

ORD MACHINE TOOLS, BRIGHOUSE, YORKSHIRE.		DRG. No. General Arrangement SH5003		E: T.D.S. 12/16" 16" Sharpedge.	
SHEET No.	DATE	CUT OFF SIZE	No. OFF	MATL.	DESCRIPTION
1	2-7-64				Table
2					Swivel Block
3					Plane Blade & Chisel Plate
4					Swivel Arm
5					Clamp Screw end
7					Main spindle
9					Locknut
10					Clamp screw
11					Bush
12					Plane Clamp Sliding tenon
13					Drum
14					Lever Arm
21					Swivel Block shaft
22					Cabinet Door
23					Cabinet
33					Lever arm pivot pin
35					Plane Iron & Chisel Clamp
36					Oil pipe stopper (See B.O. Parts.)
37					Oil pipe
38					Inner Disc
41					Eccentric Lever locating Pin
43					Base plate
44					Stud Thrust Washer
110					Extension Stud
1					Table
2					Swivel Block
3					Plane Blade & Chisel Plate
4					Swivel Arm
5					Clamp Screw end
7					Main spindle
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110					Extension Stud

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No.	DESCRIPTION	MATL.	No. OFF	CUT OFF SIZE
	<u>Micro-switch</u>			
	Type D.S.3. 521	—	1	Burgess.
	<u>Oil Pump</u>			
	Type E50-426	—	1	A.C. Pumps.
	<u>Starter Motor</u>			
	Type ATF 2.C.I. (Single Phase) OR.	—	1	Brook
	Type ATF 3.B.I. (3 Phase)	—	1	Brook
	<u>Motor</u>			
	Type 9019 H.A.F. 2541 (Single Phase) OR.	—	1	Hoover
	Type 9306 H.A.F. 2541 (3 Phase)	—	1	"
	<u>Beams</u>			
	Type 6200 3	—	1	Fag.
	<u>Circuits</u>			
	Type 1400 / 10mm	—	1	Anderson
	" 1400 / 6mm	—	1	"
	" 1400 / 1 1/4"	—	2	"
	<u>Split Pin</u>			
	3/32" dia x 1 1/2" long.	—	1	
	<u>Knobs</u>			
	1 1/4" o.d. x 5/8" Whit. Red. Plastic	—	2	M's Millers.

No.	DESCRIPTION	MATL.	No. OFF	CUT OFF SIZE
	V. belt.			
	Type A 11 1/2" x 40" x 3"		1	Branner
	Tubing.			
	GriPlex clear : 3" o.d. x 5" l.o.d.			
	" : 1/2" i.d. x 3/4" o.d.			GriPlex.
	GEAR BOX			
	Type : 341503		1	Holroyd.
	Grinding wheel.			
	Type A803 V - JA613		1	Mitchell.
	Bushs.			
	Oilite bush type C.T.F.369 x 1 1/2"		1	Lubrock
	Clips			
	3/8" dia type 1439		6	Terry.
	Door Catch Spring & Stud.			
	Spring type SRV 1637/1710		1	Stenor.
	Std " SBV 1698/1710			
	Dowels			
	1/4" dia x 2" long		1	taper pin
	3/16" dia x 1 1/2" long		1	
	" x 2 1/2" "		1	
	1/8" dia x 1/2" "		2	Self-lok pins
	Locknuts			
	Std. 1/4" wht.		2	

Grubs.

1/2" Whit x 1/2" long

1/4" Whit x 1/4" long

1/8" Whit x 1/8" long

Set screws.

1" Whit x 1" long

1/2" Whit x 1/2" long

1/4" Whit x 1/4" long

3/8" Whit x 3/8" long

Nuts & Washers

Std 3/8" Whit wedge lock nut

Std 5/16" nuts & washer

3/16" spring washer

4 B.A. nuts

Std 3/8" washer locknuts

C'sk screws

4 B.A. x 1/2" long

1/2" Whit x 1/2" long

Self-Tapping screws

No 6 c'sk

No 8

Thumb screws

1/4" Whit x 1 1/2" long

Unbrako

4

2

1

1

1

1

1

1

1

1

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1

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Charts.

CH 115 24 sq x 4" x 7 1/2"
CH 117 28 " x 1 1/2" dia

Oiled System Parts.

Tubing ref: 218

" Sleeve " : 24

Nipple Adaptor " : 2370-1

Male Elbow " : Y105

Bulk head Connector " : 286

Lock nut ref: 157

Tailpiece Connector " : 2371-1

3/8" B.S.P. Washer " : 1386C (Alum)

Universal Stem Tee " : Y1003-3

Bundy Tubing 5/16" o.d. x 7 1/2" x 22 sq

Oil Seal

Ref: H Ring

PP 180 - 19.

Rivets

Hdn brass rivets Type 'U' x 3/16"

Terminal Junction Box.

Terminal Ext. Box. ref C 6103

Cover ref CA 4501

Male Insert 3/4" dia. 16 T.P.I. Conduit thrd.

Locknut

Gear box pulley

Motor pulley.

Aluminium

Steel

Brass

Oriental Tube Co.

GFC

Coles.
Coles.

Dowty.

SHEET NO. 1		DATE 13.3.70	
DENFORD MACHINE TOOLS, BRIGHOUSE, YORKSHIRE.		ASSY. DRG. No. General Assembly S.H.100A.	
TITLE: 10" Junior Sharpege. With Workarm.			

RG. No.	No.	DESCRIPTION	MATL.	No. OFF.	CUT OFF SIZE
100	A	Arrangement	—	—	—
"	1A	Worktable.	Alum.	1	Castng
"	11	Motor Coupling	B.O. Part	1	See B.O. Lists
"	17	Cutout Cover Plate	St. Steel	1	14 SWG.
"	18	Cabinet	"	1	12 SWG
"	29	Grinding Wheel.	B.O. Part	1	See B.O. Lists
"	31	Honing Oil Tank.	St. Steel	1	16 S.W.G.
"	32	Eccentric.	H.S.	1	1" D x 1 1/2"
"	33	Oil Pipe.	Bundy tubing	1	5/16" D. x 22 S.W.G.
"	34	Bush.	M.S.	1	1 1/4 D x 5 1/2"
"	35	Swivel Block Shaft.	"	1	3/4" D x 6 5/16"
"	36	Boss.	CI	1	2 5/8" D x 2"
"	37	Inspection Cover Plate.	St. Steel.	1	6" x 6" x 14 SWG.
003	2	Swivel Block.	CI.	1	Castng
"	3	Plane Blade & Chisel Plate.	"	1	"
"	4	Swivel Arm.	"	1	"
"	5	Clamp Screw End.	H.S.	1	7/8" D x 1/2"
"	7	Main Spindle.	"	1	1 3/4" D x 5 5/16"
"	9	Locknut.	Mail Iron	1	Castng.
"	10	Clamp Screw.	M.S.	1	1" D x 3 1/8"
"	12	Plane clamp Sliding Tennon.	"	1	1 1/2" Sq x 1/2"
"	35	Plane Iron & Chisel clamp.	CI.	1	Castng.
"	36	Oil Pipe Stopper.	M.S.	1	5/16" D x 5/8"
"	38	Inner Disc.	Mail Iron	1	Castng.
"	42	Stud.	M.S.	1	1/2" D x 3 1/2"
"	44	Thrust Washer.	"	1	1 3/4 D x 1 1/2"
P103	D	Locking Handle	"	1	3/4 D x 2 13/16"
"	B	" Stud.	H.S.	1	3/8 D x 1 3/4"
"	C	Pad.	Brass	1	1 1/4 D x 1 1/2"
C.H.	116	Nameplate.	Brass Sh	1	24 S.W.G.
"	118	Lubrication Chart.	"	1	"
SK.	314	Foot.	B.O. Part	2	See B.O. List

RG. No.	DESCRIPTION	MATL.	No. OFF	CUT OFF SIZE
	Hex Hd. Set screws.			
X	5/16" whit x 2 1/2" long	—	4	
X	" " x 1 1/2" "	—	9	
X	1/4" " x 1" "	—	4	
X	2 B.A " x 1/2" "	—	2	
	3/8" whit x 1 1/2" "	—	1	
	Motor.			
	"4h.p. Single Phase ref: 9019. HAF 2541	—	1	
	or			
	1/4h.p. 3phase ref. 9306 HAF: 2541	—	1	
	Starter Motor.			
	Single Phase type ATF 2C1	—	1	Brook.
	or			
	3 Phase type ATF 3B1	—	1	"
	Radian Unit.			
	Type 341503.	—	1	Holroyd.
	Flexible Coupling.			
1100 11	5/8" & 7/16" bore x 2 1/2" long type F10.	—	1	Mehlschick Ltd
	Clips.			
	Tube clip: 3/4" dia ref: 1234	—	1	Terry.
	" " : 3/8" dia ref: 1439	—	4	"
	Cable Clip: Single	—	1	West Yorks
	Grommet.			Electric
	3/4 dia	—	1	

QRG. No.	DESCRIPTION	MATL.	No. OFF.	CUT OFF SIZE
	<u>Clear Tube.</u>			
	3/4" O.D. x 1/2" I.D. x 4" long.	—	1	
	3/8" O.D. x 5/16" I.D. x 6" long.	—	1	
	" " " " x 30" long.	—	1	
	<u>Washers.</u>			
	Std 5/16" washer.	—	21	
	" 1/4" "	—	4	
	" 3/8" Spring washer	—	1	
	<u>Rivets.</u>			
	Hdn. brass type U' x 3/16" long.	—	7	
	<u>Self Tapping Screws.</u>			
	Rd. Hd. No 8 x 1/2" long	—	8	
	<u>Grubs.</u>			
	1/4" Whit x 1/2" long dog pt.	—	4	Unbrako
	<u>Locknuts.</u>			
	Std 1/4" Whit.	—	6	
	<u>Oilite Bush.</u>			
	Type C.T.F. 3 69 x 1 1/2"	—	1	Bound Brook.
	<u>Cinclip.</u>			
	Type 1400/6 M/H.	—	1	
	" 1400/1 1/4"	—	1	Andertons

DENFORD MACHINE TOOLS, BRIGHOUSE, YORKSHIRE.
 ASSY. DRG. No. General Assembly. SH100A.
 TITLE: 10" Junior Shaperge with Workam B.O. Parts.

SHEET No. 18.

DATE

16.3.70

RG.	No.	DESCRIPTION	MATL.	No. OFF.	CUT OFF SIZE
		Circlips Cont.			
		Type 1400/10 H/H.			
		" 1800/3/4"			
		Grinding Wheel			
100	29	Ref BAA BOL-5V 10" x 1/4" x 1/8" bore.			
		Abma Foot.			
		Cable			
		Phase R.V.C. covered 2 core; 2 length 1'-2'-6" #1-2'-8"			
		Thumb screws			
		1/4" whit x 1 1/4" long.			
		Oil Seal.			
		'O' Ring R4100 PS.			
		Charts.			
		C.H. 116: 2A Swg. x 2 3/4" x 1 3/4"			
		C.H. 118: " " x 8 1/4" x 2 1/2"			
		Oilfeed System. Pmts.			
		Tubing nut ref: Z18.			
		" Sleeve " : Z4			
		Nipped Adaptor " : Z370-1			
		Hale Elbow " : Y105			
		Bulkhead Connector " : Z86			
		Locknut " : T57			
		Tailpiece Connector " : Z371-1			
		3/8" B.S.P Washer " : 1386C (Alum).			

S. No.	No.	DESCRIPTION	MATL.	No. OFF	CUT OFF SIZE
6		Drive Shaft	"	1	1" dia x 9 1/2"
7		Locknut	"	1	1 3/4" dia x 1 1/2"
8		Cone Wheel Oil Pipe	Bundy Tube	1	22SWG x 5 1/16" O.D. x 3 1/2"
12		Trough	M.S. Plate	1	12SWG.
16		Trough Return Pipe	Bundy Tube	1	22SWG x 5 1/16" O.D. x 2 1/2"
14		Top Wheel Oil Pipe	"	1	" x 4 1/2"
18		Grouge Support Block	M.S.	1	1 1/4" sq. x 1 1/4"
19		" " Arm	"	1	3/8" dia x 5 1/3"
103	D	Locking Handle	M.S.	1	3/4" dia x 2 13/16"
"	B	Locking Stud	M.S.	1	3/8" dia x 1 3/4"
"	C	Pad	Brass	1	1/4" dia x 1/2"
03	36	Oil Pipe Stopper	M.S.	1	5/16" dia x 5/8"
46		Re-inforcement Plate.	Sh. St.	1	7" x 6" x 1/8" W.G.
* This part SH101/14 is used instead of item SH5003/37.					

No.	DESCRIPTION	MATL.	No. OFF	CUT OFF SIZE
	<u>Bearing.</u>			
	Flange brg 3/4" dia ref: 47-MS-CI.	—	1	Fair.
	<u>Skt hd. cap screws.</u>			
	2 B.A. x 3/4" long	—	2	Unbrako.
	<u>Nuts</u>			
	Sta: 1/4" whit nuts	—	3	
	Sta: 1/4" whit locknuts	—	3	
	Sta: 2 B.A. wingnuts	—	2	
	<u>Grubs</u>			
	1/4" whit x 1/4" long	—	4	Unbrako
	" x " dog pt	—	2	"
	<u>Hex hd set screws</u>			
	1/4" whit x 1" long	—	3	
	<u>Washers</u>			
	1/4" washers std.	—	6	
	<u>Grinding Wheel</u>			
	Cone grinding wheel ref: WABO - HV.	—	1	Mitchell's.

5. No.

DESCRIPTION

MATL.

No. OFF

CUT OFF SIZE

	Perspex			
	$3\frac{1}{16}'' \times 3\frac{1}{2}'' \times 6\frac{3}{4}''$	—	1	Walkers.
	Tubing.			
	Clear tubing : $3\frac{3}{8}''$ O.D. x $5\frac{1}{16}''$ I.D. x 2'-6"			Griflex.

	Enots Tube Fittings			
	Stem Tee : ref : Y1000-3	—	1	Enots
	Tubing Nut : " : Z 18	—	1	"
	Sleeve : " : Z 4	—	1	"
	Locknut : " : T 57	—	1	"
	Bulkhead Connector : " : Z 86	—	1	"
	Nipple Adapter : " : Z 370-1	—	2	"
	Tap : " : T 9	—	2	Rotherhans.
1	Gear box Pulley.	Aluminium	1	Coles.

SHEET No. 1 DATE 19.7.66		TITLE: 16" Sharpedge Grinding M/c SSSY. DRG. No. Planer knife Attachment SH102	
CUT OFF SIZE		DESCRIPTION	
No.	OFF	MATL.	No.
1		M.S.	17
1 1/4" x 3/4" x 10 1/4"			Clamp
1		"	18
4 3/8" x 2 1/2" x 1/8"			" Support Plate
1		"	19
5/16" D. x 4 1/8"			Stud

S. No.	DESCRIPTION	MATL.	No. OFF	CUT OFF SIZE
	Plastic knob.	—		
	1 1/4" D. x 5/16" Whit	—	1	Mc millan.
	Thumbscrews.	—		
	Std. 1/4" Whit x 1" long	—	4	
	C'sk skt. hd. screws.	—		
	2 B.A. x 3/8" long	—	2	
	Donut			
	3/16" dia x 1/2" long		2	
	Skt. hd. cap screws			
	1/4" Whit x 1" long	—	1	Unbrako.
	SEL-LOC PINS.			
	1/8" DIA x 1 1/2" LONG	—	2	