

HAFCO-METALMASTER AL-410



Centre Lathe

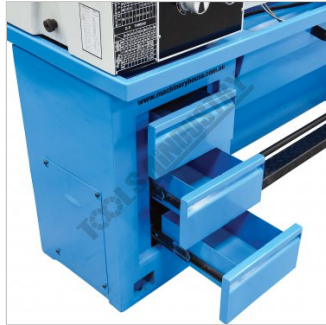
Ø400 x 1000mm Turning Capacity - Ø52mm Spindle Bore



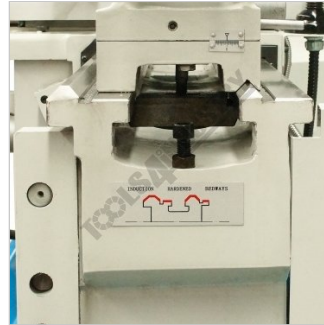
HAFCO-METALMASTER Centre Lathe AL-410



2 Axis Digital Readout



Three Tool Draws



Induction Hardened Bedways



Safety Chuck Guard



Quick Change Toolpost



Leadscrew Covers



Spindle Speed Levers

MODEL AL-410

Spindle Speed		O/min		
		1	2	3
H	A	400	2000	1200
	B	110	550	320
	C	308	1520	930
L	A	198	980	600
	B	55	270	165
	C	150	760	460

Spindle Speed Chart



Feed and Thread Gearbox



Saddle Right View



Saddle Stop



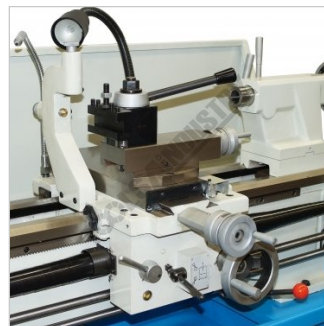
Coolant Hose and Worklight



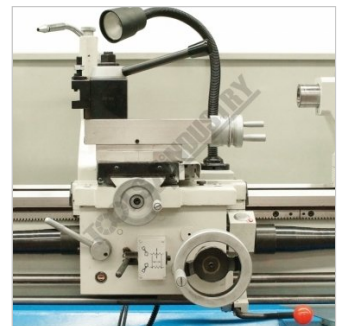
Coolant Pump



Compound Slide

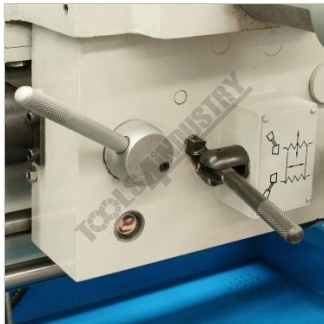


Saddle Left View



Saddle Front View

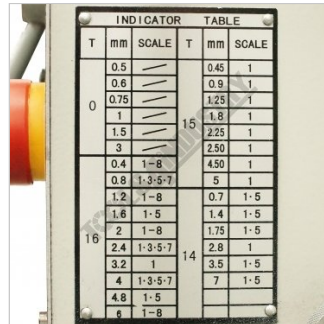
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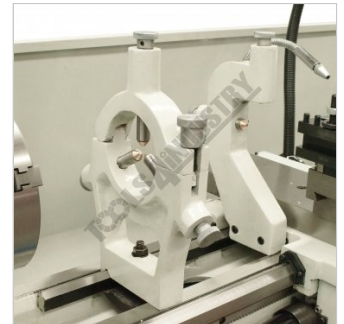
Feed and Thread Engagement Levers



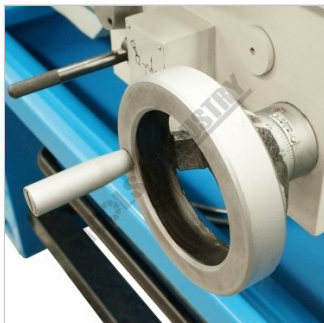
Thread Chasing Dial



Indicator Table



Fixed & Travelling Steadies



Saddle Hand Wheel



Saddle Hand Wheel Graduation



Spindle Engagement Lever



Crossslide Hand Wheel



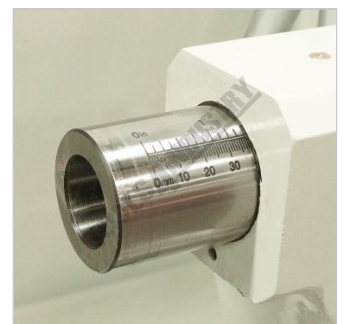
Compound Slide Hand Wheel



Swivel Compound Slide



Tailstock



Tailstock Quill



Tailstock Hand Wheel



Slide Out Drip Tray



Foot Brake



Feed Charts

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METRIC THREAD PITCH LIST										
	B4	C4	C3	C2	A4	D2	E4	A2	E2	
MI	0.4	0.45	0.5		0.6		0.7	0.75		
MII	0.8	0.9	1		1.2	1.25	1.4	1.5	1.75	
MI	1.6	1.8	2	2.25	2.4	2.5	2.8	3	3.5	
MII	3.2	3.6	4	4.5	4.8	5	5.6	6	7	

Metric Thread Pitch Chart

THREAD PER INCH										
	A2	A3	C3	A4	C3	C3	A5	B4		
Z	24	24	38	24	22	24	26	24	24	
MII	4	4½	9½	5	5½	6	6½	7	7½	
MI	8	9	19	10	11	12	13	14	15	
Z	48	48	38	48	44	48	52	48	48	
MII	16	18	19	20	22	24	26	28	30	
MI	32	36	38	40	44	48	52	56	60	

Imperial Thread Chart

MODULE THREAD										
	B4	C4	C3	C2	A4	D2	E4	A2	E2	
MI	0.4	0.45	0.5		0.6		0.7	0.75		
MII	0.8	0.9	1		1.2	1.25	1.4	1.5	1.75	
MII	1.6	1.8	2	2.25	2.4	2.5	2.8	3		

Module Thread Chart

D.P. THREAD															
	A2	A3	A4	A1	B3	A5	B4	C1	B1	B5					
MII	16	18	20	24	27	28	30	32	36	42					
MI	32	36	40	48	54	56	60	64	72	84					
T1	66	66	66	66	E3 41	66	66	E2 47	E5 48						
T2	21	21	21	21	21	22	21	24	28						
MII	8	9	10	12	13	14	15	11	22						
MI								22	44						

DP Thread Chart

Features

- 2 Axis digital readout system
- Quick change toolpost with 5 holders
- Concertina leadscrew cover
- Gear drive headstock for quick change of spindle speeds
- Precision 'V'-beds are hardened and ground, incorporating a rigid webbed casting
- Low voltage work light
- Foot operated spindle brake with safety cut out switch
- Slide out front swarf tray for easy cleaning
- Change gears for metric and imperial thread cutting
- Oil sight glass for head stock and gearbox
- Adjustable taper roller bearings support the spindle
- Inching button is incorporated on the control panel for convenient spindle speed selection
- Enclosed quick action gearbox for thread cutting and auto feeding
- Powered longitudinal and cross feeds
- D1-5 camlock spindle for quick chuck changes and safe reverse-direction turning. ISO standard
- Removable gap bed-way for larger diameter jobs
- Dual calibrated dials (except for saddle hand-wheel)
- Chuck & change gear guards are fitted with micro switches
- Coolant system with flexible hose
- Slide out swarf tray

Includes

- 2 Axis digital readout system
- Concertina leadscrew covers
- Slide out front swarf tray
- Quick change tool-post with 5 holders
- 200mm 3-jaw chuck with reverse jaws
- 200mm 4-jaw chuck
- Face plate
- Fixed steady
- Travelling steady
- Change gears
- Dead centres
- Thread-chasing dial
- Work light
- Stand

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- Rear splash guard & swarf tray
- Tool box
- Instruction booklet

Specifications

ORDER CODE	L569D
MODEL	AL-410
Swing Over Bed (mm)	400
Distance Between Centres (mm)	1000
Spindle Bore (mm)	52
Swing In Gap (mm)	520
Swing Over Cross-slide (mm)	250
Digital Readout System Fitted	Yes
Quick Change Toolpost Fitted	Yes
Leadscrew Covers Fitted	Yes
Taper Turning Attachment	~
Coolant System	Yes
Tool Height To Suit (mm)	16
Centre Height (mm)	200
Spindle Nose Size or Type	D1-5 Camlock
Bed Width (mm)	218
Headstock Spindle Taper (MT)	6
Tailstock Taper (MT)	4
Cross Slide Travel (mm)	250
Compound Slide Travel (mm)	80
Leadscrew Type	Metric
Metric Cross Feed (X-Axis) (mm/rev)	0.011 - 0.276
Imperial Cross Feed (X-Axis) (inch/rev)	~
Metric Longitudinal Feed (Z-Axis) (mm/rev)	0.052 - 1.291
Imperial Longitudinal Feed (Z-Axis) (inch/rev)	~
Metric Thread Steps & Pitch (No. / mm)	32 (0.4 - 7)
Imperial Thread Steps & TPI (No. / TPI)	36 (4 - 60)
3 Jaw Chuck Diameter (mm)	200
4 Jaw Chuck Diameter (mm)	200
Spindle Steps / Speeds (No. / rpm)	18 (65 - 2000)
Motor Power (kW / hp)	2.4 / 3.2
Voltage / Amperage (V / amp)	415
Nett Weight (kg)	850