

Product Brochure For L157

Bench Lathe - AL-50GA

230 x 500mm Turning Capacity



Stand Sold Separately



ORDER CODE:	L157
MODEL:	AL-50GA
Swing Over Bed (mm):	230
Distance Between Centres (mm):	500
Spindle Bore (mm):	20
Swing In Gap (mm):	~
Swing Over Cross-slide (mm):	130
Digital Readout System Fitted:	Optional
Quick Change Toolpost Fitted:	Optional
Leadscrew Covers Fitted:	~
Taper Turning Attachment:	~
Coolant System:	~
Tool Height To Suit (mm):	10
Centre Height (mm):	115
Spindle Nose Size or Type:	Threaded
Bed Width (mm):	115
Headstock Spindle Taper (MT):	3
Tailstock Taper (MT):	2
Cross Slide Travel (mm):	115
Compound Slide Travel (mm):	50
Leadscrew Type:	Imperial
Metric Cross Feed (X-Axis) (mm/rev):	~
Imperial Cross Feed (X-Axis) (inch/rev):	~
Metric Longitudinal Feed (Z-Axis) (mm/rev):	~
Imperial Longitudinal Feed (Z-Axis) (inch/rev):	0.1 - 0.2
Metric Thread Steps & Pitch (No. / mm):	11 (0.5 - 3)
Imperial Thread Steps & TPI (No. / TPI):	27 (8 - 56)
3 Jaw Chuck Diameter (mm):	100
4 Jaw Chuck Diameter (mm):	190
Spindle Steps / Speeds (No. / rpm):	6 (100 - 1800)
Motor Power (kW / hp):	0.55 / 0.75
Voltage / Amperage (V / amp):	240 / 10
Nett Weight (kg):	105

Description

AL-50GA has a quick-change gearbox for easy thread cutting operations
 Can also cut 9-1/2 and 11-1/2 threads per inch

Features

- Perfect for the hobby machinist or auto electrician
- Precision 'V'-beds are hardened and ground, encompassed on strong cast-iron rib webbing, with dovetail cross and compound slides
- Includes a full set of change gears for metric and imperial thread cutting
- Saddle handwheel mounted on right side of apron reducing swarf contacting the hand
- Induction hardened "V" beds
- Norton style quick change gearbox
- Adjustable ball bearings spindle support
- 4 x direct oiling points into gearbox
- T slotted cross slide
- Auto longitudinal feed
- Clear perspex chuck guard
- 6 spindle speeds from 100-1800rpm
- Metric dial calibrations

Includes

- 3-jaw chuck with reverse jaws
- 4-jaw chuck

Product Brochure For L157

- Face plate
- Fixed and travelling steadies
- Change gears
- Dead centre
- Thread chasing dial
- Swarf tray
- Safety chuck guard
- Spanners, tool box, & instruction booklet

Optional Accessories

- Stand to suit (L261)
- Stand to suit (L262)

Specific Features



Lathe

	INDICATOR TABLE		
T. P. I.	WORM GEAR	SCALE	
8 10	64	1-8	
12 14			
16 18			
20 22			
24 26			
28 32			
36 38			
40 44			
46 48			
52 56			
9 11	1.3	5.7	
13 19			
23			
$9\frac{1}{2} \cdot 11\frac{1}{2}$	2.6		

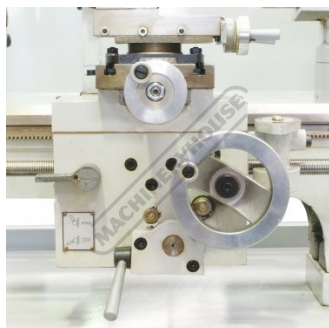
Indicator Table

		/min											
		100	250	350	500	900	1800						
		BC1	BC2	AC1	BC3	AC2	AC3						
n/1"	1	1	2	3	4	5	6	7	8	9			
	a	60	30	8	9	9.5	10	11	11.5	12	13	14	
	b	30	30	16	18	19	20	22	23	24	26	28	
mm	1	30	60	32	36	38	40	44	46	48	52	56	
	a	30	28	30	30	30	30	30	42	60	60	60	
	b	60	60	60	45	30	36	30	36	30	36	30	
		0.05		0.075		0.08		1		1.25		1.5	
		0.005		0.007									
		Lever		9		9		MODEL:					
		a		28		45		SER NO:					
		b		60		60		DATE:					

Speed and Feed Chart



Norton Style Quick Change Gearbox



Saddle Controls



Toolpost



3 Point Steady



Chuck Guard

Product Brochure For L157

Recommended Accessories

L300

Magnetic Swarf Remover



M9991

Magnetic Floor Sweeper



T773

Industrial Mobile Tooling
Cabinet Workstation



L012

Right Hand Turning Tool Holder



L0121

Left Hand Turning Tool Holder



L020

Right Hand Boring Bar



L0055

Lathe Turning Tool Kit - 5 piece
Insert Type



L062

KYOCERA Carbide Inserts -
Turning



Product Brochure For L157

L0615

KYOCERA Carbide Inserts - Turning



D1272

Metric 135° Precision HSS Drill Set - 25 Piece



D1282

Imperial 135° Precision HSS Drill Set - 29 Piece



C289

Heavy Duty Drill Chuck - Keyed Type



D442

2MT x JT6 Drill Chuck Arbor



C050

2MT Live Centre



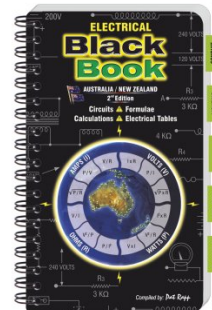
L076

Knurling Tool Holder Kit



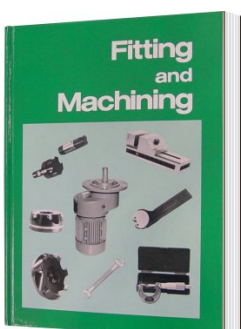
L342

Electrical Black Book



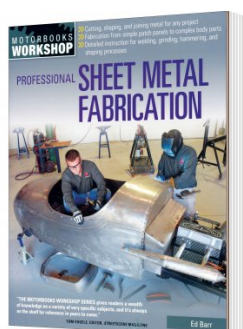
L341

Fitting and Machining Technical Book



L3455

Professional Sheet Metal Fabrication Book



L280

Quick Change Toolpost



L280A

Quick Change Toolpost Holder - Std



Product Brochure For L157

P235

Coolant Pump & Tank



D126

Metric 135° Precision HSS Drill Set - 170 Pieces



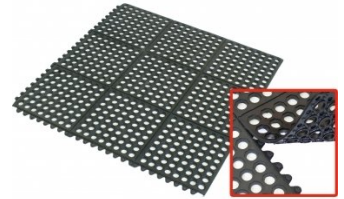
M800

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



S075

Cutting Tool Lubricant Paste - 200g



S074

Cutting Tool Lubricant Paste - 500g



O000

SpillFix Universal Organic Absorbent



O043

Rust & Corrosion Preventive



Product Brochure For L157

O042

General Purpose Lubricant &
Corrosion Inhibitor



O040

Rust & Corrosion Preventive



O044

Rust & Corrosion Preventive

