

SPARE PARTS MANUAL



DENFORD MACHINE TOOLS LIMITED.

REPLACEMENT PARTS LIST.

'EASITURN' CNC LATHE.

HEADSTOCK

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>NO.</u>
BVS.160/63	HEADSTOCK	1
160/55	MAIN SPINDLE	1
160/62	SPINDLE COOLANT & RETURN	1
MVS.100/119	CAMLOCK KEY	1
120	CAM	3
122	DETENT PLUNGER	3
124	BEARING CAP	1
127	LOCKNUT	2
128	SPINDLE SPACER	1
152	FRONT BEARING SPACER	1
SP. 169	TOMMY BAR	1
181	SOFT CENTRE (NO. 4 MT)	1
BVS.160/ 56	BEARING COLLAR	1

-oOo-

CABINET

BVS.100/204	SUMP COVER	1
205	DRAIN PLUG	1
206	RETURN PLUG	1
207	DOOR HINGE	2
208A	COOLANT PUMP COVER PLATE	1
ML.100/219A	CABINET DRAIN FILTER	1
SP. 106	HINGE BUSH	2
BVS.100/201S	CABINET	1
64	CABINET FOOT	4
160/36A	CONTROL HOUSING	1
41B	REMOTE CONTROL HOLDER	1
43A	REAR SPLASH GUARD	1
44	INSPECTION COVER	1
45	DRIVE GUARD COVER	1
47	SLIDING GUARD	1
50	GUARD HANDLE	1
53	SLIDING RAIL BASE SUPPORT	1
54	GUARD HANDLE SPACERS	4
73	DIVIDING PANEL	1
75	TRANSFORMER MOUNTING PLATE	1

REPLACEMENT PARTS LIST'EASITURN' CNC LATHE.CABINET - CONTINUED

<u>PART NO.</u>	<u>DESCRIPTION.</u>	<u>NO.</u>
CH.263	LO VO LIGHT SOCKET LABLE	1
265	ELECTRIC SYMBOL	1
268	EMERGENCY STOP SURROUND	1
269	ELECTRICAL WARNING LABEL	2
284B	STARTER BOX PANEL	1

COOLANT.

BVS.150/32	COOLANT PIPE	1
SP. 164	TAILPIECE ADAPTOR	2
189	$\frac{1}{2}$ " HOSE ADAPTOR	1
EM.100/28	$\frac{1}{2}$ " B.S.P. TAILPIECE ADAPTOR	2

BED ASSEMBLY

BVS.100/402	BED	1
150/ 84	REAR SENSOR COVER	1
160/ 37	MICRO SWITCH SPACER	1
38	SENSOR COVER ARM	1
64	ADJUSTABLE MICRO SWITCH HOUSING	1
ML. 100/404	BED TENON	2
405	HEADSTOCK STRIP	1
406	BED END STOP	1
SP. 180	STUD	4

SPINDLE DRIVE

BVS.160/ 51	MOTOR PULLEY	1
52B	SPINDLE PULLEY (2000 RPM)	1
52C	SPINDLE PULLEY (3000 RPM)	1
58A	MOTOR BRACKET	1
59A	MOTOR BRACKET FOOT	1
60	SPINDLE SENSOR BRACKET	1
61	SPINDLE SENSOR PLATE	1
67	MOTOR BRACKET STOP	1
68	MOTOR BRACKET PIVOT PIN	2
74	MOTOR PULLEY (4000 RPM)	1

REPLACEMENT PARTS LIST.'EASITURN' CNC LATHESADDLE DRIVE.

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>NO.</u>
BVS.160/ 1	BALLSCREW	1
2	FEEDBOX	1
3	MOTOR BRACKET	1
4A	APRON	1
5	END BRACKET	1
7	BEARING CAP	1
8	MOTOR BRACKET LOCATING RING	1
9	EXTENSION BUSH	1
10	INTERMEDIATE DRIVE SHAFT	1
11	LOCATING BUSH	4
BVS.150/71A	GUARD RETAINING RING	2
83	SENSOR TRIP BRACKET	2
BVS.160/ 40	16T INTERMEDIATE PULLEY	1
57B	BALLNUT FLANGE	1
70	REDUCING RING	1

REPLACEMENT PARTS LIST.'EASITURN' CNC LATHESADDLE & CROSS SLIDE DRIVE.

<u>PART NO.</u>	<u>DESCRIPTION.</u>	<u>NO.</u>
MVS.100/513	SADDLE REAR GIB STRIP	1
BVS.150/10	CROSS SLIDE	1
11	SADDLE	1
13B	CROSS SLIDE BALL SCREW	1
14A	CROSS SLIDE END COVER	1
37A	30T PULLEY	1
38A	BALL NUT ADAPTOR	1
42A	SIDE PLATE	1
68	DRIVE BRACKET DOWELS	2
73	REAR CLUTCH GUARD	1
79	FRONT SPINDLE	1
80	CROSS SLIDE WIPER	1
85	BELT TENSION ARM	1
ML.100/507	SWIVEL SLIDE LOCKING PIN	3
508B	CROSS SLIDE GIB STRIP	1
512	CROSS SLIDE SPIGOT INSERT	1
CH. 186	IMPERIAL DIAL DIVISION CHART	2
BVS.160/15A	BASE	1
16	COMPOUND SLIDE	1
17	TOP SLIDE	1
18	DIAL	2
19	RH FEED SCREW	1
20	RH FEED NUT	1
21	LH FEED SCREW	1
22	LH FEED NUT	1
23	GIB STRIP	1
24	END PLATE	1
25	END PLATE	1
26	TOOL POST STUD	1
27	ADAPTOR SLEEVE	1
28	CROSS SLIDE BEARING HOUSING	1
29	DRIVE BUSH	1
35	DRIVE SPINDLE	1
42	CROSS SLIDE DRIVE BRACKET	1
64	ADJUSTABLE MICRO-SWITCH HOUSING	1
65	CLAMP PLATE	1
69	SADDLE FRONT GIB STRIP	1
72	MICRO-SWITCH TRIP	1

REPLACEMENT PARTS LIST'EASITURN' CNC LATHETAILSTOCK

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>NO.</u>
MVS. 100/701	TAILSTOCK BODY	1
702	TAILSTOCK SHOE	1
703	END CAP	1
705E	BARREL (IMPERIAL)	1
705M	BARREL (METRIC)	1
707	NUT	1
701A/B	BARREL CLAMPS	1 SET
711	EJECTOR PIN	1
712	CLAMP HANDLE STOP	1
BVS. 100/706	TAILSTOCK SCREW	1
SP. 135	CLAMP PAD	1
147A	CLAMP ECCENTRIC	1
148A	CLAMP PIN	1
171A	LOCKING STUD	1
172	TEE KEY	1

-000-

REPLACEMENT PARTS LIST'EASITURN' CNC LATHEBOUGHT OUT ITEMSHEADSTOCK

<u>DESCRIPTION</u>	<u>MANUFACTURER</u>	<u>REF. NO.</u>	<u>NO.</u>
BEARING	FAG	6209 2RS	1
ROLLER BEARING	TIMKEN	CONE: 18790	2
ROLLER BEARING	TIMKEN	CUP: 18720	2
GREASE NIPPLE	LUMATIC	HP2/45	1
SQUARE DRIVE KEY		$\frac{3}{8}$ " SQ x 2"	1

SPINDLE DRIVE CONTROL

DRIVE MOTOR
DRIVE BELT

ASEA
WM. KENYONS

MK 110.021 - 5
MT 90L - 4
340J10 (2000 RPM) 1
320J10 (3000 RPM)
380J10 (4000 RPM)

CABINET.

DOOR LOCK
KNOBS
NYLON GLAND
HANDLES
PLASTIC RIVETS (BLACK)
PLASTIC RIVETS
EMERGENCY STOP
RUBBER MAT

LOW & FLETCHER
ELESA
EGATUBE
HEMO
HARMSWORTH TOWNLEY
HARMSWORTH TOWNLEY
DOLBY

SB. 44 1
VTR. 40B. M8 1
A2 251 7
102. 5" 3
201 080551 00 10
239 ED 868 12
3/16" FLUTED
(GREEN) 16"x13 $\frac{1}{2}$ " 1
 $\frac{1}{2}$ "x $\frac{1}{2}$ "x $\frac{1}{8}$ " - 33 $\frac{1}{2}$ " 2
 $\frac{1}{2}$ "x $\frac{1}{2}$ "x $\frac{1}{8}$ " - 8" 2
 $\frac{1}{2}$ "x $\frac{1}{2}$ "x $\frac{1}{8}$ " - 16" 2
 $\frac{1}{2}$ "x $\frac{1}{2}$ "x $\frac{1}{8}$ " - 13 $\frac{1}{2}$ " 2
TYPE 18 MM
(TEROTRIM)

ALUMINIUM ANGLE
ALUMINIUM ANGLE
ALUMINIUM ANGLE
ALUMINIUM ANGLE
GUARD TRIM

TEROSON HEIDELBERG

REPLACEMENT PARTS LIST

'EASITURN' CNC LATHE
COOLANT SYSTEM

BOUGHT OUT ITEMS

DESCRIPTION	MANUFACTURER	REF. NUMBER	NO.
COOLANT PUMP	M.G. ELECTRICS	AQ3/2/SS 3-phase	1
COOLANT TAP	DRANWALL	25/4440/00	1
FEMALE ELBOW	ENOTS	34-0328-17	2
JUBILEE CLIP		22-30 mm	2
CLEAR TUBE	GRIFLEX	$\frac{3}{4}$ " BORE x 20"	1
CLEAR TUBE	GRIFLEX	$\frac{1}{2}$ " BORE x 4"	1
CLEAR BRAIDED	GRIFLEX	$\frac{1}{4}$ " BORE x 23"	1
DRAIN PLUG	ADAMS	NP.50.G.	1
SKT. HEAD CAP SCREW		M5-16	2
-do-		M6-12	2
SKT. HEAD BUTTON		M6-12	3

REPLACEMENT PARTS LIST'EASITURN' CNC LATHEBOUGHT OUT ITEMSSADDLE DRIVE

<u>DESCRIPTION</u>	<u>MANUFACTURER</u>	<u>REF: NO.</u>	<u>NO.</u>
STEPPING MOTOR	CETRONIC DYNAMICS	HY200-3450-350-A8	1
TIMING BELT	UNIROYAL	187 L 050	2
TIMING PULLEY	FENNER	16 L 050	1
TIMING PULLEY	FENNER	24 L 050	1
TIMING PULLEY	FENNER	27 L 050	1
TIMING PULLEY	FENNER	28 L 050	1
TAPER LOCK BUSH	FENNER	1108 - 20	1
TAPER LOCK BUSH	FENNER	1108 - $\frac{3}{8}$ "	1
TAPER LOCK BUSH	FENNER	1108 - 28	1
BALL SCREW BEARINGS	FAFNIR	MM9306 W1-2-Quad	1 SET
BALL BEARINGS	FAG	6202 2RS	4
LOCKNUT	FAG	KM. 4	1
TABWASHER	FAG	MB. 4	1
SPIRAL COVERS	NADELLA	WMB 040 0750-050	2
SQUARE DRIVE KEY		8 x 25	1
SQUARE DRIVE KEY		6 x 47	1
SQUARE DRIVE KEY		5 x 20	1
SK. HD. CAP SCREW		M10 x 30	4
SK. HD. CAP SCREW		M8 x 40	3
SK. HD. CAP SCREW		M8 x 20	7
SK. HD. CAP SCREW		M6 x 25	6
SK. HD CAP SCREW		M5 x 16	4
SK. COUNTERSUNK SCREW		M6 x 20	3
MICRO-SWITCH	BURGESS	M2V3HM6S	2
BALLNUT	WARNER ELECTRIC	RM 2505 A	1
BALLNUT	WARNER ELECTRIC	RM 2505 UF	1

REPLACEMENT PARTS LIST'EASITURN' CNC LATHEBOUGHT OUT ITEMS.SADDLE & CROSS SLIDE DRIVE

<u>DESCRIPTION</u>	<u>MANUFACTURER</u>	<u>REF: NO.</u>	<u>NO.</u>
STEPPING MOTOR	SIGMA	21 34350 D200 FO 5	1
TIMING BELT	UNIROYAL	110 XL 037	1
TIMING BELT	FENNER	24 x L 037	1
JOCKEY PULLEY	NADELLA	GC. 16 EE	1
THRUST BEARING	S. K. F.	XR2 203502	1
THRUST PLATE	S. K. F.	AS 2035	2
THRUST BEARING	TORRINGTON	NTA 613	4
THRUST PLATE	TORRINGTON	TRA 613	8
NEEDLE BEARING	NADELLA	RAX. 725	1
LOCKNUT	FAG	KM2	1
TAB WASHER	FAG	MB 2	1
SLIDE WAY WIPER	HYDRAQUIP	STD. A1	6"
TOOLBOX	HAHN & KOLB	'A' TYPE	1 SET
OILER	LUMATIC	BO 4	3
SKT. HD. CAP SCREW		5/16" BSW x 1 1/4"	2
SKT. HD. CAP SCREW		5/16" BSW x 1"	2
SKT. HD. CAP SCREW		M8 x 35	2
SKT. HD. CAP SCREW		M6 x 16	1
SKT. HD. CAP SCREW		M6 x 12	7
SKT. HD. CAP SCREW		M5 x 16	4
SKT. HD. CAP SCREW		M5 x 10	4
SKT. HD. CAP SCREW		2 BA x 1"	2
GRUB SCREW		M10 x 10	3
GRUB SCREW		2BA x 7/8"	3
GRUB SCREW		2BA x 1/2"	3
STD. HEX NUT		2BA	6
STD. WASHER		5/16"	2
GROOVE PIN		3/16" DIA x 1 1/2"	1
GROOVE PIN		3mm x 20	2
BEARING INNER BUSY	NADELLA	1M 20. 25. 20. 4	1
THRUST PLATE	NADELLA	CP. 25. 42.	1

REPLACEMENT PARTS LIST'EASITURN' CNC LATHEBOUGHT OUT ITEMSTAILSTOCK

DESCRIPTION	MANUFACTURER	REF. NO.	NO.
HANDWHEEL	ELESA	VDO-125FP-1	1
LEVER ARM	ELESA	EL 366.10x155	1
CONTROL LEVER	ELESA	LER.37/85/A10	1
OILER	LUMATIC	BO4	2
GROOVE PIN		3MM x 45	1
GROOVE PIN		1/8" x 1.1/2"	1
GRUB SCREW (PLAIN CUP PT)		M8 - 45	2
GRUB SCREW (DOG PT)		M6 x 6	1
GRUB SCREW (KNL CUP)		M6 x 6	1
GRUB SCREW (KNL CUP)		M5 x 6	3
NYLOC NUT		M10	1
STD. WASHER		M10	1
SKT. HD CAP. SCREW		M6 - 20	4