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Product Brochure For K160

Lathe & Mill Drill Combination Package Deal - AL-60M (SIEG M6 = C6+M6MA)

250 x 500mm

Includes Fixed & Travelling Steadies



ORDER CODE:	K160
MODEL:	AL-60M
KIT Includes:	M6 = C6 + M6MA Package
Lathe Specifications:	LATHE SPECIFICATIONS
Tool Height To Suit (mm):	12
Distance Between Centres (mm):	550
Swing Over Bed (mm):	250
Swing Over Cross Slide (mm):	150
Centre Height (mm):	125
Spindle Bore (mm):	20
Spindle Nose Type:	American Taper
Bed Width (mm):	135
Headstock Taper (MT):	3
Tailstock Taper (MT):	2
Cross Slide Travel (mm):	105
Compound Slide Travel (mm):	75
Leadscrew:	Metric
Longitudinal Feed (Z-Axis) (mm/rev):	0.1 - 0.2
Cross Feed (X-Axis):	~
Metric Thread Range (mm):	0.4 - 3.0
Imperial Thread Range (TPI):	10 - 44
Three Jaw Chuck Size (mm):	125
Four Jaw Chuck Size:	Optional
Spindle Speeds (No. / rpm):	6 (125 - 2000)
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:	Dovetail
Swivel Head (Left ~ Right) (± Deg):	-25 to 45
Vertical Travel (Z-Axis) (mm):	190
Drilling Capacity (mm):	13
End Milling Capacity (mm):	13
Face Milling Capacity (mm):	25
Spindle Speeds Vertical (No. / rpm):	Variable (100-2500)
Motor Power - Mill (kW / hp):	0.35 / 0.5
Voltage / Amperage - Mill (V / amp):	240 / 10
Nett Weight (kg):	205

Description

AL-60M Lathe Mill-Drill 250 x 500mm Combination Bench Lathe

A compact Lathe / Mill-Drill combination machine of very modern design with many convenient facilities, ideal for the enthusiastic model engineer or with limited space in the work shop. A very rigid cast iron bed with ground slide-ways gives a high level of precision.

Featuring as standard a longitudinal power feed, quick lock tailstock, both metric and imperial thread cutting capability and also including a milling head to turn this machine into a very capable small all round machine. This machine is suitable for bench mounting, but recommended the addition of the optional stand with swarf tray. We are sure this machine will please the model engineer.

Features

- LATHE:
- Ideal for small workshops
- Precision ground 'V' Bed
- Heavy duty A-section belt drive
- 550W induction lathe motor with reversing switch
- Powered long feed and thread cutting capabilities
- Rear splash tray is standard

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- Sheet metal leadscrew cover
- Hinged belt cover with safety micro switch
- Chuck guard with safety micro switch
- Ball bearing oiling points
- Easy access fuse cover
- Adjustable cross and compound slide gib keys

- MILL:
- Supplied with a small ground and slotted milling table which attaches to the cross slide
- Head tilts ±45º
- 2-Speed gearbox for increased torque
- 370W electronic variable-speed controlled motor
- Slides utilise dovetail construction for maximum rigidity

Includes

- LATHE:
- 125mm 3-jaw chuck
- Face plate
- Fixed & travelling steadies
- 2 x dead centres
- Set of change gears, metric and imperial thread cutting
- Instruction booklet

- MILL:
- Milling table - Bolt on
- 13mm keyed drill chuck
- 3MT Arbor
- Set of spanners to suit
- Safety cutter guard

Optional Accessories

- 4 Jaw taper mount lathe chucks (L144)
- Stand to suit (L143)

Specific Features


Lathe



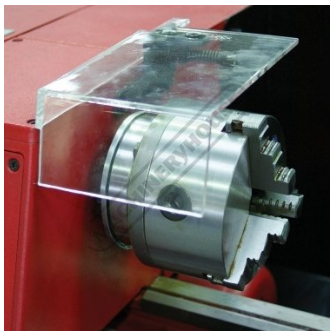
Switch

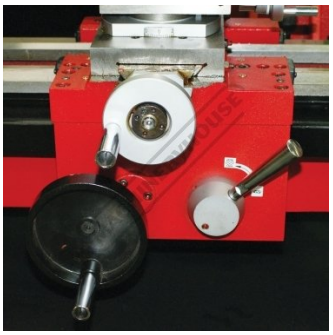

Thread Chart

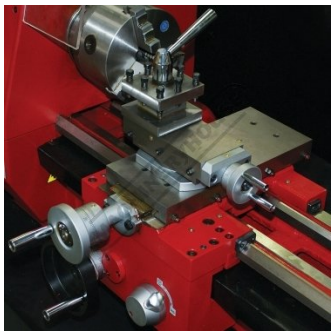


Speed Chart


Forward Reverse Switch


Chuck Guard

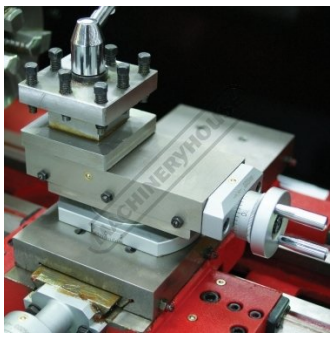

Saddle Controls

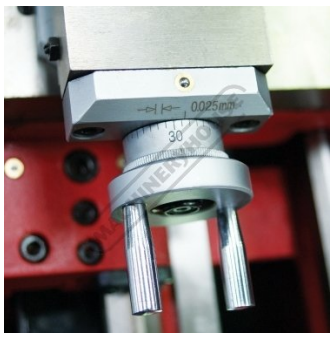

Saddle

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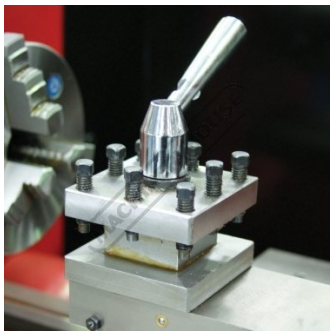
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Compound Slide

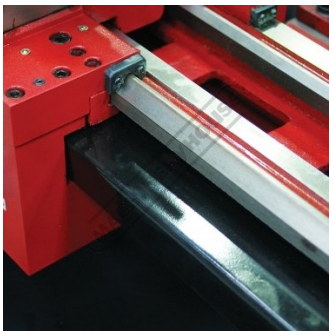

Compound Slide Handle


Tailstock


Crosslide Handle


Toolpost


Leadscrew Hand Wheel

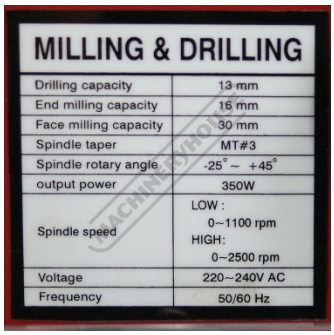

Leadscrew Covers


Head Right View


17 Quill Handle


Head Support Lock


Fine Adjustment Dial



Capacities


Variable Speed Control


Chuck Guard


Stop Switch


Height Indicator

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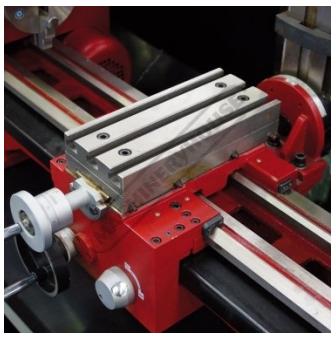
Head Left View



Low High Speed Lever



Swivel Head



Milling Table



Shown with Milling Table

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



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L280
Quick Change Toolpost



L280A
Quick Change Toolpost Holder - Std



C050
2MT Live Centre



C289
Heavy Duty Drill Chuck - Keyed Type



D442
2MT x JT6 Drill Chuck Arbor



L079
Knurling Tool Holder



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



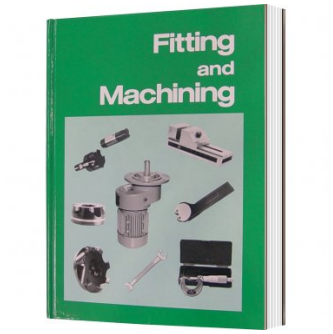
D1282
Imperial 135º Precision HSS M35 COBALT Drill Set - 29 Piece



P235
Coolant Pump & Tank



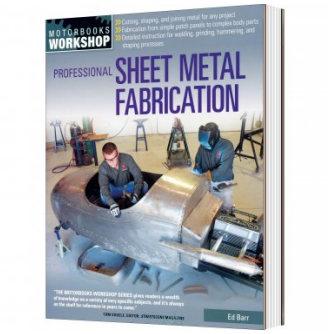
L341
Fitting and Machining Technical Book



L345
Handy Workshop Tips & Techniques - 1st Edition



L3455
Professional Sheet Metal Fabrication Book



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L300
Magnetic Swarf Remover



M9991
Magnetic Floor Sweeper



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



O044
Rust & Corrosion Preventive

