

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

Product Brochure For L605D

- 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



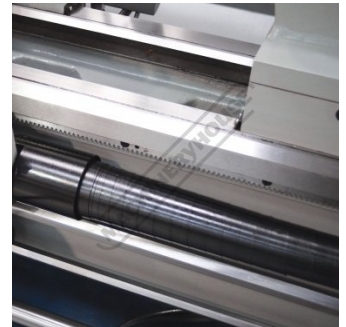
Left View



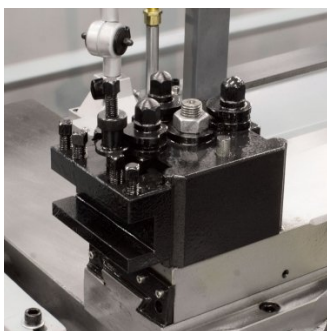
Front View



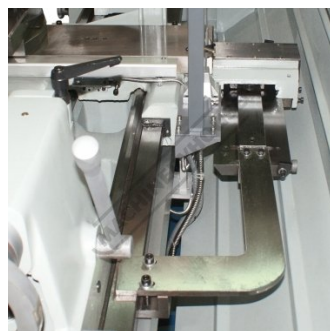
Digital Readout



Leadscrew Covers



Quick Change Toolpost



Taper Turning Attachment

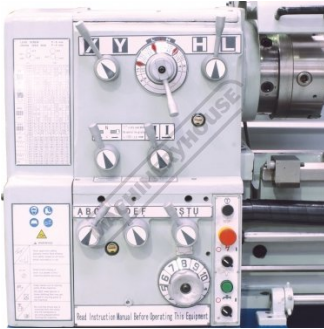


Taper Turning Attachment Scale

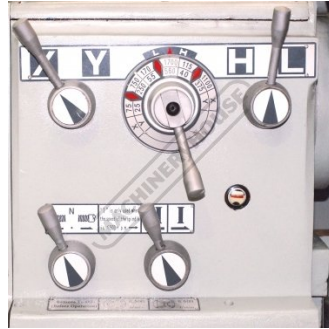


Foot Brake

Product Brochure For L605D



Headstock



Speed Selection Levers



Speed Selector Lever



Feed Selection Levers

LEAD SCREW P=6 mm
 CROSS FEED ROD P=4 mm

54T 55T 56T
 49T 56T 64T 40T

LEVER	1	2	3	4	5	6	7	8	9	10
(V) I CFS	0.1								0.15	
(V) II CES	0.2	0.25							0.3	0.35
(V) III CDS	0.4	0.45	0.5	0.55	0.6	0.65	0.7			
(V) IV CEU										0.75
(V) V CFS	0.5	0.55								
(V) VI CDU		1.25							1.5	1.75
(V) VII CFSU	2	2.25	2.5	2.75	3	3.25	3.5			
(V) VIII CEU	4	4.5	5	5.5	6	6.5	7			
(V) IX CDU	8	9	10	11	12	13	14			
(V) X I AFR	54	72	76	80	88	92	96	104	108	112
(V) XI BFR	32	36	38	40	44	48	48	52	54	56
(V) XII AFR	18	18	19	20	22	23	24	25	27	28
(V) XIII BFR	8	9	9.5	10	11	11.5	12	13	13.5	14
(V) XIV AFR	4	4.5	4.5	5	5.5	5.5	6	6.5	6.5	7
(V) XV 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 P=6 mm
 CROSS FEED ROD P=4 mm

LEVER	1	2	3	4	5	6	7	8	9	10
(V) I CFS	0.1								0.15	
(V) II CES	0.2	0.25							0.3	0.35
(V) III CDS	0.4	0.45	0.5	0.55	0.6	0.65	0.7			
(V) IV CEU										0.75
(V) V CFS	0.5	0.55								
(V) VI CDU		1.25							1.5	1.75
(V) VII CFSU	2	2.25	2.5	2.75	3	3.25	3.5			
(V) VIII CEU	4	4.5	5	5.5	6	6.5	7			
(V) IX CDU	8	9	10	11	12	13	14			
(V) X I AFR	54	72	76	80	88	92	96	104	108	112
(V) XI BFR	32	36	38	40	44	48	48	52	54	56
(V) XII AFR	18	18	19	20	22	23	24	25	27	28
(V) XIII BFR	8	9	9.5	10	11	11.5	12	13	13.5	14
(V) XIV AFR	4	4.5	4.5	5	5.5	5.5	6	6.5	6.5	7
(V) XV BFR	2	2.5	2.5	2.5	2.5	2.5	3	3.5	3.5	3.5

Thread Charts

(VV)	I CES	0.1							0.15	
(VV) I CDS	0.2								0.3	0.35
(VV) II CFS	0.4	0.45	0.5	0.55	0.6	0.65	0.7			
(VV) III CEU										0.75
(VV) IV CFS	0.5	0.55								
(VV) V CDU		1.25							1.5	1.75
(VV) VI CFSU	2	2.25	2.5	2.75	3	3.25	3.5			
(VV) VII CEU	4	4.5	5	5.5	6	6.5	7			
(VV) VIII CFS	54	72	76	80	88	92	96	104	108	112
(VV) IX BFR	32	36	38	40	44	48	48	52	54	56
(VV) X AFR	18	18	19	20	22	23	24	25	27	28
(VV) XI BFR	8	9	9.5	10	11	11.5	12	13	13.5	14
(VV) XII AFR	4	4.5	4.5	5	5.5	5.5	6	6.5	6.5	7
(VV) XIII BFR	2	2.5	2.5	2.5	2.5	2.5	3	3.5	3.5	3.5

Feed Chart



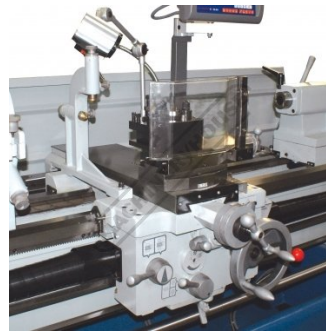
Chuck Guard



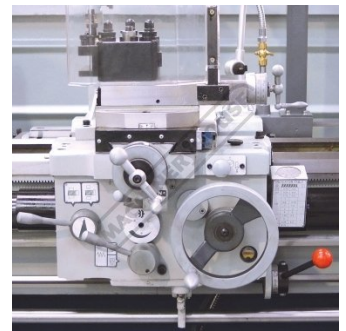
Removable Gap Bed Way



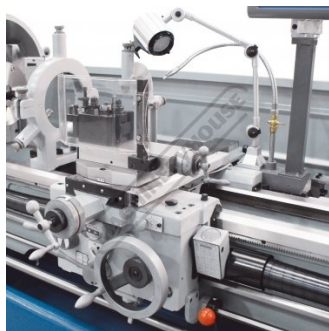
Saddle Stop



Saddle Left View



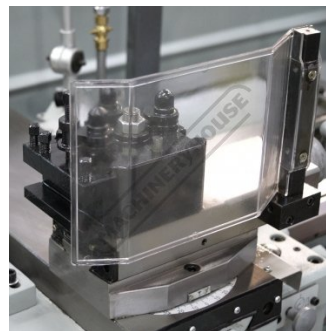
Saddle Front View



Saddle Right View



Light Collant Nozzle

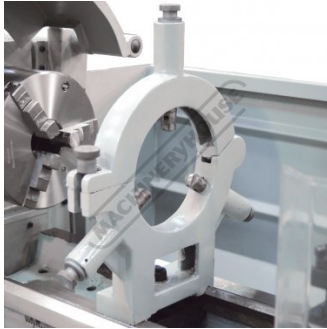


Quick Change Toolpost Guard



2 Point Travelling Steady

Product Brochure For L605D



3 Point Fixed Steady



Feed and Threading Engagement Levers



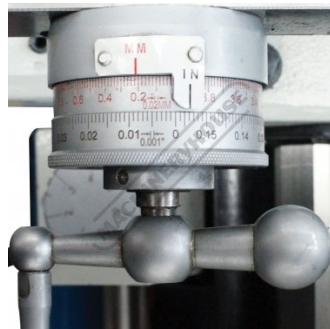
Swivel Compound Slide



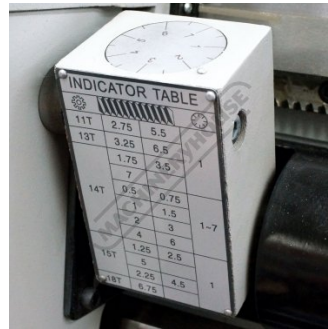
Cross Feed Dial Graduations



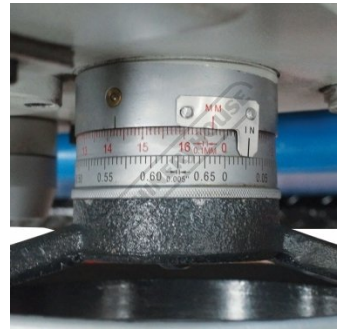
One Shot Lubrication



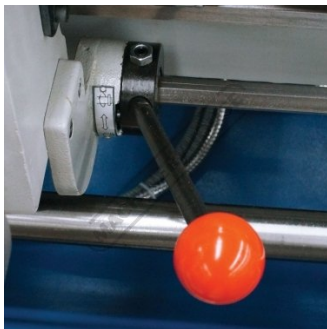
Compound Slide Dial Graduations



Thread Chasing Dial



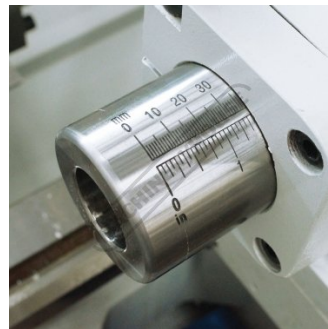
Saddle Hand Wheel Graduations



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



Product Brochure For L605D

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



Product Brochure For L605D

S076

Cutting Tool Lubricant Fluid - 500ml



S077

Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



S075

Cutting Tool Lubricant Paste - 200g



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



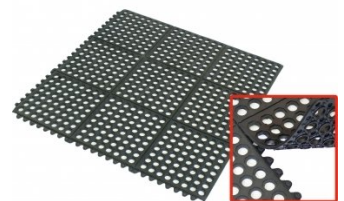
M800

Rubber Mat - Anti-Fatigue



M805

Rubber Mat - Anti-Fatigue



Product Brochure For L605D

O000
 SpillFix Universal Organic
 Absorbent



O043
 Rust & Corrosion Preventive



O042
 General Purpose Lubricant &
 Corrosion Inhibitor



O040
 Rust & Corrosion Preventive



O044
 Rust & Corrosion Preventive

