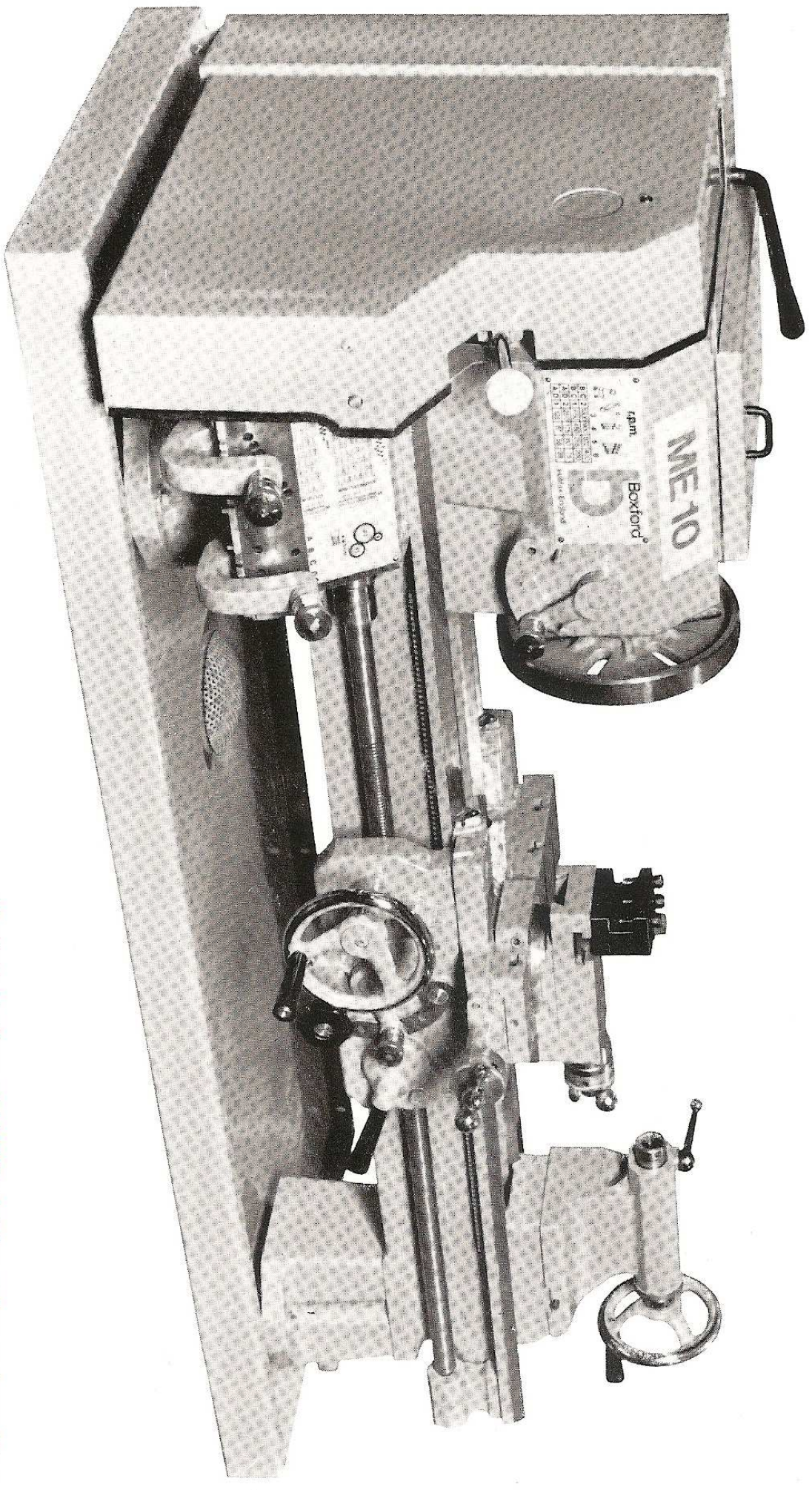


Boxford

model ME10
10" swing lathe



Illustrated is the model ME10, clutch, gearbox, and swarf tray are fitted as optional extras.

Boxford ME10 lathe

SPECIFICATION

| Metric | Imperial |
|---|---|
| Machine | Machine |
| 127 mm | 5" |
| Centre height | |
| Distance between centres | 560 or 710 mm |
| Bed length | 1065 or 1220 mm |
| Swing over bed | 254 mm |
| Swing over saddle | |
| wings | 247 mm |
| Swing over cross slide | 149 mm |
| Centre height above tool slide | 25 mm |
| Number of spindle speeds | 16 |
| Speed range* (50 cycles) | (1420 r.p.m. $\frac{3}{4}$ h.p. motor) 60-2100 |
| Spindle nose diameter | 38.1 mm $1\frac{1}{2}$ " |
| Spindle nose thread | 8 T.P.I. Whit. form |
| Spindle bored to pass | 20 mm $\frac{3}{4}$ " |
| Spindle internal taper | No. 3 morse |
| Spindle and Tail-stock centres | No. 2 morse |
| Tailstock travel | 54 mm $2\frac{1}{8}$ " |
| Tailstock set over | 8 mm $\frac{5}{16}$ " |
| Cross slide travel | 150 mm 6" |
| Tool slide travel | 66 mm $2\frac{5}{8}$ " |
| Leadscrew thread | 3 mm Trapezoidal 8 T.P.I. Acme |
| *Alternative speed range of r.p.m. motor and special pulleys. | 38-1300 r.p.m. with 950 r.p.m. motor and special pulleys. |
| Range of Threads | |
| with Gearbox (35) 0.2-7.0 mm (52) 0.2-7.5 mm | (45) 4-160 T.P.I. (48) 4-224 T.P.I. |
| Longitudinal Feeds | |
| with Gearbox (18) 0.05-0.397 mm (32) 0.07-1.08 mm | (26) .0021-.0155" (48) .0015-.0853" |

Cross Feeds

| | |
|--|----------------|
| with Gearbox (18) 0.014-0.115 mm (23) .001-.0046" (32) 0.02-0.3 mm (48) .0004-.0252" | |
| Weight (22" centres) | 141 kgs 310lbs |
| Weight packed for shipment | 200 kgs 440lbs |
| N.B. Machines can be supplied for either the Imperial (English) or Metric Systems. | |

THE BED rigidly constructed from close grained cast iron, precision machined having three vees and one flat.

THE HEADSTOCK provides 16 spindle speeds. Direct vee belt drive gives the 8 higher speeds whilst the 8 lower speeds are obtained by engagement of the back gear. The spindle is mounted on opposed pre-loaded Timken Taper Roller bearings with provision for easy adjustment. A lever operated clutch can be fitted as an optional extra, providing smooth starting and inching.

THE LONGITUDINAL AND CROSS SLIDE power feeds are through a friction clutch in the apron with the drive from the combined leadscrew and feedshaft. The threads of the leadscrew are used only for screw-cutting and engagement of the half-nuts is by a conveniently located lever. The cross slide and top slide leadscrews are fitted with ball thrust races and the micrometer dials are friction mounted. The compound rest is graduated through 180° and the top slide is suitable for mounting most types of toolholders, the crossslide is equipped with three T-slots as standard.

THE TAILSTOCK locates on the centre vee and front flat of the lathe bed. It can be 'set-over' for turning slight tapers and has a lever at the rear for quick action locking. The barrel is graduated for control of depth when drilling and is self-ejecting for standard No. 2 Morse shanks.

A NORTON TYPE GEARBOX can be fitted to the Model ME10 to provide quick changes of threads and feeds. Standard models are supplied with change gears to cover a wide range of pitches. Gears for non-standard

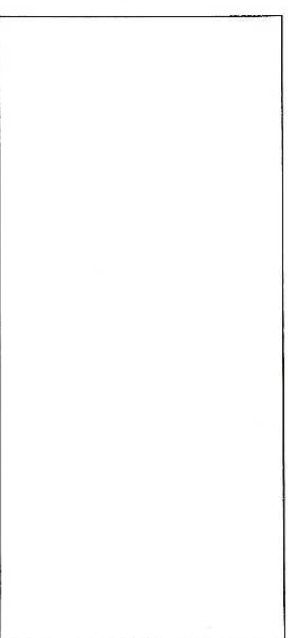
pitches and conversion sets for cutting Metric and English pitches are available.

ELECTRICS Machines ordered without cabinet base are supplied with a reversing switch for customer to fit. Machines ordered with cabinet bases are fitted with a combined reversing switch and mechanically/electrically interlocked panel isolator, mounted on a centrally located hinged panel which is punched to receive additional electrical equipment if required.

THE CABINET BASE is available as extra equipment, rigidly constructed it provides two lockable storage cupboards while the rear centre compartment has a built in coolant tank.

STANDARD EQUIPMENT
Clogheel toolpost, Backplate, Reversing switch, Faceplate, Motor pulley and belt, Two Morse Taper centres, Headstock centre sleeve, Spanners, Allen keys and Instruction Manual. (Motor is fitted as extra equipment).

A wide range of accessories are available to increase the versatility of these machines (see illustrated accessory leaflet on request).



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The makers reserve the right to alter designs, specifications and prices without notice.