

Product Brochure For K8710D

AL-356 Centre Lathe with Digital Readout - Includes Tooling Package - Schools / TAFE

356 x 1000mm Turning Capacity

Please Call



ORDER CODE:	K8710D
NSW DOE Item No.:	~
QLD DOE Item No.:	~
MODEL:	Schools/TAFE AL-356 DRO &
Digital Readout:	Yes
Tool To Suit (mm):	16
Distance Between Centres (mm):	1000
Swing Over Bed (mm):	356
Swing Over Gap (mm):	476
Swing Over Cross-slide (mm):	224
Centre Height (mm):	178
Spindle Bore (mm):	Ø51
Camlock Spindle Size:	D1-5
Bed Width (mm):	187
Head Stock Spindle Taper (MT):	6
Tail Stock Taper (MT):	4
Cross Slide Travel (mm):	160
Compound Slide Travel (mm):	68
Lead Screw:	Metric
Cross Feed (mm/rev):	0.022 - 0.298
Longitudinal Feed (mm/rev):	0.078 - 1.044
Metric Thread Range (No. / mm):	32 (0.45 - 10)
Imperial Thread Range (No. / TPI):	20 (2-1/4 - 40)
3 Jaw Chuck Diameter (mm):	200
4 Jaw Chuck Diameter (mm):	200
Spindle Steps/speeds (No. / RPM):	16 (35 - 1900)
Motor Power (kW / hp):	1.8 / 2.4
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	650

Features

- Gear drive headstock for quick change of spindle speeds
- Precision 'V'-beds are hardened and ground, incorporating a rigid webbed casting
- Adjustable taper roller bearings support the spindle
- 16 spindle speeds (35-1900rpm)
- Powered longitudinal and cross feeds
- D1-5 camlock spindle for quick and accurate chuck removal
- Removable gap bed-way for larger diameter jobs
- Dual calibrated dials (except for saddle hand-wheel)
- Enclosed quick action gearbox for thread cutting and auto feeding
- Inching button is incorporated on the control panel for convenient spindle speed selection
- Oil sight glass for head stock and gearbox
- Change gears for metric and imperial thread cutting
- Slide out swarf tray

Safety Features

- Foot operated spindle brake with safety cut out switch
- Interlocked safety chuck guard
- Interlocked change gear cover
- Leadscrew cover
- Raised red emergency stop switch
- Padlockable isolation switch

- OPTIONAL SAFETY ELECTRICS
- (ES310) Optional Safety Estop - Additional to standard Estop

Includes

- 2 Axis DRO

Product Brochure For K8710D

- 3-Jaw Chuck
- 4-Jaw Chuck
- Change Gears
- Face Plate
- Dead Centre
- Fixed & Travelling Steadies
- Thread Chasing Dial
- Lathe Stand
- Foot Brake
- Coolant System with Flexible Hose
- Work Light
- Slide out Swarf Tray
- Leadscrew Cover
- Quick Change Toolpost
- (C054) 4MT Live Centre
- (C294) Industrial Drill Chuck - Keyless Type
- (D454A) 4MT x JT3 Drill Chuck Arbor
- (L0007) Part Off Blade - High Speed Steel Bit
- (L074) Parting Tool Holder - Suits 1/2" HSS Tool Bit
- (L080) Knurling Tool Holder - Clamp Type
- (L451) Lathe Turning Tool Kit - 3 piece Insert Type
- (M002) Steel Machine Mount & Rubber Insert - 500kg Load Capacity (x6)

Specific Features



2 Axis Digital Readout



3 Jaw Chuck and Safety Guard



Quick Change Toolpost



Feed and Screw Cutting Lever



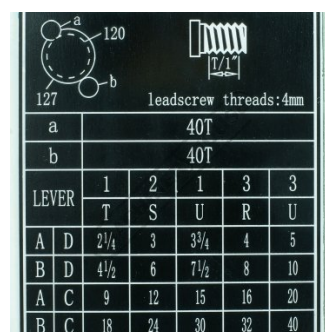
Gearbox Feed Dials



leadscrew threads: 4mm

a		30T							
b		40T							
LEVER		4	1	4	2	3	1	3	3
		T	T	R	S	S	U	R	U
A	D	10	8.0	7.5	6.0	5.6	4.8	4.5	3.6
B	D	5.0	4.0	3.75	3.0	2.8	2.4	2.25	1.8
A	C	2.5	2.0	1.875	1.5	1.4	1.2	1.125	0.9
B	C	1.25	1.0	0.9375	0.75	0.7	0.6	0.5625	0.45

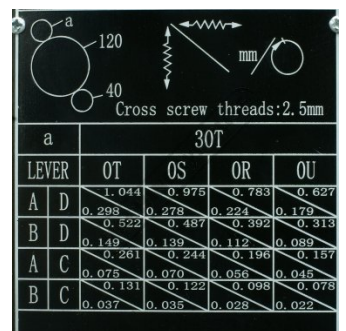
Metric Thread Chart



leadscrew threads: 4mm

a		40T						
b		40T						
LEVER		1	2	1	3	3		
		T	S	U	R	U		
A	D	2 1/4	3	3 3/4	4	5		
B	D	4 1/2	6	7 1/2	8	10		
A	C	9	12	15	16	20		
B	C	18	24	30	32	40		

Imperial Thread Chart



Cross screw threads: 2.5mm

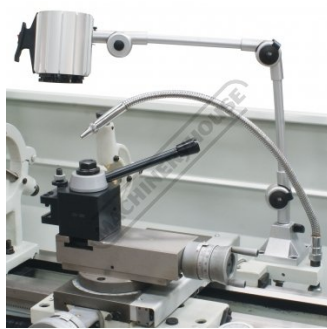
a		30T			
		OT	OS	OR	OU
LEVER					
A	D	1.044	0.975	0.783	0.627
B	D	0.298	0.278	0.224	0.179
A	C	0.149	0.139	0.112	0.089
B	C	0.075	0.070	0.056	0.045
		0.131	0.122	0.098	0.078
		0.037	0.035	0.028	0.022

Longitudinal and Cross feed Chart

Product Brochure For K8710D



Fixed and Travelling Steadies



Light and Coolant



Tailstock



Thread Chasing Dial



Cross Feed Handwheel



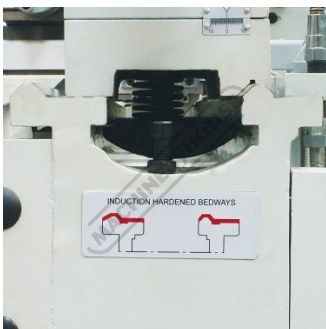
Swivel Compound Table



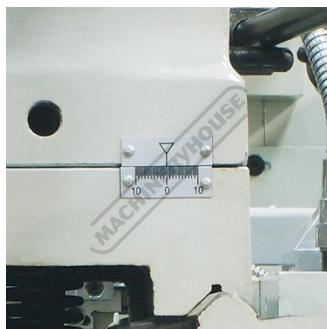
Saddle Feed Handwheel



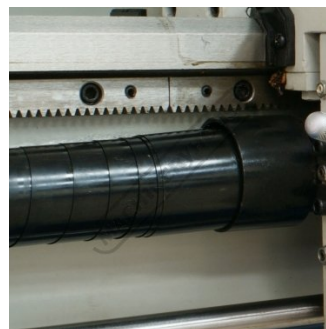
Tail Stock Feed Handwheel



Induction Hardened Bed Ways



Adjustable Tailstock



Leadscrew Covers



Slideout Swarf Tray



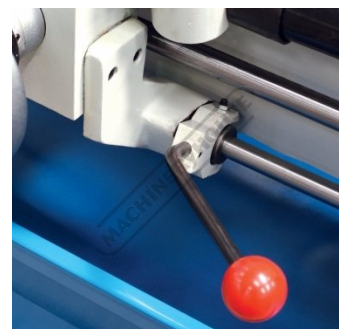
Tailstock Quill Graduations



Spindle Speed Selectors

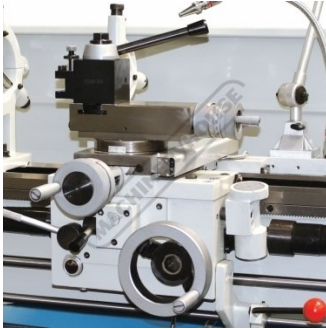


Headstock Controls

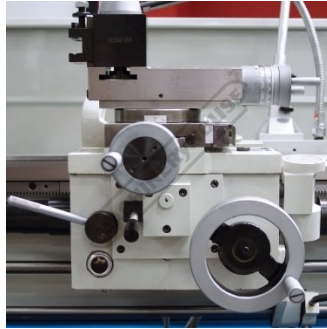


Spindle Engagement Lever

Product Brochure For K8710D



Saddle Right View



Saddle Front View

INDICATOR TABLE							
27I	mm	0.45	0.6	1.5	3.0	4.5	6.0
	scale	1/5/9					
28I	mm	0.7	3.5			8.0	
	scale	1/4/7/10				1/7	
30I	mm	1.25	2.5	5.0		10	
	scale	1/3/5/7/9/11					
0I	mm	1.0	2.0			4.0	
	scale						

Indicator Table For Thread Chasing



Compound Slide Handle



2 Speed Switch



C054 4MT Live Centre



C294 16mm Keyless Drill Chuck



D454A 4MT x JT3 Drill Chuck Arbor



L0007 Part Off Blade High Speed Steel Bit



L074 Parting Tool Holder Suits 12 HSS Tool Bit



L080 Knurling Tool Holder Clamp Type



L451 Lathe Turning Tool Kit 3 piece Insert Type



M002 Steel Machine Mount Rubber Insert

Product Brochure For K8710D

Recommended Accessories

ES310

Emergency Stop Switch Plus
Box Type Enclosure



A358

Sky Hook Lifting Device



A358A

Chuck Hook



L300

Magnetic Swarf Remover



M9991

Magnetic Floor Sweeper



L0077

Lathe Turning Tool Kit - 7 piece
Insert Type



L0078

Carbide Inserts - General
Purpose



L451

Lathe Turning Tool Kit - 3 piece
Insert Type



Product Brochure For K8710D

L465

Professional Lathe Parting Tool Kit - Insert Type



L457

Lathe Threading Tool Kit - Insert Type



C054

4MT Live Centre



L076

Knurling Tool Holder Kit



C290

Heavy Duty Drill Chuck - Keyed Type



D454A

4MT x JT3 Drill Chuck Arbor



D1272

Metric 135° Precision HSS Drill Set - 25 Piece



D1282

Imperial 135° Precision HSS Drill Set - 29 Piece



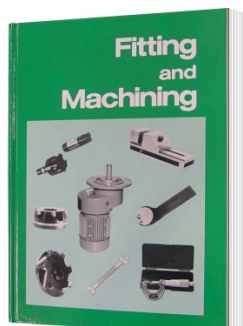
D126

Metric 135° Precision HSS Drill Set - 170 Pieces



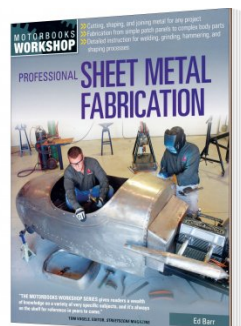
L341

Fitting and Machining Technical Book



L3455

Professional Sheet Metal Fabrication Book



M800

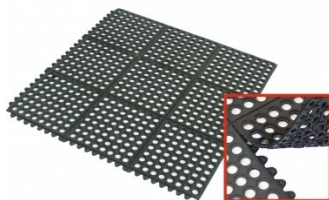
Rubber Mat - Anti-Fatigue



Product Brochure For K8710D

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



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

