

Product Brochure For L183

Centre Lathe - AL-335

300 x 910mm Turning Capacity

Includes Cabinet Stand



ORDER CODE:	L183
MODEL:	AL-335
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:	~
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):	76
Leadscrew Type:	Imperial
Metric Cross Feed (X-Axis) (mm/rev):	~
Imperial Cross Feed (X-Axis) (inch/rev):	0.014 - 0.344
Metric Longitudinal Feed (Z-Axis) (mm/rev):	~
Imperial Longitudinal Feed (Z-Axis) (inch/rev):	0.05 - 1.29
Metric Thread Steps & Pitch (No. / mm):	36 (0.4 - 7)
Imperial Thread Steps & TPI (No. / TPI):	36 (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):	460

Description

A high quality specification, floor standing, heavy duty metal turning lathe suitable for the enthusiastic home model engineer, general maintenance and small work shops. 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
- 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
- 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

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- 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

- 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

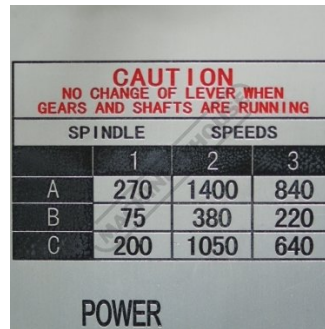
Specific Features



Headstock



Speed Levers



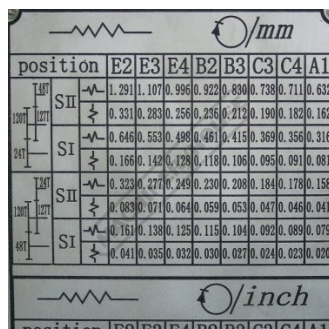
Spindle Speed Chart



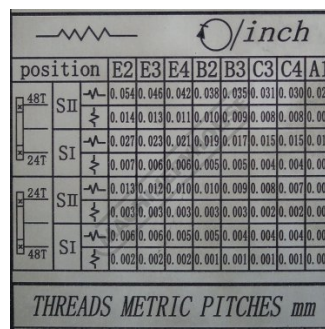
Switches



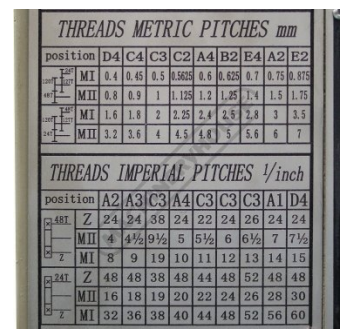
Feed and Thread Gearbox



Metric Feed Chart



Imperial Feed Chart



Metric and Imperial Thread Charts

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INDICATOR TABLE						
$\frac{1}{4}$ inch	4	4½	5	6	7	
SCALE	1-8	1	1*5	1*3*5*7	1*5	
$\frac{1}{2}$ inch	8	9	10	11	12	
SCALE		1*5	1*3*5*7	1*5	1-8	
$\frac{3}{4}$ inch	13	14	15	16	18	
SCALE	1*5	1*3*5*7	1*5	1*3*5*7		
$1\frac{1}{4}$ inch	19	20	22	24	28	
SCALE	1*5	1-8	1*3*5*7	1*3*5*7		

CAUTION

Indicator Table



Chuck Guard



3 Point Steady



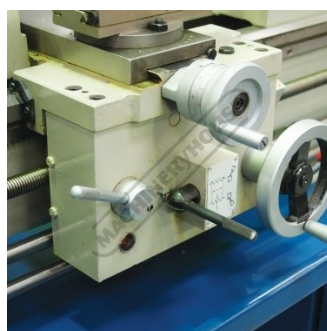
2 Point Steady



Halogen Light



Saddle



Saddle Left View



Toolpost



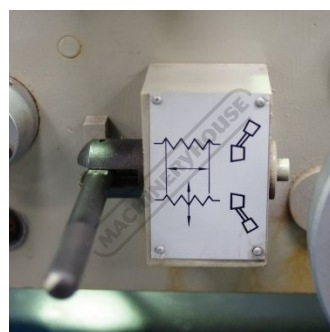
Compound Slide



Thread Chasing Dial



Forward Reverse Spindle Lever



Feed Engagement Lever



Compound Slide Hand Wheel



Cross Feed Handle



Saddle Hand Wheel



Tailstock

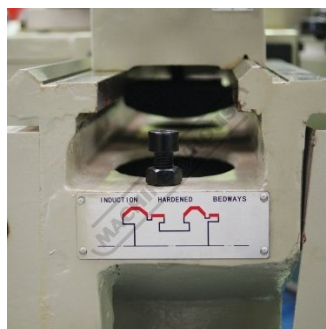
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Tailstock Quill



Tailstock Handle



Induction Hardened Bedways

Recommended Accessories

G660

Lathe Leadscrew Cover Kit



G659

Lathe Leadscrew Cover Kit - Concertina



L300

Magnetic Swarf Remover



M9991

Magnetic Floor Sweeper



L0099

Lathe Turning Tool Kit - 7 piece Insert Type



L0098

Carbide Inserts - General Purpose



L450

Lathe Turning Tool Kit - 3 piece Insert Type



L456

Lathe Threading Tool Kit - Insert Type



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L464

Professional Lathe Parting Tool
 Kit - Insert Type



L074

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



L0007

Part Off Blade - High Speed
 Steel Bit



C052

3MT Live Centre



C290

Heavy Duty Drill Chuck - Keyed
 Type



D443A

3MT x JT3 Drill Chuck Arbor



L076

Knurling Tool Holder Kit



P235

Coolant Pump & Tank



L295

Quick Change Toolpost



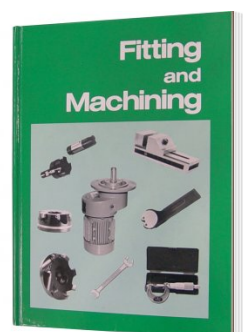
L295A

Quick Change Toolpost Holder -
 Std



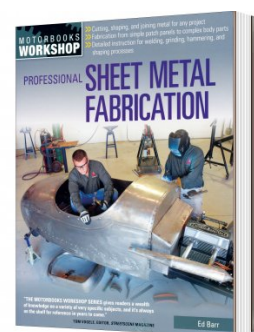
L341

Fitting and Machining Technical
 Book



L3455

Professional Sheet Metal
 Fabrication Book



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D1272

Metric 135° Precision HSS M35
COBALT Drill Set - 25 Piece



D1282

Imperial 135° Precision HSS
M35 COBALT Drill Set - 29
Piece



D126

Metric 135° Precision HSS M35
COBALT Drill Set - 170 Pieces



L277

Vertical Mill Slide



D720C

200mm Easson Digital Readout
Scale



D734

900mm Easson Digital Readout
Scale



C980

5C Collet Lathe Adaptor



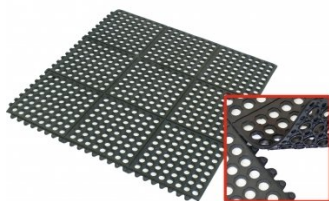
M800

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



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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

