

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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- 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



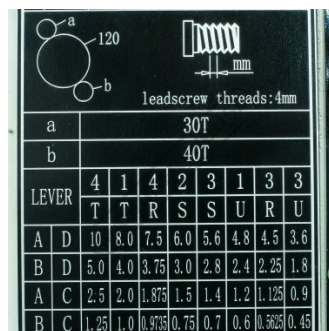
Quick Change Toolpost



Automatic Feed and Thread Cutting Levers



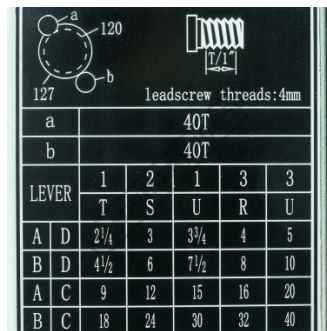
Gearbox Feed Controls



leadscrew threads: 4mm

		30T							
		40T							
LEVER		4	1	4	2	3	1	3	3
		T	T	R	S	S	U	R	U
A	D	10	8.0	7.5	6.0	5.6	4.8	4.5	3.6
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

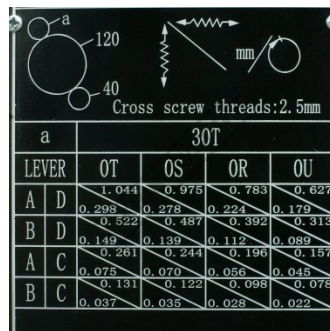
Metric Thread Chart



leadscrew threads: 4mm

		40T				
		40T				
LEVER		1	2	1	3	3
		T	S	U	R	U
A	D	2 1/4	3	3 3/4	4	5
B	D	4 1/2	6	7 1/2	8	10
A	C	9	12	15	16	20
B	C	18	24	30	32	40

Imperial Thread Chart



Cross screw threads: 2.5mm

		30T			
		OT	OS	OR	OU
LEVER					
A	D	1.044	0.975	0.783	0.627
B	D	0.298	0.278	0.224	0.179
A	C	0.522	0.487	0.392	0.313
B	C	0.149	0.139	0.112	0.089
A	D	0.261	0.244	0.196	0.157
B	D	0.075	0.070	0.056	0.045
A	C	0.131	0.122	0.098	0.078
B	C	0.037	0.035	0.028	0.022

Longitudinal and Cross feed Chart



Fixed and Travelling Steadies



Light and Coolant



Tailstock



Thread Chasing Dial

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Cross Feed Handwheel



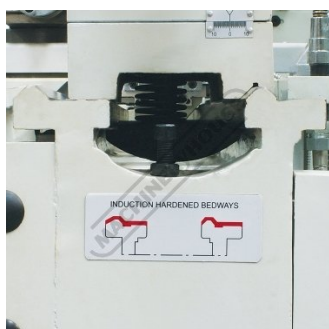
Swivel Compound Table



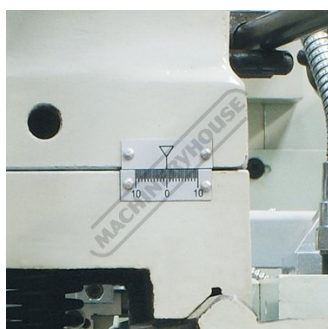
Saddle Feed Handwheel



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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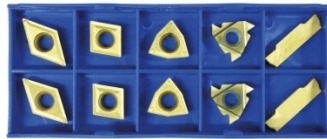
L0077

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 135° Precision HSS Drill
 Set - 25 Piece



D1282

Imperial 135° Precision HSS
 Drill Set - 29 Piece



D126

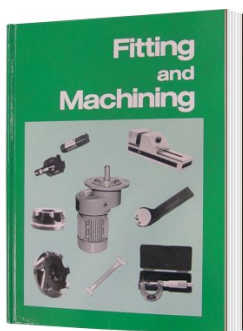
Metric 135° Precision HSS Drill
 Set - 170 Pieces



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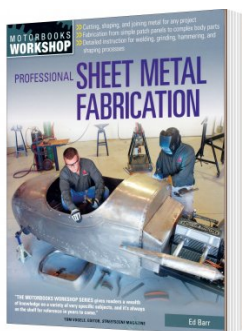
L341

Fitting and Machining Technical Book



L3455

Professional Sheet Metal Fabrication Book



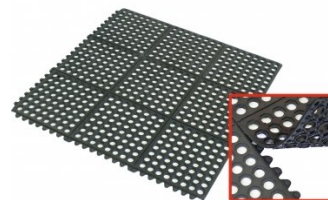
M800

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



S075

Cutting Tool Lubricant Paste - 200g



S074

Cutting Tool Lubricant Paste - 500g



O000

SpillFix Universal Organic Absorbent



O043

Rust & Corrosion Preventive



Product Brochure For L564D

O042

General Purpose Lubricant &
Corrosion Inhibitor



O040

Rust & Corrosion Preventive



O044

Rust & Corrosion Preventive

