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Product Brochure For L564D

Centre Lathe - AL-356

356 x 1000mm Turning Capacity - 51mm Bore
Includes Digital Readout System & Quick Change Toolpost



ORDER CODE:	L564D
MODEL:	AL-356
Swing Over Bed (mm):	356
Distance Between Centres (mm):	1000
Spindle Bore (mm):	51
Swing In Gap (mm):	476
Swing Over Cross-slide (mm):	224
Digital Readout System Fitted:	Yes
Quick Change Toolpost Fitted:	Yes
Leadscrew Covers Fitted:	Yes
Taper Turning Attachment:	~
Coolant System:	Yes
Tool Height To Suit (mm):	16
Centre Height (mm):	178
Spindle Nose Size or Type:	D1-5 Camlock
Bed Width (mm):	187
Headstock Spindle Taper (MT):	6
Tailstock Taper (MT):	4
Cross Slide Travel (mm):	160
Compound Slide Travel (mm):	68
Leadscrew Type:	Metric
Metric Cross Feed (X-Axis) (mm/rev):	0.022 - 0.298
Imperial Cross Feed (X-Axis) (inch/rev):	~
Metric Longitudinal Feed (Z-Axis) (mm/rev):	0.078 - 1.044
Imperial Longitudinal Feed (Z-Axis) (inch/rev):	~
Metric Thread Steps & Pitch (No. / mm):	32 (0.45 - 10)
Imperial Thread Steps & TPI (No. / TPI):	20 (2-1/4 - 40)
3 Jaw Chuck Diameter (mm):	200
4 Jaw Chuck Diameter (mm):	200
Spindle Steps / Speeds (No. / rpm):	8 (70 - 1900)
Motor Power (kW / hp):	1.8 / 2.4
Voltage / Amperage (V / amp):	240 / 15
Nett Weight (kg):	650

Features

- 2 Axis digital readout system
- Quick change toolpost with 4 holders
- Concertina leadscrew cover
- Gear drive headstock for quick change of spindle speeds
- Precision 'V'-beds are hardened and ground, incorporating a rigid webbed casting
- Low voltage work light
- Foot operated spindle brake with safety cut out switch
- Change gears for metric and imperial thread cutting
- Oil sight glass for head stock and gearbox
- Adjustable taper roller bearings support the spindle
- Inching button is incorporated on the control panel for convenient spindle speed selection
- Enclosed quick action gearbox for thread cutting and auto feeding
- Powered longitudinal and cross feeds
- D1-5 camlock spindle for quick chuck changes and safe reverse-direction turning. ISO standard
- Removable gap bed-way for larger diameter jobs
- Dual calibrated dials (except for saddle hand-wheel)
- Chuck & change gear guards are fitted with micro switches
- Coolant system with flexible hose
- Slide out swarf tray

Includes

- 2 Axis digital readout system

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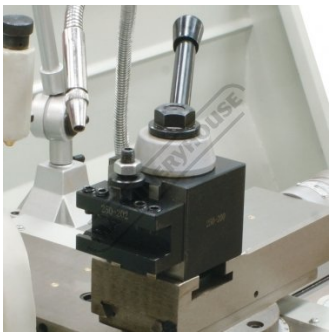
Product Brochure For L564D

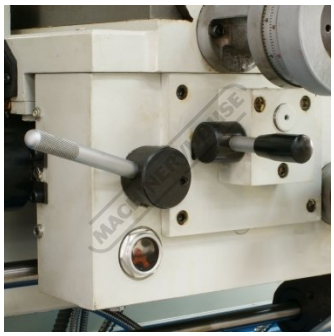
- Concertina leadscrew covers
- Quick change tool-post with 4 holders
- 200mm 3-jaw chuck with reverse jaws
- 200mm 4-jaw chuck
- Face plate
- Fixed steady
- Travelling steady
- Change gears
- Dead centres
- Thread-chasing dial
- Work light
- Cast iron stand
- Rear splash guard & swarf tray
- Tool box
- Instruction booklet

Specific Features

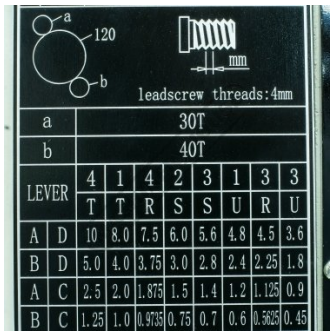

2 Axis Digital Readout


3 Jaw Chuck and Safety Guard


Quick Change Toolpost

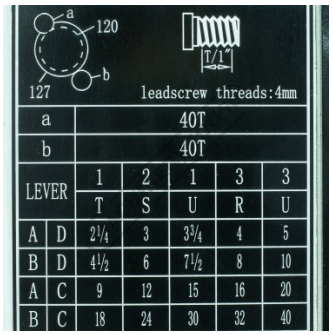

Automatic Feed and Thread Cutting Levers


Gearbox Feed Controls



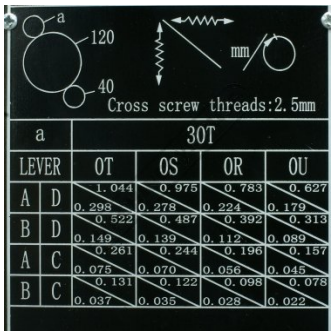
		LEVER	4	1	4	2	3	1	3	3
			T	T	R	S	S	U	R	U
a	30T	A	D	10	8.0	7.5	6.0	5.6	4.8	4.5	3.6
b	40T	B	D	5.0	4.0	3.75	3.0	2.8	2.4	2.25	1.8
		A	C	2.5	2.0	1.875	1.5	1.4	1.2	1.125	0.9
		B	C	1.25	1.0	0.9375	0.75	0.7	0.6	0.5625	0.45

Metric Thread Chart



		LEVER	1	2	1	3	3
			T	S	U	R	U
a	40T	A	D	2¼	3	3¾	4	5
b	40T	B	D	4½	6	7½	8	10
		A	C	9	12	15	16	20
		B	C	18	24	30	32	40

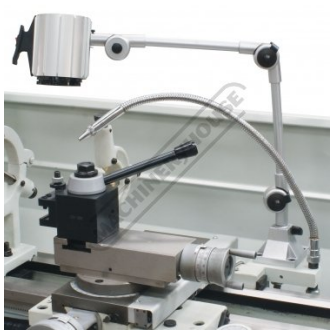
Imperial Thread Chart



		LEVER	0T	0S	0R	0U
a	30T	A	D	1.044 / 0.298	0.975 / 0.278	0.783 / 0.224	0.627 / 0.179
		B	D	0.522 / 0.149	0.487 / 0.139	0.392 / 0.112	0.313 / 0.089
		A	C	0.261 / 0.075	0.244 / 0.070	0.196 / 0.056	0.157 / 0.045
		B	C	0.131 / 0.037	0.122 / 0.035	0.098 / 0.028	0.078 / 0.022

Longitudinal and Cross feed Chart


Fixed and Travelling Steadies


Light and Coolant


Tailstock


Thread Chasing Dial

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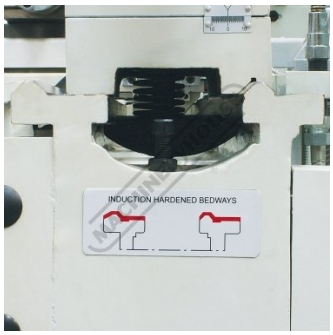
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Cross Feed Handwheel

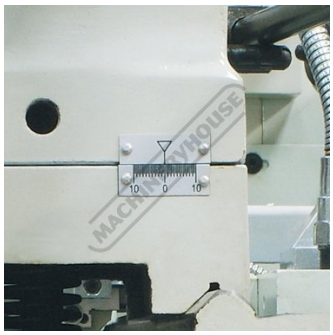

Swivel Compound Table

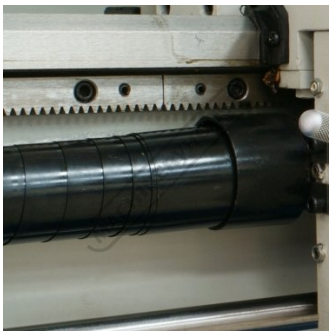

Saddle Feed Handwheel

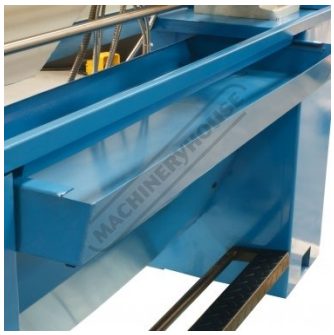

Tail Stock Feed Handwheel



Induction Hardened Bed Ways


Adjustable Tailstock


Leadscrew Covers


Slideout Swarf Tray

Recommended Accessories

G660
Lathe Leadscrew Cover Kit

G659
Lathe Leadscrew Cover Kit - Concertina

L300
Magnetic Swarf Remover

M9991
Magnetic Floor Sweeper









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Product Brochure For L564D

L0077
Lathe Turning Tool Kit - 7 piece Insert Type



L0078
Carbide Inserts - General Purpose



L451
Lathe Turning Tool Kit - 3 piece Insert Type



L465
Professional Lathe Parting Tool Kit - Insert Type



L457
Lathe Threading Tool Kit - Insert Type



C054
4MT Live Centre



L076
Knurling Tool Holder Kit



C290
Heavy Duty Drill Chuck - Keyed Type



D454A
4MT x JT3 Drill Chuck Arbor



D1272
Metric 135º Precision HSS M35 COBALT Drill Set - 25 Piece



D1282
Imperial 135º Precision HSS M35 COBALT Drill Set - 29 Piece



D126
Metric 135º Precision HSS M35 COBALT Drill Set - 170 Pieces

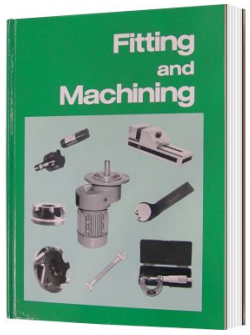


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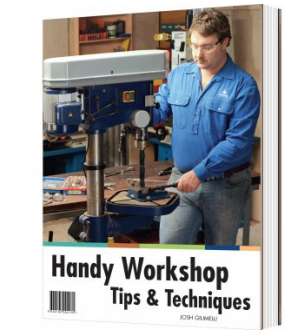
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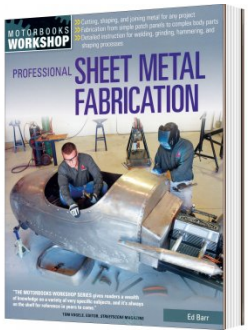
L341
Fitting and Machining Technical Book



L345
Handy Workshop Tips & Techniques - 1st Edition



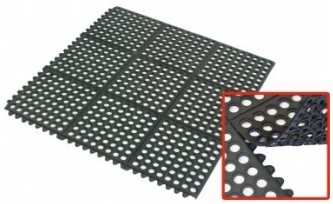
L3455
Professional Sheet Metal Fabrication Book



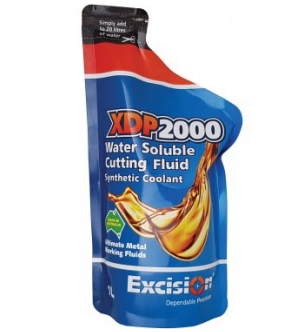
M800
Rubber Mat - Anti-Fatigue



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



S074
Cutting Tool Lubricant Paste - 500g



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



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Product Brochure For L564D

O044

Rust & Corrosion Preventive

