

Product Brochure For K008A

Centre Lathe & Tooling Package Deal - AL-336D DELUXE

Ø300 x 900mm Turning Capacity - Ø38mm Spindle Bore
 18 Geared Head Speeds 65 ~ 1810rpm, Includes Digital Readout System, Quick Change Toolpost, Leadscrew Covers, Foot Brake, Cabinet Stand & Tooling Package



HAFCO
METALMASTER



Package Deal

Ex GST

Inc GST

\$6,790.00

\$7,469.00

Package Contents - SAVE \$288.20 (Inc)

1 x L682D - Centre Lathe AL-336D DELUXE	\$6,809.00
1 x L450 - Lathe Turning Tool Kit - 3 piece Insert Type	\$297.00
1 x L456 - Lathe Threading Tool Kit - Insert Type	\$242.00
1 x L464 - Professional Lathe Parting Tool Kit - Insert Type	\$209.00
1 x C052 - 3MT Live Centre	\$88.00
1 x D443A - 3MT x JT3 Drill Chuck Arbor	\$24.20
1 x C290 - Heavy Duty Drill Chuck - Keyed Type	\$88.00

Normal Price (Inc): \$7,757.20

ORDER CODE:	K008A
MODEL:	AL-336D-DELUXE Package Deal
Swing Over Bed (mm):	300
Distance Between Centres (mm):	900
Spindle Bore (mm):	38
Swing In Gap (mm):	450
Swing Over Cross-slide (mm):	180
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):	12
Centre Height (mm):	150
Spindle Nose Size or Type:	D1-4 Camlock
Bed Width (mm):	180
Headstock Spindle Taper (MT):	5
Tailstock Taper (MT):	3
Cross Slide Travel (mm):	170
Compound Slide Travel (mm):	75
Leadscrew Type:	Imperial
Metric Cross Feed (X-Axis) (mm/rev):	-
Imperial Cross Feed (X-Axis) (inch/rev):	0.009 - 0.236
Metric Longitudinal Feed (Z-Axis) (mm/rev):	-
Imperial Longitudinal Feed (Z-Axis) (inch/rev):	0.04 - 1.2236
Metric Thread Steps & Pitch (No. / mm):	32 (0.4 - 7)
Imperial Thread Steps & TPI (No. / TPI):	36 (4 - 60)
3 Jaw Chuck Diameter (mm):	160
4 Jaw Chuck Diameter (mm):	200
Spindle Steps / Speeds (No. / rpm):	18 (65 - 1810)
Motor Power (kW / hp):	1.5 / 2
Voltage / Amperage (V / amp):	240 / 10
Nett Weight (kg):	595

Description

The AL-336D deluxe high quality centre lathe with a turning capacity of Ø300 x 900mm is well known in the industry for its metal turning capabilities & is suitable for the model engineer or general maintenance workshops.

Featuring a 2-Axis digital readout system for radius & longitudinal measurements (X & Y-Axis), the DRO counter is mounted above the headstock in a user friendly location allowing you to achieve precision work every time. The induction hardened vee bedways are precision

Product Brochure For K008A

ground that allows the saddle to smoothly slide over it, full gear driven spindle speeds ranging from 65 - 1810rpm are selectable via the gear selector levers that are accessible from the front of headstock for your convenience & certainly makes this lathe package well sort after.

The 2hp single phase 240V motor is ample power to drive the 3 & 4 jaw chucks, auto feed & screw cutting thread system and the adjustable taper roller spindle bearings ensures accuracy & smooth operation even when under cutting load. A great range of cross, longitudinal feed speeds & metric & imperial screw cutting threads are easy accessible & selected via the separate gearbox located underneath the headstock for your convenience.

Supplied with a large range of standard accessories including a quick change tool post with 4 tool holders, 150mm 3 jaw self centring chuck, 200mm 4 jaw independent chuck with D1-4 camlock for quick change over, face plate, spindle safety foot brake, chuck guard with safety interlock switch, guarded leadscrew cover, thread chasing dial, rear splash guard, coolant pump system, work light, fixed & traveling steadies & that rounds up most of the great features on this fantastic centre lathe. The floor stand is equipped with a slide out swarf tray that makes it very easy to clean down and remove your waste material swarf.

Features

- 2 Axis digital readout
- Quick change toolpost with 4 holders
- Gear drive headstock for quick change of spindle speeds
- Precision 'V'-beds are hardened and ground, incorporating a rigid webbed casting
- Concertina leadscrew cover
- Slide out swarf tray from front of machine
- 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
- 18 spindle speeds from 65 to 1810rpm
- 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
- D1-4 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

Includes

- 2 Axis digital readout system
- Turning tool kit (L450)
- Threading tool kit (L456)
- Parting tool kit (L464)
- Live centre (C052)
- Keyed drill chuck (C290)
- Drill chuck arbour (D44A)
- Concertina leadscrew cover
- Quick change toolpost with 4 holders
- Slide out front swarf tray
- 3-jaw chuck with reverse jaws
- 4-jaw chuck
- Face plate
- Fixed steady
- Travelling steady
- Coolant system
- Change gears
- Dead centres
- Thread-chasing dial
- Safety chuck guard
- Work light
- Stand
- Foot brake
- Rear splash guard & slide out swarf tray
- Tool box
- Instruction booklet

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Specific Features



AL-336D Deluxe



2 Axis Digital Read Out



Quick Change Toolpost



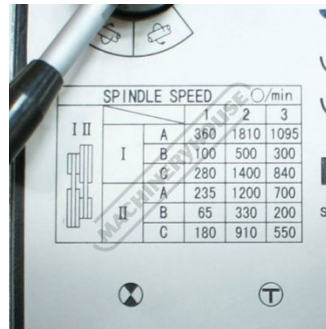
Leadscrew Covers



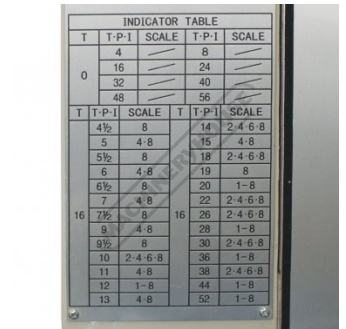
Chuck Guard With Safety Micro Switch



Headstock



18 Spindle speeds 65-1810rpm



Thread Chase Indicator Table

METRIC THREAD PITCH LIST

	B4	C4	C3	C2	A4	D2	E4	A2	E2
M1	0.4	0.45	0.5	0.5	0.7	0.75			
M1.6	0.8	0.9	1	1.2	1.25	1.4	1.5	1.75	
M2	1.6	1.8	2	2.25	2.4	2.5	2.8	3	3.5
M2.5	3.2	3.6	4	4.5	4.8	5	5.6	6	7
M3									
M4									
M5									
M6									
M8									
M10									
M12									
M16									
M20									
M25									
M32									
M40									
M50									
M63									
M80									
M100									
M125									
M160									
M200									
M250									
M315									
M400									
M500									
M630									
M800									
M1000									

Thread Charts

~W~

○/mmC1

Position E2 E3 A2 A4 E1 C3 C4 A5 D5 B5

1	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55
2	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6
3	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65
4	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7
5	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75
6	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8
7	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85
8	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9
9	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95
10	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	1
11	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	1	1.05
12	0.65	0.7	0.75	0.8	0.85	0.9	0.95	1	1.05	1.1
13	0.7	0.75	0.8	0.85	0.9	0.95	1	1.05	1.1	1.15
14	0.75	0.8	0.85	0.9	0.95	1	1.05	1.1	1.15	1.2
15	0.8	0.85	0.9	0.95	1	1.05	1.1	1.15	1.2	1.25
16	0.85	0.9	0.95	1	1.05	1.1	1.15	1.2	1.25	1.3
17	0.9	0.95	1	1.05	1.1	1.15	1.2	1.25	1.3	1.35
18	0.95	1	1.05	1.1	1.15	1.2	1.25	1.3	1.35	1.4
19	1	1.05	1.1	1.15	1.2	1.25	1.3	1.35	1.4	1.45
20	1.05	1.1	1.15	1.2	1.25	1.3	1.35	1.4	1.45	1.5
21	1.1	1.15	1.2	1.25	1.3	1.35	1.4	1.45	1.5	1.55
22	1.15	1.2	1.25	1.3	1.35	1.4	1.45	1.5	1.55	1.6
23	1.2	1.25	1.3	1.35	1.4	1.45	1.5	1.55	1.6	1.65
24	1.25	1.3	1.35	1.4	1.45	1.5	1.55	1.6	1.65	1.7
25	1.3	1.35	1.4	1.45	1.5	1.55	1.6	1.65	1.7	1.75
26	1.35	1.4	1.45	1.5	1.55	1.6	1.65	1.7	1.75	1.8
27	1.4	1.45	1.5	1.55	1.6	1.65	1.7	1.75	1.8	1.85
28	1.45	1.5	1.55	1.6	1.65	1.7	1.75	1.8	1.85	1.9
29	1.5	1.55	1.6	1.65	1.7	1.75	1.8	1.85	1.9	1.95
30	1.55	1.6	1.65	1.7	1.75	1.8	1.85	1.9	1.95	2
31	1.6	1.65	1.7	1.75	1.8	1.85	1.9	1.95	2	2.05
32	1.65	1.7	1.75	1.8	1.85	1.9	1.95	2	2.05	2.1
33	1.7	1.75	1.8	1.85	1.9	1.95	2	2.05	2.1	2.15
34	1.75	1.8	1.85	1.9	1.95	2	2.05	2.1	2.15	2.2
35	1.8	1.85	1.9	1.95	2	2.05	2.1	2.15	2.2	2.25
36	1.85	1.9	1.95	2	2.05	2.1	2.15	2.2	2.25	2.3
37	1.9	1.95	2	2.05	2.1	2.15	2.2	2.25	2.3	2.35
38	1.95	2	2.05	2.1	2.15	2.2	2.25	2.3	2.35	2.4
39	2	2.05	2.1	2.15	2.2	2.25	2.3	2.35	2.4	2.45
40	2.05	2.1	2.15	2.2	2.25	2.3	2.35	2.4	2.45	2.5
41	2.1	2.15	2.2	2.25	2.3	2.35	2.4	2.45	2.5	2.55
42	2.15	2.2	2.25	2.3	2.35	2.4	2.45	2.5	2.55	2.6
43	2.2	2.25	2.3	2.35	2.4	2.45	2.5	2.55	2.6	2.65
44	2.25	2.3	2.35	2.4	2.45	2.5	2.55	2.6	2.65	2.7
45	2.3	2.35	2.4	2.45	2.5	2.55	2.6	2.65	2.7	2.75
46	2.35	2.4	2.45	2.5	2.55	2.6	2.65	2.7	2.75	2.8
47	2.4	2.45	2.5	2.55	2.6	2.65	2.7	2.75	2.8	2.85
48	2.45	2.5	2.55	2.6	2.65	2.7	2.75	2.8	2.85	2.9
49	2.5	2.55	2.6	2.65	2.7	2.75	2.8	2.85	2.9	2.95
50	2.55	2.6	2.65	2.7	2.75	2.8	2.85	2.9	2.95	3
51	2.6	2.65	2.7	2.75	2.8	2.85	2.9	2.95	3	3.05
52	2.65	2.7	2.75	2.8	2.85	2.9	2.95	3	3.05	3.1
53	2.7	2.75	2.8	2.85	2.9	2.95	3	3.05	3.1	3.15
54	2.75	2.8	2.85	2.9	2.95	3	3.05	3.1	3.15	3.2
55	2.8	2.85	2.9	2.95	3	3.05	3.1	3.15	3.2	3.25
56	2.85	2.9	2.95	3	3.05	3.1	3.15	3.2	3.25	3.3
57	2.9	2.95	3	3.05	3.1	3.15	3.2	3.25	3.3	3.35
58	2.95	3	3.05	3.1	3.15	3.2	3.25	3.3	3.35	3.4
59	3	3.05	3.1	3.15	3.2	3.25	3.3	3.35	3.4	3.45
60	3.05	3.1	3.15	3.2	3.25	3.3	3.35	3.4	3.45	3.5
61	3.1	3.15	3.2	3.25	3.3	3.35	3.4	3.45	3.5	3.55
62	3.15	3.2	3.25	3.3	3.35	3.4	3.45	3.5	3.55	3.6
63	3.2	3.25	3.3	3.35	3.4	3.45	3.5	3.55	3.6	3.65
64	3.25	3.3	3.35	3.4	3.45	3.5	3.55	3.6	3.65	3.7
65	3.3	3.35	3.4	3.45	3.5	3.55	3.6	3.65	3.7	3.75
66	3.35	3.4	3.45	3.5	3.55	3.6	3.65	3.7	3.75	3.8
67	3.4	3.45	3.5	3.55	3.6	3.65	3.7	3.75	3.8	3.85
68	3.45	3.5	3.55	3.6	3.65	3.7	3.75	3.8	3.85	3.9
69	3.5	3.55	3.6	3.65	3.7	3.75	3.8	3.85	3.9	3.95
70	3.55	3.6	3.65	3.7	3.75	3.8	3.85	3.9	3.95	4
71	3.6	3.65	3.7	3.75	3.8	3.85	3.9	3.95	4	4.05
72	3.65	3.7	3.75	3.8	3.85	3.9	3.95	4	4.05	4.1
73	3.7	3.75	3.8	3.85	3.9	3.95	4	4.05	4.1	4.15
74	3.75	3.8	3.85	3.9	3.95	4	4.05	4.1	4.15	4.2
75	3.8	3.85	3.9	3.95	4	4.05	4.1	4.15	4.2	4.25
76	3.85	3.9	3.95	4	4.05	4.1	4.15	4.2	4.25	4.3
77	3.9	3.95	4	4.05	4.1	4.15	4.2	4.25	4.3	4.35
78	3.95	4	4.05	4.1	4.15	4.2	4.25	4.3	4.35	4.4
79	4	4.05	4.1	4.15	4.2	4.25	4.3	4.35	4.4	4.45
80	4.05	4.1	4.15	4.2	4.25	4.3	4.35	4.4	4.45	4.5
81	4.1	4.15	4.2	4.25	4.3	4.35	4.4	4.45	4.5	4.55
82	4.15	4.2	4.25	4.3	4.35	4.4	4.45	4.5	4.55	4.6
83	4.2	4.25	4.3	4.35	4.4	4.45	4.5	4.55	4.6	4.65
84	4.25	4.3	4.35	4.4	4.45	4.5	4.55	4.6	4.65	4.7
85	4.3	4.35	4.4	4.45	4.5	4.55	4.6	4.65	4.7	4.75
86	4.35	4.4	4.45	4.5	4.55	4.6	4.65	4.7	4.75	4.8
87	4.4	4.45	4.5	4.55	4.6	4.65	4.7	4.75	4.8	4.85
88	4.45	4.5	4.55	4.6	4.65	4.7	4.75	4.8	4.85	4.9
89	4.5	4.55	4.6	4.65	4.7	4.75	4.8	4.85	4.9	4.95
90	4.55	4.6	4.65	4.7	4.75	4.8	4.85	4.9	4.95	5
91	4.6	4.65	4.7	4.75	4.8	4.85	4.9	4.95	5	5.05
92	4.65	4.7	4.75	4.8	4.85	4.9	4.95	5	5.05	5.1
93	4.7	4.75	4.8	4.85	4.9	4.95	5	5.05	5.1	5.15
94	4.75	4.8	4.85	4.9	4.95	5	5.05	5.1	5.15	5.2
95	4.8	4.85	4.9	4.95	5	5.05	5.1	5.15	5.2	5.25
96	4.85	4.9	4.95	5	5.05	5.1	5.15	5.2	5.25	5.3
97	4.9	4.95	5	5.05	5.1	5.15	5.2	5.25	5.3	5.35
98	4.95	5	5.05	5.1	5.15	5.2	5.25	5.3	5.35	5.4
99	5	5.05	5.1	5.15	5.2	5.25	5.3	5.35	5.4	5.45
100	5.05	5.1	5.15	5.2	5.25	5.3	5.35	5.4	5.45	5.5

~W~

○/mmh

Position E2 E3 A2 A4 E1 C3 C4 A5 D5 B5

1	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55
2	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6
3	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65
4	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7
5	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75
6	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8
7	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85
8	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9
9	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95
10	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	1
11	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	1	1.05
12	0.65	0.7	0.75	0.8	0.85	0.9	0.95	1	1.05	1.1
13	0.7	0.75	0.8	0.85	0.9	0.95	1	1.05	1.1	1.15
14	0.75	0.8	0.85	0.9	0.95	1	1.05	1.1	1.15	1.2
15	0.8	0.85	0.9	0.95	1	1.05	1.1	1.15	1.2	1.25
16	0.85	0.9	0.95	1	1.05	1.1	1.15	1.2	1.25	1.3
17	0.9	0.95	1	1.05	1.1	1.15	1.2	1.25	1.3	1.35
18	0.95	1	1.05	1.1	1.15	1.2	1.25	1.3	1.35	1.4
19	1	1.05	1.1	1.15	1.2	1.25	1.3	1.35	1.4	1.45
20	1.05	1.1	1.15	1.2	1.25	1.3	1.35	1.4	1.45	1.5
21	1.1	1.15	1.2	1.25	1.3	1.35	1.4	1.45	1.5	1.55
22	1.15	1.2	1.25	1.3	1.35	1.4	1.45	1.5	1.55	1.6
23	1.2	1.25	1.3	1.35	1.4	1.45	1.5	1.55	1.6	1.65
24	1.25	1.3	1.35	1.4	1.45	1.5	1.55	1.6	1.65	1.7
25	1.3	1.35	1.4</							

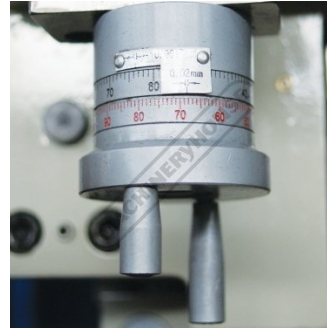
Product Brochure For K008A



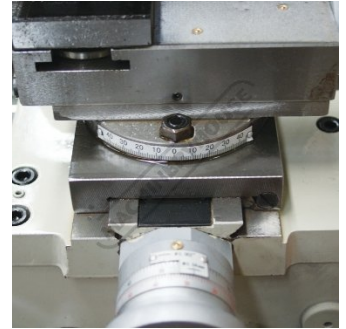
Saddle Hand Wheel



Crossslide Hand Wheel



Compound Slide Hand Wheel



Swivel Compound Slide



Light and Coolant Hose



3 Point Fixed Steady



2 Point Travelling Steady



Tailstock



Tailstock Quill



Tailstock Hand Wheel



Induction Hardened Bedways



Included Accessories



12mm Lathe Toolset



12mm Lathe Threading



12mm Lathe Parting Tool



3MT Live Centre

Product Brochure For K008A



16mm Drill Chuck



Arbour

Recommended Accessories

P235

Coolant Pump & Tank

L292

Quick Change Toolpost

L295

Quick Change Toolpost

L277

Vertical Mill Slide



C980

5C Collet Lathe Adaptor

L015

Right Hand Turning Tool Holder

L016

Left Hand Turning Tool Holder

L0099

Lathe Turning Tool Kit - 7 piece Insert Type



Product Brochure For K008A

L450

Lathe Turning Tool Kit - 3 piece
 Insert Type



L456

Lathe Threading Tool Kit - Insert
 Type



L464

Professional Lathe Parting Tool
 Kit - Insert Type



L073

Parting Tool Holder - Suits 1/2"
 HSS Tool Bit



L076

Knurling Tool Holder Kit



C052

3MT Live Centre



C045

3MT Pipe Centre - 70° Cone



C290

Heavy Duty Drill Chuck - Keyed
 Type



D443A

3MT 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



Product Brochure For K008A

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



G660

Lathe Leadscrew Cover Kit



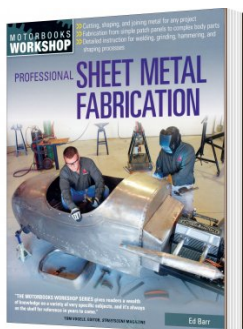
G659

Lathe Leadscrew Cover Kit - Concertina



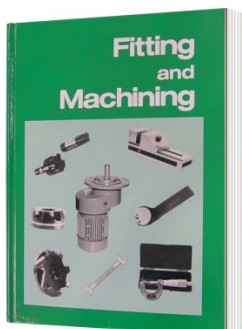
L3455

Professional Sheet Metal Fabrication Book



L341

Fitting and Machining Technical Book



L300

Magnetic Swarf Remover



M9991

Magnetic Floor Sweeper



Product Brochure For K008A

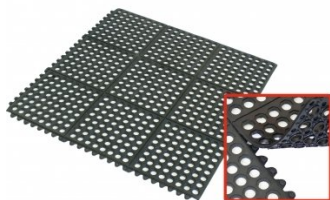
M800

Rubber Mat - Anti-Fatigue



M805

Rubber Mat - Anti-Fatigue



O000

SpillFix Universal Organic Absorbent



O043

Rust & Corrosion Preventive



O042

General Purpose Lubricant & Corrosion Inhibitor



O040

Rust & Corrosion Preventive



O044

Rust & Corrosion Preventive

