

## Product Brochure For L159

# Lathe & Mill Drill Combination - AL-280P

400 x 409mm



ORDER CODE:	L159
MODEL:	AL-280P
KIT Includes:	~
Lathe Specifications:	LATHE SPECIFICATIONS
Tool Height To Suit (mm):	12
Distance Between Centres (mm):	409
Swing Over Bed (mm):	400
Swing Over Cross Slide (mm):	300
Centre Height (mm):	200
Spindle Bore (mm):	20
Spindle Nose Type:	Fixed
Bed Width (mm):	140
Headstock Taper (MT):	~
Tailstock Taper (MT):	3
Cross Slide Travel (mm):	115
Compound Slide Travel (mm):	85
Leadscrew:	Metric
Longitudinal Feed (Z-Axis) (mm/rev):	0.05 - 0.17
Cross Feed (X-Axis):	~
Metric Thread Range (mm):	0.2 - 3.0
Imperial Thread Range (TPI):	8-120
Three Jaw Chuck Size (mm):	100
Four Jaw Chuck Size:	Optional
Spindle Speeds (No. / rpm):	7 (160 - 1360)
Motor Power - Lathe (kW / hp):	0.55 / 0.75
Voltage / Amperage - Lathe (V / amp):	240 / 10
Mill Specifications:	MILL SPECIFICATIONS
Spindle Taper (MT):	3
Column Type:	Fixed
Swivel Head (Left ~ Right) (± Deg):	~
Vertical Travel (Z-Axis) (mm):	Fixed
Drilling Capacity (mm):	13
End Milling Capacity (mm):	13
Face Milling Capacity (mm):	25
Spindle Speeds Vertical (No. / rpm):	14 (125 - 1190)
Motor Power - Mill (kW / hp):	0.55 / 0.75
Voltage / Amperage - Mill (V / amp):	240 / 10
Nett Weight (kg):	220

### Features

- Ideal for either the home hobby, or light engineering workshop
- The drill head swings 90° in both directions and has 14 spindle speeds
- Fine micro down feed is incorporated for milling operations
- Quick action spindle engage system transferring drive from lathe to mill
- Milling vice incorporated within compound slide
- Metric and imperial screw cutting
- Power long feed on saddle
- 3MT spindle and tailstock
- Chuck guards for lathe and drill chuck
- Sheet metal leadscrew cover

### Includes

- 3-jaw chuck
- 4-jaw chuck back plate
- Dead centre
- Keyed drill chuck & arbor
- Set of change gears & toolbox

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**Specific Features**



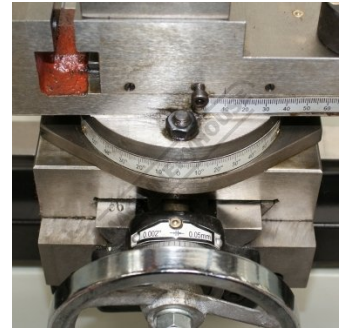
Tailstock



Longitudinal Feed Handle



Saddle



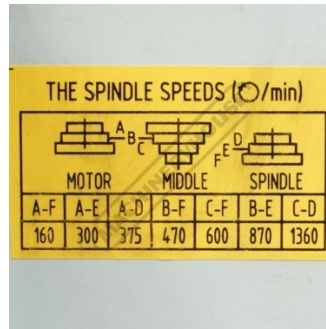
Swivel Compound Vice



Auto Feed Engagement Lever



Thread Selection Lever



Lathe Spindle Speeds



Control Panel



Thread and Feed Chart



Belt and Gearbox Drive System



Swivel Drill Head Lock Lever



Lathe or Drill Engagement



Drill and Mill Head



Quill Lever with Fine Adjustment



Quill Graduations



Drill Mill Spindle Speeds

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Drill Chuck Guard



Lathe Chuck Guard



Leadscrew Cover

**Recommended Accessories**

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



L280

Quick Change Toolpost



L280A

Quick Change Toolpost Holder -  
Std



C289

Heavy Duty Drill Chuck - Keyed  
Type



D443

3MT x JT6 Drill Chuck Arbor  
Type

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L079  
Knurling Tool Holder



C052  
3MT Live Centre



P235  
Coolant Pump & Tank



D1272  
Metric 135° Precision HSS Drill Set - 25 Piece



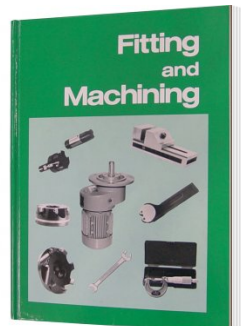
D1282  
Imperial 135° Precision HSS Drill Set - 29 Piece



D126  
Metric 135° Precision HSS Drill Set - 170 Pieces



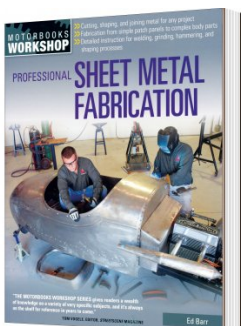
L341  
Fitting and Machining Technical Book



L345  
Handy Workshop Tips & Techniques - 1st Edition



L3455  
Professional Sheet Metal Fabrication Book



L300  
Magnetic Swarf Remover



M9991  
Magnetic Floor Sweeper

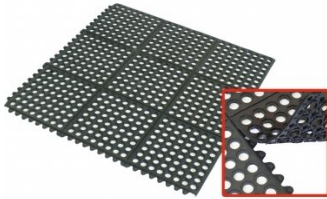


M800  
Rubber Mat - Anti-Fatigue



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**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



**O044**  
Rust & Corrosion Preventive

