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Product Brochure For K8257

Centre Lathe with Digital Readout - Includes Tooling Package - AL-346 DRO, 415V

Built to School Specifications

NSW DOE Item 32B



ORDER CODE:	K8257
NSW DOE Item No.:	32B
QLD DOE Item No.:	~
MODEL:	Schools/TAFE AL-346 DRO &
Digital Readout:	Yes
Tool To Suit (mm):	16
Distance Between Centres (mm):	600
Swing Over Bed (mm):	330
Swing Over Gap (mm):	~
Swing Over Cross-slide (mm):	200
Centre Height (mm):	165
Spindle Bore (mm):	Ø40
Camlock Spindle Size:	D1-4
Bed Width (mm):	181
Head Stock Spindle Taper (MT):	5
Tail Stock Taper (MT):	3
Cross Slide Travel (mm):	175
Compound Slide Travel (mm):	100
Lead Screw:	Metric
Cross Feed (mm/rev):	0.034 ~ 0.468
Longitudinal Feed (mm/rev):	0.068 ~ 0.936
Metric Thread Range (No. / mm):	30 (0.4 - 7.0)
Imperial Thread Range (No. / TPI):	32 (4 - 56)
3 Jaw Chuck Diameter (mm):	Ø160
4 Jaw Chuck Diameter (mm):	Ø200
Spindle Steps/speeds (No. / RPM):	18 / 82-2000
Motor Power (kW / hp):	1.8 / 2.4
Voltage / Amperage (V / amp):	415 / 15
Nett Weight (kg):	660

Description

The AL-346 is proudly manufactured and equipped with all the necessary safety features to meet the standards set by the education department. This machine includes a leadscrew cover, a chuck guard with a micro switch, a micro switch on the side access door, and an emergency foot brake. These advanced safety features make the AL-346 an excellent choice for protecting students as they learn and develop their skills.

Features

- Quality precision lathe
- 2 Axis Digital Readout System
- Gear drive headstock for quick change of spindle speeds
- Stand increasing rigidity and reducing vibration
- Precision 'V'-beds are hardened and ground, incorporating a rigid webbed casting
- Change gears for metric and imperial thread cutting
- Oil sight glass for head stock and gearbox
- Adjustable taper roller bearings support the spindle
- 2.4HP/415V motor - 2 speed
- 18 spindle speeds
- Enclosed quick action gearbox for thread cutting and auto feeding
- Powered longitudinal and cross feeds
- D1-4 camlock spindle for quick chuck changes and safe reverse-direction turning. ISO standard
- Dual calibrated dials
- Coolant system with flexible hose
- Slide out swarf tray

Safety Features

- Foot operated spindle brake with safety cut out switch
- Interlocked safety chuck guard
- Interlocked change gear cover with integrated tool-locking mechanism

- Leadscrew cover ensures swarf not reaching clasp nut
- Emergency stop switch fitted to headstock
- Overload protection on drive motor and coolant system
- Overload clutch mechanism on auto power feed
- Keyed isolation switch - PWD approved

Includes

- Factory fitted 2-Axis digital readout system
- Ø160mm 3-jaw chuck with reverse jaws - D1-4 mount
- Ø200mm 4-jaw chuck - D1-4 mount
- Ø200mm Drive Plate - D1-4 mount
- Fixed Steady
- Travelling steady
- Dead centre
- Spindle reducing bush
- Thread chasing dial
- Rear splash guard
- LED Worklight
- 16mm Turning Tool Kit (L451)
- Parting Tool Holder (L074)
- HSS Parting Blade (L0007)
- 13mm Keyless Drill Chuck (C292)
- 3MT x JT6 Drill Chuck Arbor (D443)
- 3MT Live Centre (C052)
- Knurling Tool Holder - Clamp type (L080)
- Lathe Carrier 38mm - Bent tail (L081)
- 6 x Machine mounts - 500kg capacity (M002)
- Spanners, toolbox & operators manual

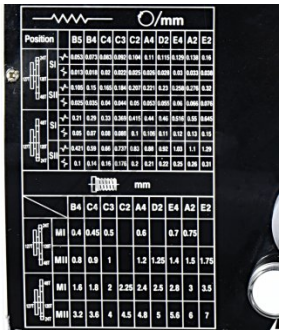
Specific Features

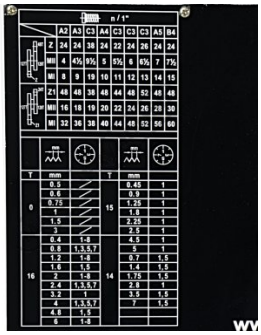

2 Axis Digital Readout


Headstock



Spindle Speeds


Thread Charts 1


Thread Charts 2


Feed and Threading Handles

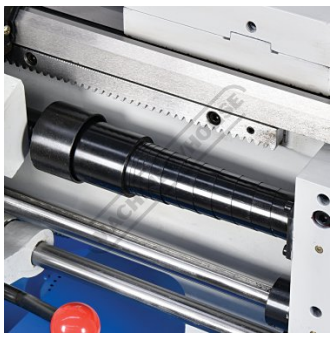


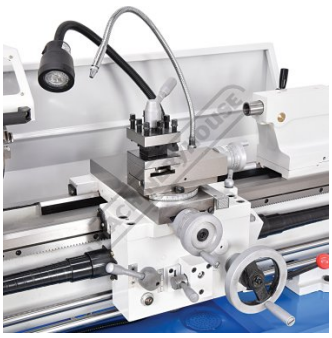
2 Speed Switch

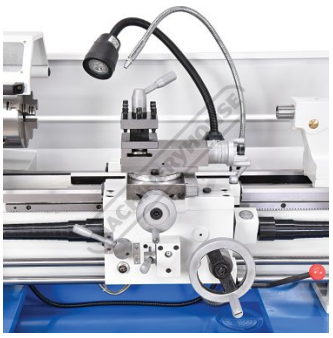

Chuck Guard With Safety Micro Switch

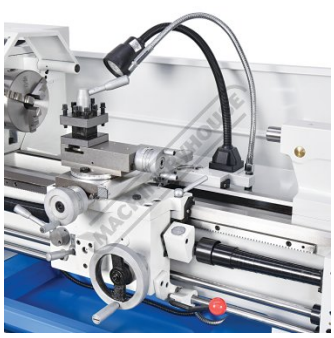
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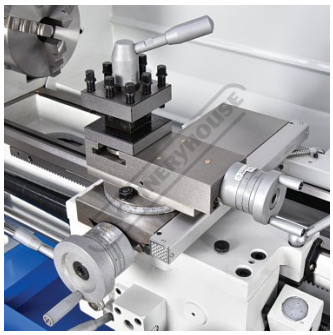
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Leadscrew Covers


Saddle Left View


Saddle Controls


Saddle Right View


Compound Slide

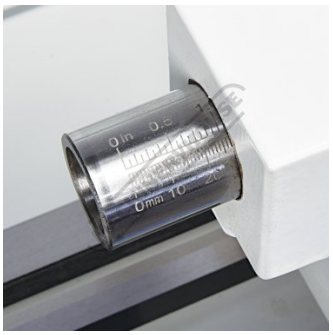

Compound Slide Angle Scale


Thread Chasing Dial


Forward Reverse Spindle Lever

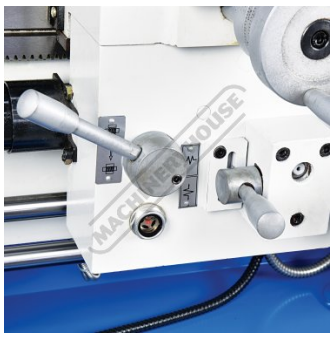

Tailstock


Tailstock Adjustments


Tailstock Graduations

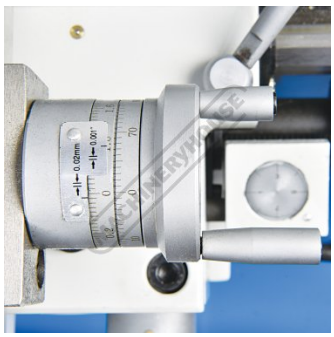


Induction Hardened Bedways


Feed and Threading Engagment Levers

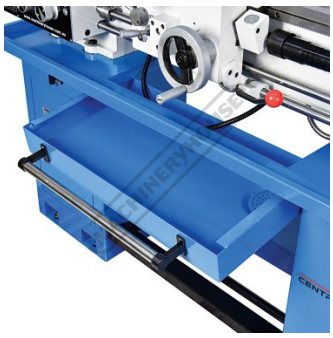

Cross Feed Dial Graduations


Saddle Hand Wheel Graduations


Compound Slide Dial Graduations

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Pull out Swarf Tray



Footbrake



Parts



Left View



Rear View

Recommended Accessories

A358
Sky Hook Lifting Device



A358A
Chuck Hook



L457
Lathe Threading Tool Kit - Insert Type



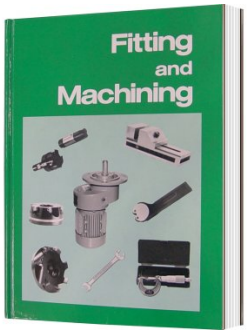
L465
Professional Lathe Parting Tool Kit - Insert Type



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L341
Fitting and Machining Technical Book



L295
Quick Change Toolpost



L295A
Quick Change Toolpost Holder - Std



M800
Rubber Mat - Anti-Fatigue

