COLCHESTER MASCOT 1600

8 1/2 in x 40, 60, 80 or 100 in (215mm x 1, 1.5, 2 or 2.5 m)
COLCHESTER MASCOT 1600

- 16 spindle speeds, 20 - 1600 r.p.m.
- 12.5 h.p. (9.3kw) motor
- 8in D.1 Camlock spindle nose mounting
- Induction hardened and precision ground bed
- Bed lengths 40, 60, 80 or 100in (1, 1.5, 2 or 2.5m) between centres
**Headstock**
- Hardened and Reishauer-ground gears on main transmission
- Multi-plate clutches
- Rapid stopping 'Matrix' brake
- Spindle mounted on Gamet micron precision machine tool spindle bearings guaranteeing roundness accuracy better than 2 microns
- Electromagnetic spindle brake

**Gearbox**
- Totally enclosed Universal gearbox
- Sliding gear principle optimises 'through power' and minimises wear
- Hardened gears and clutches

**Apron**
- Totally enclosed oil bath, double wall apron
- Automatic feed trip
- Feed reverse plunger
- Handwheel disengages for rapid screwcutting

**Saddle and Slides**
- Micrometer dials reading 0.02mm (0.001in) fitted to top and cross slides
- Cross slide nut incorporates backlash eliminator
- Bedway wipers fitted as standard
Specification

Height of Centres
Swing over bed
Swing over cross slide
Spindle bore (max. bar dia.)
Spindle nose mounting
Taper in spindle nose bush
Taper in tailstock barrel
GAP BED MODELS
Swing in gap
Width in front of faceplate
THREADS
No. of Whitworth threads
Range of Whitworth threads
No. of Diametral pitches
Range of Diametral pitches
No. of Metric pitches
Range of Metric pitches
No. of Module pitches
Range of Module pitches

Width of Bedways
Total travel of cross slide
Total travel of top slide
Total travel of tailstock barrel
Number of spindle speeds
Range of spindle speeds
Overall width of machine
Overall height of machine
Drive
Motor

13\(\frac{1}{2}\)in (343mm)
11in (297mm)
6in (152mm)
9in (229mm)
16
20-1600 r.p.m.
42in (1070mm)
52in (1321mm)
12\(\frac{1}{2}\)hp (9.3kw)

STANDARD EQUIPMENT (unless otherwise specified): Slotted toolblock — Driving plate — Centre Bush — Two No. 5 Morse Taper centres — Thread indicator — Electrical equipment for standard 3 phase 50 cycle A.C. supply, 110v control — Set of spanners and keys — Electric coolant pump, tank and fittings — Splash guard — Instruction and spare parts manual — Accuracy chart — 315mm 3 Jaw Chuck — 405mm 4 Jaw Chuck — Emergency Stop Button — Lockable isolator switch — One shot saddle lubrication — Spindle Brake — Chuck guard.

Models available

<table>
<thead>
<tr>
<th>Code Word</th>
<th>Bed Type</th>
<th>Distance between Centres</th>
<th>Overall Length of Machine</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MASCOT 1600 40-straight</td>
<td>straight</td>
<td>40in</td>
<td>98in</td>
<td>4960lb</td>
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<tr>
<td>MASCOT 1600 40-gap</td>
<td>gap</td>
<td>1000mm</td>
<td>2620mm</td>
<td>2130kg</td>
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<tr>
<td>MASCOT 1600 60-straight</td>
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<td>60in</td>
<td>116in</td>
<td>5200lb</td>
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<tr>
<td>MASCOT 1600 60-gap</td>
<td>gap</td>
<td>1500mm</td>
<td>3030mm</td>
<td>2260kg</td>
</tr>
<tr>
<td>MASCOT 1600 80-straight</td>
<td>straight</td>
<td>80in</td>
<td>138in</td>
<td>5330lb</td>
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<tr>
<td>MASCOT 1600 80-gap</td>
<td>gap</td>
<td>2000mm</td>
<td>3635mm</td>
<td>2430kg</td>
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<tr>
<td>MASCOT 1600 100-straight</td>
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<td>100in</td>
<td>158in</td>
<td>5030lb</td>
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<tr>
<td>MASCOT 1600 100-gap</td>
<td>gap</td>
<td>2500mm</td>
<td>4045mm</td>
<td>2690kg</td>
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</tbody>
</table>

PRODUCT CODE
Each model is available in the following versions:

STANDARD
With English pitch lead screw; dial graduations in inches.

METRIC
With Metric pitch lead screw; dial graduations in millimetres.

For increased versatility, use COLCHESTER ACCESSORIES

Finish cut hydraulic profiling attachment
High speed threading attachment
Teleoscopic taper turning attachment
Dual Reading Dials
TOOLPOSTS: Four way
Automatic indexing or Quick change
REAR TOOLPOSTS: Standard or Quick change
Steady BEDSTOPS: Single, Five position
Longitudinal or Micrometer type GMT
Rotating centre Face plates, 20in dia or 27in dia (for gap bed lathe) Chip guard
Low volt lighting unit

Illustrations and Specifications are not binding in detail. The designs are subject to modifications and improvements without notice.
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Colchester
The Colchester Lathe Company Ltd

Elmstead Road, Colchester
Essex CO4 3SE, England
Telephone: 0206 865761
Telex: 98255 (Lathes G)
Fax: 0206 868026

www.OzarkToolManuals.com