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Product Brochure For L681

Centre Lathe - AL-335F

300 x 910mm Turning Capacity
Includes Foot Brake, Coolant Pump System & Cabinet Stand



ORDER CODE:	L681
MODEL:	AL-335F
Swing Over Bed (mm):	300
Distance Between Centres (mm):	910
Spindle Bore (mm):	38
Swing In Gap (mm):	450
Swing Over Cross-slide (mm):	178
Digital Readout System Fitted:	Optional
Quick Change Toolpost Fitted:	Optional
Leadscrew Covers Fitted:	~
Taper Turning Attachment:	~
Coolant System:	Yes
Tool Height To Suit (mm):	12
Centre Height (mm):	150
Spindle Nose Size or Type:	D1-4 Camlock
Bed Width (mm):	180
Headstock Spindle Taper (MT):	5
Tailstock Taper (MT):	3
Cross Slide Travel (mm):	170
Compound Slide Travel (mm):	85
Leadscrew Type:	Imperial
Metric Cross Feed (X-Axis) (mm/rev):	~
Imperial Cross Feed (X-Axis) (inch/rev):	0.02 - 0.33
Metric Longitudinal Feed (Z-Axis) (mm/rev):	~
Imperial Longitudinal Feed (Z-Axis) (inch/rev):	0.07 - 1.29
Metric Thread Steps & Pitch (No. / mm):	36 (0.4 - 7)
Imperial Thread Steps & TPI (No. / TPI):	45 (4 - 60)
3 Jaw Chuck Diameter (mm):	160
4 Jaw Chuck Diameter (mm):	200
Spindle Steps / Speeds (No. / rpm):	9 (75 - 1400)
Motor Power (kW / hp):	1.5 / 2
Voltage / Amperage (V / amp):	240 / 10
Nett Weight (kg):	500

Description

This new & improved AL-335F quality metal turning lathe and now includes a coolant system & foot brake for the serious enthusiastic home model engineer, general maintenance and small workshops. Featuring a precision ground, induction hardened bed, fully gear driven spindle with hardened and ground gears with a speed range of 75 - 1400rpm, selectable via the front of headstock mounted gear selection levers.

2hp single phase 240 volt motor is supplied on machine, taper roller spindle bearings, range of cross and longitudinal feed speeds selected on a separate gearbox, thread chasing dial, chuck guard with safety interlock, splash guard and work lamp.

Supplied with a large range of standard accessories including a 150mm(6") 3 jaw self centring chuck, 200mm(8") 4 jaw independent chuck, face plate and dead centres. 5 to 3 MT reduction sleeve, steady rest, follow rest, standard tool post, floor stand with a swarf tray. Change gears and toolbox with maintenance tools.

Features

- Gear driven headstock for quick change of spindle speeds
- Foot operated spindle brake with safety cut out switch
- Slide out front swarf tray for easy cleaning
- Coolant pump system with flexible hose & nozzle
- Precision V-beds are induction hardened and ground, incorporated with rigid webbed castings
- Low voltage halogen work light
- Change gears for metric and imperial thread cutting
- Adjustable taper roller bearings support the spindle
- 9 spindle speeds from 75 to 1400rpm

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- Saddle hand wheel mounted on right side of apron reducing swarf contacting the hand
- Inching button is incorporated on the control panel for convenient spindle speed selection
- Quick-action gearbox for thread cutting and auto feeding
- D1-4 camlock spindle for quick and accurate chuck removal and safe reverse direction turning. ISO standard
- External adjustable cross feed lead-screw nut
- Powered longitudinal and cross feeds
- Bed wipers on saddle
- Removable gap bed-way for larger diameter jobs
- Dual calibrated dials (except for saddle hand-wheel)
- Chuck guard fitted with safety micro switch
- Chuck & change gear guards are fitted with micro switches

Includes

- Foot brake system
- Coolant pump system
- Slide out front swarf tray
- Work light with flexible arm
- 3-jaw chuck with reverse jaws
- 4-jaw chuck
- Face plate
- Fixed steady
- Travelling steady
- Change gears
- Dead centre
- Thread-chasing dial
- Rear splash guard & swarf tray
- Safety chuck guard
- Cabinet stand
- Spanners
- Tool box
- Instruction booklet

Specific Features



Front View



Left View



Headstock



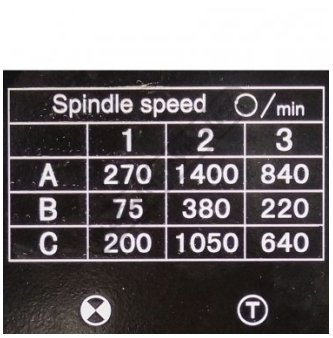
Spindle Speed Levers



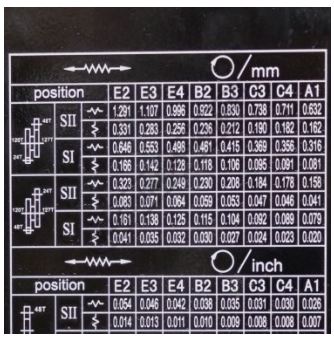
Control Panel Switches



Feed and Thread Gearbox



Spindle Speed Chart

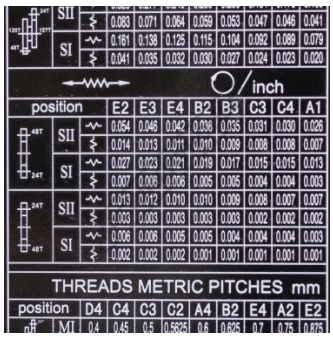


Metric Feed Chart

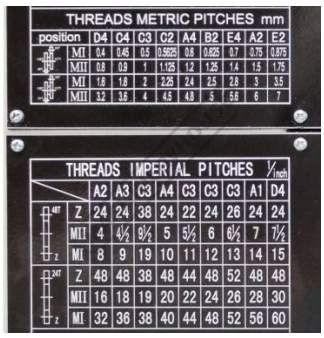
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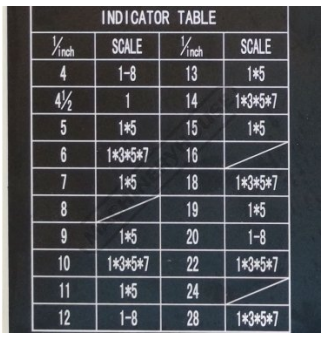
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Imperial Feed Chart

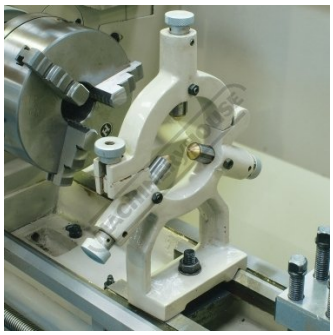


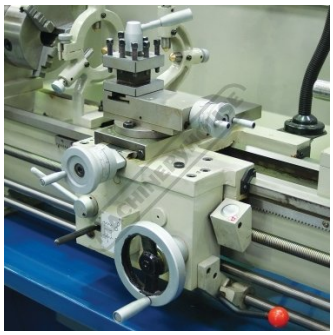
Metric and Imperial Thread Charts

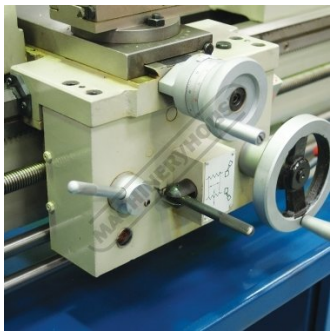


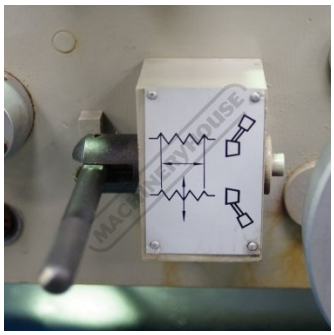
Indicator Table

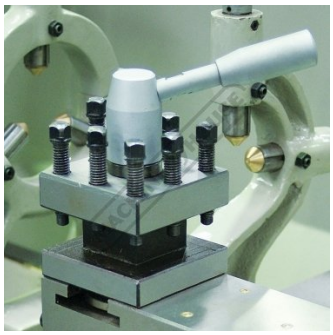

Chuck Guard


3 Point Steady


Saddle


Saddle Left View


Feed Engagement Lever


Toolpost


2 Point Steady

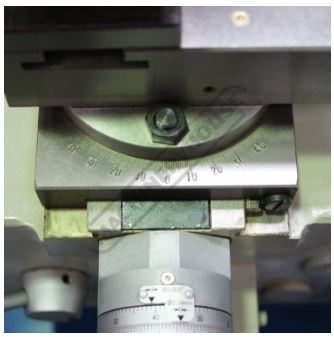

Halogen Light and Coolant System


Thread Chasing Dial


Compound Slide Hand Wheel


Cross Feed Handle

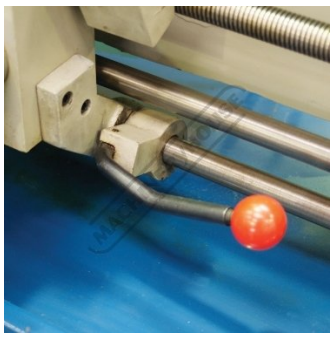

Saddle Hand Wheel


Compound Slide

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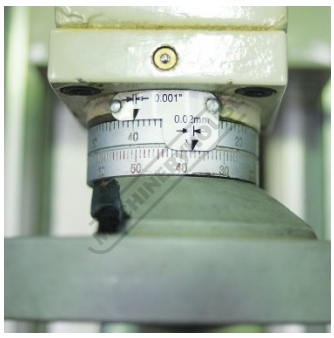
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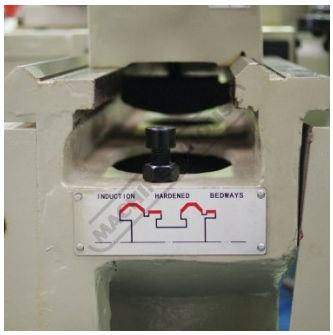
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Forward Reverse Spindle Lever


Tailstock


Tailstock Quill


Tailstock Handle



Induction Hardened Bedways


Safety Footbrake


Slide Out Swarf Tray


Side Access Door to Change Gears


Safety Micro Switch on Side Access Door

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Recommended Accessories

D695
3-Axis Optimum Digital Readout Counter - 1µm



D694
1500mm Optimum Magnetic Digital Readout Scale



D720C
200mm Easson Digital Readout Scale



D728
600mm Easson Digital Readout Scale



P235
Coolant Pump & Tank



L292
Quick Change Toolpost



L295
Quick Change Toolpost



L277
Vertical Mill Slide



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C980
5C Collet Lathe Adaptor



L015
Right Hand Turning Tool Holder



L016
Left Hand Turning Tool Holder



L0099
Lathe Turning Tool Kit - 7 piece Insert Type



L450
Lathe Turning Tool Kit - 3 piece Insert Type



L456
Lathe Threading Tool Kit - Insert Type



L464
Professional Lathe Parting Tool Kit - Insert Type



L073
Parting Tool Holder - Suits 1/2" HSS Tool Bit



L076
Knurling Tool Holder Kit



C052
3MT Live Centre



C045
3MT Pipe Centre - 70º Cone



C290
Heavy Duty Drill Chuck - Keyed Type



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D443A
3MT 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



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



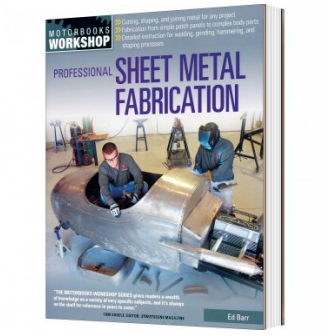
G660
Lathe Leadscrew Cover Kit



G659
Lathe Leadscrew Cover Kit - Concertina



L3455
Professional Sheet Metal Fabrication Book

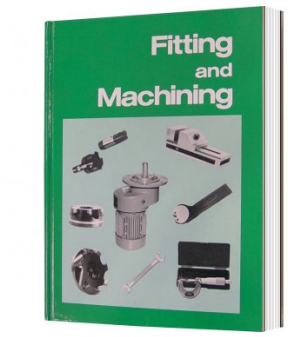


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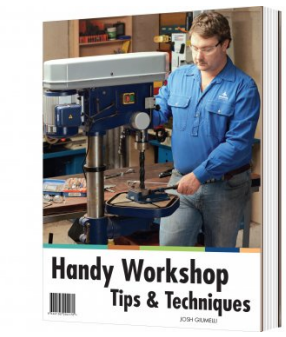
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Product Brochure For L681

L341
Fitting and Machining Technical Book



L345
Handy Workshop Tips & Techniques - 1st Edition



L300
Magnetic Swarf Remover



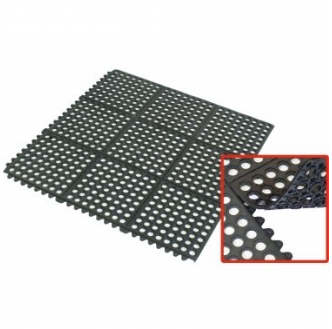
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O044
Rust & Corrosion Preventive

