

Product Brochure For L605T

Centre Lathe - CL-60BA

460 x 1500mm Turning Capacity - 80mm Bore

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



ORDER CODE:	L605T
MODEL:	CL-60BA
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):	2400

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
- Slide out swarf tray for removal of waste material
- 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



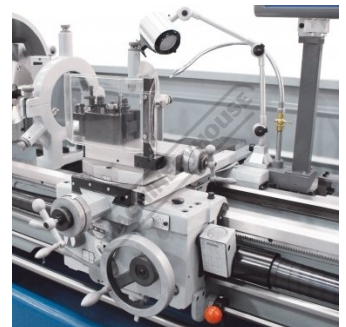
DRO Close Up



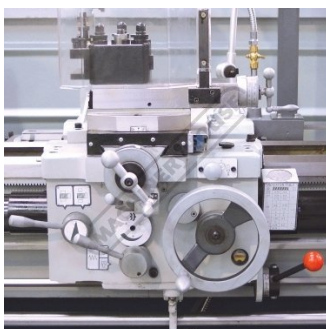
DRO Close Up



Chuck Guard



Saddle Right View



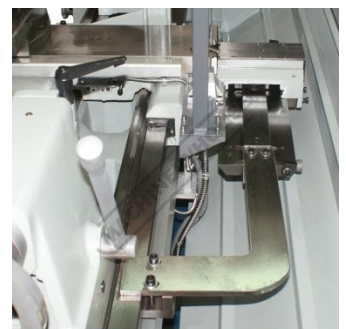
Saddle Front View



Saddle Left View

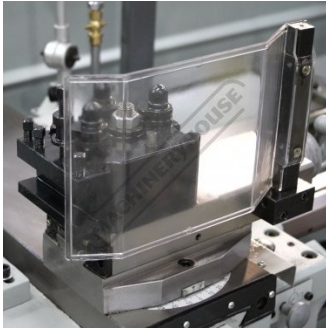


Light Collant Nozzle

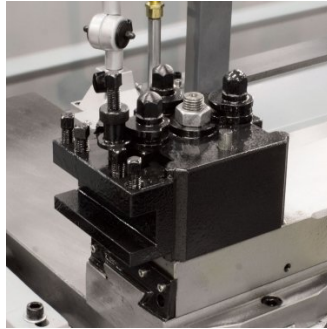


Taper Turning Attachment

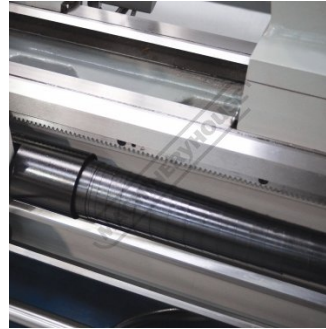
Product Brochure For L605T



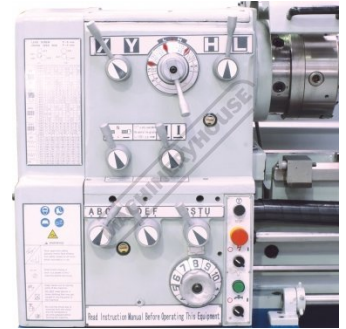
Toolpost Guard



Toolpost



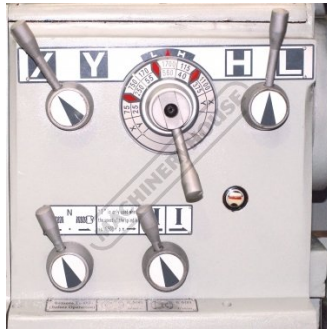
Leadscrew Covers



Headstock



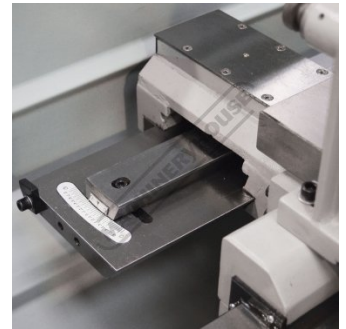
Gear Change Lever



Speed Selection Levers



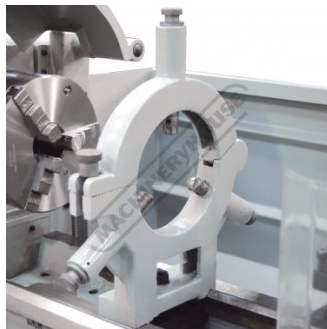
Feed Selection Levers



Taper Turning Attachment Scale



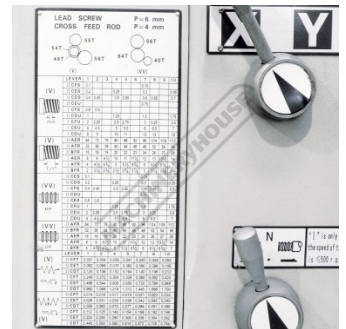
Tailstock



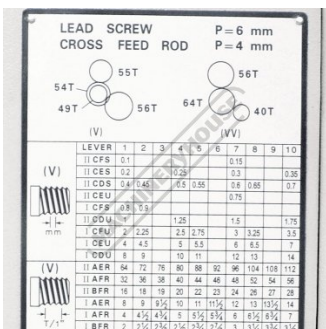
3 Point Steady



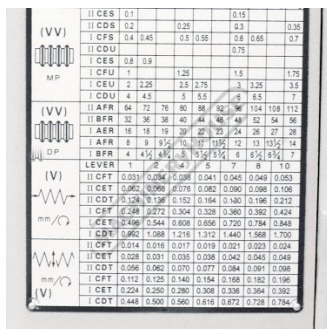
2 Point Steady



Thread Charts



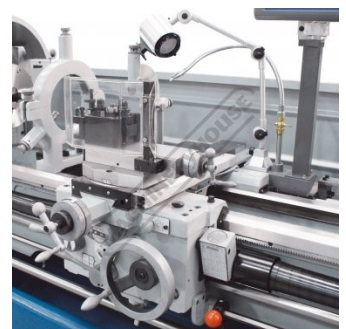
Charts A



Charts B

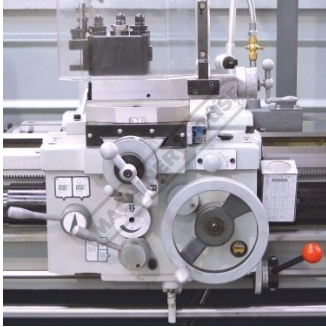


Chuck Guard



Saddle Right View

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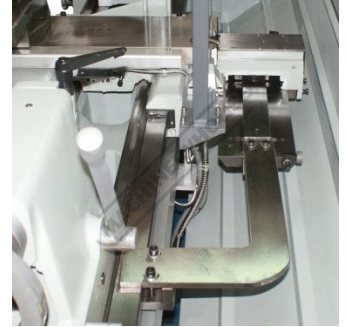
Saddle Front View



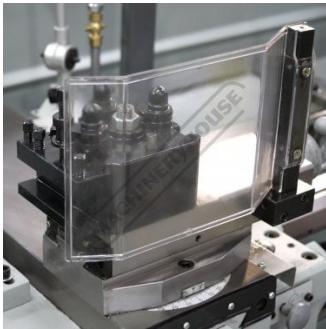
Saddle Left View



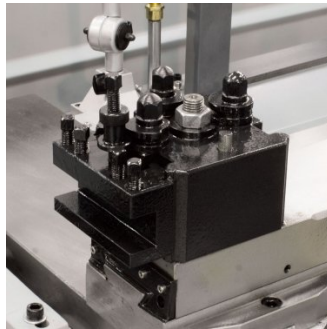
Light Collant Nozzle



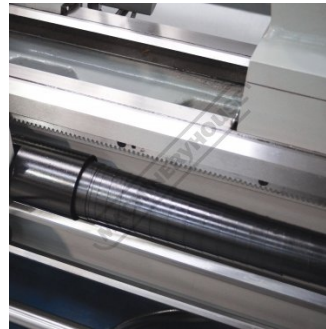
Taper Turning Attachment



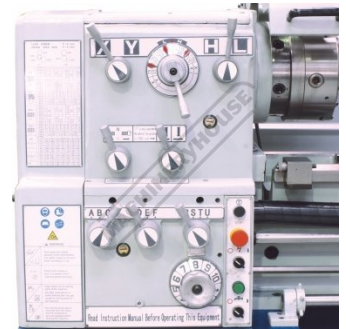
Toolpost Guard



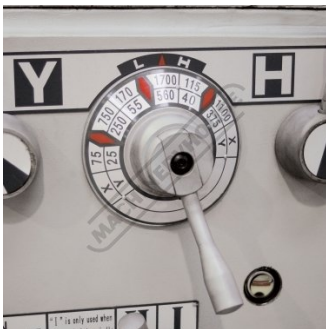
Toolpost



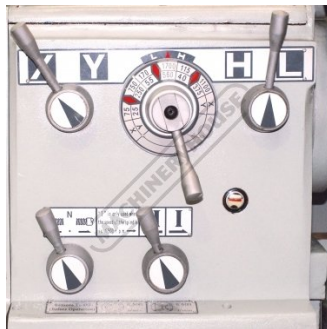
Leadscrew Covers



Headstock



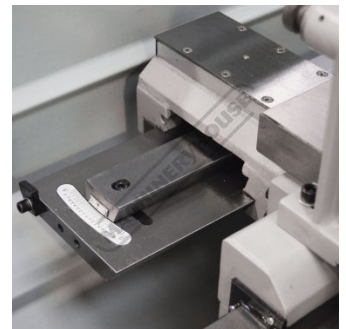
Gear Change Lever



Speed Selection Levers



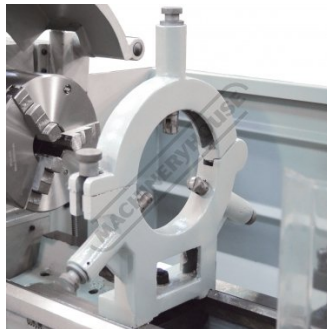
Feed Selection Levers



Taper Turning Attachment Scale



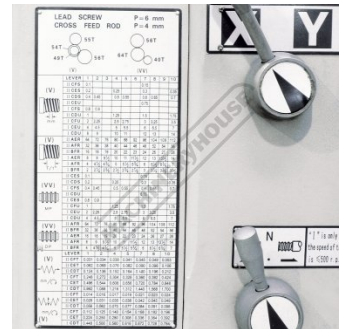
Tailstock



3 Point Steady



2 Point Steady



Thread Charts

LEAD SCREW CROSS FEED ROD

$P = 6 \text{ mm}$
 $P = 4 \text{ mm}$

(V)	LEVER	1	2	3	4	5	6	7	8	9	10
(V)	IC FCS	0.1					0.15				
	IC CES	0.2					0.25				0.35
	IC FCS	0.4	0.45				0.55	0.58	0.65	0.7	
	IC CES	0.8	0.9								
(V)	IC FU	1					1.25	1.5			1.75
	IC CU	2	2.25				2.5	2.75			3
	IC DU	4	4.5				5	5.5			6
	IC AU	14	14.75	16	16.75	18	18.75	19.5	20	21	22
(V)	IC BR	32	36	38	40	44	48	50	54	56	58
	IC AR	16	18	19	20	22	24	26	27	28	29
	IC AR	8	9	9.5	10	11	11.5	12	13	13.5	14
	IC BR	4	4.5	4.6	5	5.5	5.6	6	6.5	6.6	7
(V)	IC CT	0.031	0.034	0.036	0.041	0.045	0.049	0.053			
	IC CT	0.062	0.066	0.070	0.076	0.082	0.090	0.098	0.106		
	IC CT	0.124	0.13	0.132	0.14	0.148	0.160	0.166	0.172		
	IC CT	0.249	0.272	0.284	0.306	0.330	0.360	0.390	0.424		
(V)	IC CT	0.490	0.544	0.568	0.606	0.672	0.734	0.843			
	IC DT	0.982	1.088	1.116	1.210	1.340	1.460	1.668	1.700		
	IC CT	0.014	0.016	0.017	0.019	0.021	0.023	0.027	0.034	0.034	
	IC CT	0.028	0.031	0.033	0.036	0.042	0.045	0.049			
(V)	IC CT	0.056	0.062	0.067	0.070	0.084	0.098	0.108			
	IC CT	0.112	0.124	0.134	0.140	0.168	0.192	0.216	0.232	0.156	
	IC CT	0.224	0.250	0.260	0.280	0.336	0.390	0.432	0.508		
	IC DT	0.448	0.500	0.506	0.616	0.712	0.872	0.984			

Charts B

A yellow Sky Hook crane is shown against a white background. The crane has a yellow handle with a black grip and a yellow arm extending from it. The arm has the text "SKY HOOK" written on it in black. A black chain is attached to the end of the arm, and a black base is visible at the bottom.

A long, thin, cylindrical metal tool, likely a punch or a similar precision instrument. It has a black, textured handle at one end and a red, circular end cap. The metal shaft is polished and has the word "Ergonom" printed on it. The tool is shown at an angle against a white background.

Product Brochure For L605T

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



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



D425

Drill Sleeve - Morse Taper



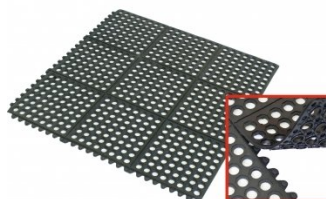
M800

Rubber Mat - Anti-Fatigue



M805

Rubber Mat - Anti-Fatigue



S090A

Soluble Metal Cutting Fluid - 1 Litre



Product Brochure For L605T

S090

Soluble Metal Cutting Fluid - 5 Litre



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



O000

SpillFix Universal Organic Absorbent



O043

Rust & Corrosion Preventive



O042

General Purpose Lubricant & Corrosion Inhibitor



O040

Rust & Corrosion Preventive



O044

Rust & Corrosion Preventive

