

## Product Brochure For L580D

### Centre Lathe - CL-48

470 x 1000mm Turning Capacity

Includes Digital Readout System, Quick Change Toolpost & Taper Turning Attachment



|                                                 |                   |
|-------------------------------------------------|-------------------|
| ORDER CODE:                                     | L580D             |
| MODEL:                                          | CL-48             |
| Swing Over Bed (mm):                            | 470               |
| Distance Between Centres (mm):                  | 1000              |
| Spindle Bore (mm):                              | 80                |
| Swing In Gap (mm):                              | 700               |
| Swing Over Cross-slide (mm):                    | 280               |
| Digital Readout System Fitted:                  | Yes               |
| Quick Change Toolpost Fitted:                   | Yes               |
| Leadscrew Covers Fitted:                        | ~                 |
| Taper Turning Attachment:                       | Yes               |
| Coolant System:                                 | Yes               |
| Tool Height To Suit (mm):                       | 25                |
| Centre Height (mm):                             | 235               |
| Spindle Nose Size or Type:                      | D1-8 Camlock      |
| Bed Width (mm):                                 | 340               |
| Headstock Spindle Taper (MT):                   | 7                 |
| Tailstock Taper (MT):                           | 4                 |
| Cross Slide Travel (mm):                        | 220               |
| Compound Slide Travel (mm):                     | 120               |
| Leadscrew Type:                                 | Metric            |
| Metric Cross Feed (X-Axis) (mm/rev):            | 0.02 - 1.21       |
| Imperial Cross Feed (X-Axis) (inch/rev):        | ~                 |
| Metric Longitudinal Feed (Z-Axis) (mm/rev):     | 0.030 - 1.66      |
| Imperial Longitudinal Feed (Z-Axis) (inch/rev): | ~                 |
| Metric Thread Steps & Pitch (No. / mm):         | 41 (0.1 - 14)     |
| Imperial Thread Steps & TPI (No. / TPI):        | 60 (3, 1/2 - 112) |
| 3 Jaw Chuck Diameter (mm):                      | 250               |
| 4 Jaw Chuck Diameter (mm):                      | 320               |
| Spindle Steps / Speeds (No. / rpm):             | 12 (40 - 1600)    |
| Motor Power (kW / hp):                          | 5.5 / 7.5         |
| Voltage / Amperage (V / amp):                   | 415               |
| Nett Weight (kg):                               | 2250              |

### Features

- 2 axis digital readout system
- Quick change toolpost
- Taper turning attachment fitted to saddle
- Adjustable taper roller bearings providing spindle accuracy
- Precision 'V'-beds & headstock gears are all hardened & ground
- One piece cast iron base increases rigidity
- Overload protection on drive motor and coolant system
- Universal enclosed gearbox incorporating metric & imperial thread capabilities
- Inching button incorporated on the control panel for convenient spindle speed selection
- Foot operated spindle brake with safety cut out switch
- 340mm wide induction hardened heavy duty cast iron bed
- Removable gap bed allowing work piece to swing up to 700mm
- Powered longitudinal and cross feeds
- Chuck guard with safety switch
- Adjustable 5 position length-stop mechanism for accurate repetitive operation
- Dual calibrated dials incorporating metric & imperial graduations
- Coolant system with flexible hose enabling operator to manipulate flow direction
- Oil sight glass for head stock and gearbox
- Low voltage halogen work light
- D1-8 camlock spindle for quick chuck removal
- 12 spindle speeds from 40-1600rpm
- Large 80mm spindle bore

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- 5.5kW / 7.5HP 415V main motor

### Includes

- 2 axis digital readout system
- Quick change toolpost
- Taper turning attachment fitted to saddle
- 250mm 3-jaw chuck with reverse jaws
- 320mm 4-jaw chuck
- Faceplate
- Fixed Steady
- Travelling steady
- Dead centres
- Thread chasing dial
- Foot brake
- Coolant system
- Work light
- Rear splash guard
- Spindle reducing bush

### Specific Features



Safety Chuck Guard



Dual calibrated dial on Handle



Thread Chasing Dial



Induction Hardened bedways



Headstock controls



Taper Turning Attachment



2 Axis digital readout system

| LEVER |      |
|-------|------|
| CEH   | 1600 |
| AEH   | 1150 |
| BEH   | 820  |
| CEL   | 585  |
| AEL   | 420  |
| BEL   | 300  |
| CDH   | 215  |
| ADH   | 155  |
| BDH   | 110  |
| CDL   | 78   |
| ADL   | 56   |
| BDL   | 40   |

Spindle Speeds

## Product Brochure For L580D

### Recommended Accessories

#### L453

Lathe Turning Tool Kit - 3 piece  
 Insert Type



#### L459

Lathe Threading Tool Kit - Insert  
 Type



#### L467

Professional Lathe Parting Tool  
 Kit - Insert Type



#### L294

Quick Change Toolpost



#### L294A

Quick Change Toolpost Holder -  
 Std



#### C054

4MT Live Centre



#### D1272

Metric 135° Precision HSS Drill  
 Set - 25 Piece



#### D1282

Imperial 135° Precision HSS  
 Drill Set - 29 Piece



## Product Brochure For L580D

**D126**

Metric 135° Precision HSS Drill Set - 170 Pieces



**C294**

Industrial Drill Chuck - Keyless Type



**D454A**

4MT x JT3 Drill Chuck Arbor



**D119**

Metric 2MT HSS Drill Set



**D424**

Drill Sleeve - Morse Taper



**D422**

Drill Sleeve - Morse Taper



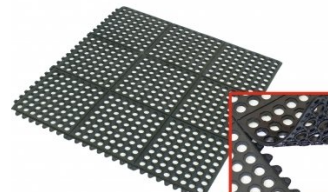
**M800**

Rubber Mat - Anti-Fatigue



**M805**

Rubber Mat - Anti-Fatigue



**S090A**

Soluble Metal Cutting Fluid - 1 Litre



**S090**

Soluble Metal Cutting Fluid - 5 Litre



**S076**

Cutting Tool Lubricant Fluid - 500ml



**S077**

Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



Product Brochure For L580D

S075

Cutting Tool Lubricant Paste -  
200g



S074

Cutting Tool Lubricant Paste -  
500g



O000

SpillFix Universal Organic  
Absorbent



O043

Rust & Corrosion Preventive



O042

General Purpose Lubricant &  
Corrosion Inhibitor



O040

Rust & Corrosion Preventive



O044

Rust & Corrosion Preventive

