

Product Brochure For L605D

Centre Lathe - CL-60B

Ø460 x 1500mm Turning Capacity - Ø80mm Spindle Bore
Includes Digital Readout System, Quick Change Toolpost & Taper Turning Attachment



ORDER CODE:	L605D
MODEL:	CL-60B
Swing Over Bed (mm):	460
Distance Between Centres (mm):	1500
Spindle Bore (mm):	80
Swing In Gap (mm):	690
Swing Over Cross-slide (mm):	270
Digital Readout System Fitted:	Yes
Quick Change Toolpost Fitted:	Yes
Leadscrew Covers Fitted:	Yes
Taper Turning Attachment:	Yes
Coolant System:	Yes
Tool Height To Suit (mm):	25
Centre Height (mm):	230
Spindle Nose Size or Type:	D1-8 Camlock
Bed Width (mm):	300
Headstock Spindle Taper (MT):	7
Tailstock Taper (MT):	4
Cross Slide Travel (mm):	290
Compound Slide Travel (mm):	140
Leadscrew Type:	Metric
Metric Cross Feed (X-Axis) (mm/rev):	0.014 - 0.784
Imperial Cross Feed (X-Axis) (inch/rev):	~
Metric Longitudinal Feed (Z-Axis) (mm/rev):	0.031 - 1.70
Imperial Longitudinal Feed (Z-Axis) (inch/rev):	~
Metric Thread Steps & Pitch (No. / mm):	41 (0.1 - 14)
Imperial Thread Steps & TPI (No. / TPI):	60 (2 - 112)
3 Jaw Chuck Diameter (mm):	250
4 Jaw Chuck Diameter (mm):	320
Spindle Steps / Speeds (No. / rpm):	12 (25 - 1700)
Motor Power (kW / hp):	5.5 / 7.5
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	2150

Features

- 2 Axis digital readout system
- Quick change toolpost
- Taper turning attachment fitted to saddle
- Triple bearings supporting headstock spindle
- 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
- 300mm wide induction hardened heavy duty cast iron bed
- Removable gap bed allowing work piece to swing up to 690mm
- Chuck guard fitted with safety micro switch
- Powered longitudinal and cross feeds
- Adjustable 4 position length-stop mechanism for accurate repetitive operation
- Micro adjustable saddle stop
- 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
- Lubrication pump on saddle oiling slides

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- D1-8 camlock spindle for quick chuck removal
- 12 spindle speeds from 25-1700rpm
- Large 80mm spindle bore
- 5.5kW / 7.5HP 415V main motor

Includes

- 2 Axis digital readout system
- Taper turning attachment
- Quick change toolpost
- Concertina leadscrew covers
- 250mm 3-jaw chuck with reverse jaws
- 320mm 4-jaw chuck
- 400mm face plate
- Fixed steady with roller bearings
- Travelling steady with brass guides
- Dead centres
- Thread chasing dial
- Foot brake
- Coolant system
- Work light
- Rear splash guard
- Spindle reducing bush

Specific Features



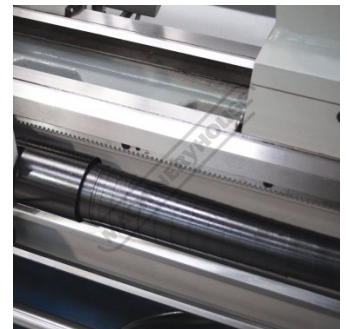
Left View



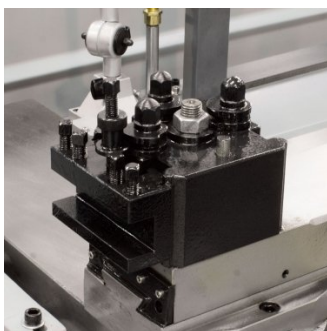
Front View



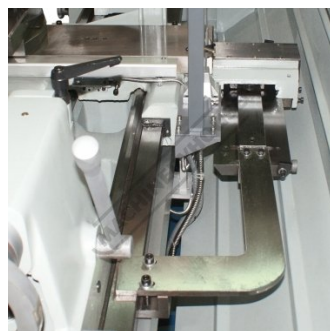
Digital Readout



Leadscrew Covers



Quick Change Toolpost



Taper Turning Attachment

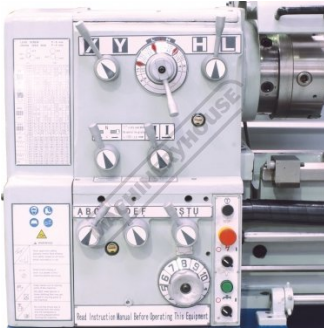


Taper Turning Attachment Scale

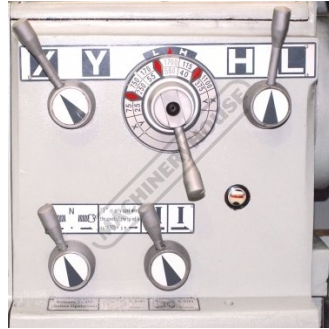


Foot Brake

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Headstock



Speed Selection Levers



Speed Selector Lever



Feed Selection Levers

LEAD SCREW CROSS FEED ROD		P = 6 mm	
		P = 4 mm	
54T	55T	56T	
49T	56T	64T	40T
(V)		(VV)	
LEVER	1 2 3 4 5 6 7 8 9 10		
II CFS	0.1 0.25 0.3 0.35		
II CES	0.2 0.25 0.3 0.35		
II CES	0.4 0.45 0.5 0.55		
II CEU	0.5 0.55 0.6 0.65 0.7		
I CFS	0.5 0.55		
I CDU	1 1.25 1.5 1.75		
I CRU	2 2.25 2.5 2.75 3 3.25 3.5		
I CDU	4 4.5 5 5.5 6 6.5 7		
I CDU	8 9 10 11 12 13 14		
I AFR	54 72 76 80 88 92 96 104 108 112		
I BFR	32 36 38 40 44 48 50 54 56		
I AFR	18 18 19 20 22 23 24 25 27 28		
I AFR	8 9 9.5 10 11 11.5 12 13 13.5 14		
I AFR	4 4.5 4.5 5 5.5 5.5 6 6.5 6.5 7		
I BFR	2 2.5 2.5 2.5 2.5 2.5 3 3.5 3.5 3.5		

Metric & Imperial Thread Chart

LEAD SCREW CROSS FEED ROD		P = 6 mm	
		P = 4 mm	
54T	55T	56T	
49T	56T	64T	40T
(V)		(VV)	
LEVER	1 2 3 4 5 6 7 8 9 10		
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Thread Charts

LEAD SCREW CROSS FEED ROD		P = 6 mm	
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54T	55T	56T	
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(V)		(VV)	
LEVER	1 2 3 4 5 6 7 8 9 10		
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I CDU	8 9 10 11 12 13 14		
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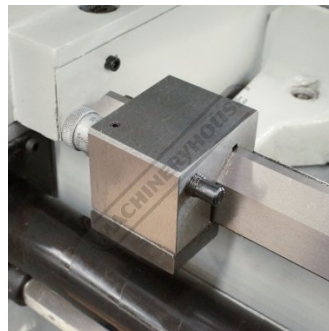
Feed Chart



Chuck Guard



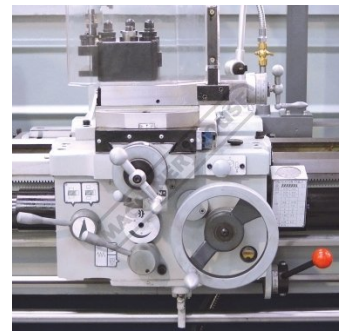
Removable Gap Bed Way



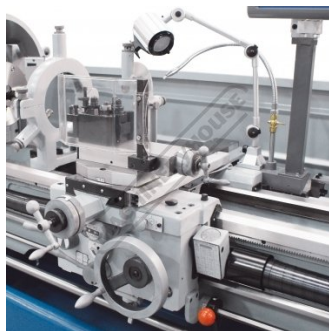
Saddle Stop



Saddle Left View



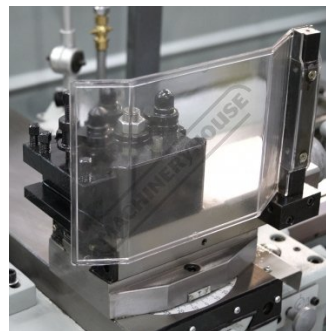
Saddle Front View



Saddle Right View



Light Collant Nozzle

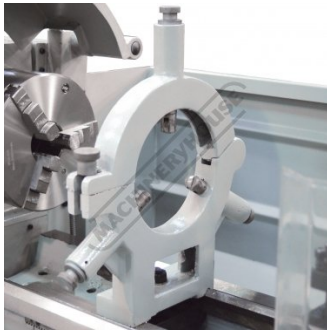


Quick Change Toolpost Guard



2 Point Travelling Steady

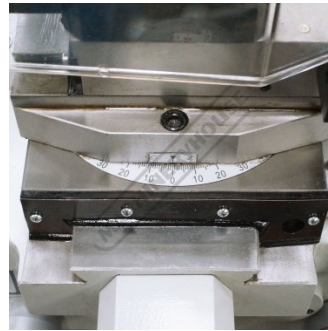
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3 Point Fixed Steady



Feed and Threading Engagement Levers



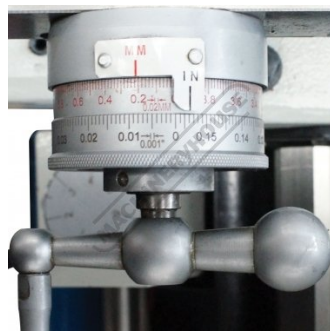
Swivel Compound Slide



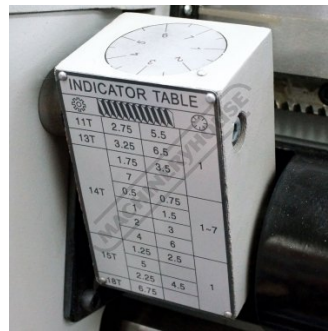
Cross Feed Dial Graduations



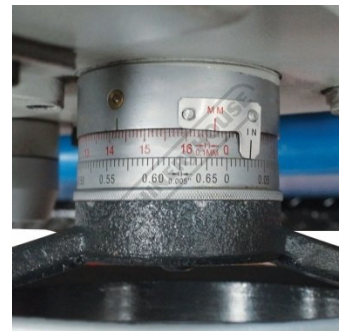
One Shot Lubrication



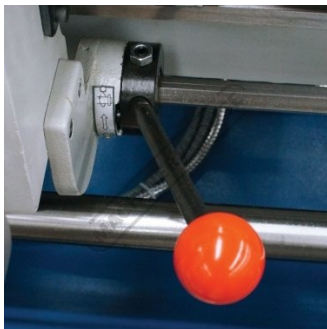
Compound Slide Dial Graduations



Thread Chasing Dial



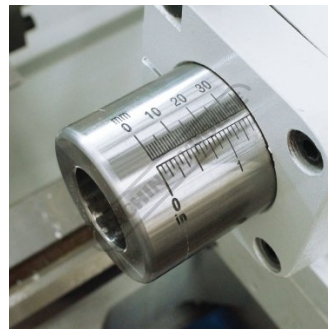
Saddle Hand Wheel Graduations



Spindle Engagement lever



Tailstock



Tailstock Quill Graduations



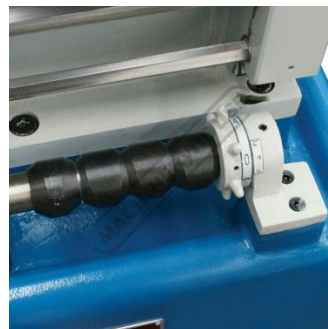
Tailstock Handle Graduations



Tailstock Adjustment



Hardened and Ground Bed



4 Position Length Stop Mechanism

Product Brochure For L605D

Recommended Accessories

L048
 Right Hand Turning Tool Holder

L049
 Left Hand Turning Tool Holder

L041
 Right Hand Turning Tool Holder

L042
 Left Hand Turning Tool Holder



L453
 Lathe Turning Tool Kit - 3 piece
 Insert Type

L459
 Lathe Threading Tool Kit - Insert
 Type

L467
 Professional Lathe Parting Tool
 Kit - Insert Type

C054
 4MT Live Centre



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C046
4MT Pipe Centre - 70° Cone



C290
Heavy Duty Drill Chuck - Keyed Type



C294
Industrial Drill Chuck - Keyless Type



D454A
4MT x JT3 Drill Chuck Arbor



D424
Drill Sleeve - Morse Taper



D422
Drill Sleeve - Morse Taper



D1272
Metric 135° Precision HSS Drill Set - 25 Piece



D1282
Imperial 135° Precision HSS Drill Set - 29 Piece



D126
Metric 135° Precision HSS Drill Set - 170 Pieces



D119
Metric 2MT HSS Drill Set



S090A
Soluble Metal Cutting Fluid - 1 Litre



S090
Soluble Metal Cutting Fluid - 5 Litre



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S076

Cutting Tool Lubricant Fluid - 500ml



S077

Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



S074

Cutting Tool Lubricant Paste - 500g



S091

Soluble Metal Cutting Fluid - 20 Litre



G662

Lathe Leadscrew Cover Kit



A358

Sky Hook Lifting Device



A358A

Chuck Hook



L300

Magnetic Swarf Remover



M9991

Magnetic Floor Sweeper



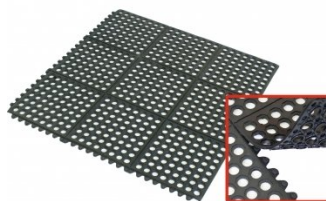
M800

Rubber Mat - Anti-Fatigue



M805

Rubber Mat - Anti-Fatigue



O043

Rust & Corrosion Preventive



Product Brochure For L605D

O042

General Purpose Lubricant &
Corrosion Inhibitor



O044

Rust & Corrosion Preventive

