
Electromagnetic spindle brake.

STANDARD EQUIPMENT

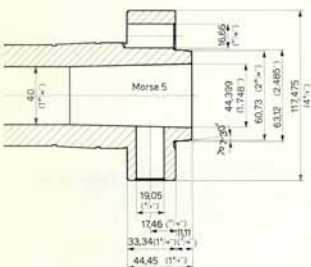
Bed with leadscrew.
Feed and threading box.
Headstock with male centre tipped with tungsten carbide, reduction bush Morse taper No. 5/B32, hand spanner, carrier driving pin.
Carriage apron with two-screw tool post.
Screw-operated tailstock with male centre tipped with tungsten carbide, with handwheel.
Base with metal guard and electrical control cabinet.
Two-speed motor 750/3000 rpm., power 2/4 HP.
Coolant system.
Spindle speed variator.
Stationary hinged steady.
Travelling steady.





Specifications

Height of centres	160 mm (6 1/4")
Distance between centres	750 mm (29 1/2")
Swing over bed	375 mm (14 3/4")
Swing over carriage	180 mm (7")
Headstock	
Spindle speeds, infinitely variable	38 to 3000 rpm.
Spindle speeds, with open belt drive	190 to 3000 rpm.
Spindle speeds, with reduction gears	38 to 600 rpm.
Spindle nose	Camlock D 1-4"
Spindle bore dia.	40 mm (1 3/4")
Internal spindle taper	Morse No. 5
Reduction bush for collet	B 32
Bar capacity with collet	24 mm (1 1/8")



Bed

Height x width x length	360 x 320 x 1465 mm (14 1/8" x 12 5/8" x 57 1/2")
-------------------------	--

Tailstock

Spindle diameter	50 mm (1 31/32")
Internal spindle taper	Morse No. 3
Spindle stroke	120 mm (4 3/4")

Transversal adjustment ± 10 mm ($\pm .4$ ")

Feed and threading box

Number of Metric pitches	48
Pitches	25 to 17.5 mm
Number of English pitches	48
Pitches	72 to 1 t.p.i.
Number of module pitches	48
Modules	25 to 8
Number of longitudinal and transversal feeds per revolution of spindle	
24 fine feeds	.015 to .21 mm (.0006 to .0008")
24 feeds	.025 to .35 mm (.001 to .014")

Carriage

Travel along bed	750 mm (29 1/2")
Tool slide, width x length	110 x 270 mm (4 1/8" x 10 5/8")
Traverse	120 mm (4 3/4")
Height of centres above slide	32 mm (1 1/4")
Dimensions of tools	20 x 20 mm (3/4" x 3/4")
Cross slide, width x length	165 x 470 mm (6 1/2" x 18 1/2")
Traverse	220 mm (8 5/8")
Carriage body, guiding length on bed	450 mm (17 3/4")
Rapid longitudinal traverse	3.5 m/min. (140 ft/min.)

Steadies

Bar capacity in stationary steady	dia. 4 to 125 mm (.157" to 4.92")
Bar capacity in travelling steady	dia. 4 to 115 mm (.157" to 4.52")

Coolant system

Tank capacity	65 liters (14 1/2 galls.)
---------------	---------------------------

Motor

Speeds	750/3000 rpm.
Power	3/6 HP

Weights

Net weight with standard equipment	1950 kg (4300 lbs.)
Gross weight with standard equipment	2200 kg (4850 lbs.)