

M A N U A L

FOR

'SENIOR' TYPE "E" VERTICAL MILLER

DENFORD MACHINE TOOLS LIMITED

GENERAL SPECIFICATION

Table Size	635 x 152 mm.
Tee Slots	10 (3/8)
Table Movement 'X'	380
Table Movement 'Y'	165
Table to Floor	1050
Quill Movement	65
Spindle Taper	I.S.O. 30
Spindle Speeds	260/700/1300/2300
Spindle Motor	0.37 KW
Spindle Rotation (Vertical Plane)	360°
Spindle Rotation (Horizontal Plane)	360°
Overall Size	1830 x 650 x 1155 mm
Net Weight	164 Kg.

INSTALLATION

Cleaning

On delivery, the machine will have the bright surfaces coated with a protective solution. This must be removed, using a kerosene based solvent, before any attempt is made to move the slides or operate the machine.

Lubrication

The recommended type of oil to be used :-

Shell Vitrea 68 - or equivalent

The table slideways are lubricated by two spring type oilers - one at the left hand side and one at the rear left hand side of the cross-slide.

Lightly oil the slideways by hand before the initial use.

S.P.H.D. 30 INT. TAPER

<u>Drg. No.</u>	<u>Description</u>
1	Body
2	Spindle
3	Bearing End Cap
4	Taper Roller Bearing. SKF 32007X
5	Locking Stud
6	Locking Nut
7	Bearing Spacer
8	Rack Quill
9	Bearing Locknut
10	Bearing Adjusting Screw
11	Pulley Sleeve
12	Std. Key $\frac{1}{4}$ " Wide
13	Bearing. SNR 7206
14	Obsolete
15	Driven Pulley
16	$\frac{1}{4}$ " Grubscrew - Oil Plug
17	Socket Cap Screw 2BA
18	Cover Plate
19	Domed Cover
20	Locknut and Washer. KM6 MB6
21	Motor - $\frac{1}{3}$ H.P.
22	Socket Set Screw $\frac{1}{4}$ " Whit
23	Motor Flange-Tensioning Plate
24	Drive Pulley
25	Pulley Housing
26	Socket Cap Screw 2BA
27	Draw Bolt
28	Drive Bearing Housing
29	5/16" Oiler
30	5/16" Plain Washer
31	5/16" B.S.F. Hex. Nut
32	5/16" Tee Bolt
33	1" dia. Ball
34	Lever
35	Locking Lever
36	Locking Collar
37	Driving Dog
38	Spring
39	Spring Retaining Screw

<u>Drq. No.</u>	<u>Description</u>
40	Socket Set Screw 2BA
41	Pinion
42	Distance Piece
43	Worm Housing
44	Worm Wheel
45	Clutch
46	Std. Key 3/32" wide
47	Shaft
48	Spring Housing
49	Driving Plate
50	Socket Cap Screw 2BA
51	Handle
52	Socket Set Screw 2BA
53	Shaft
54	Knob
55	Index Collar
56	Locking Screw
57	Index Plate
58	Collar
59	Taper Pin 1/8"
60	Socket Cap Screw 1/4" Whit.
61	Worm
62	Clamp Bolt - Motor
63	1/2" B.S.F. Hex. Nut
64	1/2" Plain Washer
65	Swivel Pin
66	Pulley Housing Cover
67	Socket Set Screw 2BA
68	Socket Set Screw 3/16" Whit.
69	Depth Stop Screw 5/16" B.S.F.
70	Depth Stop Locknut Top
71	Depth Stop Locknut Bottom
72	Stop Plate
73	5/16" B.S.F. Nut
74	2BA x 3/8" C/S Screws
75	Springwell Oiler
76	Back Plate
77	Taper Strip for Back Plate
78	Hex. Head 3/8" Whit.
79	3/8" Standard Washer

