

J.A.Crew & Co

Catalogue #30

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9. Every care has been taken to describe our goods accurately. Any errors are unintentional and will be amended if you advise us accordingly.
10. All goods are sold with a money back guarantee if you are not completely satisfied, providing they are returned, unused within 7 days of receipt. Items that have been cut to your specifications are excluded.
11. Near alternatives may be sent if goods are sold out unless your order indicates an objection to this procedure.
12. All materials and tools are offered subject to availability.
13. Many of our lines being of a surplus nature are understandably, not subject to Manufacturers Warranty. Therefore, no claim will be entertained for accidents arising from misuse, faults in manufacture, the effects of storage or handling, or for any other reason. Customers must, therefore, satisfy themselves that the goods are deemed suitable for the use intended. No guarantees are given other than our money back guarantee in condition 10.
14. Where reference is made to "list price" this is stated merely to convey as a guide, manufacturer's and/or supplier's current selling price. It must be stressed that this price would be for a brand new product covered by manufacturer's warranty or guarantee. These quoted prices are, to the best of our knowledge, correct and do not take into account special offers or trade discounts. Every effort is made to confirm their accuracy and any errors are unintentional.

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MATERIAL OFFCUTS

- BRASS** Mixed brass round, hexagon, strip and tube etc. from 1/8" up to about 1.1/2" dia. Typically 12" long. **Price 2Kg for £11.95**
- BRASS SHEET** Various gauges mostly between 1/32" and 1/8" thick in generous sizes. **Price 2Kg for £12.95**
- ALUMINIUM ALLOY** Round, strip, hexagon, etc. Max. dia. about 2". Typically 1/2" to 1.1/2" dia. **Price 2Kg for £12.95**
- STAINLESS STEEL** Non magnetic. Predominantly round bar up to 12" long. Mixed diameters and lengths. **Price 2Kg for £11.55**
- PLASTICS** Various assorted plastic materials. Approximately 1Kg. Predominantly round bar but may contain flats. **Price per pack £7.95**

201. **MAGLIGHT TORCHES** Maglight7 torches have the reputation of being the best and brightest torches in the world. They are superbly designed and perform so well they are standard issue to FIRE & POLICE personnel in countries throughout the world. High output Krypton bulbs are standard. It comes complete with spare bulb. The 3 'D' cell standard Maglight is now available at an excellent discount and represents a superb buy. It is now supplied with **Duracell 7** batteries.

STANDARD MAGLIGHT D

Size:50mm dia. x 300mm long
Complete with 3 D batteries.

Price £23.95

202. **SURGEONS SCALPEL SET** By Swan Morton. Probably the best modelling knife available. The polished nickel plated steel handle has a patent mount for securing the disposable blades which are carefully ground and honed. Naturally these are exceptionally sharp.
- The handle comes complete with five blades type 10A illustrated. Other blades are available in packs of 5 of one type.

Price £3.95 for a handle and 5 blades**Spare blades 5 for £0.65 or a box of 100 (one type) for only £9.45**

203. **STAINLESS WIRE ROPE** An extremely flexible multi-strand steel wire, 7 x 19 x 0.05mm encapsulated in a plastic sheath only 1.2mm dia. Approximately 1.6 metres long. **Price £1.45**
204. **SIDE CUTTERS** 120mm Side cutters by Peugeot. Cushion grip handles. A really nice set ideal for intricate electronic work. Cutting blade 8mm long. **Price £8.35**

205. **PRESSURE SWITCH** This is still a very popular line. This sensitive switch operates with a reduction of pressure. It has one normally closed contact which opens with a reduction of pressure of about 5 psi. 1/8 BSP taper thread.
Price £0.65 each, £0.55each/10, £0.50 each/100
206. **PIANO WIRE** Available in the following sizes. All one price at £0.70 per 10 ft length
18 SWG, 20 SWG, 22 SWG, 24 SWG,
26 SWG, 28 SWG
Price 10 ft for £0.70 each
207. **STEEL HOSE CLIPS** Various manufacturers such as Jubilee etc. An exceedingly useful assortment. May include some stainless steel. Pack of 10 mixed sizes from 3/4" to approx. 3" dia.
Price 10 for £3.80
208. **HEATING ELEMENT** One of the nicest we have seen. A curved enclosed ceramic insulated element 4.3/4" x 2.1/4" mounted on a polished aluminium reflector with brass stand off pillars. Silicon rubber high temperature leads. When cold weather approaches don't miss out. Ideal for workshops, greenhouses etc. I can personally recommend these as I am using two against frost in my water softener plant.
240V ac @ 125 watts.
A snip at only £6.95 each
209. **SOLID CARBIDE DRILLS** We have received a very large parcel of these drills from a liquidation sale. 5 assorted solid carbide drills ranging in size from around 1mm up to about 1/8" diameter. These are either new or re-sharpened. List price around £6 each.
My price 5 for £2.00
210. **PROFESSIONAL AIR KIT** By Sealey7. Contains Spray gun, Air blower, Oil spray gun with long access nozzle, Tyre inflation gauge and Air Hose. Really good value and an absolute bargain at this price.
My Price £41.25

MATERIALS

All bar materials are sold in standard 12" lengths. Some larger sizes are in stock or can be obtained at short notice. Cutting charge for bar materials: Up to 2" dia. **35p per cut.** 2" dia. and over **70p per cut.**

Sheet materials, except where indicated are sold in standard sized sheets. However, we can cut to your requirements, but please add **60p** cutting charge for each piece ordered (max dimension 24"). All sheet materials will be adequately packed to avoid damage in transit.

BRASS CZ 121 (BS 2874)

<u>Round</u>	3/32"	£ 0.20;	1/8"	£ 0.25;	3/16"	£ 0.40;	1/4"	£ 0.70;
	5/16"	£ 0.95;	3/8"	£ 1.35;	7/16"	£ 1.65;	1/2"	£ 2.45;
	5/8"	£ 3.85;	3/4"	£ 4.95;	1"	£ 8.55;	1.1/4"	£12.50;
	1.3/8"	£14.85;	1.1/2"	£17.10;	2.1/8"	£29.35.		

<u>Hexagon</u>	1/8"	£0.30;	3/16"	£0.45;	1/4"	£0.90;	5/16"	£1.45;
(AF)	3/8"	£1.95;	7/16"	£2.55;	1/2"	£3.25;	5/8"	£4.75;
	3/4"	£5.95;	7/8"	£7.45;	1"	£9.35.	1.1/2"	£19.55.

<u>Square</u>	3/16"	£0.70;	1/4"	£1.35;	5/16"	£1.55	3/8"	£2.65;
	1/2"	£3.65;	5/8"	£6.20;	3/4"	£8.05;	1"	£11.75
	1.1/2"	£21.55.						

<u>Flats</u>	1/16" x 7/16"	£0.80;	3/32" x 5/16"	£0.75;	3/32" x 3/4"	£1.65;
	1/8" x 3/8"	£1.05;	3/16" x 1/2"	£2.95;	7/32" x 1.1/4"	£4.95;
	1/4" x 1/2"	£3.40.				

<u>Angle</u>	3/8" x 3/8" x 1/16"	£1.45.
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<u>Channel</u>	3/8" x 3/8" x 1/16"	£1.55.
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<u>Tube</u>	(O.D. x Wall)	7mm x 0.75mm	£0.75;	5/16" x 18swg	£0.95.
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<u>Threaded Rod</u>	M12 thread	£3.95
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SPECIAL SELECTIONS

(A)	Round	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"	<u>Price £11.95</u>
(B)	Hexagon	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"	<u>Price £14.95</u>
(C)	Square	3/16", 1/4", 5/16", 3/8", 1/2", 5/8"	<u>Price £15.45</u>

BRASS SHEET CZ 108 Half Hard

	Approx. Size		150 x 300mm	300 x 300mm	300 x 600mm	Price /sq. ft.
10SWG	1/8"	3.0mm	£11.25	£20.80	£40.00	£21.40
13SWG	3/32"	2.5mm	£ 8.25	£17.50	£34.75	£18.05
16SWG	1/16"	1.6mm	£ 7.05	£12.80	£24.60	£13.20
18SWG	0.048	1.2mm	£ 4.95	£ 8.65	£17.10	£8.95
20SWG	0.035"	0.9mm	£ 4.15	£ 7.65	£14.50	£7.95
22SWG	0.028"	0.7mm	£ 4.15	£ 7.65	£14.50	£7.95

STAINLESS STEEL AISI 303 (EN58AM) Non magnetic

Round 5/32" £0.60; 3/16" £0.75; 1/4" £ 1.25; 5/16" £ 1.75; 3/8" £2.35;
 1/2" £3.65; 5/8" £ 5.35; 3/4" £ 8.25; 1" £9.95; 1.1/4" £13.95;
 1.3/8" £15.65.

Tube OD x wall thickness.

1/4" x 0.016" £ 1.20; 1/4" x 0.048" £1.20; 12mm x 1.5mm £1.70;
 5/16" x 0.062" £ 1.25; 3/8" x 0.062" £1.95; 7/16" x 0.062" £1.95;
 0.845" x 3/32" £ 3.25; 0.845" x 0.1" £ 3.25; 1" x 0.062" £3.15;
 1.5/16" x 0.055" £ 4.25; 1.1/2" x 0.055" £ 6.35; 2" x 0.055" £6.35;
 3" x 0.055" £12.50; 3.1/2" x 0.1" £13.95. 4" x 0.1" £15.65.

Square Tube (AF) 20mm x 1.5mm£3.45; 30mm x 1.2mm £3.95;
 40mm x 1.5mm£5.95; 50mm x 1.5mm £6.55.

Shim Strip 2.1/4" x 0.012" £0.95; 2.3/4" x 0.005" £1.15; 6" x 0.012" £1.95
 3/16" x 1.1/4" £3.20.

Wire Price per 10ft.(3m) length. 0.022" (24swg) £0.40; 0.035" (20swg) £0.50;
 0.048" (18swg) £0.60.

Gauze Very popular and now available in more sizes. Price per 6" x 6" square approx. Larger sizes pro rata.
 Mesh is measured in holes per linear inch. Wire dia. shown alongside. We can obtain other mesh
 sizes to special order up to 500 mesh. The 200 mesh is a very fine mesh indeed.

14 mesh (0.135") £2.00; 48 mesh (0.007") £2.25;
 80 mesh (0.005") £2.45; 100mesh (0.005") £2.75;
 200 mesh (0.0016") £2.95.

ALUMINIUM ALLOY (HE30 TF)

Round 1/4" £ 0.50; 5/16" £ 0.65; 3/8" £ 0.90; 5/8" £ 1.75;
 3/4" £ 2.50; 1" £ 3.95; 1.1/4" £ 5.25 1.3/8" £ 6.40;
 1.1/2" £ 7.65; 1.3/4" £ 9.65 2.1/4" £15.65 2.3/8" £17.30;
 2.1/2" £19.00; 2.3/4" £25.90 2.7/8" £27.00 3" £29.20.

ALUMINIUM ALLOY SHEET

	<u>Approx. Size</u>	<u>150 x 300mm</u>	<u>300 x 300mm</u>	<u>300 x 600mm</u>	<u>£/sq.ft</u>
10SWG	1/8" 3.0mm £4.25	£8.50	£14.95		£8.70
13SWG	3/32" 2.5mm £3.50	£6.80	£13.95		£7.20
16SWG	0.062" 1.6mm £2.50	£4.85	£ 9.55		£4.80

CAST IRON (BS1452 Grade 14/17)

A high quality continually cast iron rod. Ideal for pistons, etc. being free from blow holes or hard spots.

Round 30mm £7.95 40mm £10.95; 50mm £13.95

COPPER (CZ101)**Round** 5/16" £1.65; 5/8" £5.25**Tube** Soft temper in coils. Price per 3ft length. (OD x gauge)
1/8" x 22g £1.65; 5/32" x 22g £1.85; 1/4" x 20g £2.25.**Gauze** 70 mesh, £1.50 per 6" x 6" square approx. Larger sizes pro rata.**Shim** 5/8" x 0.005" £1.00 for 3 feet; 6" x 0.004" £1.85 per foot**PHOSPHOR BRONZE (PB102)****Round** 3/32" £0.45; 1/4" £1.85; 5/16" £3.25; 5/8" £8.35;
3/4" £9.95; 1" £14.95.**Wire** (Price per 10 feet) 0.011" £0.30; 26 SWG £0.60.**BERYLLIUM COPPER****Strip** 3/16" x 0.005" £0.35; 7/16" x 0.0125" £0.55;**NICKEL SILVER****Strip** 9/16" x 0.020" £0.45; 3/4" x 0.015" £0.65; 1" x 0.020" £0.85;
1.1/4" x 0.020" £1.05; 2.3/16" x 0.022" £2.40.**PLASTIC LAMINATES****Plastics Data Sheet****Price £0.15****ACETAL** 1/4" £ 0.85; 1/2" £1.70; 5/8" £2.35; 1.1/4" £6.25
10mm £ 1.35; 12mm £1.70; 18mm £2.75; 20mm. £3.40
25mm £ 4.40.**ACRYLIC** 20mm £6.30; 25mm £10.35
30mm £14.25; 40mm £22.50. 2.1/2" O.D. x 1/8" wall tube £4.25.**BLACK** 7/8" £ 3.25; 16mm £ 2.25; 20mm £ 3.15; 30mm £ 6.95;
NYLON 40mm £11.75; 50mm £17.10; 95mm £32.00.**DELTRIN** 10mm £ 1.45; 20mm £ 3.20; 25mm £4.95; 50mm £24.90;**EBONITE** 1.1/4" £14.95; 2" £24.90;**NYLATRON** 1/8" £ 0.15; 3/16" £ 0.30; 5/8" £ 2.95; 1" £ 3.95;
1.1/8" £ 4.65; 10mm £ 1.20; 20mm £ 3.45.**NYLON 66** 1/4" £ 0.75; 5/16" £ 0.95; 3/8" £ 1.05; 7/16" £ 1.25;
1/2" £ 1.35; 5/8" £ 2.25; 3/4" £ 2.95; 7/8" £ 3.25;
1" £ 4.20; 1.1/4" £ 7.10; 1.1/2" £11.95; 2" £16.50;

NYLON 66 60mm £18.95; 70mm £22.50; 75mm £26.90; 140mm £65.00.

OILON 1.5/16" £19.00

PTFE 3/8" £ 3.50; 3/4" £ 9.75; 1.1/4" £19.00; 2" £45.50
 13mm £ 4.95. 20mm £ 9.95.

PVC 1/4" £ 0.35; 10mm £ 0.90; 18mm £ 1.65; 20mm £ 1.85;
 25mm £ 2.90; 30mm £ 4.15. 40mm £ 5.60.

TUFNOL SRBF = Synthetic resin bonded fabric£ SRBP = Synthetic resin bonded paper

1/2" £4.50; 5/8" £6.95;
 1.3/4" £25.00; 2" £27.95 3/8" (SRBP) £1.65.

STEEL COLLARS 1/4" £1.05; 5/16" £1.40; 3/8" £1.75;
 1/2" £1.95; 5/8" £2.65; 3/4" £3.35;
 7/8" £3.95; 1" £3.95.

PRECISION GROUND FLATSTOCK

SPEC. AISI-01 BS4659 BOI. An easy to work tool steel exhibiting a low dimensional movement during hardening and suitable for a wide variety of cold work tooling. **Price indicated is for a 9" length.** Standard 18" lengths are available at twice this price.

Thickness	Width			
	1/2"	1"	1.1/2"	2"
1/32"	£2.25	£2.95	£3.75	£5.95
1/16"	£2.65	£3.65	£4.75	£5.95
3/32"	£2.95	£3.95	£4.95	£6.45
1/8"	£3.65	£4.35	£5.25	£6.65
5/32"	£3.85	£4.85	£5.95	£7.25
3/16"	£4.55	£4.95	£6.25	£7.95
1/4"	£4.95	£5.35	£6.85	£9.50
5/16"	£6.65	£7.35	£8.45	£10.35
3/8"	£6.95	£7.65	£8.95	£10.95
1/2"	-	£8.55	£9.90	£11.90

HEAT TREATMENT

Quench in oil from 780-820°C according to section. Resultant hardness is Rockwell C63-C64.

Temper immediately for one hour.

- @ 150°C for 63-64 RC
- @ 200°C for 61-62 RC
- @ 250°C for 58-60 RC
- @ 300°C for 54-55 RC

211. **DIAMOND BURR** Quite small and suitable for intricate work. These are 1/16" dia. and 3/4" long. The head is impregnated with 200 grit diamond to a length of 1/4". **Price £3.30**

212. **POWERFUL SPRING** A steel tension spring constructed from 2mm dia. wire. 5/8" dia. x 1.1/4" long. Total length between hooks 3". **Price 3 for £0.60**

PETER STUBS SILVER STEEL (13" lengths)

<u>ROUND</u>	1/32" £0.30;	1/16" £0.35;	3/32" £0.40;	1/8" £0.55;	5/32" £0.90
	3/16" £0.95;	7/32" £1.35;	1/4" £1.45;	9/32" £1.95;	5/16" £2.30
	3/8" £2.95;	13/32" £3.95;	7/16" £3.85;	1/2" £4.55;	9/16" £6.45
	5/8" £6.95;	3/4" £9.55;	7/8" £10.45;	1" £12.95;	1.1/4" £18.95
	2mm £0.40;	3mm £0.55;	4mm £0.90;	5mm £1.35;	6mm £1.45
	7mm £1.85;	8mm £2.25;	9mm £2.85;	10mm £3.55;	11mm £3.95
	12mm £4.55;	13mm £4.80;	14mm £5.95;	15mm £6.35;	16mm £6.95
	17mm £8.65;	18mm £9.65;	20mm £10.25;	22mm £10.75;	25mm £12.95

SQUARE 3/32" £0.95, (3 for £2.10) 1/8" £1.25, (3 for £2.70).
Square section is now no longer manufactured so buy now while stocks last.

SPECIAL SELECTION

Imperial 2 each 1/16", 3/32", 1/8", 5/32", 3/16", 1/4"
1 each 5/16", 3/8", 1/2". **Price £17.95**

Metric 2 each 2mm, 3mm, 4mm, 5mm, 6mm
1 each 8mm, 10mm, 12mm **Price £17.65**

LATHE TOOLS

High Speed steel toolbits in round section and square section by various manufacturers such as Dormer, Presto, Eclipse, etc. We do not stock inferior far eastern imports.

<u>Square</u>	1/8" x 2" £ 2.90	<u>Round</u>	1/8" x 2" £2.95
	3/16" x 3" £ 3.70		3/16" x 3" £3.20
	1/4" x 3" £ 4.45		1/4" x 3" £4.70
	5/16" x 3" £ 6.85		5/16" x 3" £5.50
	3/8" x 4" £ 9.45		3/8" x 4" £7.95
	1/2" x 3.1/2" £12.50		1/2" x 4" £8.95

213. CARBIDE TIPPED BORING TOOLS 5/16" square x 5" long £8.00
3/8" square x 6" long £8.85
1/2" square x 7" long £9.55

214. CARBIDE TIPPED LATHE TOOL SET An economically priced set of 5 carbide tipped lathe tools.
Grade P30, suitable for all steels.
The excellent shock resistance of this grade makes it particularly good for uninterrupted cutting.
Size: 5/16" square x 3.1/4" long
Price: Set of 5 tools £15.95

215. FLYCUTTER HOLDER Set FCH/1. Carefully made from good quality alloy steel hardened and tempered for long life. Holders are counterbalanced for faster feed and smooth finish. All have 1/2" dia shanks. **STAR BUY!**

Head dia. 3/4", toolbit size 3/16"
Head dia. 1.1/8", toolbit size 1/4"
Head dia. 1.1/2", toolbit size 5/16"

Price £22.95 the set of three

216. BORING BARS & HOLDERS

Double ended boring bars with English pattern holder. Manufactured from selected tool steel with attractive black finish. Toolbit not included. Tool angle 45° and 90°.

	<u>Toolbit size</u>	<u>Bar Size(mm)</u>	<u>Holder size(mm)</u>	<u>Price</u>
(A)	1/8" square	144 x 10	57 x 13 x 13	£11.75
(B)	3/16" square	133 x 11	63 x 16 x 16	£13.50
(C)	1/4" square	171 x 14	76 x 19 x 19	£15.25
(D)	5/16" square	235 x 19	95 x 25 x 25	£18.95

217. PARTING TOOL HOLDERS

These holders have case hardened shanks and come complete with adjustable wrench. The design provides both downwards and sideways pressure on the parting blade. Attractive black finish and super value. Takes standard Eclipse or J & S bevelled blades.

(A) Shank size 9/16 x 5/16 (takes 1/16 blade)	<u>Price £12.85</u>
(B) Shank size 3/4 x 3/8 (takes 3/32 blade)	<u>Price £13.95</u>
(C) HSS bevel blade 5/16 x 1/16	<u>Price £10.95</u>
(D) HSS bevel blade 1/2 x 3/32	<u>Price £11.85</u>

218. HSS SLITTING SAWS

Famous manufacturers such as Wardson, etc. All are 2.3/4" dia with 1" bore and list at over £10 each. 0.027", 0.028", 0.0295".

Price £3.75 each or one of each size for £10.95.

219. SLITTING SAW ARBOR

This versatile arbor offers flexibility in sawing operations. The spring loaded mechanism readily accepts saw blades with diameters of 1/2", 5/8", 3/4", 7/8" and 1".

Shaft diameter 1/2" x 2.9/16" long.

Price £12.95

220. LETTER/NUMBER PUNCHES

For marking metals and other solid materials. Machined from alloy tool steel and carefully heat treated. Supplied in plastic storage box.

<u>Character size</u>	<u>Letter Punch Set</u>		<u>Number punch Set</u>	
1.5mm (1/16")	LP1	£ 9.95	NP1	£6.95
2.0mm (3/32")	LP2	£10.85	NP2	£6.45
3.0mm (1/8")	LP3	£11.35	NP3	£6.95
4.0mm (5/32")	LP4	£14.75	NP4	£7.85
5.0mm (3/16")	LP5	£15.95	NP5	£8.65

221. AUTO CENTRE PUNCH

Can be used for both light and heavy punching. Pressure can be varied from 5lb to approx. 30lb by rotating the knurled head. **Price £8.25**

222. LONG SERIES HSS DRILLS

These long series drills have always been very, very popular. I have just received a wonderful parcel and can offer the following sizes at some exceptional prices.

(A) 3mm	<u>Price 3 for £2.20</u>
(B) 4mm	<u>Price 3 for £2.45</u>

THREAD CUTTING TOOLS

All Taps and Dies are by top manufacturers such as Dormer, Presto, Totem, etc. and are available in **TAPER, SECOND and BOTTOM**. We stock HSS and HQS. The HQS taps are manufactured from a **SPECIAL HIGH QUALITY** alloy steel, which is far superior to the old carbon steel and can be used with confidence even into **Stainless steel**.

BA		TAPS		DIES	
SIZE	TPI	HSS	HQS	HSS	HQS
		£	£	£	£
0	25.4	6.35	2.55	17.20	3.95
1	28.2	6.35	2.55	17.20	3.95
2	31.4	6.25	2.55	13.75	4.95
3	34.8	6.65	2.55	17.40	4.95
4	38.5	5.50	2.35	13.75	4.95
5	43.0	6.90	2.55	13.75	4.95
6	47.9	5.95	2.55	13.75	4.95
7	52.9	11.95	3.35	17.40	7.65
8	59.1	8.75	3.35	17.40	7.65
9	65.1	11.95	3.95	24.85	8.95
10	72.6	16.95	4.35	24.85	8.95

METRIC		TAPS		DIES	
SIZE	Pitch	HSS	HQS	HSS	HQS
		£	£	£	£
M2.0	0.4	6.75	3.20	15.60	6.85
M2.5	0.45	6.75	3.20	15.60	6.85
M3	0.5	3.95	2.65	10.30	5.75
M3.5	0.6	3.95	2.65	12.30	5.75
M4	0.7	3.90	2.65	11.30	5.75
M5	0.8	3.90	2.65	11.30	5.75
M6	1.0	3.90	2.65	11.30	5.75
M8	1.25	4.85	3.60	11.65	6.85
M10	1.5	6.75	4.55	11.65	7.95
M12	1.75	7.60	4.75	15.85	7.95
M14	2.0	8.90	5.70	16.85	9.95

BSW & BSF		TAPS		DIES	
SIZE	TPI	HSS	HQS	HSS	HQS
	SW/SF	£	£	£	£
1/8"	40 / -	8.20	2.90	13.75	5.75
5/32"	32 / -	9.90	2.90	16.75	5.75
3/16"	24 / 32	5.65	2.90	13.65	5.75
1/4"	20 / 26	4.95	3.60	11.85	5.75
5/16"	18 / 22	5.70	3.60	13.25	6.45
3/8"	16 / 20	6.95	3.60	13.25	6.45
7/16"	14 / 18	8.90	4.90	19.05	7.45
1/2"	12 / 16	8.95	4.90	19.05	7.45

UNC & UNF		TAPS		DIES	
SIZE	TPI	HSS	HQS	HSS	HQS
	NC/NF	£	£	£	£
4	40 / 48	7.35	2.85	13.85	5.75
6	32 / 40	6.15	2.85	13.85	5.75
8	32 / 36	6.15	2.85	13.85	5.75
10	24 / 32	6.15	3.25	13.85	5.75
1/4"	20 / 28	5.75	3.60	12.55	5.75
5/16"	18 / 24	5.90	3.60	13.75	6.45
3/8"	16 / 24	5.90	3.60	13.75	6.45
7/16"	14 / 20	9.15	4.90	18.35	7.45
1/2"	13 / 20	9.15	4.90	18.35	7.45

223. TAP WRENCH Various manufacturers i.e. Presto, Groz etc. available in three sizes.

- (A) 3/32" to 5/32" AF capacity. **Price £ 6.25**
- (B) 1/8" to 1/4" AF capacity. **Price £ 7.25**
- (C) 1/8" to 3/8" AF capacity **Price £10.40**

224. DIE STOCKS Various manufacturers such as Eclipse, Groz etc.

- (A) For 13/16" Dies **Price £ 5.75**
- (B) For 1" Dies **Price £ 5.75**
- (C) For 1.5/16" Dies **Price £ 6.45**
- (D) For 1.1/2" Dies **Price £ 8.55**
- (E) For 2" Dies **Price £10.80**

HIGH SPEED STEEL DRILLS

These are top quality standard flute Jobbers drills by **Dormer, Presto**, etc. and not cheap foreign imports.

IMPERIAL

1/64"	£2.95	1/8"	£1.00	15/64"	£1.90	21/64"	£3.30	27/64"	£5.95
1/32"	£1.50	9/64"	£1.30	1/4"	£1.80	11/32"	£3.30	7/16"	£5.95
3/64"	£1.45	5/32"	£1.20	17/64"	£2.35	23/64"	£3.95	29/64"	£6.75
1/16"	£1.30	11/64"	£1.40	9/32"	£2.25	3/8"	£3.80	15/32"	£6.95
5/64"	£1.35	3/16"	£1.30	19/64"	£2.75	25/64"	£5.35	31/64"	£7.05
3/32"	£1.05	13/64"	£1.60	5/16"	£2.70	13/32"	£4.70	1/2"	£7.35
7/64"	£1.15	7/32"	£1.50						

METRIC (mm)

1.0	£1.35	2.7	£1.10	4.3	£1.40	5.9	£1.95	7.5	£2.45	9.1	£3.65
1.1	£1.40	2.8	£1.10	4.4	£1.40	6.0	£1.70	7.6	£2.60	9.2	£3.65
1.2	£1.40	2.9	£1.00	4.5	£1.45	6.1	£2.10	7.7	£2.65	9.3	£3.75
1.3	£1.30	3.0	£1.00	4.6	£1.45	6.2	£2.20	7.8	£2.70	9.4	£4.40
1.4	£1.30	3.1	£1.10	4.7	£1.50	6.3	£2.20	7.9	£2.95	9.5	£3.65
1.5	£1.10	3.2	£1.10	4.8	£1.50	6.4	£2.10	8.0	£2.75	9.6	£3.85
1.6	£1.10	3.3	£1.10	4.9	£1.50	6.5	£2.10	8.1	£2.95	9.7	£4.80
1.7	£1.20	3.4	£1.20	5.0	£1.45	6.6	£2.30	8.2	£2.95	9.8	£4.80
1.8	£1.10	3.5	£1.20	5.1	£1.60	6.7	£2.30	8.3	£2.95	9.9	£4.95
1.9	£1.10	3.6	£1.20	5.2	£1.70	6.8	£2.20	8.4	£2.95	10.0	£4.40
2.0	£1.10	3.7	£1.15	5.3	£1.60	6.9	£2.30	8.5	£2.95	10.5	£4.95
2.1	£1.10	3.8	£1.30	5.4	£1.70	7.0	£2.30	8.6	£2.95	11.0	£5.50
2.2	£1.10	3.9	£1.30	5.5	£1.80	7.1	£2.35	8.7	£3.65	11.5	£6.50
2.3	£1.35	4.0	£1.15	5.6	£1.50	7.2	£2.40	8.8	£3.95	12.0	£6.80
2.4	£1.10	4.1	£1.15	5.7	£1.90	7.3	£2.40	8.9	£3.65	12.5	£7.35
2.5	£1.00	4.2	£1.15	5.8	£1.90	7.4	£2.70	9.0	£3.25	13.0	£7.50
2.6	£1.10										

NUMBER DRILLS

1	£2.15	11	£1.70	21	£1.40	31	£1.20	41	£1.15	51	£1.25
2	£2.10	12	£1.70	22	£1.40	32	£1.20	42	£1.15	52	£1.35
3	£2.00	13	£1.65	23	£1.40	33	£1.20	43	£1.20	53	£1.35
4	£1.95	14	£1.65	24	£1.40	34	£1.20	44	£1.25	54	£1.35
5	£1.90	15	£1.60	25	£1.40	35	£1.20	45	£1.25	55	£1.40
6	£1.85	16	£1.55	26	£1.40	36	£1.15	46	£1.25	56	£1.45
7	£1.80	17	£1.55	27	£1.35	37	£1.15	47	£1.25	57	£1.55
8	£1.80	18	£1.50	28	£1.30	38	£1.15	48	£1.25	58	£1.60
9	£1.75	19	£1.50	29	£1.30	39	£1.15	49	£1.25	59	£1.60
10	£1.70	20	£1.45	30	£1.20	40	£1.15	50	£1.25	60	£1.65

225. NUMBER DRILL SET

60 Top Quality HSS fully ground drills. No frills or fancy case, just the best possible price. Packed together in a heavy gauge plastic container. Set No.1 to No. 60.

OUR PRICE £69.00

<u>METAL CASED DRILL SETS</u>	082-13	13 HSS Drills 1/16" to 1/4" in 1/64"	Price £22.95
	082-M13	13 HSS Drills 1.5mm to 6.5mm in 0.5mm Plus 3.3mm and 4.2mm	Price £21.95

HSS CENTRE DRILLS

By Dormer, Presto etc. Reference No. / Body dia. / Point dia.

BS1	1/8 x 3/64	£2.55	BS4	5/16 x 1/8	£4.60
BS2	3/16 x 5/64	£2.95	BS5	7/16 x 3/16	£7.95
BS3	1/4 x 7/64	£3.65	BS6	5/8 x 1/4	£12.95

SPECIAL OFFER

(A) 1 off each BS1, BS2 & BS3	Price £ 8.80
(B) 1 off each BS1, BS2, BS3, BS4 & BS5	Price £19.60
(C) 1 off each BS5 & BS6	Price £15.00

HSS REAMERS

H = Hand reamer, square end. M = Machine reamer, parallel shank.

1/16" H, M	£12.95	4mm H	£11.50
3/32" H, M	£10.50	5mm H, M	£9.85
5/16" H	£13.50	7mm H	£11.95
3/8" H	£12.95	8mm H	£11.50
2mm H, M	£10.50	10mm H	£14.00

HSS END MILLS & SLOT DRILLS

Screwed shank by Presto, Dormer etc.

<u>Size</u>	<u>End Mill</u>	<u>Slot Drill</u>
1/16"	£11.15	£ 8.25
1/8"	£ 7.85	£ 8.00
3/16"	£ 8.55	£10.35
1/4"	£ 7.75	£ 8.20
5/16"	£ 7.85	£ 9.00
3/8"	£ 8.50	£ 8.85
7/16"	£10.15	£10.95
1/2"	£10.45	£10.00

MORSE TAPER SLEEVES

<u>Size</u>	<u>Oil Toughened</u>	<u>Hardened & Ground</u>
0/1 MT	£7.60	£10.25
1/2 MT	£9.40	£11.60
2/3 MT	£9.65	£13.40

EJECTING DRIFTS

0 MT £2.35; 1 & 2 MT £2.85; 3 & 4 MT £3.75

CENTRES

Alloy steel, hardened and ground to close tolerances. Included angle is 60" with MT shank.

No. 1 MT length 3.1/4"	Price £9.75
No. 2 MT length 4"	Price £10.25
No. 3 MT length 5"	Price £11.95

REVOLVING CENTRE

Medium duty precision revolving centre. Bearings are immersed and parts sealed. Manufactured in high quality tool steel.

No. 1 MT max. axial pressure 200 Kg	Price £34.95
No. 2 MT max. axial pressure 300 Kg	Price £42.25
No. 3 MT max. axial pressure 630 Kg	Price £48.95

BANDSAW BLADES

Now a standard stock item. Top quality brands such as Dormer, Starrett, Speed etc. Hard edge, flexible back. All in 100ft. (30m) reels. This is a much cheaper way to purchase blades. Just cut to the required length, bevel both edges and silver solder for the perfect joint.

<u>Width & Thickness</u>	<u>Teeth per inch</u>	<u>Price per 100 ft. Reel</u>
1/4" 0.025"	10, 14, 18, 24	£47.00
3/8" 0.025"	8, 14, 18, 24	£49.00
1/2" 0.025"	8, 10, 14, 18, 24	£49.00

All the above blades are available, cut to your length at **£1.10/ft.**

SPECIAL OFFER - super quality by Starrett 7/8" wide 18 teeth per inch. Any length supplied @ **£0.75/ft**

SILVER SOLDER, BRAZING ALLOYS & SOFT SOLDER

226. **EASYFLO NO.2** General purpose, free flowing brazing alloy containing 42% Silver. Melting range 608-617°C. 1.5mm (1/16") x 500mm. **Price £1.95**
227. **SILVERFLO 24** Melting range 740-780°C. 18g x 500mm. **Price £1.80**
228. **EASYFLO FLUX** Johnson Matthey general purpose for use with silver brazing alloys where the temperature does not exceed 750°. The residue is soluble in water. **Small Packet Price £1.50, 100gm Price £4.95**
229. **BRAZING RODS** Silicon bronze G.P. rods. Melting range 840-850°C. Not fluxed.
1/16" x 36" **4 for £2.50** 1/8" x 30" **2 for £2.35**
230. **STAINLESS ARC WELDING RODS** ESAB OK 67.75. Less than half list price.
3/32" x 12" **Price 6 for £1.30** 1/8" x 12" **Price 5 for £1.40**
232. **LEAD SOLDER** and **LEAD FREE** solders see page 44.
233. **FALSE NOSES** These are intended for use with polishing mops and brushes. Simply mount directly to motor shaft or spindle. Don't forget to state whether **LEFT** hand (clockwise rotation) or **RIGHT** hand (anti-clockwise rotation) is required.
(A) 1/2" bore 4.3/4" long. **Price £7.75**
(B) 5/8" bore 6" long. **Price £13.45**
234. **PACKING BLOX** A great time saver for clamping work on a drill stand, milling machine or lathe. Don't be without at least one set. 1" to 2" capacity.
Pack contains 2 of each blox illustrated (total 4).
Price £5.95

235. **DIE CAST 'V' PULLEYS** 'A' section (1/2" wide at top of Vee). By Picador. All pulleys are available with 1/2", 5/8" and 3/4" bore, with the exception of double pulleys which are available with 5/8" or 3/4" bore only. Please state bore size required.

<u>Outside dia.</u>	<u>Single</u>	<u>Double</u>
2"	£ 4.50	-
3"	£ 5.60	£14.90
4"	£ 7.20	£17.80
6"	£10.60	£22.00
8"	£18.75	

236. **DIE CAST 'V' PULLEY MULTIGROOVE** by Picador. Available with 1/2", 5/8" and 3/4" bore.

3 step 2", 3", 4"	<u>Price £16.70</u>
4 step 2", 3", 4", 5"	<u>Price £19.80</u>

237. **ENDLESS STRETCHLESS 'V' BELTS** ('A' Section.) Quality belts by Fenner or other reputable manufacturer. Available up A50, as follows: The number following the letter is the inside circumference of the belt. i.e. A37 = 37" inside circumference.

A21 to A25	<u>Price £5.20</u>	A36 to A40	<u>Price £6.95</u>
A26 to A30	<u>Price £5.95</u>	A41 to A45	<u>Price £7.95</u>
A31 to A35	<u>Price £6.55</u>	A46 to A50	<u>Price £8.65</u>

238. **DRILL GRINDING JIG** This attachment simplifies grinding the points of twist drills. It is a simple task even for the inexperienced handyman. Capacity 1/8" to 3/4". Die cast aluminium body. Adjustable for 5 included angles : 88°, 68°, 59°, 49° and 30°.

Note standard Jobbers drill angle is 59°. **Price £19.95**

239. **ABRASIVE DISCS** What a useful selection. A super pack of Resin bonded Aluminium oxide, fine and coarse silicon carbide, stearated silicon carbide and fine finishing paper discs. Reduced price to clear - I need the space! Sizes range from 4" to 6" dia. List over £40. **My Price £10.95**

240. **STAINLESS TWEEZERS** 6" Curved nose, fine pointed with serrated jaws.

Price £1.55 each or 4 pairs for only £4.00

241. **ABRASIVE CLOTH ROLLS** Aluminium Oxide fabric backed rolls are always popular and so, so useful. In fact no workshop should be without a set! Each roll is 1" wide x 25 metres and are available in the following grit sizes, please state which is required:

60 grit (coarse), **80 grit**, **100 grit** (medium) and **120 grit** (fine).
Any 25 metre roll for £6.95 or one of each grit for only £26.00

PRECISION BALLRACES

RS = Rubber Shield; Z = Metal shield; SA= Self aligning F = Flanged; Rad Th = Radial Thrust; DR = Double Row bearing, Thrust = Thrust loading only.

DR =

<u>Ref</u>	<u>Type</u>	<u>Remarks</u>	<u>O/D</u>	<u>Bore</u>	<u>Width</u>	<u>Price</u>
1	SSRF2	2ZF	3/8"	1/8"	5/32"	£1.95
2	SSRF3	F	1/2"	3/16"	5/32"	£2.40
3	RF8020	2Z	5/8"	1/4"	9/32"	£2.30
4	SCH100	2Z	7/8"	5/16"	9/32"	£1.95
5	RLS4	2RS	1.5/16"	1/2"	3/8"	£2.75
6	RMS4	2Z	1.5/8"	1/2"	5/8"	£3.75
7	RL6	DR SA	1.7/8"	3/4"	9/16"	£4.95
8	RLS8		2.1/4"	1"	5/8"	£4.95
9	NLJ1	DR SA	2.1/4"	1"	5/8"	£6.95
10	306K		2.7/8"	1.1/8"	13/16"	£5.95
11	51102	Thrust	28mm	15mm	10mm thick	£1.95
12	604Z	2Z	12mm	4mm	4mm	£1.75
13	1350	Z	13mm	5mm	3mm	£1.55
14	1470	2ZF	14mm	7mm	5mm	£1.95
15	686RS	RS	15mm	6mm	4mm	£1.55
16	626RS	RS	19mm	6mm	6mm	£1.85
17	608ZZ	2Z	22mm	8mm	7mm	£1.95
18	16003		35mm	17mm	8mm	£2.40
19	LJ17		40mm	17mm	12mm	£3.25
20	6203	2Z	40mm	17mm	12mm	£3.95
21	51205		47mm	25mm	12mm	£2.85
22	6204	2RS	47mm	20mm	14mm	£4.85
23	6304	2RS	52mm	20mm	15mm	£4.20
24	205WO	Rad Th	52mm	25mm	15mm	£3.75
25	51107	Thrust	52mm	35mm	12mm thick	£3.95
26	1206	DR SA	62mm	30mm	17mm	£7.95
27	1207	DR SA	72mm	35mm	17mm	£8.75
28	6008		68mm	40mm	15mm	£5.50

PRECISION BALLS	HARDENED STEEL		STAINLESS STEEL		PHOSPHOR BRONZE	
	Diameter	Per 10	Per 50	Per 10	Per 50	Per 5
1/8"	£0.30	£ 1.20	£0.90	£ 4.00	£0.75	£ 1.20
3/16"	£0.50	£ 2.25	£1.50	£ 6.95	£0.90	£ 1.55
1/4"	£0.75	£ 3.50	£1.75	£ 8.00	£1.35	£ 2.25
5/16"	£1.20	£ 5.50	£3.10	£14.85	£2.10	£ 3.95
3/8"	£1.60	£ 7.50	£4.20	£19.90	£2.60	£ 4.80
1/2"	£3.45	£15.50	£8.70	£37.00	£5.95	£10.80
10mm	£1.60	£7.50				

242. **STAINLESS STEEL BALLS** 3/32" non magnetic Stainless balls by RHP. Top grade. Fantastic value.

Price 20 for £1.50

243. **FLANGE MOUNT** (A) MEC 1.1/4. 1.1/4 bore shielded, self aligning ballrace mounted in a cast iron base with 4 mounting holes, and locating step 3.3/8" dia.
List over £30. **My Price £12.95**
- (B) FT203. 11/16" bore shielded, self aligning ballrace mounted in an oval cast iron base. 2 hole fixing. Size 3.1/2" x 2.1/2".
List over £20. **Price £10.95**
244. **SPRING DIVIDERS / CALIPERS** Precision made with quick fine setting adjustment and polished finish. 6" long.
- INSIDE CALIPERS** **Price £4.95**
- OUTSIDE CALIPERS** **Price £4.95**
- DIVIDERS** **Price £4.95**
- SET OF THREE** **Price £14.25**
245. **JENNY CALLIPERS** Made from quality steel, well finished with firm friction joint. For scribing lines from the edge of straight or curved surfaces.
Price £4.75
246. **CENTRE FINDER SET** The Wiggler set consists of an offset indicator holder with 4 different attachments which adapt the tool to countless applications including centre finding, centre distances, true concentricity, straightness and alignment of flat surfaces etc.
Don't be without this magical tool !
Price £13.95
247. **TOOLMAKERS CLAMPS** These precision clamps are constructed from hardened steel. They include spring clip and retaining slot. Black finish. Well below list.
- PC/1 50mm Jaws opening to 32mm **Price £6.95**
PC/2 63mm Jaws opening to 45mm **Price £7.95**
PC/3 75mm Jaws opening to 55mm **Price £10.35**
248. **DRIVE PIN PUNCHES** Excellent quality and good value parallel pin punches by Groz. Each punch has been carefully hardened, tempered and then accurately ground.
- (A) Set of 5 comprises 1/16", 3/32", 1/8", 5/32" and 3/16".
Price £9.75
- (B) Set of 8. As above plus 7/32", 1/4" and 5/16". **Price £14.95**
249. **MASTER PIN VICE** With swivel head and complete with hardened steel double ended collet.
Range : Zero to 0.125". **Price £5.65**

250. **DRIVE PIN PUNCHES** 8" long. A lovely set of parallel pin punches by Groz. Set of 5 punches 1/8", 3/16", 1/4", 5/16" and 3/8" with heavy knurled handles.
Price £15.85
251. **CENTRE PUNCH SET** Made from hardened and tempered tool steel with knurled grip. The points are accurately ground to 60 degrees. The set comprises 3 different point sizes :- 1/16", 3/32", 5/32".
Great value at £3.95 the set
252. **ECLIPSE POCKET SCREWDRIVER** Pearl chrome plated body and knurled chuck with pocket clip. It has a keyed screwdriver bit which can be reversed in the body for storage.
List price over £7 in 1993.
Price £3.75
253. **SCREW PITCH GAUGES** As illustrated. Please state which is required.
(A) American National (30 blades) **Price £5.95**
(B) Metric (20 blades) **Price £5.65**
(C) B.S.W. (28 blades) **Price £5.95**
254. **POCKET SCRIBER** Nicely made with hardened steel point which is reversible, and pocket clip. Black oxidised finish. List around £6.
My Price £4.50
255. **MACHINIST'S SCRIBER** MS7. 7.1/2" long, double ended and suitable for marking in confined spaces and grooves etc.
Price £2.45
256. **SCREW SETTING GAUGE** Precision ground finish. For 60° American and metric threads, 55° BSF, BSW, 47.1/2° BA and 14.1/2° ACME threads.
Price £3.65
257. **GROZ G CLAMPS** We have been asked to stock these time and time again so here are two sizes, we think will be very popular. These are quality drop forged steel G clamps with a strong ribbed body at an excellent price. Large pressure pads ensure that the load is evenly distributed.
(A) 2", 50mm capacity **Price £4.35 each or 2 for £7.80**
(B) 3", 75mm capacity **Price £4.95 each or 2 for £8.60**
258. **HSS METRIC DRILL SET** **25 Piece** HSS Drill set. A good quality budget priced set of **Metric drills**. 1.0mm to 13mm 0.5mm steps. All secured in a smart and practical pressed steel case. Available only while present stocks last.
Price £23.95

259. **MICROBOX DRILL SET** Now improved quality with ground HSS drills. Just slide the cover to the selected size and out pops the drill. Very popular and conservatively priced.
- (A) 20 piece set from 0.3mm in 0.05mm steps to 1mm plus
1.2mm, 1.3mm, 1.4m, 1.5mm and 1.6mm. **Price £16.85**
- (B) 20 piece set Number drills from 61 to 80 **Price £17.95**
260. **DENTAL PROBES** Top quality instruments manufactured by Ash in Stainless Steel to exacting standards of finish and design. Although specifically manufactured for the Dental trade, they are widely used in sculpture, jewellery and model making. Each tip can be altered, sharpened and polished for a particular job or merely used as they come.
- Each probe is approximately 6" long and most types are double ended. List price exceeds £7 each. My choice of head.
- Price £1.50 each, or 5 different for £6.50**
261. **MOUNTED POINTS** Just superb. Manufactured for the jewellery and dentistry trade they comprise various grits and grades from coarse to very fine. All are moulded on 1/8" or slightly smaller shanks and are offered at approx. 1/3 current list price.
- Price 5 for £2.20**
262. **FILE HANDLES** My usual line of **Python Safety Handles**. Finest timber (Ash) handles with a patent spring ferrule to retain the file tang and avoid splitting the handle.
- Now available in 3 sizes :-
- (A) Size 0 (3") for 3"-6" files **Price £0.65 or 5 for £3.55**
- (B) Size 1 (4.1/4") for 6"-10" files **Price £0.75 or 5 for £3.75**
- (C) Size 2 (5") for 10"-14" files **Price £0.85 or 5 for £4.35**
263. **FILE HANDLES** A new range of orange plastic handles to suite small to large files.
- (A) 90 x 26mm, for 4" and 6" files **Price 5 for £1.70**
- (B) 110 x 31mm, for 8" files **Price 5 for £2.60**
- (C) 125 x 35mm, for 10" & 12" files **Price 5 for £3.65**
264. **SMALL NAILS** 5/8" long approx. 18g nicely pointed and with proportional sized head. Zinc plated. **Price 200 for £0.65**
265. **STAINLESS STEEL FORCEPS** A superb stainless steel tool manufactured to exacting standards for the medical profession. These are straight, box jointed seizers, 5.1/2" long with 3 position snap lock, polished finish and fine serrated jaws. This versatile tool will clamp wires for soldering, act as a heatsink and retrieve small parts from hard to get places.
- List price £15.10
- My Price £5.45**

266. **TUNGSTEN CARBIDE BLADES** Acquired from a Joinery Company specialising in kitchen fabrications.
A set of 10 Planer Blades. Each is 50mm x 12mm x 1.5mm and with two bevelled and finely ground cutting edges. These are not new but slightly used and are in good condition.

My Price Box of 10 for £2.85

267. **CARBIDE TIP INSERTS** What a superb selection ! Many different types and sizes up to 5/8" in triangular, square and other shapes. Some with holes, some without. Parting blade inserts, screwcutting tips, chip breaker chips, etc. Our choice of types. Type (C) have larger sizes, around 3/4" to 1". All suitable for a wide range of tooling and available at silly prices.

List price between £2 and £7 each !

- | | |
|--|---------------------------|
| (A) 10 Assorted tips, braze on and screw on types | <u>Price £4.75</u> |
| (B) 15 Assorted tips as above | <u>Price £5.95</u> |
| (C) 5 Assorted larger tips suitable for larger tools | <u>Price £3.95</u> |

268. **PLASTIC BALL KNOBS** Black plastic with moulded thread.
- | | |
|------------------------------------|---|
| (A) 1" dia. (25mm) threaded M6 | <u>Price £0.60; 10 for £5.80</u> |
| (B) 1.1/4" dia (30mm) threaded M8. | <u>Price £0.75; 10 for £7.00</u> |
| (C) 1.1/2" dia (38mm) threaded M8 | <u>Price £0.90; 10 for £8.50</u> |

269. **HEXAGON KEYS** Top quality by Unbrako, Holochrome, Allen and Bearbrand, etc.

.050"	£0.25	3/16"	£0.55	M2	£0.30
1/16"	£0.25	7/32"	£0.70	M2.5	£0.30
5/64"	£0.25	1/4"	£0.80	M3	£0.35
3/32"	£0.30	5/16"	£1.35	M4	£0.50
7/64"	£0.30	3/8"	£2.15	M5	£0.55
1/8"	£0.35	1/2"	£3.25	M6	£0.80
9/64"	£0.50	5/8"	£5.95	M8	£1.35
5/32"	£0.50	M1.5	£0.25	M10	£2.85

270. **HEXAGON KEYS** Those small Allen keys are always getting lost ! These two sets, **Imperial** and **Metric** are by respected manufacturers such as Unbrako, Holochrome, Bear Brand, etc.

The set consists one each of the following sizes, packaged separately.

Imperial: .050", 1/16", 5/64", 3/32.

Metric: 1.5mm, 2mm, 2.5mm, 3mm

Price 8 keys for £2.05

271. **HEXAGON KEY SETS** Beargrip, Key ring sets. Super quality and available in imperial or metric sizes.

(A) **Imperial**, 8 keys 1/16" to 1/4" **Price £4.75**

(B) **Metric**, 8 keys 1.5mm to 8mm **Price £4.95**

272. **NEEDLE FILES** (A) Six Piece set in plastic wallet.
No.2 cut. All different. **Special Price £3.85**
- (B) Twelve Piece set in plastic wallet.
No.2 cut. All different. **Special Price £7.55**
273. **PIN CHUCKS** For holding by hand all types of small round tools, small drills, pins, and wires, etc. The jaws are hardened and tempered and the shanks knurled for ease of handling.
- PV/1 0-0.04" **Price £3.85**
 PV/2 0.03" - 0.062" **Price £3.95**
 PV/3 0.05" - 0.125" **Price £4.10**
SET of three **Price £11.35**
274. **HSS LETTER DRILLS** HSS by Dormer, Osborne, etc. A pack of two different drills. All well below list price.
My choice in sizes from A to Z. **Price 2 for £2.65**
275. **6" & 8" FILES** 3 assorted top quality files by Stubs, Oberg, Spear & Jackson, J.K. and Bedford etc. Pack will contain 1 x 6" half round, 1 x 8" flat and 1 x 6" or 8" round files. Expect various cuts. All at fantastic savings. List price over £10
My Price £6.95
276. **SILVER STEEL** Bargain prices only while stocks last. Quality Stubs Silver Steel. Standard 13" length.
- (A) 2 each 1/8", 7/32" and 9/32". List over £7. **Price £4.95**
 (B) 2 each 3/16" and 5/16". List over £6. **Price £4.75**
 (C) 2 pieces of 3/4". List over £9. **Price £13.95**
277. **MORSE TAPER DRILLS** Only two sizes 9/32" and 9/64". Both with 1MT shanks. HSS by Osborne and Dormer. Quality at an affordable price. **Price £3.95 the two.**
278. **HSS DRILLS** 8 different straight shank HSS drills of various sizes which may include number drills as well as imperial and metric sizes. Usual top quality manufacturers such as Dormer and Presto. Maximum size about 3/16" dia. **Price £3.35**
279. **HSS PRESTO STUB DRILLS** Top quality as you would expect. Short shank drills for use where maximum rigidity is required. Ideal for sheet metal.
- (A) 4 different inc.7/32" & 1/4" (list £8 plus) **Price £2.25**
 (B) 7/32" & 1/4" (list now £5 plus!) **Price £1.50**
280. **MIXED TAPS** 5 different HSS and carbon steel taps. Various threads, BA, BSF, BSW, Metric, UNC, UNF etc. A very popular line. **These work out at less than 85p each.** **Price £4.20**

281. **SUDS BRUSHES** Well actually these are good quality paint brushes. Ideal for cleaning small parts, painting and of course applying coolant to the work when machining.
- Price £0.60 each or 4 for £2.20**
282. **ENGINEER'S JOINTING** A bumper pack of vulcanised fibre sheet, synthetic paper, Leatheroid, Presspahn, asbestos based jointing, rubber and other materials as available. Super value pack. A least 10 square feet. Sheet materials up to about 1/16" thick. Rubber, etc. up to about 1/4" thick. Always popular.
- Price £5.35**
283. **MINIATURE SPANNER** Manufactured by Blue Point (now Snap On)
1/4" AF x 9/32" AF Chrome Vanadium Steel.
- Price 2 for £1.20**
284. **FLAT BIT SET** Set of 4 quality precision ground flat bits by Eclipse and other manufacturers etc. 1/4", 5/16", 1/2" and 1.1/8". List over £10.
- My Price £3.95 to clear**
285. **SOLID TUNGSTEN CARBIDE** Toolbits and Rod. Offered at a mere fraction of list price.
- | | |
|--------------------------|---------------------------------|
| (A) 1/8" square x 4" | <u>Price 2 for £1.95</u> |
| (B) 0.435" x 0.15" x 12" | <u>Price £9.95</u> |
| (C) 0.525" x 0.15" x 12" | <u>Price £10.95</u> |
286. **T.C. TOOLBITS** Braze or silver solder, quality Tungsten Carbide toolbits.
- | | |
|-------------------------|---------------------------------|
| (A) 1/2" x 9/16" x 1/8" | <u>Price 6 for £3.20</u> |
| (B) 1/2" x 2" x 1/8" | <u>Price 3 for £3.45</u> |
287. **FIBRE BOARD SHEET** We have not had this for a long time so I expect it to be very, very popular. It is a dense resin bonded sheet material 1/16" thick and dark grey in colour. It is ideal for packing out machine tools for levelling purposes and can be used in countless applications both for sound and electrical insulation. Another useful purpose would be for covers and interior panels in kit and classic cars. Larger sizes are available but would attract a postage surcharge.
- | | |
|------------------------------|---------------------------|
| (A) Sheet size 300mm x 150mm | <u>Price £1.60</u> |
| (B) Sheet size 300mm x 300mm | <u>Price £3.00</u> |
288. **NUT INSERT PLIERS** By **Beargrip**®. Just introduced, this well made and versatile nut insert tool will appeal to all hobbyists.
- The heavy duty tool comes complete with M4, M5 and M6 mandrels and an assortment of 60 light alloy Rivnuts in all three sizes. The operation is similar to that of a pop rivet gun.
- Suitable for use in sheet metal up to 3mm thick (1/8"). List price over £58.
- Price £47.25**

289. **SELF TAPPING SCREWS** This is a very popular line. Over 200 hardened steel self tapping screws from the very small No.2, up to about No.10. Max length around 1.1/4". Nearly all are plated. Expect at least 20 different types. Includes pozidrive, slotted and hexagon, pan and countersink heads.
Price £1.85
290. **SPIRE CLIPS** For use with self tapping screws on sheet metal etc. A good selection of well over 100 different types and sizes. An excellent compliment to the above Lot.
Price £1.70
291. **SPRING WASHER ASSORTMENT** A fine selection of various split spring washers in a variety of sizes up to about 3/8" bore. Some are plated and some will be Phosphor Bronze. Expect over 200 pieces.
Price £1.60
292. **CRINKLE WASHERS** A mixed bag of over 100 assorted steel and non-ferrous (beryllium copper, PB, stainless steel, etc.) crinkle washers. Maximum size up to about 3/8" bore. So useful.
Price £1.50
293. **SHAKEPROOF WASHERS** External and internal serrated shakeproof washers. Included will be washers in steel, HD copper etc., many of which are plated. Expect well in excess of 300 pieces up to 3/8" bore.
Price £1.60
294. **PLAIN STEEL WASHERS** A mixed pack of about 200 plated steel washers in sizes from about 8BA up to 3/8" bore.
Price £1.65
295. **SELOK PINS** Spring steel roll pins are the modern alternative to taper pins and this assorted pack makes a useful addition to the home workshop. Various lengths and diameters including 1/16", 3/32", 1/8", 5/32" and 3/16". Expect over 40 pieces.
Price £1.50
296. **SPACER WASHERS & PILLARS** A very useful pack of mixed pillars and spacer washers. Most are Nickel Plated Brass and include hexagon and round pillars, plain, externally and internally threaded from 6BA upwards. Pack of at least 40 assorted pieces.
Price £1.50
297. **CIRCLIPS** Well over 100 mixed internal and external circlips. At least 10 different sizes up to a maximum diameter of around 1.1/2". What a useful lot.
Price £2.20
298. **FIBRE WASHERS** About 100 or more mixed non metallic washers. Red fibre, insulation, mica, nylon, PTFE and rubber etc. Maximum size around 1.1/4" dia.
Price £1.60
299. **SPLIT COTTER PINS** A fine mixture of various steel and brass split cotter pins ranging from 1/32" dia. up to about 3/16" dia. Over 80 per pack.
Price £2.35
300. **DOWEL PINS** 20 case hardened and precision ground steel dowel pins. A mixed selection of various lengths and diameters, up to about 5/16".
Price £1.95
301. **NYLON SCREWS AND WASHERS** Various types and heads i.e. cheese head, countersink head etc. Various threads BA, metric, etc. Expect over 80 pieces.
Price £1.40
302. **BRASS SCREWS** 1/2 Kg bulk pack of brass screws, nuts and washers. Various threads but mainly BA sizes. Probably over 400 pieces. Some may be plated.
Price £6.50
303. **STAINLESS STEEL SCREWS** Nuts and Washers. I doubt if you can beat this for price. Probably over 100 pieces. Various threads in 18/8 non-magnetic stainless steel.
Price £1.80

304. **POP RIVETS** All useful sizes. Imperial from 1/8" and metric from M2. Mixed alloy and steel pop rivets. 50 assorted. Most popular. **Price £1.60**
305. **MIXED RIVETS** A good workshop assortment of various rivets in copper, brass, steel, light alloy etc. Includes bi-furcated and chrome plated types etc. Over 200 pieces. **Price £1.70**
306. **STEEL SCREWS** Nuts and Washers. This line is always available and is made up from various mixed purchases which come in. Various threads : BA, metric, American, etc. A fair proportion of HT, Allen Cap and Set Screws too. Definitely no rubbish. Maximum thread size about 1/4".
 (A) 1 Kg pack. Contains over 1500 pieces **Price £5.85**
 (B) 5Kg Bumper pack **Price £15.95**
 (C) 5Kg larger stock between approx. 1/4" dia. and 1/2" dia. **Price £15.95**
307. **CRIMP ON TAGS** Various types by Amphenol, etc. a selection of eyelets, spades, Lucar spade receptacles, etc. Insulated and plain, all are HD copper. Good value - an excellent choice with over 80 pieces. **Price £1.70**
308. **HEXAGON SOCKET** Set screws, cap and countersink assorted. 20 various set screws plus 40 cap and CS types in various lengths and sizes. Immensely popular. **STAR BUY!**
 (A) Grand mixture, various threads BA, BSF, BSW, etc.
 (B) BA threads.
 (C) BSW and BSF threads. **One Price 60 pieces per pack**
 (D) UNC and UNF threads. **for only £4.85**
 (E) Metric threads.
309. **HEXAGON SOCKET SCREW BONANZA** 5 different boxes of 100 (one size/thread type in each box). May contain socket cap, set and CS screws, etc. 500 total. We have up to 10 different types available, my selection. American, BA and metric threads. **Price £12.00 for 5 different boxes**
310. **GROMMETS** An assorted pack of rubber and synthetic rubber grommets. Many different types plus a few blanking plugs (grommets without holes). Well over 80 per pack and one of my most popular lines. **Price £2.15**
311. **RUSTOP PAPER** Rust inhibiting paper manufactured by British Sisal Craft. Position impregnated side to metal. Helps to keep your ferrous stock and tools free from rust. Sheet size approx. 39" x 36". **Price £1.50**
312. **TAPER PINS** An assortment of sizes from 1/8" up to about 1/4". Pack of 10. **Price £1.85**
313. **MIXED 'O' RINGS** Very, very popular. 50 assorted sizes from 1/8" bore up to about 2" bore. A useful selection which includes a few metric sizes all at a bargain price. **Price £1.85**
314. **COMPRESSION SPRINGS** Over 30 assorted, mostly different. Maximum size up to about 3/4" dia. and 2" long. Ever popular. **Price £1.05**
315. **TENSION SPRINGS** Over 30 assorted, mostly different. From small to large. **Price £1.05**
316. **TORSION SPRINGS** Similar to above but with over 30 assorted torsion springs **Price £1.05**

317. **SPECIAL OFFER BALLRACES** Another massive purchase allows us to offer these at unbelievably low prices. Specified by type OD, bore, width.
 Z = Single Shield; ZZ = Double Shield, RS = Rubber Shield.
- | | | | |
|-----|--------|---------------------|----------------------------------|
| (A) | 1350Z | 13mm/5mm/3mm | <u>Price 10 for £7.85</u> |
| (2) | 686RS | 15mm/6mm/4mm | <u>Price 10 for £7.85</u> |
| (C) | 608ZZ | 22mm/8mm/7mm | <u>Price 10 for £9.25</u> |
| (D) | 6000Z | 26mm/10mm/8mm | <u>Price 10 for £7.25</u> |
| (E) | 6000ZZ | 26mm/10mm/8mm | <u>Price 10 for £8.85</u> |
| (F) | SCH100 | 7/8" / 5/16" /9/32" | <u>Price 10 for £9.25</u> |
318. **LARGE BALLRACE** Precision ballrace with a 5/8" bore bonded with rubber into a precision ground outer ring 1.5/8" OD. Complete with shaft locking collar.
Price £2 each or 2 for £3.40
319. **PLASTIC BOOTS** Various types and styles important for the protection of live connectors on filters, IEC sockets, receptacles etc.
Price 20 assorted for £1.05
320. **CLIPS, PINS & ODDS** A mixed bag all sorts. Clips, pins, nuts, circlips, relays, hinges, Dzus, bearings, etc. as they arrive from mixed purchases etc. Bound to be something useful for everyone in this assortment.
Over 150 items for £1.75
321. **STAINLESS STEEL SPIRAL ROLL PINS** Super value packs. Quantity in brackets.
- | | | | |
|-----|--------------------------------|------------------|------|
| (A) | 1/32" x 1/4" or x 1/2" (20)(J) | 1mm x 10mm | (30) |
| (B) | 3/64" x 3/8" (20) | (K) 1.5mm x 6mm | (30) |
| (C) | 3/64" x 7/16" (20) | (L) 1.5mm x 10mm | (20) |
| (D) | 1/16" x 1" (10) | (M) 1.5mm x 12mm | (20) |
| (E) | 3/32" x 1/2" (15) | (N) 2mm x 20mm | (15) |
| (F) | 3/32" x 11/16" (15) | (P) 4mm x 60mm | (10) |
| (G) | 1/4" x 1.1/2" (5) | (Q) 5mm x 20mm | (10) |
| (H) | 5/16" x 2.1/2" (5) | | |
- Price £1.40 per pack**
322. **PACKING & INSULATION** Ideal for valves and glands.
- | | | |
|-----|--------------------------------|---------------------------|
| (A) | 1/8" dia. x 48" Graphite yarn | <u>Price £0.60</u> |
| (B) | 1/16" dia. x 48" Graphite yarn | <u>Price £0.60</u> |
323. **PUSH ON FASTENERS** or retaining clips. A dished spring steel washer with inside teeth. When pushed on to a shaft they grip with exceptional tenacity and can only be removed with great difficulty. 100 per pack.
- | | | |
|-----|----------------|-------------------------------------|
| (A) | 1/8" | <u>Pack of 100 for £0.65</u> |
| (B) | 10mm | <u>Pack of 100 for £0.95</u> |
| (C) | 1/2" | <u>Pack of 50 for £0.75</u> |
| (D) | Assorted sizes | <u>Pack of 100 for £1.25</u> |
324. **HSS CENTRE DRILL** BS6. Body dia. 5/8". Pilot drill 1/4". By Dormer®. List in excess of £19.00 each.
My price 2 for £14.95

325. **SELF TAPPING SCREWS** Some are slotted, some pozidrive head. Type AB are pointed, type B non-pointed. PH = Pan Head, CS = Countersunk head, MH = Mushroom head.

<u>Size</u>	<u>Per 100</u>	<u>Size</u>	<u>Per 100</u>
No.2 x 1/4 PH B	£0.95	No.6 x 1/2 PH AB	£1.45
No.2 x 3/8 PH B	£0.90	No.6 x 1 MH AB	£1.50
No.4 x 1/4 PH AB	£0.75	No.8 x 1/2 PH AB	£1.60
No.4 x 3/8 PH AB	£0.75	No.8 x 1/2 CS	£1.80
No.4 x 3/8 CS AB	£0.80	No.8 x 5/8 CS	£1.90
No.4 x 1/2 PH AB	£1.15	No.8 x 3/4 PH AB	£2.20
No.6 x 5/16 PH AB	£1.60	No.8 x 1 PH AB	£2.30
No.6 x 3/8 MH AB	£1.20	No.10 x 5/8 PH AB (50)	£2.45

326. **STEEL WOODSCREWS** All useful sizes. Mostly by GKN. RH = Round head, CS= Countersink; Br = Brass plate; Cu = Copper plate; NP = Nickel plate. Zn = Zinc plated. All well below list price.

<u>Size</u>	<u>Per 100</u>	<u>Size</u>	<u>Per 100</u>
No.2 x 1/4 CS	£0.60	No.4 x 1/2 CS Cu	£0.85
No.2 x 1/4 CS NP	£0.70	No.4 x 5/8 CS	£0.85
No.2 x 5/16 RH, 3/8 CS	£0.60	No.6 x 1/2 CS	£0.75
No.2 x 3/4 CS Zn	£0.80	No.6 x 5/8 CS	£0.75
No.3 x 3/8 CS NP	£0.75	No.6 x 1.1/4 CS Zn	£1.25
No.3 x 1/2 CS	£0.80	No.6 x 2 CS	£1.30
No.4 x 7/16 CS Br	£0.80		

327. **BRASS WOODSCREWS** The two smaller sizes are per 100. The larger sizes as marked. All are plated with the exception of No.5 x 1 RH.

<u>Size</u>	<u>Per 100</u>	<u>Per 20</u>	<u>Size</u>	<u>Per 20</u>	<u>Per 10</u>
No.5 x 1 RH	£1.95	-	No.12 x 1.1/4 CS & RH	£2.20	-
No.8 x 1/2 RH	£2.85	-	No.12 x 1.1/2 CS & RH	£2.25	-
No.10 x 3/4 RH or 1 RH	-	£1.60	No.12 x 3 CS	-	£2.50
No.12 x 1 RH	-	£1.75	No.16 x 3.1/2	-	£3.40
No.12 x 1 CS	-	£1.75			

328. **HEAVY DUTY RIVET KIT** **HIGHLY RECOMMENDED.** By Beargrip®. This HD rivet gun has a patent 3 jaw mechanism which has a great advantage over the usual 2 jaw system. Complete with 70 assorted aluminium rivets and an attractive carrying case.

STAR BUY!

My Price £21.95

329. **SNIPE NOSE PLIERS** By Peugeot. Electronic grade. 4" long with yellow insulated handles. In all rather nice.

Price £5.95

330. **POP RIVETS** All are light Alloy except those marked * which are Stainless steel. DH = Dome Head, CS = Countersink Head. **Just note my price !** Usual list price between £4.00 and £6.00 per 100. **100 Per Pack.**

2.4mm x 4mm DH	£1.55	1/8" x 3/16" DH*	£1.75
2.4mm x 5mm DH	£1.55	5/32" x 3/16" DH*	£2.35
2.4mm x 8mm DH	£1.55	1/8" x 5/16" CS	£2.35
2.4mm x 8mm CS	£1.75	5/32" x 1/4" DH	£2.55

331. **LARGE HSS DRILLS** Quality straight shank HSS Drills by Dormer, Osborne etc. All well below list price. For example the 19.25mm lists at £50 plus!

(A)	41/64"	<u>Price £9.55</u>
(B)	17/32" Long Series	<u>Price £11.60</u>
(C)	19.25mm	<u>Price £14.95</u>
(D)	12.90mm, Long series	<u>Price £9.95</u>

332. **STEEL SPACERS** A thick steel spacer 3/8" diameter x 7/32" thick and bored 1/8". Black finish. **Price 50 for £1.55**

333. **STAINLESS WOODSCREWS** Yes, **Stainless Steel A2** Woodscrews. Due to increased popularity following our Winter and Summer Sale lists we are now increasing the range even further to satisfy fantastic demand. Most Countersink (CS) are available with slotted or Pozidrive heads and Round head (RH) types are available with slotted head only.

Excellent quality at a price all can afford. **Why use steel which rusts so quickly?**

All are priced per 10 and for 50.

		Price per 10.	Price per 50.
No.8 x 3/4 CS Sl or Pozi		<u>Price £1.30</u>	<u>Price £5.80</u>
No.8 x 1" CS	Sl or Pozi	<u>Price £1.35</u>	<u>Price £6.00</u>
No.8 x 1" RH	Sl	<u>Price £1.60</u>	<u>Price £7.50</u>
No.8 x 1.1/2" CS	Sl or Pozi	<u>Price £1.45</u>	<u>Price £6.80</u>
No.10 x 1" CS	Sl or Pozi	<u>Price £1.60</u>	<u>Price £7.50</u>
No.10 x 1.1/2" RH	Sl	<u>Price £1.70</u>	<u>Price £8.00</u>
No.10 x 1.1/2" CS	Sl or Pozi	<u>Price £1.60</u>	<u>Price £7.50</u>
No.10 x 2" CS	Sl or Pozi	<u>Price £1.65</u>	<u>Price £7.70</u>
No.12 x 1.1/2" CS	Sl or Pozi	<u>Price £1.65</u>	<u>Price £7.70</u>
No.12 x 2" CS	Sl or Pozi	<u>Price £1.75</u>	<u>Price £8.40</u>
No.14 x 2" CS	Sl only	<u>Price £1.75</u>	<u>Price £8.40</u>
No.14 x 2" RH	Sl	<u>Price £1.85</u>	<u>Price £9.00</u>

334. **STAINLESS CAP SCREWS** Again an increased selection to satisfy demand. Wonderful value. These hexagon socket Screws are top quality **A2 Stainless Steel**. All are **priced per 10 and 50** (in brackets). You will find more on page 68/69.

M3 x 12	<u>Price £1.20 (£4.40)</u>	M6 x 20	<u>Price £1.80 (£7.70)</u>
M3 x 16	<u>Price £1.20 (£4.40)</u>	M6 x 25	<u>Price £1.85 (£7.90)</u>
M4 x 16	<u>Price £1.20 (£4.40)</u>	M6 x 30	<u>Price £2.15 (£8.60)</u>
M4 x 20	<u>Price £1.30 (£4.60)</u>	M8 x 20	<u>Price £2.20 (£8.90)</u>
M5 x 16	<u>Price £1.95 (£7.95)</u>	M8 x 25	<u>Price £2.20 (£8.90)</u>
M5 x 20	<u>Price £2.15 (£8.50)</u>	M8 x 30	<u>Price £2.65 (£10.90)</u>

335. **STAINLESS STEEL WIRE ROPE** and accessories. Specification is 316 non magnetic. Construction 7 x 7 strands (total 49). Very flexible.
- | | | | |
|-----|---|------------------------|---------------------------------|
| (A) | 1.0mm | Breaking strain 79 Kg | <u>Price £1.35/metre</u> |
| (B) | 1.5mm (1/16") | Breaking strain 155 Kg | <u>Price £1.25/metre</u> |
| (C) | 2.0mm | Breaking strain 240 Kg | <u>Price £1.45/metre</u> |
| (D) | 2.5mm | Breaking strain 400 Kg | <u>Price £1.65/metre</u> |
| (E) | 3.0mm | Breaking strain 550 Kg | <u>Price £1.85/metre</u> |
| (F) | Stainless Thimbles, two sizes, 2mm or 3mm | | <u>Price £0.75 each</u> |
| (G) | Copper Ferrules. 1.5mm and 2mm, any mix. | | <u>Price 3 for £0.80</u> |
| (H) | Copper Ferrules 2.5mm and 3mm, any mix | | <u>Price 3 for £1.00</u> |
336. **TELEFLEX BRAKE CABLE OUTER** Flat spiral wound spring steel brake cable clad in black PVC. Excellent quality and suitable for a variety of uses.
4mm bore x 9mm O.D. **Price £3.25metre**
337. **PRECISION ROLLERS** Grade A precision rollers hardened and ground.
- | | | |
|-----|--------------------|----------------------------------|
| (A) | 9mm dia x 8mm long | <u>Price 10 for £0.75</u> |
| (B) | 5mm dia x 5mm long | <u>Price 25 for £0.85</u> |
338. **POLISHING WHEELS** These continue to be a very popular. They are 1.1/2" dia. with 1/4" central hole. Fine synthetic bristles.
Price 5 for £0.75
339. **BRASS TRACE CHAIN** **Harrison-Beacon®** silver soldered chain 16g x 1/2" links and Bright Chrome plated. **Our Star Buy!**
List over £4.50 per metre.
Price only £1.45 per metre or 5 metres for £3.00
340. **ANTI-SEIZE COMPOUND** This 455gm aerosol contains a suspension of colodial copper and nickel compounds. It is corrosion resistant, and a high temperature and extreme pressure lubricant. For the protection of flanges, seals and threads etc.
Price £5.25
341. **SILICON GREASE 70** A multipurpose silicone grease spray which is invaluable for use on switch contacts, EHT connections, etc. Insulates and waterproofs.
226gm aerosol.
Price £3.35
342. **HIGH TEMPERATURE** and high pressure lubricant. Chesterton No.616. A high temperature synthetic lubricating fluid with an added suspension of molybdenum disulphide. 455gm aerosol.
Price £3.95
343. **MARKING OUT FLUID** By Rocal or spectrol. Methylate based. Red or blue for bright surfaces and opaque white for castings. Very good value.
Please state colour required.
Price 150ml bottle £2.65

344. **SERVOL SWITCH CLEANER** This highly efficient cleaner removes dirt and grease from switches leaving a conductive film of oil which reduces the resistance by increased contact area. Non-toxic and non-flammable.
Price £3.45
345. **AMBERCLENS FOAMING CLEANER** A fast and effective cleaner for use on woodwork, glass, metal, plastic, vinyl cloth and car upholstery, etc. Safe in use - just spray on, allow to foam and wipe off. 400ml aerosol
Price £3.45
346. **SAFE BUDS** Always popular. Cotton bud sticks which are specially developed for cleaning hard to reach areas. Approximately 6" long.
Price 20 for £0.60, 100 for £2.50
347. **HSS LATHE TOOLS** Surplus stock from **Eclipse** and other quality manufacturers. **HSS LATHE TOOLS** Standard HSS except (E) and (H) which are Cobalt quality HSS. All well below list.
- | | |
|-------------------------------------|----------------------------|
| (A) 1/8" round x 2.1/8" | <u>Price £1.65</u> |
| (B) 1/8" square x 2.1/2" | <u>Price £1.65</u> |
| (C) 5/32" round x 2.1/2" | <u>Price £1.95</u> |
| (D) 5/32" square x 4" | <u>Price £2.45</u> |
| (E) 1/4" square x 2.1/2" Cobalt HSS | <u>Price £2.85</u> |
| (F) 6mm square x 63mm | <u>Price £2.20</u> |
| (G) 3/8" square x 6" | <u>Price £4.35</u> |
| (H) 5/8" square x 6" Cobalt HSS | <u>Price £11.25</u> |
348. **OTHER LATHE TOOLS** HSS, Carbide tipped tools, Stellite (Harder than HSS) etc.
- | | |
|---|---|
| (A) Stellite, 3/16" round x 3". List £9 | <u>Price £2.95 each or 3 for £7.50</u> |
| (B) Tungsten carbide 5/32 square x 3.5/8" | <u>Price £1.75 or 5 for £8.00</u> |
| (C) TC toolbits 1/2" x 9/16" x 1/8" | <u>Price 6 for £3.20</u> |
| (D) TC toolbits 1/2" x 2" x 1/8" | <u>Price 3 for £3.45</u> |
| (E) Assorted TC braze on bits | <u>Price 10 for £2.95</u> |
| (F) RH turning/Facing TC tip. 3/8" square x 2.1/2" | <u>Price £3.40</u> |
| (G) L/R turning/Facing TC tip. 1/2" square x 3.1/2" | <u>Price £4.95</u> |
| (H) Eclipse Boring tool HSS. 5/16" dia. x 6" | <u>Price £12.65</u> |
| (J) Eclipse Boring tool HSS. 3/8" dia. x 7" | <u>Price £13.95</u> |
349. **LARGE 'O' RINGS**
- | | |
|-------------------------------------|----------------------------------|
| (A) 2.3/8" dia. Cross section 1/16" | <u>Price 10 for £1.20</u> |
| (B) 2.1/4" dia. Cross section 3/16" | <u>Price 4 for £0.95</u> |
| (C) 3.1/2" dia. Cross section 1/8" | <u>Price 4 for £0.95</u> |
350. **SMALL CIRCLIPS**
- | | |
|--|--|
| (A) Pack of 100, 1/8" external circlips to fit shafts 1/8" dia.. | |
| (B) Pack of 100, 2mm external E circlips to fit shafts 2mm dia. | |
- Price, either size 100 for £0.95 or both packs for £1.50**

351. **WATCH/CLOCK SPRINGS** Flat Beryllium Copper spiral springs with a brass central boss. 1/2" diameter.
Price 50 for £1.00
352. **GREASE NIPPLES** Zinc plated steel with spring loaded valve.
(A) 1/8 BSP taper thread **Price 2 for £1.50**
(B) 1/4 UNF taper thread **Price 2 for £1.50**
353. **POLY-V-BELT** Multi-grooved J type belt. Far superior to conventional V belting, this system will transmit much higher powers and can be used with very small pulleys.
(A) J6 460, 6 grooves 46" circumference **Price £1.40**
(B) Technical Data Sheets **Price £0.45**
(C) J4 170, 4 grooves 17" circumference **Price £2.35**
354. **SOLENOIDS**
(A) 24V DC ohm coil. Conventional type size 2.7/8 x 3/4 x 5/8 with 5/16" dia. plunger. List over £7. **Price £1.25**
(B) 240V AC coil. Plunger type with extension pin. Single hole fixing with securing nut. List over £8. **Price £1.25**
(C) 24V ac coil. Conventional type, very powerful, works well on 6V dc. Coil resistance 3.5 ohm. Size 1.1/8" x 1.1/4" x 1.1/2" with 1/2" dia. plunger. **Price £1.95**
(D) Guardian Electric. 24V dc. Powerful and complete with mounting bracket and sprung operating lever. In all rather nice. Size : 28mm x 28mm x 30mm with 8mm dia. plunger. **Price £1.45**
(E) Guardian Electric. 24V dc. Very powerful, standard oblong construction 30mm x 30mm x 50mm with 8mm plunger. **Price £1.65**
355. **SCREW EYES** Chrome plated steel. The type that screw into the back of pictures frames etc. Approx. 5/16" dia. x 3/4" long. **Price 50 for £1.45**
356. **STAINLESS STEEL SPLIT PINS**
(A) 3/32" x 1" **Price 10 for £0.95**
(B) 3/16" x 2" **Price 5 for £0.95**
357. **BRASS PILLARS** A heavy brass pillar 9mm diameter and 16mm long. Bored and threaded M4. **Price 20 for £1.55**
358. **BRASS WING NUTS** A large brass wing nut 1.1/2" across the wings, threaded 5/16 UNF. **Price 4 for £2.25**
359. **FLAT DRIVE BELT** A reinforced, flat non stretch rubber drive belt. It is 36.1/2" circumference and 1/2" wide. **Price £0.75 each**

360. **CHAIN** Available in the following sizes: Types (B) and (C) include chain couplers.

<u>Sprocket Pitch</u>	<u>Max. Sprocket width</u>	<u>Length</u>	<u>Price</u>
(A) 1/4"	1/8"	9"	<u>£1.45</u>
(B) 1/4"	1/8"	72"	<u>£8.95</u>
(C) 3/8"	3/16"	27.1/2"	<u>£5.95</u>
(D) 1/2"	1/8"	40"	<u>£5.65</u>

361. **PIVOT PINS** Hardened Steel. Turned from 1/2" AF hexagon bar and chemically blacked, it consists of a 5/16" dia. rod 7/8" long, cross drilled for a securing pin. The base is threaded 5/16" BSW. In all rather nice **Price 5 for £1.85**

362. **BRASS PIPE FITTINGS** Size shown relates to outside tube diameter.

(A) 1/4 Elbow to 1/4 BSPT	£1.25	(C) 1/4" Bulkhead Coupling	£1.65
(B) 1/4 Elbow to 1/8 BSPT	£1.65	(D) 1/4" Coupling	£1.35
(E) 1/4 Tee to 1/8 BSPT	£1.70	(H) 1/4 Elbow	£1.25
(F) 6mm, 6mm, 6mm Tee	£1.45	(J) Vent 1/8 BSPT	£1.55
(G) 1/4, 1/4, 1/4 Tee	£1.65		
(K) 1/4 BSP Female Elbow	£1.25	(L) 1/4 Coupling to 1/4 BSP	£1.25
(M) 3/8 Coupling to 3/8 BSP	£1.65	(N) 4mm Coupling to M8	£0.95
(P) 3/4 BSP 1/2 BSP Reducer	£1.65	(R) 5/16 tube connector	£1.55
(Q) 1/2 BSP 1/8 BSP Reducer	£1.55	(S) 5/16"tube to 1/8 BSP Female	£0.75

363. **OIL SEALS** These, I know will be popular. A mixed bag of various sized Oil seals ranging in size from small to large. A wonderful collection suitable for all workshops.

Price 10 assorted oil seals for £2.85

364. **DRIVE SCREWS** Commonly used to secure name tags, motor specification plates, etc. Just drill a suitable sized hole and hammer home. Very useful.
Pack of 80 assorted sizes and types. **Price £1.30**

365. **TEST TUBES** Heat resistant glass test tubes 3" long and 3/8" dia. Useful for probes. Probably many other uses too !

Price 10 for £0.95

366. **INSULATED SPADE TERMINALS** Heyco white plastic with self securing clip.
Recessed 3/16" blade termination makes this ideal for high voltage applications, electronic ignition systems and car alarms, etc.
Price 20 for £0.75
367. **TOOTHED DRIVE BELTS** All are well below list price. MXL pitch is 0.083, XL pitch is 3/16".
L pitch is 3/8". To decode :- first number is the circumference in tenths of an inch, MXL, XL or L for the pitch of teeth and the width in hundredths of an inch. i.e. 130 XL 037 = 13" circ. XL pitch 0.37" wide.
- | | | | | | |
|-----|-------------|-------|-----|------------|-------|
| (A) | 110 MXL 025 | £0.95 | (K) | 200 XL 037 | £1.75 |
| (B) | 80 XL 037 | £1.15 | (L) | 265 XL 037 | £1.70 |
| (C) | 94 XL 025 | £1.15 | (M) | 310 XL 075 | £1.95 |
| (D) | 105 XL 037 | £1.45 | (N) | 505 XL 050 | £2.60 |
| (E) | 110 XL 025 | £1.50 | (P) | 146 L 050 | £1.50 |
| (F) | 120 XL 037 | £1.30 | (Q) | 150 L 050 | £1.50 |
| (G) | 126 XL 025 | £1.30 | (R) | 187 L 100 | £1.85 |
| (H) | 146 XL 050 | £1.85 | (S) | 210 L 075 | £1.95 |
| (J) | 150 XL 025 | £1.65 | (T) | 180 XL 037 | £1.85 |
368. **HEXAGON KEYS** Over stocked in the following sizes so bargain prices prevail.
- | | | |
|-----|------------------|-------------------------------------|
| (A) | 5/32" and 7/32" | <u>Price £0.60 the two</u> |
| (B) | 4mm, 5mm and 6mm | <u>Price £0.95 the three</u> |
369. **RUBBER STRIP** (A) Soft brown rubber. 4.1/8" x 3/32" x 12". **Price £2.50**
(B) Medium black rubber 1.1/4" x 1/4" x 2m. **Price £3.50**
370. **LOW PRESSURE REGULATOR** By Jeavons. Light alloy body with 1/4" BSP inlet and outlet ports.
The output pressure can be regulated by means of an adjuster screw mounted on the top of the valve.
Size: 2.1/2" x 2" x 2". **Price £2.95**
371. **BRONZE BUSHES** Sintered bronze bushes. Three sizes available.
- | | | |
|-----|--|----------------------------------|
| (A) | 3/8" O.D. x 0.26" bore x 3/8" | <u>Price 20 for £1.30</u> |
| (B) | 3/8" O.D. x 0.26" bore x 1" | <u>Price 10 for £1.30</u> |
| (C) | 9/16" O.D. x 13/32" I.D. x 5/8" | <u>Price 15 for £1.80</u> |
| (D) | Assorted pack of 10. Up to about 1" dia. | <u>Price 10 for £2.35</u> |
372. **HIGH TENSILE STUDS** 2" long, threaded 5/16" UNC at one end, 5/16" UNF at the other.
Price 10 for £1.45
373. **SNAP RIVETS** As used in cars for attaching panels etc. 12mm dia domed head with 13mm leg
For mounting through a 6.8mm panel hole. Black plastic.
Price 20 for £0.50

374. **MECHANICAL TIME SWITCH** A precision clockwork timer by Coupatan, capable of switching 380V ac @ 10 Amps. Two independent pairs of contacts. One pair normally open, the other pair normally closed.

Set by rotating the shaft.

The time can be accurately set by the degree the shaft is turned.

Maximum time delay 12 hours. List price £21.74.

Size 58 x 47 x 40mm deep. Shaft 6mm dia.x 20mm.

My Price £3.95

375. **HSS HACKSAW BLADES**

Top quality blades by Eclipse, Speed and Sandvik. These are 12" blades and are.

Available in 18, 24 and 32 Teeth per inch.

You could pay £2.40 each for these!

Offer Price 5 for £6.00 (Any mix)

376. **CONNECTOR BLOCKS** Various manufacturers. Flexible moulded PVC. 12way readily sub-divided.

(A) 2 amp, **Price 3 for £1.45**

(B) 5 amp, **Price 3 for £1.65**

377. **PIPETTES**

Heavy glass construction. Laboratory standard with precision graduations.

(A) 0-0.5ml 8" long

Price £1.80

(B) 0-10ml 10" long

Price £2.35

378. **IMPULSE COUNTERS**

Electro-magnetic counters provide a simple and low cost method of counting voltage pulses at up to 600 ppm. All well below list. Both are rated at 2.5 watt.

(A) *Line Seiki* 7 6 digit. 24V dc. Panel mount through 40mm x 32mm hole. Depth 50mm. **Price £3.25**

(B) *Durant* 7 7 digit 12V dc. Panel mount through hole. 55mm deep. **Price £3.75**

379. **INSTRUMENT FEET**

(A) Black Plastic
Complete with screw
15mm dia x 15mm
Price 10 for £0.50

(B) Black plastic
Pull through 5.5mm hole.
13mm dia. x 4.5mm
Price 20 for £0.80

(C) Flexible grey plastic
Self adhesive.
12mm square **10 for £0.75**
20mm square **8 for £0.90**

(D) Flexible black plastic.
Self adhesive.
11mm dia. x 5mm.
Price 10 for £0.75

(E) Black rubber 1/2" dia.x
5/16" high with central
recessed hole.
Price 20 for £0.75

(F) Mixed feet. All sorts
of sizes. Self adhesive,
screw on, rubber, plastic etc.
Price 20 for £0.95

380. **LOCK AND KEY** Assembly by Telford. Bright nickel plated bezel with 1/4" square shaft for attaching cabinet catch or arm to operate electric switch etc. Mount through 3/4" dia. hole.
Complete with nut and 2 keys. **Price £1.45**
381. **GAS STRUT** A compressed gas spring as used for dampers on car bonnets, cabinet doors, etc. Two pressures available, both 11.1/4" long x 5/8" dia. with 4" travel. They have a rose type bearing at one end and a ball connector at the other. They come complete with ball screw. List price over £18 each.

(A) 80 Newtons = 8 Kg slow release force **Price £4.95**
(B) 180 Newtons = 18 Kg slow release force **Price £4.95**
382. **STAINLESS STEEL STAY** Adjustable stay for doors, lids and cabinets, etc. 10" long 5/8" wide
383. **FINE GRIT GRINDING WHEELS** A180 L7V 1.1/8" dia. x 1.1/8" long, with 3/16" bore.
Just right for a toolpost grinder. **Price 2 for £1.45**
384. **SOLENOID VALVE** Restocked due to popular demand. Heavy Brass construction. 115V ac (98V-122V ac) but operates well on 40V dc.

Inlet outlet ports 1/4 NPT. Max pressure 100 psi. **Price £8.95**
385. **TOOTHED BELTS** We get many various sizes but of too small a quantity to advertise separately. To whet your appetite here is an interesting assortment of MXL and XL toothed timing belts at a really fantastic price.
10 Assorted timing belts for £2.95
386. **NYLON WHEELS** A useful source of Large diameter Nylon 66.
(A) 3" dia. x 3/8" bore x 7/8" **Price 4 for £4.00**
(B) 2.7/16" dia. x 1/4" bore x 7/8" **Price 4 for £4.40**
(C) 2.7/16" dia. x 1/2" bore x 1.1/4" **Price 4 for £4.80**
387. **FELT WASHERS** For oiling shafts etc. An assorted pack of different types Maximum size around 3/4" OD and up to 1/4" thick. **Price £0.95**
388. **GLASS LENS** Good quality. Plano convex, 1" diameter. Focal length 1".

Price 2 for £0.85
389. **MECHANICAL COUNTER** A 5 digit lever operated counter by ENM. Has a reset wheel at one end. Ideal for coil winders, component counters, etc.

Size : 2" x 1" x 1". **Price £1.70**

390. **MECHANICAL COUNTER** A six figure up/down counter in die cast housing. One revolution of the 1/8 dia. spindle registers one digit change on the display.
Size : 1" x 7/8" x 1.1/4".
Price 5 for £2.95
391. **BRASS HINGE** Precision Hinge. 1.1/2" long x 3/4" wide when opened.
6 countersunk mounting holes.
Price 2 for £1.00
392. **HIGH POWER DC MOTOR** 12V dc., 1/10 HP . A very powerful yet compact, well engineered high torque, permanent magnet motor. Off load current 2 Amp.
Approximately 3000 rpm on load at 5 Amps. Stall current over 15Amps.
Size : 37mm dia. x 75mm long
Shaft: 3mm dia. x 12mm long.
My Price £7.95 or 2 for £15.00
393. **POWERFUL DC MOTOR** 12V dc. a precision motor with ballrace bearings.
Approximately 3000 rpm .
Off load current 0.5Amp. Stall current 6 Amps.

Size : 29mm dia. x 55mm long.
Shaft : 4mm dia. x 20mm long. **Price £5.95 or 2 for £11.00**
394. **MINIATURE MOTOR** 6V dc or 9V dc. A small, yet powerful permanent magnet motor. It is beautifully engineered with stainless steel outer case. 3000 rpm.
Many , many uses for model drives or could be used as a tacho-generator. Size: 18mm dia. x 40mm, with a shaft 2mm x 18mm.
(A) 6V dc, red flange.
(B) 9V dc, white flange. Stall current 1.2Amp.
Price, any mix 2 for £1.60 or 5 for £3.50
395. **MINIATURE V BELT** Two sizes, width of cross section is 3/16" at the top.
(A) Circumference 22" **Price 2 for £1.60**
(B) Circumference 26" **Price 2 for £1.80**
396. **GEARED DC MOTOR** **STAR BUY!** These are extremely popular. They are rated at 16V dc for continuous operation but operate well on 12V dc. They are very powerful.
Output speed: 150 rpm @ 12v dc
200 rpm @ 16v dc
Torque: 23 oz. in (15mNm) @ 12v dc
32 oz. in (22mNm) @ 16v dc
Size: 38mm dia. x 62mm long.
Shaft: 5mm dia. x 9mm long.
Price £8.95 each or 2 for £16.00

397. **CLEARBOX MOTOR** A combined motor and gearbox unit, especially designed for educational use. The motor operates between 1.5 and 6V DC, and the unit includes interchangeable gears, giving a range of speeds and motor torques. The clear polycarbonate housing provides mounting for both the motor and gears, and full instructions for calculating gear ratios etc. are included. Always popular.
Price £6.95
398. **SMALL DC MOTORS** Various types and sizes. Good value for money with motor voltages ranging between 1.5 and 12V dc. That works out at less than 80p each!
Pack of 5 assorted types Price £4.25
399. **PRESSURE GAUGE** Nicely engineered. 50mm (2") diameter. Reading to 100 psi/7 bar. White background with black/red numerals calibrated to 100 psi with 2 psi resolution. **STAR BUY!** 1/8" BSP back entry. Virtually indestructible black plastic case.
Price £1.95 each, 10 for £17.00
400. **PRESSURE GAUGE** Very smart with black body. 52mm dia. By PLC. Dual calibrated. 0-100 psi / 0-7 bar. Back entry 1/8 BSP.
Price £3.45
401. **DRAWER SLIDES** (A) Precision made sliding mechanism, with ball bearing action. Ideal for heavy duty workshop drawers. 14" long when closed extending to 24". 1.3/8" deep x 5/16" thick.
Price £4.55 each
- (B) Cream finish steel with nylon rollers. 14" extending to 23". As used on kitchen drawers etc. **Sold in pairs.**
Price £4.75 per pair
402. **POLARIZING PLASTIC** An experimenter's dream! A pack of 10 pieces of light polarized clear plastic approx 50 x 35mm. Rotating two adjacent pieces demonstrates clearly the principle of polarized light going from light to approximately 95% dark.
Price 10 pieces for £1.20
403. **CHENEY HINGE** 2" long x 7/8" wide. Chrome plated steel and complete with stay.
Price 10 for £1.00
404. **LOW PRESSURE SWITCH** **STAR BUY!** And very popular. 3 sensitive and independent change-over switches rated at 10 Amps at mains voltage! Each operates in turn with increasing pressure at 4", 6" and 8" water pressure. (approx. 0.15, 0.25 and 0.3 psi). Many uses spring to mind including fluid level control for one. Size approx. 3.1/2 dia. x 1". Pressure nozzle 3/16" dia. 1/4 blade terminations on the three microswitches.
Price £2.95
405. **MUDGUARD WASHERS** M5 bore x 3/4" OD, plated.
Price 30 for £0.95

406. **THICK WASHERS** Steel, 7/8" OD x 3/8" bore x 3/16". **Price 10 for £1.40**
407. **PLASTIC HOSE FITTINGS** By Hoselok for standard 1/2" bore garden hose.
- (A) **Ball Valve.** This is ideal for turning off the supply when washing the car or watering the garden. List around £2.50!
- Price £0.75 each or 5 for £3.00**
- (B) **Female connector.** Allows hose to be joined to spraying heads or more hose.
- Price £0.95 each or 2 for £1.80**
408. **LAY OFF TAPE** Very useful for mounting photographs or illustrations or for fixing virtually anything. Consists of adhesive material with peel off backing. Just stick down and remove the backing. The tenacious adhesive is left enabling you to use it as required.
- Large reel 50mm wide x 100 metres long.**
- Price £8.95**
409. **PLASTIC RIVETS** For securing plastic or metal panels. Push rivet through hole and press home head. This action expands the legs securing the panel with a tenacious grip.
- Black 8.5mm dia. head and 4mm body. **Price 50 for £1.20**
410. **MASONRY DRILL SET** Set of four useful masonry drills. German manufacture. Smart plastic case. Sizes 4mm, 5mm, 6mm & 8mm.
- Price £3.95**
411. **HEXAGON SOCKET SCREWS** Quality at a silly price. By Unbrako.
- | | | |
|-----|---------------------------|--------------------------------|
| (A) | 4BA x 1/2" sets | <u>Price £2.75/100</u> |
| (B) | M4 x 6mm sets | <u>Price £2.75/100</u> |
| (C) | 1/4" BSW x 5/8" Cap Head | <u>Price £5.35/100</u> |
| (D) | M10 Cap Head x 80mm | <u>Price £6.50/ 25</u> |
| (E) | 8-32 UNC x 1/2" Cap Head | <u>Price £3.50/100</u> |
| (F) | 5/16" BSW x 5/8" Cap Head | <u>Price £2.65 / 25</u> |
412. **BROKEN CARBIDE DRILLS** Make superb and reasonably priced tool bits. They can be used in suitable holders for most lathes and can be ground using a green grit wheel. They make excellent bits for boring bars and cutters. They are 1/8" diameter and 1" long, solid Tungsten Carbide.
- Price 5 for £1.00**
413. **STRIPPER BOLTS** Knurled head hexagon socket stripper bolts. Bearing surface is precision ground to 1/4" dia. x 3/8" and retaining thread is 3/16" BSW x 3/8" long. For retaining moving arms, cam followers, etc.
- Price box of 25 for £2.50**
414. **MACHINE HACKSAW BLADE** Eclipse HSS 12" x 1" x 0.050" with 14 Teeth per inch.. Why not construct a machine round my blades?
- List over £8.00. **My Price £3.95**

415. **MOLDED LEAD AND PLUG** A really fine 2 metre lead of soft black plastic 3 core mains cable rated at 10 Amps. It terminates in a right angled, molded IEC plug. Standard colour coded wires, brown, blue and yellow/green.
Price £1.25 each or 4 for £3.80
416. **TOROIDAL TRANSFORMERS** High grade transformers with standard 240V ac 50 hz inputs. These low profile transformers feature a virtual absence of external magnetic field. All are well below list price.
- (A) 0-20V, 0-20V @ 0.75A 30VA
Size 3" dia. x 1.1/2" high
Price £5.50
- (B) 15-0-15V @ 1.5A, 60VA
8V-0-8V @ 1A
Size : 3.5/8" dia. x 1.3/8"
Price £4.95
- (C) 15-0-15V @ 4A. 120VA
Size : 4.1/2" dia. x 2.3/8"
Price £9.95
417. **TRANSFORMERS** Good quality transformers with standard mains input, 240V ac, 50 Hz. All are clamp mounted.
- (A) Output: 12V, 15V, 20V, 24V and 30V @ 1 Amp
Size: 70 x 60 x 56mm
Price £5.95
- (B) Output: 12V, 15V, 20V, 24V and 30V @ 2 Amp
Size: 80 x 70 x 65mm.
Price £6.95
- (C) Output: 20V - 0 - 20V @ 3 Amp
Size: 80 x 70 x 65mm
Price £5.95
- (D) Output 0 -12V, 0 - 12V @ 2Amp
Size: 80 x 60 x 68mm
Price £6.95
418. **TRANSFORMERS** A range of encapsulated transformers with blue/grey plastic cases. These are of exceptional standard and will enhance your home brew projects with that professional touch. Standard dual voltage 120/240V ac mains input. List price around £13 each for the larger ones!
- (A) 10VA. Output: 0 - 12V 0.8 Amp.
Size: 80 x 70 x 28mm.
Price £3.25
- (B) 24VA. Output: 0 - 9V, 0 - 9V @ 1.3 Amp each winding.
Size: 68 x 57 x 31mm.
Price £5.25
- (C) 24VA. Output: 0 - 15V, 0 - 15V @ 0.8 Amp each winding.
Size: 68 x 57 x 28mm.
Price £5.25
- (D) 30VA. Output: 0 - 18V, 0 - 18V @ 0.8 Amp each winding
Size: 68 x 57 x 35mm
Price £5.95

419. **PANEL METERS** Rectangular plastic lens. All have moving coil movements and are offered at a fraction of list price. As illustrated, size: 58 x 52mm, Face mounting through a 45mm round hole unless otherwise stated.
- (A) FSD 500V dc **Price £2.35**
- (B) FSD 5 Milliamps **Price £3.85**
- (C) SIFAM Professional, industrial quality meter. Large scale linear display calibrated 0 - 14 and 0 - 800mV. FSD 1 Milliamp. Front face 90 x 75mm. Mount through a 55mm round hole. List around £15. **Price £4.95**
420. **STARTER CABLE** Black PVC outer. 37/0.71mm conductors. 350A rating (105A continuous). **Price £3.95/metre**
421. **MAINS CABLE** Two core insulated oval mains cable rated at 3A. Black outer sheath. Conductors 16 x 0.2mm. Longer lengths pro rata @ 26p per metre. **Price 25 metres for £6.50**
422. **MULTICORE SCREENED** 7/0.2mm colour coded cable with grey outer sheath.
- (A) 20 core : 2 metres for £3.95
- (B) 36 core : 2 metres for £4.95
423. **SPEAKER CABLE** 50 METRE REEL. Each conductor is 13/0.2mm copper rated @ 3 Amps. White PVC insulation. Figure of eight construction with one ribbed for identification. Don't miss out on this one. **STAR BUY !** **50 Metre Reel £4.95**
424. **PTFE SLEEVING** Another fantastic parcel has just arrived. Each pack has two 5metre reels of PTFE rigid wall sleeving available now with two bore sizes. List over £6 each.
- (A) Bore 1.27mm **Price 10 metres for £1.85**
- (B) Bore 3.05mm **Price 10 metres for £1.95**
425. **CABLE TIES** Hellerman and other reputable manufacturers. These are always very popular. The longer ties are useful in the garden too for tying shrubs and trees to stakes etc.
- (A) 3" long white nylon **Price 25 for £0.40**
- (B) 4" long, white nylon **Price 25 for £0.50**
- (C) 8" long, white nylon **Price 25 for £0.85**
- (D) 80 Assorted lengths up to 14" **Price 80 assorted for £2.50**
426. **CABLE TIE MOUNT** *Thomas & Betts*.® White nylon. Usual price around 12p each. **My Price 20 for £1.25**

427. **TERMINAL BLOCK** Useful for all those projects under the bonnet of your car.
5 independent 6 way 1/4 blade connectors on an attractive blue plastic base with insulation shields.
3" long x 1" x 1.1/4". 2 hole fixing as illustrated.
List Price £2.76. **Price £1.55**
428. **CROC CLIPS WITH LEADS** How have you managed without this line? Since sourcing a suitable supply we have used these countless times ourselves. They are so useful for lash ups and experimenting. There are 10 x 12" cables of five different colours each fitted with two small crocodile clips. **Very, very popular!**
Pack of 10 leads for £1.95
429. **PRESSURE VALVE** A high pressure ON/OFF valve suitable for Air, Water, Oil etc. Heavy, nickel plated brass construction with only 1.3/4 turns from OFF to ON by means of the black plastic control knob. The base has 4 mounting holes to secure and the valve is available with either 1/4" or 3/8" pipe fittings. **Please advise size required.** Offered at a fraction of original cost. Weight approx 1/2 Kg.
Price £4.75 each or 2 for £9.00
430. **DC to AC INVERTERS** Two superb DC to AC Power Inverters. Compact and extremely portable they are suitable for running a variety of devices from a 12V dc battery. Each has unique circuitry to produce a modified sinewave output at 230V ac 50 Hz. These highly efficient devices are eminently suitable for running TV's, Computers, Electric drills etc. from battery power. Each has a low battery alarm, auto shutdown and overload protection. It is essential that the correct polarity is observed. Connecting the battery leads incorrectly will permanently damage the device.
- (A) Max capacity 300 watts continuous. Surge power capability 600 Watts. Size: 255 x 105 x 55mm.
My Price £57.55
- (B) Max capacity 600 watts continuous. Surge power capability 1500 watts. Size: 290 x 205 x 73mm.
My Price £108.00
431. **DIGITAL TIME SWITCH** Rated 13 Amps, digital 24 hour and 7 day control. Simple to programme by multi functional keys with 6 free programmes (6 on and 6 off) on a 24 hour cycle. Plugs into 13A socket.
List price £21.75. **My Price £11.95 to clear**
432. **ELECTRONIC BENCH TIMER** A well designed, heat and compact digital bench timer suited to Industry and Education and Laboratory use. Battery included.
CLOCK MODE: Can be programmed to indicate time in either 12 or 24 hour mode.
TIMER function can be set to time up or down to 23hr 59sec. On countdown the alarm sounds on reaching zero.
Price £11.25

433. **HAND HELD TIMER** Reliable, low cost, hand held stopwatch with large 8mm display. Chronograph readings go down to 1/100 sec. with a maximum capacity of 24 hours. Features split and Lap time, alarm, Calendar, day of week, etc. Optional hourly chime and clock can be set to 12/24 hour system with AM/PM indications. Battery included.
Price £9.95
434. **CIRCUIT BREAKERS** Magnetic type by *Airpax*. List price over £15 each. Rated for 240V ac mains operation. Available with either 12A or 25A rating. In addition there is an integral and independent 11SM1 micro switch with changeover contacts rated at 5 Amps. This switch only operates when the CB trips electrically and is automatically reset when the CB is switched back on.
(A) 12 Amp (B) 25 Amp rating.
Price £1.55 each or 10 for £14.00
435. **CIRCUIT BREAKERS** *Merlin Gerin Multi 9*, Double pole circuit breaker. Standard DIN rail mounting offering 6000 amp breaking capacity throughout. Conforms to BS3871. List price over £20 each.
6 Amp trip **My Price £4.25**
40 Amp trip **My Price £4.55**
436. **ISOLATOR SWITCH** By *Teraski Electric*. Double pole 63 Amp isolating switch. Fantastic value! List price is around £10. Ideal for switching mains electrics, either in distribution box or for any other high current application.
My Price £3.65
437. **CIRCUIT BREAKERS** We sell so many of these I thought it was about time to offer a mixed bag of different types which can be used in different applications. The pack will contain 10 assorted circuit breakers, the list price of which ranges from £6 up to about £15 each. The value of this pack exceeds £70! Thermal and magnetic trip types, some aircraft quality, all at a staggeringly low price.
438. **FUSE HOLDERS** (A) **Bulgin** sub miniature finger release panel mount fuse holder for 5/8" fuses. **Price 10 for £1.50**
(1) **Bulgin** miniature finger release panel mount fuse holder for 20mm fuses. List £1.20 each. **Price 5 for £3.50**
439. **POWER SUPPLY** Superb! Taylor Model 30. Mains input 220/240V ac. Output regulated 24V dc @ 1.5 Amps. Modular construction with cast and finned aluminium frame which supports all components including the PCB and transformer and which acts as a heatsink for the output regulator.
Size : 150 x 70 x 170mm deep.
List price around £60.
My Price £9.95 or 2 for £18.00

440. **SWITCH MODE POWER** Supply. Dual input 240V ac or 115V ac 50 hz. List price around £40.
Prices greatly reduced to clear. As with all SMPS a small residual load, say 100mA, is required for the unit to operate properly.

(A) Aztec 50 watts
 +5v DC @ 5a
 6.1/4" x 4" x 1.1/4"
Price £4.95

(B) +5V dc @ 10A
 7.1/4" x 4.3/8" x 2.1/4"
 Enclosed case
Price £5.95

441. **COOLING FANS**

(A) **EBM**
 220-240V ac 50 Hz 12 watt
 Size: 80 x 80 x 38mm
Price £6.95

(B) **PANAFLO**
 24V dc @ 0.2A
 Size: 80 x 80 x 32mm
Price £2.50 to clear

(C) **FAN GUARD**

For 80mm square fans
Price £0.85

442. **METAL DETECTOR**

Solex SF2000. Senses both AC current for tracking wires behind plaster etc. and also detects both ferrous and non ferrous metals. Variable sensitivity with audio sounder and red LED display. List around £10.

My Price £6.95

443. **NEON SCREWDRIVER**

AMBA mains testing screwdriver. No home should be without at least 3 of these. They are 200mm (8") long and have insulated blades with transparent handles. List price over £3.50.

Price £2.95

444. **POWER TRANSISTORS** Top quality by Motorola or Toshiba etc. **2N3055** popular power transistors.

Price £0.55 each or 4 for £1.80

2500. **SUB MINIATURE DC MOTOR/GEARBOX** STAR BUY!

Built with typical Swiss precision, this fine motor gearbox has been constructed to extremely fine limits and without consideration of cost. Suitable for a wide range of applications from electro-mechanical limbs to high tech missiles, a motor of this quality very rarely appears on the surplus market.

This motor/gearbox combination will find countless uses by Universities, schools, inventors, development engineers and hobbyists at a price well within everyone's reach.

THE MOTOR (Ironless Rotor Technology)

1. Low rotor inertia.
2. No hysteresis & Eddy current loss.
3. High power to weight ratio
4. High torque to inertia ratio.
5. High acceleration and very high efficiency.

Voltage :	1V to 6V dc. Typically 5V dc (motor runs from 0.1V upwards).
No load speed :	7000 rpm @ 12mA (5V dc)
Stall Torque :	2.5mNm
On load current :	0.4A
Gearbox Ratio :	729:1
Output Speed :	Approx. 10 rpm on load, proportional to applied voltage
Overall Size :	16mm dia. x 60mm long (complete unit), Shaft: 2.7mm dia. x 6mm long.

OPTICAL ENCODER

Infra red light from an LED is reflected by a graduated disc which is attached directly to the rotor. After passing through a mask the light is sensed by a photo transistor in the normal way.

LIST PRICE OVER £80**MY PRICE £9.95 EACH OR 10 FOR £95.00**

2501. <u>STEPPER MOTOR</u>	Step angle :	7.5°, 48 step/rev.	
	Voltage:	12V dc @ 300mA/phase, 6 wire (3 pairs)	
	Max pulse rate :	400 pps	
	Holding torque:	700gm cm	
	Size :	2.1/8" dia. x 1" deep with finned alloy heatsink.	
	Drive Shaft:	1/4" dia. x 5/8"	<u>Price £7.95</u>

2502. <u>LCD DISPLAY</u>	Sanyo DM1620-IBL7. A liquid crystal dot matrix display. It contains control drivers, a data RAM and a character generator ROM required for providing the display. It is capable of providing 16 characters x 2 lines of display. Data interfacing is in 8-bit parallel or 4-bit parallel and data can be written in or read from a microprocessor. Data sheets: 8 pages crammed with comprehensive information including circuit.
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Data sheets Price £0.95
LCD Display Price £3.45

2503. **MAX/MIN TEMPERATURE MODULE** A wide range, accurate ($\pm 1.5^\circ \text{C}$) dual display max/min digital thermometer, incorporating a 12 hour clock display. It can display both time or temperature. It also records and stores in memory both the highest and lowest temperatures measured by the external probe. These can be recalled to the screen since the last reset. A max/min. alarm function can be set to output a 4KHz tone. It is also possible to set the clock with optional alarm outputs. Complete with bezel and probe(2m lead).
- Specification: Battery: 1.5V AA cell (not supplied) life greater than 1 year.
Resolution 0.1°C sampling 1 or 10 seconds, switchable.
Temperature range -10°C to $+110^\circ \text{C}$ **Price £12.35**
2504. **ELECTRONIC COUNTER** A compact and economical counter module with 5 digit LCD display capable of counting from 0 to 99999 with reset facility.
- Also includes tone output on each count and on reset. Operates from a single 1.5V AA size battery (not supplied). Power consumption only $4 \mu\text{A}$. Max. input frequency 5Hz.
Complete with Bezel. **Price £9.45**
2505. **HC700 MULTIMETER** Professional quality 25 range analogue multimeter featuring 10 Amp AC/DC range. Sensitivity 20K ohm/V. Overload protected movement with easy to read mirrored scale. Housed in a sturdy case with integral swivel bench stand. Supplied complete with manual and test leads.
- | | |
|-------------|--|
| DC Voltage: | 0.1V, 2.5V, 10V, 50V, 250V, 1000V |
| AC Voltage: | 0-10V, 50V, 250V, 1000V |
| DC Current: | $50 \mu\text{A}$, 2.5mA, 25mA, 250mA, 10Amp |
| AC Current: | 0-10Amp |
| Resistance: | 0-10M ohm in four ranges |
| Accuracy: | 3% dc & ohms, 4% ac |
| Size : | $5.3/4" \times 4" \times 1.3/4$ |
- Price £23.75**
2506. **METER CARRYING CASE** A soft textured vinyl case zipped on three sides complete with carrying strap to fit the above meter. **Price £4.85**
2507. **DIGITAL MULTIMETER** Pocket sized 19 range multimeter with 3.1/2 digit, large visibility scale.
- Measures to 1000V dc and to 750V ac. DC current range to 10Amps. 5 resistance ranges to 2 Mohm. Accuracy on the voltage ranges better than 0.5%.
- Diode test and transistor test. Complete with leads, battery and soft yellow, protective plastic bench stand.
- All this for less than a Tenner!**
- My Price £9.85**

2508. POCKET MULTIMETER

This is a 16 range, pocket size, analogue meter which is small and light enough to keep with you at all times.

DC and AC volts: 0 - 2.5 - 10 - 50 - 250 - 500V
 DC current: 0 - 500 μ A - 10mA - 250mA
 Resistance: 0 - 10 ohm - 1K ohm
 Battery test: 1.5V dc and 9V dc

Complete with test leads and 1.5V battery. Size: 100 x 65 x 30mm.

STAR BUY

Price £6.75 each

2509. SOLDERING IRON

Antex model CS18W. 240V ac 18 watt.

Double shaft construction with inner shaft of high grade ceramic. Gives near perfect insulation and reduces leakage current to less than 2 μ A. Supplied with 3/32" bit type 1100.

Antex CS 18W

Price £13.95

Spare element

Price £ 5.95

Replacement Bits type 1100

3/32", 1/8" and 5/32" dia.

Price £2.65each

2510. LOW VOLTAGE IRON

Antex C15. 24V ac 15 watt. Similar to above model. Supplied with miniature tip type C100. Available only until present stocks are exhausted.

Antex C15

Price £7.95

Spare element, complete with handle

Price £5.95

Replacement Bits type C100 - 3/32" or 5/32" dia.

Price £2.65

2511. SOLDERING STAND

Model ST4. Strong chrome plated spring steel with heat resistant plastic base. Integral sponge for bit cleaning. Suitable for the Antex irons above.

Stand ST4 Price £4.35

Spare Sponge Price £0.75

2512. DESOLDERING PUMP

A high quality tool with double O ring washers for increased suction. Nozzle can be removed for cleaning or replacement. Light weight and easy to use.

Desolder Pump

Price £3.95

Spare Nozzle

Price £0.85

Replacement washer

Price £0.30

2513. SOLDER

British made high quality 60/40 5 core flux supplied on 500gm reels. 60% tin, 40% lead alloy. Manufactured to BS441, DTD 599A & DIN 8516. All gauges contain 5 cores of non corrosive flux.

18 gauge Approx. 60 metres

Price £7.95

20 gauge Approx. 108 metres

Price £8.50

22 gauge Approx. 170 metres

Price £8.95

2514. SOLDER RINGS

60% Tin, 40% Lead. Electronic grade. These ready fluxed solder washers make an economic and perfect joint, especially in PCB work. Just place over wire to be soldered and apply heat for a perfect joint. List price over £8 per 1000. Size : 1/8" O.D. x 0.050" bore. **Price 1000 for £1.95**

2515. **ALUMINIUM SOLDER** A composite alloy containing 4 cores of water soluble flux. Will join Aluminium, tin plate, brass, nickel, copper or stainless steel. Melting range 178°-270°C.
Contains 2% silver. **Price 4 metres of 20 gauge for £2.95**
2516. **LEAD FREE SOLDER** 18 SWG. A superior soft, flux cored, lead free alloy solder. 95%Tin, 3.5% Silver and 0.5% copper. Melting point 217°C. Can be used to join copper to copper, brass and stainless steel, giving a good colour match to the latter. 3% rosin and halide free flux. **Price 1 metre for £0.95**
2517. **SOLDER MOP** A specially impregnated wick which draws up molten solder, leaving the joint clean and ready for resoldering. Braid width 1.2mm x 1.5 metres long. Supplied on a handy plastic spool. **Price £0.95**
2518. **HEATSINK TWEEZERS** Small self clamping tweezers for gripping semi conductor leads during the soldering operation. By Antex. **Price £0.65**
2519. **SOLDERLESS PROTOTYPE BOARD** Designed for the construction and testing of circuits simply by plugging component wires or terminals into the board. Will accommodate I.C.'s transistors, LED's, capacitors and resistors etc. The contact positions are identified by an alpha numeric code.
- (A) PB102 with 840 tie points
175mm x 61mm x 10mm **Price £7.95**
- (B) Jumper wire pack. Contains 140 various lengths of colour coded PVC insulated wire which has been preformed ready for use. Supplied in a handy plastic container. **Price £4.25**
2520. **STRIPBOARD** A popular sized stripboard where copper tracks are bonded to laminated board and pierced to accept terminal pins. The holes are punched at 0.1" pitch with 1mm dia. holes.
- (A) 100 x 100mm **Price £1.40**
(B) 100 x 160mm **Price £2.15**
2521. **MATRIX BOARD** Similar to stripboard but without the copper strips. Manufactured from SRBP and pierced on a 0.1" grid.
100 x 160mm
Price £1.50
2522. **COPPER CLAD BOARD** Single sided copper clad FR650 laminate 1.6mm thick.
- (A) 100 x 160mm **Price £1.20**
(B) 100 x 220mm **Price £1.40**
(C) Surplus, a quality board approx 9" x 7" **Price £1.50**
2523. **PCB ERASER CLEANER** A silicone rubber block containing ultra fine non metallic abrasives for perfect instant cleaning and polishing of copper clad boards prior to marking in readiness for etching.
Size: 40 x 30 x 20mm **Price £1.60**

2524. **DALO ETCH RESIST PEN** A high quality etch resist pen, designed for drafting prototype PCB's directly on to copper clad boards. The ink is carried in a reservoir and is dispensed via a patented valve system which virtually eliminates evaporation. Complete with spare tip. **Price £2.65**

2525. **FERRIC CHLORIDE ETCHANT** Hexanhydrous ferric chloride pellets. 300gm pack makes up to **Price £2.50**

2526. **DIE CAST BOX** Manufactured by Eddystone Radio®. This superb aluminium alloy case is offered at around half list price. All sorts of uses make it a very popular size.
the removable lid comes complete with screws.

170 x 120 x 105mm deep. **Price £4.95**

2527. **LEAD ACID BATTERIES** (A) By MICROKIEL 7. A maintenance free rechargeable **12V, 18Ah** sealed battery. Can be used in any position. No leakage, Excellent discharge recovery. As used in Golf trolleys and invalid vehicles etc. Very, very popular so buy now to avoid disappointment. Ideal to for **Robot Wars etc.** Size: 170 x 165 x 75mm. Weight 6Kg. List price around £45.

Price £16.95 each

(B) NP10-6 by YUASA 7. A similar, sealed rechargeable battery to the above but **6V, 10Ah**. Size: 151 x 50 x 101mm. Weight 2Kg. List price over £16.

My Price £8.95

2528. **YUASA SEALED LEAD ACID BATTERIES** Maintenance free rechargeable. 6 & 12v lead acid batteries. Sealed construction. Can be used in any position. High energy density.

Ref.	Voltage	Capacity	L (mm)	W (mm)	H (mm)	Price
NP1.2-6	6V	1.2Ah	97	25	57.5	£8.40
NP2.8-6	6V	2.8Ah	134	34	67	£10.40
NP4-6	6V	4.0Ah	70	47	109	£12.80
NP1.2-12	12V	1.2Ah	97	48	57.5	£12.80
NP2.1-12	12V	2.1Ah	178	34	67	£15.25
NP7-12	12V	7.0Ah	151	65	103	£19.95

2529. **LITHIUM COIN CELLS** A range of low cost button cells with a voltage of 3V. Suitable for clocks, watches car alarm remote controls and calculators etc.

CR1220 36mAh 2.0 x 12.5mm **Price £0.45**
 CR2016 80mAh 1.6 x 20mm **Price £0.45**
 CR2025 150 mAh 2.5 x 20mm **Price £0.45**
 CR2032 210 mAh 3.2 x 20mm **Price £0.45**

2530. **RECHARGEABLE NICKEL CADMIUM** batteries. Various manufacturers, Saft, GP, Varta etc.

<u>Type/voltage</u>		<u>Standard</u>	<u>High Power</u>
Size AA, 1.2V	500mAh	£1.30	600mAh £1.45
Size C, 1.2V	1.2Ah	£2.50	1.6Ah £2.95
Size D, 1.2V	1.2Ah	£2.95	1.5Ah £3.55
Size D, 1.2V			4.5Ah £7.95
Size PP3, 8.4V	120mAh	£5.95, 120mAh(Nickel hydride) £6.75	

2531. **NICKEL CADMIUM** Rechargeable Battery Pack. Don't be disappointed we still have a reasonable number of these left.
10, AA size nickel cadmium batteries in a plastic pack delivering 12Vdc. Capacity is 600mAh. List price in excess of £11.

My price £3.95 or 2 packs for £7.00

2532. **STANDARD CHARGER** By Uniross. A nickel cadmium battery charger capable of charging up to 4 AA, C or D cells singly or in any combination. In addition one PP3 Nicad can also be charged. Five LED's are provided to indicate which charge positions are in use. There is also a cell test switch to indicate battery condition. **Price £7.95**

2533. **BATTERY HOLDERS** All with snap terminals.
(A) Holds 4 AA cells, (B) Holds 8 AA cells **Price £0.45 each**
(C) Holds 2 C cells (D) Holds 4 C cells **Price £0.55 each**
(E) Battery Snap connector **Price 2 for £0.20**

2534. **BRIDGE RECTIFIERS**
(A) **WO4 1.5Amps, 400 PIV** **Price £0.25 or 5 for £1.00**
(B) **C250 25 Amps, 200 PIV or (C) 600 PIV** **Price £2.25 each**
(D) **C350 35 Amps, 200 PIV or (E) 600 PIV** **Price £2.75 each**
(F) **C500 50 Amps, 200 PIV or (G) 600 PIV** **Price £3.65 each**

2535. **VOLTAGE REGULATORS**
78/79L series, 100mA, TO92 Available with the following voltage outputs:
+5V, -5V, +12V, -12V, +15V and -15V. **Price £0.40 each**

78/79 Series, 1Amp, TO220. Available with the following voltage outputs:
+5V, -5V, +12V, -12V, +15V, -15V and +24V. **Price £0.55 each**

2536. **1N4000 SERIES** **Diodes (1 Amp).** 1N4001(50V), 1N4002(100V), 1N4003(200V), 1N4004(400V), 1N4006(800V), 1N4007(1KV). **All one price, 10 of one type for £0.45**

2537. **1N5400 SERIES** **Diodes (3 Amp).** 1N5400(50V), 1N5401(100V), 1N5402(200V), 1N5404(400V), 1N5406(600V) and 1N5408(1KV). **All one price, 5 of one type for £0.75**

2538. **DIODE PACK** 100 off IN4148 General purpose Silicon
100 off IN4002 1 Amp Silicon Rectifier 100V **Price £2.50**

2539. **PANEL MOUNT BUZZERS** Low voltage panel mount electronic sounders suitable for a variety of projects. Available in 3V dc, 6V dc, 9Vdc, 12V dc or 24Vdc. **Price £0.75 each**

2540. **TRIACS & TRIGGER DIODE** TIC 206D TO220 400V @ 4A **Price £0.70**
 TIC 226D TO220 400V @ 8A **Price £0.85**
 TIC236D TO220 400V @ 12A **Price £1.10**
 TIC 246D TO220 400V @ 16A **Price £1.35**
 DO 201YR DIAC **Price £0.25**

2541. **HI LEVEL SOUNDER** A high power siren ideal for car alarms and other alarm use. Emits an extremely unpleasant, penetrating squeal at a very intense output. 6V to 12V dc @ 150 mA. Frequency warbles between 2.0 and 2.8 KHz. Sound level 110 db @ 1 metre.
 Size : 57 x 42 x 37mm **Price £5.95**

2542. **HIGH POWER SOUNDER** The siren above is extremely loud. For those of you who require the ultimate deterrent try this one!
 The output is an incredible 120dB at 1 metre, yet the sounder takes only 300mA @ 12V dc. Suitable for car, household and industrial alarms.
 Size : 85 x 60 x 55mm. **Price £9.95**

2543. **CARBON POTENTIOMETERS** Shaft size 6mm dia. x 40mm long.
 Available with **LINEAR** track as follows:-
 1K, 2K2, 4K7, 10K, 22K, 47K, 100K, 220K, 470K, and 1M ohm.
 Rating : 0.4 watt. **Price £0.50 each or 10 for £4.60 any mix**

2544. **CONTROL KNOBS** Knob body is matt black. Caps to fit are included. Please specify Red, Green, Blue or Grey. Both are for 6mm spindles.
 17mm plain knob **Price £0.45**
 20mm knob with skirt **Price £0.55**

2545. **CARBON FILM RESISTORS** Type CR25 (0.254w) 5%. Body size 6.5mm x 2.5mm.
 All values are supplied in multiples of 10 or 100.

1.0R	6.8R	47R	330R	2.2K	15K	100K	680K	4.7M
1.2R	8.2R	56R	390R	2.7K	18K	120K	820K	5.6M
1.5R	10R	68R	470K	3.3K	22K	150K	1.0M	6.8M
1.8R	12R	82R	560R	3.9K	27K	180K	1.2M	8.2M
2.2R	15R	100R	680R	4.7K	33K	220K	1.5M	10M
2.7R	18R	120R	820R	5.6K	39K	270K	1.8M	
3.3R	22R	150R	1.0K	6.8K	47K	330K	2.2M	
3.9R	27R	180R	1.2K	8.2K	56K	390K	2.7M	
4.7R	33R	220R	1.5K	10K	68K	470K	3.3M	
5.6R	39R	270R	1.8K	12K	82K	560K	3.9M	

Price **10 off (1 value) £0.40** **100 off (1 value) £1.00** **1000 off (10 values x 100) £8.00**

2546. **DEVELOPMENT KIT** comprehensive development kit, comprising 50 of each x 144 values covering resistance range 2.2 Ω to 10M Ω . A total of 7,200 resistors, **housed in two transparent storage cases** with integral dividers and hinged lids. Each value is supplied in a strip of 50, separately bagged and labelled. **Price £47.95**
2547. **HIGH CURRENT SCR** BTX94-200 (Mullard), CR201B (AEI), T6411B (RCA).(Same spec.) A high current 200V thyristor rated at 30 amps. Complete with insulating washers and nuts. **Price £0.65**
2548. **MINIATURE SWITCHES** **What a fantastic buy!** Rated at 3A @ 250V, 6A @ 125V Super quality stock at prices you wouldn't believe. All have 1/4" dia. mounts and come complete with nuts and washers. Solder tag terminations. **LIST PRICE OF LOCKING TYPE IS OVER £4 each!** TYPES INCLUDED :- Single pole change over, Double pole change **20 Assorted Price £7.50**
2549. **MINIATURE SWITCH** C&K PCB mounting miniature push button switch. With single pole change over contacts (momentary action). Horizontal mount with gold plated pins. List around £1.50 each. **My Price 10 for £1.65**
2550. **TOGGLE SWITCHES** Standard size, heavy duty. All by reputable manufacturers. Type (A), (B) and (C) are Aircraft quality and have a molded waterproof gland and metal toggles. Type (E) has a short black toggle and the others have black paddles (BP). List price between £1.70 and £4.00 each. Bi. = Biased in one direction.
- | | | |
|--|--|--|
| (A) Single pole
on/off
250V ac @ 9/18A
Screw terminals
<u>Price £1.30</u> | (B) Single Pole
on/off, Bi off
250V ac @ 9/18A
Screw terminals
<u>Price £1.15</u> | (C) Double Pole
on/off, Bi off
250V @ 9/18A
Screw terminals
<u>Price £1.25</u> |
| (D) Single pole, BP
Change over
250V @ 13A
1/4" blades
<u>Price £1.25</u> | (E) Double pole
on/off
250V ac @ 10A
1/4" blades
<u>Price £1.25</u> | (F) Double Pole
on/off, H. Duty
250V @10/16A
Screw terminals
<u>Price £2.35</u> |
2551. **POWERFUL MAGNETS** Suitable for operating the reed switches listed on the next page. This is now a super pack of over 12 various powerful ceramic magnets, some small and oblong, some round, in fact all shapes and sizes up to about 1" dia. and 3/16 thick. Packs do vary in composition so why not buy more. **Price 12 for £1.55**
2552. **EHT CABLE** This is the highest voltage rating for given cable diameter that we have seen. Manufactured by Sumo of Japan. Red in colour.
- | | |
|--|----------------------------------|
| (A) 10KV rating, 2.5mm OD. Conductor 7/0.2mm | <u>Price 5m for £0.95</u> |
| (B) 50KV rating, 5mm O.D. Conductor 7/0.2mm | <u>Price 5m for £1.95</u> |

2553. **REED SWITCHES** All sorts of ideas flourish i.e. alarms, musical keyboards, speed sensors, etc.
Contacts close when subjected to a magnetic field.
(A) 5mm dia. x 48mm long. **Price 5 for £0.85**
(B) Sub miniature, 2.4mm dia. x 15mm long. **Price 10 for £0.85**
(C) Reed coil 6V dc @ 7mA. 890 ohms for (B). **Price 5 for £0.75**
2554. **MIXED FUSES** Well, we get a fair variety of fuses in mixed parcels in quantities far too small to advertise. So an interesting assortment of fuses, mostly 20mm and 1.1/4" will be included in this pack. Expect over 25 pieces.
Price £0.95
2555. **IGNITION CABLE** Another consignment just in. It is a high temperature, high voltage cable insulated with a PTFE outer covering 2mm in diameter. Conductor is seven strand nickel alloy 7/0.2mm. **Price 5m for £1.20**
2556. **SUFLEX SLEEVING** The real McCoy. Braided Yellow high temperature coated glass fibre sleeving with a bore size of 1mm. Pack contains 5 metres.
Price 5m for £0.75
2557. **SUFLEX SLEEVING** As above but this time a mixed pack with 3 different sizes and colours up to 2mm bore. Pack contains 3 pieces each 5m long.
Price 15m for £1.95
2558. **PTFE TERMINALS** Push fit. 3/16" dia. with gold plated receptacle for test probes etc. Other end has solder bucket, gold plated for ease of soldering.
Price 20 for £0.60
2559. **MERCURY SWITCH** Here is a strange one. Some form of Mercury wetted reed switch we think. A glass envelope only 1" long and 5/16" diameter contains a single pole change over magnetically activated switch which encloses a large bead of mercury. 3 Heavy duty bonded pins complete.
Price 4 for £1.00
2560. **CERAMIC PLATE CAPACITORS** An excellent selection of modern miniature capacitors which normally retail at around 5p each. At least 200 assorted types rated at 100V/50V. **Price £2.00**
2561. **TANTALUM CAPACITORS** A mixed pack of assorted tantalum beads and solid tantalum capacitors. These are super value and include some to military specification. List over £3.
Price 15 for £0.75
2562. **MIXED CAPACITORS** Well over 150 modern miniature capacitors contains all sorts, mica, ceramic, monolithic, tantalum bead, polycarbonate and electrolytic etc.
Price £2.25
2563. **VARIABLE CAPACITOR** A beautifully engineered air spaced capacitor. 0- 20 pf. Ceramic insulation and 1/4" shaft 1/2" long. List around £5.
Price £1.95 each or 2 for £3.60
2564. **CERAMIC RING MAGNETS** Very strong. Size 2" O.D. x 1" bore x 3/8" **Price 4 for £1.20**

2565. **ELECTROLYTIC CAPACITORS** In excess of 100 electrolytic capacitors, wire ended and printed circuit mount. All useful values at a fraction of list price.
Price £2.25 per pack
2566. **RESIN DIPPED CAPACITORS** Monolithic multi-layered ceramic capacitors offering high volumetric efficiency compared to other types. All are rated at 100V dc and are offered at well below list price.
- (A) Pack of 50 assorted values from 15pf to 100,000pf **Price £1.40**
 (B) Pack of 10 0.1 μ F (100,000pf). List 35p each. **Price £0.70**
 (C) Pack of 10 0.47 μ F (470,000pf) List 87p each. **Price £1.20**
2567. **ELECTRICAL TAPE**
- (A) **INSULATION TAPE** A 20 metre reel by *Davico7*. A quality flame retardant Black PVC tape. You could expect to pay considerably more for this line elsewhere!
19mm x 0.13mm x 20 metre reel. **Price 2 reels for £1.45**
- (B) **YELLOW TAPE** by 3M and PPI. A thin but very strong Yellow plastic, self adhesive tape.
12mm wide x 66m reel. **Price 2 for £1.40 or 5 for £3.00**
- (C) **INSULATION TAPE** *Tikkitape7* PVC tape. A very high quality flame retardant product to BS3924.
19mm x 0.15mm x 33 metre reel. **Price 2 reels for £1.85**
2568. **CERAMIC CAPACITORS** An assortment of various ceramic capacitors including Monolithic types. At least 50 capacitors with many different types and values. **Price £0.95**
2569. **POLYSTYRENE CAPACITORS** Another assorted pack of useful values, this time polystyrene capacitors. Over 100 per pack. **Price £1.20**
2570. **JEWEL CD CASES** A very popular new line. I have two types, Single and Twin. Both take standard size CD's or DVD's. High quality material and build. Keep all those special magazine offers neat and tidy at last!
- (A) Single **My Price 4 for £1.20 or 10 for £2.70**
 (B) Double **My Price 4 for £1.60 or 10 for £3.60**
2571. **BRIDGE RECTIFIER** Special offer KBC 602. 200 PIV @ 8 Amps.
Size 15 x 15 x 5mm with wire terminations.
List £1.25 each. **My Price 4 for £1.75**
2572. **MIXED SWITCHES** 15 assorted switches, toggle, rocker, rotary, push button, illuminated switches etc. All sorts and sizes. This pack will contain miniature toggles and high current types too.
Once seen you will be back for more.
Price 15 for £3.65

2573. **PRECISION POT** By CITEK. 100K ohm linear track. Sub miniature construction gives only 3/8" behind the panel. Nickel plated brass shaft 1/4" dia. x 1/2" long. Size 1/2" x 1/2" x 3/8". List price £2.92 each.
My Price 2 for £0.80
2574. **PUSH BUTTON SWITCH** Illuminated. A panel mounting switch with double pole switching. Available with RED or YELLOW lens. Both have gold plated pins.
Mount through a panel cut out 19 x 19mm.
The switch action is locking. i.e. push for on, push again for off. Provision for two filament lamps (T1 miniature flange)
Price £1.50 each or 4 for £4.00
2575. **POWER SUPPLY PCB** New manufacturers over run. 12V dc power supply. Contains 12V encapsulated transformer, 2 opto isolators and other components.
Price £1.00
2576. **POWER SUPPLY PCB** A similar 12V dc power supply to the above but with IC=s and transistors/opto isolators etc.
Price £1.00
2577. **POWER RELAY UNIT** A 12V dc power supply together with a Schrack 12V dc relay with contacts rated at 16 Amps.
Price £1.50
2578. **MAINS RELAY UNIT** Contains a 0-15V + 0-15 V encapsulated transformer and associated dc power supply plus a 240Vac power relay rated at 12 Amps.
Price £1.25
2579. **POWER RELAY MODULE** Contains a 5V dc regulated power supply, 5 opto isolators and 5 240V ac power relays. The change over contacts are rated at 12Amps.
Price £3.25

2580. **CLAIRE DIL RELAY** PRME 15005B. Dual in line 14 pin package. 5V dc 380 ohm coil. Single pole on off contacts rated at 0.5Amp. Internal diode protection. Coil connected between pin 6 and 13. Contacts between 1/14 and 7/8.
Price 5 for only £1.00
2581. **POWER RESISTORS** A mixed selection of vitreous enamelled , ceramic coated wire wound resistors from 2 watt up to 10 watt. Jolly useful values too, from 0.5 ohm upwards.
Price 20 for £0.95
2582. **5V & 12V REGULATORS**
- | | |
|----------------------------------|----------------------------------|
| 7805M, TO220 | 79L12 TO92 |
| Input voltage max 30V dc | Input voltage max 35V dc |
| Output +5V dc @ 0.5A | Output -12V dc @ 100mA |
| Usual price £0.30 each | Again well below list |
| <u>Price 10 for £0.65</u> | <u>Price 10 for £0.60</u> |
2583. **PRECISION POTENTIOMETER** **5K ohm**, by Bourne. Precision wire wound potentiometers enclosed in a nickel plated brass case with precious metal wiper. List around £9 each!
Price £1.85
2584. **CONNECTOR BLOCK** High impact blue plastic with 6 terminals. Clamping screw bears on beryllium copper clips to secure each wire. PCB mount. List around £1 each.
My Price 2 for £0.80
2585. **TIMERS** By Telecontrols type P4. Size 20 x 27 x 65mm. Each have 4 pole changeover relay output rated @ 3 Amps. 14 Pin plug-in or solder terminations. 2 LED's to indicate state.
- (A) **P4W** Time delay : 0-60 secs. 240Vac, 50 hz mains input.
Price £4.95
- (B) **P4E** Time delay : 0-60 mins. 240Vac, 50hz mains input.
Price £4.95
- (C) **P4E** Time delay: 0-60 secs. 110V ac 50 hz input.
Price £3.95
- (D) 14 pin plug-in base with screw terminals to suit the above 3 timers.
- (E) **STE2** 0-60 min. Size 22 x 64 x 69mm. 110Vac 50hz input. DIN Rail mount with screw terminations. Relay contacts: Single pole c/o rated @ 5Amps.
Price £3.95
2586. **PUSH BUTTON SWITCH** Illuminated by internal green LED, reflector and diffuser. Separate contacts for LED. Single pole on/off. PCB mount.
Price 2 for £0.80
2587. **MINIATURE POTS** Miniature and Sub miniature trimmer potentiometers by quality manufacturers like AB, Spectrol and Bourne. The multi-turn types list at around £1.50 each. I have so many different types so here is a really exciting selection of types and values. There will be single turn and 10 turn types ranging from 100 ohm to 500 K ohm .
Price 20 assorted types for only £2.50

2588. **MICROPHONE INSERT** Panasonic WM O34 AY102M. Electret condenser omni direction microphone inserts. Power supply 1-10V (2V nominal). Impedance : 300-1000 ohm Size : 10mm dia x 7mm. Freq. response 50-12000 Hz
List around £0.95. **My Price 5 for £1.40**
2589. **BRIDGE RECTIFIER** High current by International Rectifier®. KBPC15-04.
Rated at 400 PIV 15 Amps. 1/4" blade terminations.
Size: 28 x 28 x 10mm.
Single hole fixing. List £2.55 each! **My price 2 for £1.60**
2590. **ALLOY CLAD POWER RESISTORS** Aluminium clad resistors for applications where high wattage dissipation in a small space is required. List price of the 50 watt is now in excess of £2. Available in the following values .
- (A) **50 watt:** 22R, 120R. **Price £0.95 each**
- (B) **25 watt:** IR5, 20R, 39R, 47R, 56R, 82R, 100R, 180R, 220R, 560R, 1K8, 2K4, 6K8. **Price £0.75 each**
- (C) **10 watt:** 0.091R, R47. **Price £0.25 each**
- (D) **5 watt:** 47R, 56R, 100R. **Price £0.20 each or 10 for £1.50**
- (E) **Pack of 10.** Assorted values and power ratings. **Price £1.60**
2591. **TOGGLE SWITCH** By Micro. Miniature construction but with 15/32" dia. Mounting boss and standard short toggle. Bright Nickel plated. Three position, on-off-on, with single pole change over contacts rated @ 6A 125V, 3A 240V.
Complete with nuts & washers. **Price 2 for £1.40**
2592. **MINIATURE BOXES** 2 part, low cost, high quality, general purpose boxes moulded in high impact ABS. Available in Black only.
- (A) 75 x 56 x 25mm **Price £0.95**
- (B) 111 x 57 x 22mm **Price £1.25**
- (C) 100 x 76 x 41mm **Price £2.25**
- (D) 118 x 98 x 45mm **Price £2.35**
2593. **TRANSISTORS** Our 4 page stock list which contains full data on all types in stock is available at £0.50. An exciting selection of top quality devices follow.
- (A) 100 transistors (BC108, 2N2222 etc) **10 each of 10 types** **Price £1.60**
- (B) 200 ditto **10 each of 20 types** **Price £3.00**
- (C) 20 ditto, **Power Transistors** **4 each of 5 types** **Price 3.00**
2594. **REMOTE KEYPAD** A hand held infra red transmitter/receiver. Six push button controls numbered 1 to 5 plus a High/Low intensity button.
Requires a 9V PP3 battery.
Price £1.00each or 3 for £2.40
2595. **POWER MOSFETS**
- IFR 522 TO220 100V, 4A max **Price £0.95**
- IFR 520 TO220 100V, 8A max **Price £1.10**
- IFR 530 TO220 100V, 15A max **Price £1.15**

2596. **INTEGRATED CIRCUITS**(A) 74 LS Series. **20** assorted chips. All top quality**Price 20 for £2.00**(B) 40 CMOS Series. **20** assorted chips.**Price 20 for £2.00**2597. **TIMERS, OP AMPS AND OTHER DEVICES**

741P Op Amp DIL8

Price £0.25

NE555 Timer DIL8

Price £0.25

LM3914N Linear bar graph driver DIL18

Price £2.45

LM3915N Log bar graph Driver DIL18

Price £1.952598. **5MM LEADS & BEZELS** Standard 5mm (0.2") LED. Always popular and now with price reduction.

(A) Red 5 for £0.40 (C) Yellow 4 for £0.40

(B) Green 4 for £0.40 (D) Bezels 10 for £0.40

2599. **3MM LED'S & BEZELS** Standard 3mm (0.125") LED

(A) Red 5 for £0.40 (C) Yellow 5 for £0.40

(B) Green 5 for £0.40 (D) Bezels 10 for £0.40

2600. **5MM FLASHING LED** Flashes at a constant frequency of 2.2Hz/sec. Supply voltage 4.7 to 12V dc
No series resistor required but you must observe correct polarity.
Available in **RED, YELLOW OR GREEN.** **Price 2 for £1.20**2601. **ULTRA BRIGHT RED** LED. SLA 580JT. Standard 5mm case. Probably the **brightest LED** you will find. Literally shines a beam! Available in red only. 10°.viewing angle. Voltage 2.1V dc 20mA max. **My Price 2 for £1.20**2602. **VERY BRIGHT GREEN** LED. Standard 5mm case.
Very bright green. Max current 20mA. **My price 3 for £0.90**2603. **LED BAR GRAPH** High intensity RED. A 10 segment bar graph display with separate anodes and cathodes for each segment. They may be end stacked to create bar graphs of greater lengths. Red MV57164 (list £2.65)
Price reduced to clear £0.952604. **LARGE NUMERIC DISPLAYS** .43" high displays. 14 pin DIL mounting. List around £2 each!
RH decimal RED common cathode.
Price £0.60 each or 5 for only £1.502605. **RECTANGULAR LED** Hewlett Packard HLMP T500 GREEN. Can be stacked vertically or horizontally to form bar arrays etc. Intensity 6 mcd @ 20 mA.
Size : 6 x 3 x 6.5mm. List £0.50 each.
My Price , reduced to clear 10 for £0.50, 100 for £3.002606. **LIGHT DEPENDENT RESISTOR** The resistance decreases as the light intensity increases.(A) ORP12 Dark resistance 1M ohm min., 9K ohm @ 10 Lux,
400 ohm @ 1000 Lux. **Price £1.25**(B) RPY58A Dark resistance 1M ohm min., 150 ohm @ 10
Lux, 70 ohm @ 1000 Lux. **Price 10 for £1.00**

2607. **HIGH INTENSITY LED** Array. 38 assorted Red and Green LED's mounted on a small pcb. These are very powerful and will actually shine a beam. Fantastically popular in the last list, I have just purchased another large parcel. Those of you who were disappointed last time can now re-order. These PCB's, we understand, were manufactured for use in motorway traffic signs but never used. Our usual list price for high intensity Red LED's is **£0.60 each!**(see 1603)
Price per panel with 38 High intensity LED's for only £1.35
5 panels (that's 190 LED's) for £4.95
2608. **OPTO ELECTRONICS** **Top quality devices** that come in many different types and sizes. Red, Amber, Yellow, Green, **Infra red**. Includes bar display types. Now time to take advantage of these **FANTASTIC SAVINGS**.
- (A) **100 mixed LEDS, mixed colours and types** **Price £3.95**
 (B) **200 ditto** **Price £7.60**
 (C) Coloured LEDS. 7 segment displays. Opto isolators, Infra red diodes etc. Over 30 pieces per pack. **Price £3.00**
2609. **INFRA RED SOURCE** and sensor. A spectrally matched IR emitter, TSUS5400 and a high speed photo-diode, BPW 41. Data sheet price £0.30
Price £1.30 the pair
2610. **BI-PIN BULBS** Used in push button switches, torches and for direct soldering into PCB boards. Silver plated pins.
 Type TI 3.8mm dia. x 9mm 5 Volts. **Price 10 for £1.50**
2611. **MIXED NEONS** A super assortment of 10 panel mounted neons at an unbelievable price.
2612. **NYLON PILLARS** Material : White nylon 66. Size : 6mm dia. x 15mm long. Self tap M3.
Price 20 for £0.50
2613. **OPTO RELAYS** By Opto 22. 5V dc control voltage.
 Will switch **240V ac** mains loads. **Up to 4 Amps**.
 Size 42 x 25 x 10mm PCB mount.
 List around £8 each.
My Price £2.20 each or 2 for £3.60
2614. **TEMPERATURE PROBE** A high precision thermistor probe designed for use with medical equipment. Linear response between 15°C and 40°C and can be used to measure temperatures between 0°C and 80°C. List price understood to be over £20. 4" long x 5/32" dia. with coiled lead.
Price £1.95
2615. **HIGH CURRENT TRIAC** 600V ac @ 15A. Manufactured by RCA. Isolated stud mounting. Complete with nut and washer.
Price £0.65 each or 10 for £5.50
2616. **GLASS / METAL SEAL** A special alloy with the same coefficient of expansion as glass, used for discharge tube etc. 1mm dia x 64mm long.
Price 10 for £0.95

2617. **MINIATURE TOGGLE SWITCHES** Manufactured by C & K, Plessey, etc. Rated 250V @ 2A.
SP = Single Pole DP = Double Pole CO = Change over.
- | | | | |
|-----|----|------------------------|---------------------------|
| (A) | SP | 2 position CO | <u>Price £0.65</u> |
| (B) | DP | 2 position CO | <u>Price £0.75</u> |
| (C) | SP | 3 position, Centre off | <u>Price £0.85</u> |
| (D) | DP | 3 position, centre off | <u>Price £1.00</u> |
2618. **TRIMMER CAPACITORS** Miniature single turn ceramic trimmers by Murata.
Green (5-30pf) Orange (6-50pf) and
Black (2-10pf). List 25p each
Pack of 15, ALL GREEN or ASSORTED **Price £1.25**
2619. **MINIATURE PUSH BUTTON SWITCH** A miniature momentary action push button switch with
changeover contacts rated at 3A @ 250V ac. 10mm dia. coloured caps
are available in red or black. List price over £2.00 each.
- | | | |
|-----|----------------|---------------------------|
| (A) | Single pole CO | <u>Price £0.75</u> |
| (B) | Double pole CO | <u>Price £0.85</u> |
2620. **LOW PROFILE I.C. SOCKETS** Quantity in pack in brackets followed by price of pack.
- | | | | | | |
|---------------|------|-------|---------------|------|-------|
| 8 pin | (10) | £0.70 | 14 pin | (10) | £0.95 |
| 16 pin | (8) | £0.85 | 20 pin | (8) | £0.85 |
2621. **TURNED PIN I.C. SOCKETS** For the professional approach. Augat low profile turned pin
with gold contacts. List over £0.80 each. Quantity in pack in brackets, followed by price.
- | | | | | | |
|---------------|-----|-------|---------------|-----|-------|
| 8 pin | (4) | £1.00 | 14 pin | (4) | £1.15 |
| 16 pin | (4) | £1.20 | 18 pin | (3) | £1.05 |
2622. **STRAIN RELIEF BUSHES** Used to protect and securely anchor cables for through entry. Various
sizes. A mixed pack of 20 assorted clamps. Fraction of list price. Very
popular. **Price 20 for £0.95**
2623. **CROCODILE CLIPS** Standard size 50mm long. Insulated with 4mm socket and insulated by
plastic boot. Pack contains 2 red & 2 black clips.
Price £1.00
2624. **ULTRASONIC TRANSDUCER 40 khz** *Murata* MA40. High sensitivity transmitter and receiver
Nominal frequency 40 kHz 2 kHz. Capacity 1300 pf.
List £3.06 each. Data on request, price 15p.
- | | | |
|-------------|----------|---------------------------|
| Transmitter | MA40A3S | <u>Price £1.65</u> |
| Receiver | MA 40A3R | <u>Price £1.65</u> |
2625. **CERAMIC BEAD INSULATORS** Very useful for supporting power resistors, insulating wires in
hot environments to name but a few.
- | | | |
|-----|---------------------------------|-----------------------------|
| (A) | 1/8" O.D. x 3/64" I.D. x 1/8" | <u>100 for £1.20</u> |
| (B) | 3/16" O.D. x 3/32" I.D. x 9/32" | <u>50 for £0.95</u> |
| (C) | 1/4" O.D. x 7/64" I.D. x 1/4" | <u>50 for £1.20</u> |

2626. **'D' TYPE CONNECTORS** Sub miniature, high performance connectors with gold plated solder bucket terminals. Plug or socket may be chassis mounted.
- | | <u>Plug</u> | <u>Socket</u> | <u>Cover</u> |
|------------|-------------|---------------|--------------|
| (A) 9 way | £0.70 | £0.85 | £0.60 |
| (B) 15 way | £0.95 | £1.35 | £0.60 |
| (C) 25 way | £1.25 | £1.65 | £0.75 |
2627. **13A MAINS PLUG** Well made in hard white plastic with finger guard. Standard insulated pins.
- Price 2 for £1.50**
2628. **THERMAL SWITCHES** Auto re-setting thermal switches with snap action bi-metallic SPST normally closed contacts rated at 250V ac @ 8A.
- | | |
|-------------------------------|--|
| (A) 68°C. Manual button reset | (D) 240°C Auto reset |
| (B) 120°C Auto reset | with 6" wire leads. |
| (C) 223°C Auto reset | <u>All one price £0.85 each</u> |
2629. **OSCILLOSCOPE PROBE** COLINE M20.X1. DC to 30 MHZ. 2 metre lead length.
Rise time 11 ns
Input resistance 1M ohm
Max voltage 600 DC/peak AC List price around £25.
- My Price £11.95 each**
2630. **AUDIO CONNECTORS** These really are rather nice. Chrome plated brass finish. Matching chassis plug and cable socket. 4 pin rated at 5 Amps.
- Chassis plug Price £1.35
Cable Socket Price £1.95
2631. **MAINS LEADS** Moulded plug and socket cable assembly consisting of a 6 amp IEC straight cable socket with integral black lead terminating in a BS1363 13 amp sleeved pin plug. Cord length 2 metres.
- Price £3.15**
2632. **TERMINAL BLOCK** K10 by Klippon. 10 way cable to PCB. Orange. Pin pitch : 0.25".
Rating : 300V @ 10 Amp. Leaf spring protects clamped wire.
Size: 1/2" x 1/2" x 2.1/2".
- Price 4 for £1.20**
2633. **TERMINALS** Good quality standard 4mm Terminal posts which will also accept 4mm Banana plugs. Complete with nuts etc.
- | | |
|-------------------------|---------------------------|
| (A) 2 Red plus 2 Black. | <u>Price £1.45</u> |
| (B) 2 Green. | <u>Price £0.75</u> |
2634. **TERMINAL STRIP BONANZA** Still lots to clear and now final reductions apply! Some have a trade price in excess of £2 each. Lots of different types and various current ratings up to 15 Amps. Buy now while stocks last.
- Special pack 10 assorted for £1.95**

2635. **IEC POWER INPUT SOCKET** IEC chassis mounting socket with integral mains filter rated @1Amp. Short can by Schaffner with flying leads. **Superb value** as the list price is over £8 each. **Price 2 for £1.70**
2636. **DIODES, SCR'S, ETC.** What a fantastic collection of Diodes, Bridge Rectifiers, SCR's, Zener Diodes, etc. All quality components - no rubbish. At least 50 pieces per pack. **Price £1.60**
2637. **MAINS FILTER** Provides approximately 30 db attenuation over the frequency range 400 Khz to 50 Mhz. Maximum load current 2.0 amps. Applications include digital circuitry, computers and business machines etc. Size : 1" x 1/2" x 1.7/8". List price £4.95. **Price £1.65**
2638. **MAINS FILTER** List price over £8. Frequency range 150 kHz to 30 MHz. Attenuation 35 db. Connections by 1/4" spade receptacles. Rated at 250V ac @ 5A. Size : 2" long x 1.1/2" dia. **Price £3.45**
2639. **MINIATURE SPEAKER** Well, this is really small. Only 12mm dia. x 9mm high with PCB pins. Could be used for miniature sounder or speaker. Vast parcel so very cheap! **Price 10 for £1.00**
2640. **SOLDER TAGS** All in packs of 50 except where marked differently
- | | | | |
|-----|-------|----------------------|-------|
| OBA | £0.60 | 8BA | £0.50 |
| 2BA | £0.45 | 4BA Shakeproof (100) | £0.75 |
| 4BA | £0.45 | 2BA 6 way (25) | £0.65 |
| 6BA | £0.45 | 6BA 6 way (25) | £0.55 |
2641. **COIL FORMER** White nylon. Complete with adjustable ferrite core and tinned PCB pins. The former is 3/16" dia. and 5/8" long. **Price 10 for £0.50**
2642. **PRINTED CIRCUIT BOARD MOUNTS** These plastic pillars ensure a versatile and easy way to support PCB's. Such a useful pack of 20 assorted sizes and lengths. **Price 20 for £0.60**
2643. **HOOK UP WIRE** Various colours and sizes up to 15mm. Mainly stranded 16/0.2mm. Pack of 5 different colours each being 5 metres long. **Price £1.60 for 25 metres**
2644. **PTFE SLEEVING** Small bore. 2 metres each of 5 different colours. Always popular **Price £0.60 for 10 metres**
2645. **3 POSITION SWITCH** By *Reinach*. A 3 position switch complete with black selector knob clearly marked with a white arrow. The knob is 16mm dia. and the behind panel depth only 45mm. Each bank has 2 pairs of on/off contacts with change over switching. The left bank being operated in position 1 and 2, while the right bank is operated in positions 2 & 3. List price in excess of £12. **Price £2.85**

2646. **IEC MAINS CONNECTORS** By Bulgin and Rendar etc. All rated at 250V ac @ 6A.

(A) **CHASSIS PLUG**

1/4" spades

Price £0.75

(B) **POWER OUTLET SOCKET**

Solder tags

Price £0.85

(C) **STRAIGHT CABLE SOCKET**

Mates with (A)

Price £1.05

(D) **SHROUDED CABLE PLUG**

Mates with (B) and (C)

Price £1.35

2647. **KEYSWITCH**

What a lovely switch this is! Aircraft quality by Greyhill, USA.

20mm dia. and 65mm long. Bright Nickel plate

Four independent sets of change over contacts.

The key is removable in the anti clock position.

List price over £16. Complete with 2 keys and nut.

Price £3.35

2648. **RAFI SWITCH/LAMP**

Two superb units. German technology at its best!

up

(A) Illuminated momentary action double pole push switch rated @

to 380V @ 4A. Black bezel 18mm dia. with orange lens and

optional diffuser. Takes bulb type T4.5 wedge

bulb.

Price £2.50

diffuser.

(B) Panel lamp. 18mm square black bezel with green lens and

Takes T4.5 bulb.

Price £1.15

2649. **SPACERS**

(A) Nylon 66 with brass inserts, threaded M3, male at one end and female at the other. Size : 7mm dia. x 12mm high.

(B) Turned from hard aluminium alloy hexagon bar

18mm long and threaded M3 at both ends.

Price 20 for £0.75

(C) Nickel plated brass. 1/4" dia. x 3/4" long with 4BA clearance hole.

Price 20 for £1.40

2650. **SMALL HEATSINKS**

TO3, TO5 and other types. Screw on and clip on types including some turned from solid bar with no expense spared.

Super value pack of 6 heatsinks.

Price £1.00

2651. **SPEAKERS**

Miniature flat 50 x 50 x 5mm 8ohm

Price £1.50

2652. **TOGGLE SWITCH**

Miniature Double pole Change over switching with long black toggle lever.

Mounts through a 6mm hole and comes complete with nut and lock washers. In all rather nice.

Price 2 for £1.30

2653. **VERO PINS**

Terminal pins for insertion into printed circuit boards.

(A) Vero pins 1mm **100 for £0.80**

(B) Heavy duty 1/16"

20 for £0.50

2654. **MICROSWITCHES** SP = single pole, CO = Change over, NC / NO = Normally closed / open.

(A) ISX7	Sub miniature button 250V ac 7A Size 5 x 13 x 9mm SPCO <u>Price £0.75</u>	(B) IISMI	Miniature button 250V ac 5A Size 5 x 19 x 8mm SPCO <u>Price £0.75</u>
(C) V3 Lever	250V ac 5A Size 10 x 28 x 19mm SP CO <u>Price £0.75</u>	(D) V3 Button	250V ac 5A Size 10 x 28 x 19mm SP CO <u>Price £0.75</u>
(E) V3 Short Roller	250V ac 5A Size 10 x 28 x 19mm SP CO <u>Price £0.85</u>	(F) V3 Roller	250V 5A Size 10 x 28 x 19mm SP CO <u>Price £0.95</u>

2655. **MICRO SWITCHES**

Fantastic bargains if you buy in bulk.

- (A) V3 style lever operated . Single pole change over contacts.
Rated 250V @ 10 Amps. **Price 8 for £2.70**
- (B) Burgess miniature IISMI style roller. Single pole change over contacts
Price 8 for £2.70
- (C) Burgess miniature IISMI style, bent lever. Single pole normally open contact
rated 250V @ 5 Amps. **Price 8 for £1.90**
- (D) Omron miniature IISMI style, bent lever. Single pole normally closed contact
rated 250V @ 5Amps. **Price 8 for £1.90**
- (E) Bumper pack of various microswitches, V3, IISMI, ISX7 styles, etc., plus
others. Don't miss out of this one. **STAR BUY!** **Price 10 for £2.95**

2656. **PUSH SWITCH**

Push to make. A miniature switch with red button.
Rated at 1A. Mount through 1/4" panel hole.

Price 3 for £1.20

2657. **QUARTZ OSCILLATOR MODULES** A range of crystal oscillators. Outputs are TTL compatible and will drive up to 10 TTL loads at 1.6mA per load. Supply voltage 5V dc. List around £3 each.

1.0000 MHz; 5.0000 MHz; 6.0000 MHz; 8.0000 MHz;
15.0000 MHz; 20.0000 MHz; 40.0000 MHz.

Price reduced £1.45 each

TRY A MIXED PACK. Great for experimenting. A bargain pack of 10 assorted oscillators.

All new stock (my choice of frequencies). May include some of the above.

Price £3.50

2658. **ANTI GLARE FILTERS**

Optical grade acrylic filter 1mm thick. Neutral grey used to front LED displays etc. Makes an excellent finish to any home constructed projects. 70 x 30mm with protective film.

Price 10 for £0.50

2659. **HEAT SHRINK TUBE** Irradiated Polyolefin tubing. This shrinks to less than 50% of its supplied diameter when heated between 150° and 200°C. Supplied in various colours. A very popular line.

- (A) **Extra Small.** Small sizes: 1/8, 3/16, 1/4 up to 1/2" dia. **Price £1.75**
 (B) **Small.** Sizes from 1/4" up to about 1" dia. dia. **Price £1.75**
 (C) **Large.** Sizes up to about 2" dia. **Price £1.75**
 (D) **White.** 2.5mm bore x 5metres. **Price £1.75**

2660. **RELAYS** Contacts: SP = Single pole, DP = Double Pole, CO = Change Over, PCB = Printed circuit board mount.

- (A) **H200 FD 6-2**, PCB
6V dc 100 ohm
SPCO 10 Amp
20 x 16 x 23mm
Price £1.35
- (B) **MR31-9HD**, PCB
9V dc 225ohm
SPCO 10 Amp
21 x 16 x 23mm
Price £1.15
- (C) **MR301-12HS**, PCB
12V dc 400 ohm
SPCO 10 Amp
21 x 16 x 18mm
Price £1.40
- (D) **Siemens V23015**, PCB
12V dc 220 ohm
SPCO 6 Amp
13 x 20 x 30mm
Price £1.20
- (E) **KS1P**
12V dc 350 ohm
SPCO 3 Amp
17 x 14 x 13mm
Price £1.00
- (F) **KL2P-S**
12V dc 250 ohm
DPCO 5 Amp
21 x 17 x 18mm
Price £1.40
- (G) **Omron G2E sub min**, PCB
12V dc 300 ohm
SPCO 2 Amp (List £4.45)
15 x 10 x 11mm
Price £1.40
- (H) **Elesta S6R 762**, PCB
24V dc 1100 ohm
SPCO 8 Amp
28 x 10 x 25mm
Price £1.20
- (J) **12V ac (6V dc) 22 ohm**
2 pole CO 10 Amp
B8A Plug in
Size 35 x 35 x 50mm
Price £1.75
- (K) **12V dc 100 ohm**
3 PCO 10 Amp
B11A Plug in
Size 35 x 35 x 50mm
Price £1.85
- (L) **110V ac**
3PCO 10 Amp
B11A Plug in
35 x 35 x 50mm
Price £1.65
- (M) **MOULDED BASES**
Moulded heat resistant,
Black plastic base with screw
terminals. - List £3.60.
8 pin or 11 pin configuration
Price B8A or B11A £1.85 each

2661. **QUARTZ CRYSTALS** A range of sub-miniature quartz crystals. Pack of 10 assorted frequencies. Between 1MHz and 54MHz. **STAR BUY!** **Price reduced 10 for £1.50**

2662. **MOTOR START RELAY** 24V dc 250 ohm coil. Operate speed 13msec with power on, release speed 2ms. Very high current contacts rated at 30 Amp. Suitable for servo motors or any circuit with such a high current requirement. List price in excess of £8
Price £1.00 each or 4 for £3.60
2663. **DE LUXE WIRE STRIPPER** Specially designed for maintaining the highest efficiency in all wire stripping operations. For flexible and solid core wire from 0.5 to 2mm dia.
Price £6.95
2664. **HEATSINKS**
- | | | | |
|-----|--|-----|--|
| (A) | 30 x 11 x 127mm
Extruded with 6 fins
<u>Price £0.70</u> | (B) | 1.1/2" x 1.3/8" x 1"
For TO3
<u>Price 3 for £1.00</u> |
|-----|--|-----|--|
2665. **RATCHET CRIMPING TOOL** A high quality, professional, heavy duty precision tool with ratchet action suitable for crimping our range of crimp connectors below. Ratchet releases only when the connector has been fully crimped. Overall length 225mm. Highly recommended for the industrial user and the discerning amateur.
Price £18.95
2666. **INSULATED CRIMP TERMINALS** All are insulated except where indicated and are **sold in packs of 25**. The colour of the sleeve determines the size of wire which can be accommodated in mm² and max current. **Red 0.25 - 1.65 (12A), Blue 1.04 - 2.63 (16A), Yellow and Black 2.63 - 6.64 (20A).**
- | | | | |
|-----|--------------------|--|---------------------|
| (A) | 8BA Spades | Red sleeve | <u>£0.75</u> |
| (B) | 6BA Eyelets | Red sleeve | <u>£0.65</u> |
| (C) | 4BA Eyelets | Red, Blue or Yellow sleeve | <u>£0.65</u> |
| (D) | 4BA Spades | Red or Yellow sleeve | <u>£0.85</u> |
| (E) | 2BA Eyelets | Red or Blue sleeve | <u>£0.65</u> |
| (F) | M3 Eyelets | Red, Blue or Yellow sleeve | <u>£0.65</u> |
| (G) | M3 Spades | Red, Blue, or Yellow sleeve | <u>£0.85</u> |
| (H) | M4 Eyelets | Red, Blue, Yellow or Black sleeve | <u>£0.85</u> |
| (J) | M4 Spades | Blue or Yellow sleeve | <u>£0.95</u> |
| (K) | M5 Eyelets | Red, Blue or Yellow sleeve | <u>£0.95</u> |
| (L) | M5 Spades | Red or Blue sleeve | <u>£0.95</u> |
| (M) | M6 (1/4") Eyelets | Red, Blue, Yellow or Black sleeve | <u>£0.95</u> |
| (N) | M6 (1/4") Spades | Yellow sleeve | <u>£0.95</u> |
| (P) | M8 (5/16") Eyelets | Red or Yellow sleeve | <u>£1.25</u> |
| (Q) | M10 or M12 Eyelets | Yellow sleeve | <u>£1.35</u> |
| (R) | 1/8" Receptacles | Shrouded Red or Shrouded Yellow sleeve | <u>£0.80</u> |
| (S) | 3/16" Receptacles | Red or Blue sleeve | <u>£0.90</u> |
| (T) | 3/16" Receptacles | Shrouded Red, Blue or Yellow sleeve | <u>£0.95</u> |
| (V) | Bullets | Red sleeve (12Amp) or Blue sleeve (16 Amp) | <u>£1.10</u> |
| (W) | Bullet receptacles | Blue sleeve | <u>£1.20</u> |

2667. **INSULATED CRIMP WIRE BUTTS** Always very popular these are used for joining two or more wires. Makes a first class insulated joint efficiently and quickly. (D) is a closed wire joint for 2.5mm² cables consisting a thick translucent sleeve over a HD copper ferrule.

- | | |
|--|----------------------------------|
| (A) Red sleeve | <u>Price 25 for £0.95</u> |
| (B) Blue sleeve | <u>Price 25 for £1.05</u> |
| (C) Yellow sleeve | <u>Price 25 for £1.35</u> |
| (D) Thomas & Betts ® Clear, closed joint | <u>Price 25 for £0.85</u> |

2668. **INSULATED CRIMP RECEPTACLES & BLADES** This range of receptacles and blades is the most popular of all the crimps. The colour of the sleeve determines the wire size in mm² (see 2666).

Red - 12 Amp, Blue - 16 Amp, Yellow - 20 Amp. All are sold in packs of 20.

- | | |
|--|---------------------|
| (A) 1/4" Receptacles Red or Blue sleeve | <u>£1.50</u> |
| (B) 1/4" Piggy back receptacles Red or Blue sleeve | <u>£1.65</u> |
| (C) 1/4" Shrouded receptacles Red or Blue sleeve | <u>£1.65</u> |
| (D) 1/4" Receptacles Yellow sleeve | <u>£1.65</u> |
| (E) 1/4" Piggy back receptacles Yellow sleeve | <u>£1.75</u> |
| (F) 1/4" Shrouded receptacles Yellow sleeve | <u>£1.75</u> |
| (G) 1/4" Blades Red or Blue sleeve | <u>£1.50</u> |
| (H) 1/4" Blades Yellow sleeve | <u>£1.50</u> |
| (J) 3/8" Receptacles Yellow sleeve | <u>£2.45</u> |

2669. **PCB BLADES**

- | | |
|---|----------------------------------|
| (A) 1/8" Horizontal mount | <u>Price 25 for £0.60</u> |
| (B) 3/16" Vertical mount | <u>Price 25 for £0.60</u> |
| (C) 1/4" Vertical mount | <u>Price 25 for £0.70</u> |
| (D) 1/4" drilled 6BA or 1/4" drilled 4BA or 4mm | <u>Price 25 for £0.65</u> |
| (E) 1/4" double blades drilled 4BA | <u>Price 25 for £1.35</u> |

2670. **EYELETS HEAVY DUTY** These crimps are for thick cables (D) excluded which is light duty

- | | |
|--|----------------------------------|
| (A) M4 uninsulated | <u>Price 25 for £2.00</u> |
| (B) M5 uninsulated | <u>Price 25 for £2.00</u> |
| (C) M6 uninsulated | <u>Price 25 for £2.00</u> |
| (D) 5/16 uninsulated, small 2.5mm ² | <u>Price 25 for £0.70</u> |

2671. **TERMINAL BLOCKS** PCB mount. Grey / blue / red nylon blocks for mounting directly on PCB's. All are rated at 10Amps with standard 0.2" pitch.

- | | | | |
|-----------|-------|------------|-------|
| (A) 3 way | £0.25 | (D) 12 way | £0.65 |
| (B) 4 way | £0.35 | (E) 13 way | £0.75 |

2672. **FUSE HOLDER** Open type glass filled thermoplastic base which can be secured by screws. For 20mm fuses. In all, rather nice. List price £0.83 each. **Price 5 for £0.80**

2673. **FRONT PANEL FUSE** Holder. Very smart. Looks like a push button switch. Square black bezel with dark red central button release. Inscribed "Fuse" in white lettering. For 1.1/4" fuses. **Price 2 for £0.80 or pack of 5 for £1.50**

2674. **POWER RELAYS**
- (A) **Magnetic Devices** with plastic cover and 1/4" spade terminations. Single hole fixing.
Size: 52 x 36 x 70mm. **50V dc**, 1300 ohm coil
2 pole change over contacts, rated @ 15 Amps.
List price around £12. **Price £2.75**
- (B) **Matsushita FRL - 263.** A miniature Mains powered relay.
240 V ac coil
2 pole change over contacts rated @ 10 Amps.
Size: 28 x 21 x 34mm high. 5mm Blade terminations.
List £7.80 **Price £2.85**
- (C) **Magnetic Devices B8A** plug in with plastic cover.
110V ac coil
2 pole change over contacts rated @ 10 Amps
Size: 35 x 35 x 50mm excluding pins. **Price £1.25**

2675. **FUSE HOLDERS** A range of quality fuse holders at around half list price. BF = Bayonet fit; FR=Finger release. Both (A) and (B) are screw fit and come complete with nuts etc.

(A) **Bulgin FR**
20mm Fuses
Price £0.65

(B) **Buss FR**
1.1/4" fuses
Price £0.65

(C) Fuse Clips
20mm fuses
PCB mount
Price 20 for £0.30

(F) Fuse Clips
1.1/4" fuses
PCB mount
Price 20 for £0.30

2676. **1.1/4" FUSES** Available as follows. Those marked AS are Anti-surge types.

250mA	500mA	1A(AS)	1A	2A
3A	4A	5A	6A	7A
7.5A	8A	10A	12A	15A 20A

<u>20mm FUSES</u>	32mA	250mA(AS)	315mA	500mA	800mA
	1A	1.6A	2A	2.5A(AS)	3.15A
	4A	6.3A	5A	8A	

All the above fuses - any mix you like - Price 5 for £0.60

2677. **MAINS PLUG FUSE** 1" long ceramic body . Available as follows:

1Amp 2Amp 5Amp 7Amp 10Amp 13Amp.

Mains plug fuses any mix you like - Price 5 for £0.85

2678. **PUSH SWITCHES** These are very nice. Black body with octagonal shaped head and bright red button. Complete with nut and washer. Mount: 7/16" dia. panel hole.

(A) Momentary action - Push for ON, release for OFF

(B) Latching action - Push for ON, push for OFF **Price £0.70 each**

2679. **PRINTED CIRCUIT BOARDS** Always popular, these are new manufacturers surplus and contain vast quantities of modern miniature components, Relays, Transformers, IC's etc but no surface mount components. I cannot be too specific as to the number of boards you will get, but I guarantee total satisfaction. Please buy in multiples of £4.
Price £4, £8, £12, etc.
2680. **BRADY CABLE MARKER** PWC-PK-6. A book of 30 peel off self-adhesive strips 1" x 6". One end has matt opaque area upon which identifying marks may be written with a ball point pen. Useful for marking cables, pipes, naming plants, etc. List price £8.27 per book. Still a few left.
My Price £1.80
2681. **BI-STABLE RELAY** Schrack, RP431024. A miniature plastic encapsulated 24V dc, two position Bi-stable relay. **STAR BUY!**
24V dc 450 ohm coils. Patent latch ensures bi-stable operation i.e. each pulse will change the last position of the contacts.
Single pole on/off contacts rated @ 5A.
List £13 plus. Size : 29 x 12 x 25mm. PCB Mount. **My price £1.75**
2682. **12V DC RELAY** Matsushita NC2D-P-DC12V Miniature relay. List Price £3.15.
12V dc 1100 ohm coil.
2 pole changeover rated @ 5A, 240V ac. **STAR BUY!**
Vertical PCB Mount.
Size : 25 x 10 x 27mm high
My Price £1.40 or 4 for £5.00
2683. **6V DC RELAYS** We have hundreds of these. So why not take advantage of a Heavy duty sealed, waterproof relay with PCB mounting pins .

6V dc with 90 ohm coil.
Single pole change over switching with contacts rated at 9 Amps.
Size only 20 x 16 x 23 mm.
Price 4 for £2.00 or 10 for only £3.90
2684. **RUBBER SLEEVING** Soft black rubber sleeving with a bore of 1.0mm and OD of 2.0mm.
Roll length 50 metres. **Price £1.95**
2685. **TELEPHONE ACCESSORIES** A range of Extension leads, Socket adaptors, Modem leads extension kits, all at bargain prices.
- (A) 2 Way telephone socket adaptor. **Price £1.50**
 - (B) 3 Way telephone socket adaptor **Price £2.00**
 - (C) 3 metre extension **Price £1.20**
 - (D) 5 metre extension **Price £1.50**
 - (E) 10 metre extension **Price £2.00**
 - (F) 3 metre modem lead, BT plug to US, RJ11 plug **Price £1.75**
 - (G) 15 metre extension reel with telephone sockets
Suitable for extending telephones, fax machines and modems
Price £8.95

SCREW ABBREVIATIONS

Ae - Aerotight Stiff	Dnp - Dull nickel plate	PH - Pan Head
B - Black finish	DS - Double Spring	RaCS - Raised CS
BH - Button Head hex	FH - Fillister Head	RH - Round Head
Cap - Cap Head hex	FS - Flat Spring	Sets - Grub Screw
Cast - Castellated head	Hex - Hexagon head	Sh - Shakeproof
CH - Cheese Head	hex - Hexagon socket	Sk - Skirted
Chr - Chrome finish	MH - Mushroom Head	SS - Single Spring
Ck - Crinkle	NP - Nickel Plate	T - Thread length
CS - Countersink	Nyloc - Nylon insert	• - Unplated

BRASS SCREWS (Price per 50 except where lesser quantities are indicated)**SIZE 12BA**

1/8 CS NP	£0.50
Washers	£0.25

SIZE 10BA

1/8 CH, 3/16 CH	£1.15
5/16 CH	£1.75
Large washers	£0.25
Full Nuts	£1.55

SIZE 8 BA

1/8 CH, RH, 3/32 CH	£0.60
3/16 CH, CS NP	£0.60
1/4 CH, CS, RH NP	£0.85
7/16 CS, 1/2 CH NP	£0.85
5/8 CH NP	£0.95
7/8 RH DNP	£0.95
Washers	£0.25
Terminal Nuts	£0.70
Lock Nuts	£0.85
Full Nuts	£1.20

SIZE 7BA

3/16 CH NP	£1.00
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SIZE 6BA

1/8 CS	£0.60
3/16 RH, 1/4 CH, RH	£0.70
1/4 Hex NP	£0.95
5/16 CS, CS NP, Hex	£0.75
3/8 CH, CS, CS NP, RH	£0.80
3/8 Ra CS NP	£0.90
1/2 CH, CH NP, RH NP	£0.80
1/2 MH Chr	£1.65
5/8 CH NP, CS	£1.25
3/4 CH, RaCS	£1.10
1 CH	£1.75
1.1/8 CS, CH	£1.90

SIZE 6BA

1.1/4 CH NP	£1.90
1.1/2 CS (25)	£1.20
2 CS, RH (25)	£2.55
Ck Washers	£0.50
Small Washers	£0.25
Large Washers	£0.35
Full Nuts and NP	£0.95
Lock Nuts	£0.35
Bang Nuts	£0.75

SIZE 5BA

3.3/8 Studs (25)	£2.20
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SIZE 4BA

3/16 CH, RH	£0.70
1/4 CH, CS, RH NP	£0.75
5/16 CH, CS, RH NP	£0.70
3/8 CH, CS, RH NP	£0.80
3/8 RaCS	£0.90
1/2 CH, RH, CS	£0.80
1/2 Hex	£1.25
1/2 RaCS	£0.90
5/8 CH, CS, RH	£1.05
5/8 Hex, RaCS NP	£1.45
3/4 CH	£1.10
3/4 PH T1/4, RaCS NP	£1.55
7/8 MH T3/8 NP	£1.55
7/8 CH NP, CS NP	£1.20
1 CH NP	£1.85
1.1/4 CH, CS	£1.85
1.3/8 CH, RH (25)	£2.05
1.5/8 CH, 1.3/4 RH (25)	£2.45
2 CH, CS, RH (25)	£2.50
Washers	£0.25
Full Nuts	£0.90
Lock Nuts	£0.45
Bang Nuts	£0.70

SIZE 3BA

Full Nuts NP	£1.20
Large Full Nuts	£1.65

SIZE 2BA

3/16 Sets, CH	£0.95
1/4 CH, 5/16 CH	£1.25
3/8 CH, CH NP, CS	£1.55
3/8 Hex NP	£1.85
3/8 Sets	£1.20
7/16 CH, CS NP	£1.85
1/2 CS, RH	£1.95
1/2 MH Chr (25)	£1.15
1/2 Hex (25)	£1.35
5/8 CH, RH (25)	£1.70
3/4 CH, RH (25)	£1.80
3/4 Hex (25)	£1.95
7/8 RH (25)	£1.85
1 CH NP, CS NP (25)	£2.25
1 RH NP, Hex NP (25)	£2.25
1.1/8 Hex NP(25)	£2.45
1.1/4 CH, CS (25)	£1.95
1.1/2 CH, CS (25)	£2.25
2 CS, 2.1/2 PH (25)	£2.65
Small Washers	£0.40
Large Washers	£0.60
Bang Nuts	£1.60
Full Nuts, and DNP	£1.75
Lock Nuts NP	£1.50
Nyloc Nuts	£1.95

SIZE OBA (All per 25)

5/16 CH, 3/8 CH, RH	£1.95
3/8 Hex NP	£2.05
1/2 CH, RH	£2.45
5/8 CH, RH, CS	£2.65
3/4 CH, RH	£2.80
3/4 Hex	£2.95

BRASS SCREWS (Price per 50 pieces except where lesser quantities are indicated)

<u>SIZE OBA</u> (All per 25)		<u>SIZE M4</u>		<u>SIZE 6-32 UNC</u>	
7/8 CH	£2.80	25 Hex, 30 Hex	£1.95	Full Nuts	£0.80
1 CH	£2.90	Washers	£0.40		
1 Hex, Hex NP	£3.25	Full Nuts and NP	£0.95	<u>SIZE 4-48 UNF</u>	
1.1/4 CH	£3.10			Full Nuts	£0.80
1.1/2 RH, CS	£3.20	<u>SIZE M5</u>		<u>SIZE 6-40 UNF</u>	
2 CH, Hex	£4.55	25 Hex (25)	£2.70	Full Nuts	£0.80
Washers (50)	£0.70	30 Hex (25)	£2.95		
Large washers NP	£0.55	Washers	£0.45	<u>SIZE 10-32 UNF</u>	
		Full Nuts	£1.70	5/16 PH NP, 7/8 PH NP	£1.65
<u>SIZE M1</u>				Full Nuts	£1.50
2 CS, 3 CH	£0.70	<u>SIZE M6</u>			
		10 Hex , 12 Hex (25)	£2.50	<u>SIZE 1/4 UNF</u>	
<u>SIZE M2</u>		20 Hex (25)	£2.85	3/4 PH (25)	£2.40
6 CH, 6CS	£0.50	25 Hex (25)	£2.95	1/4 Washers (25)	£0.70
10 PH NP, 12PH	£0.70	30 Hex (25)	£3.40	Lock nuts NP (25)	£1.60
16 CS NP, RH NP	£0.80	Washers	£0.70		
Large Washers	£0.25	Full Nuts (25)	£0.95	<u>SIZE 5/16 UNF</u>	
Bang Nuts	£0.80			3/4 Hex (25)	£3.25
		<u>SIZE M8</u> (All per 25)		Full nuts NP (25)	£1.95
<u>SIZE M2.5</u>		Washers	£1.45		
8 PH	£0.65	Full Nuts	£2.65	<u>SIZE 3/8 UNF</u>	
Washers NP	£0.20			1.3/4 Hex NP (10)	£4.25
Full Nuts NP	£0.65	<u>SIZE M10</u> (All per 25)		<u>SIZE 1/2 UNF</u>	
		Large washers	£1.65	Full Nuts (10)	£2.75
<u>SIZE M3</u>		Castellated Nuts	£2.95		
5 CH, 6 CS	£0.60			<u>SIZE 3/8 BSF</u>	
8 PH, 10CS	£0.80	<u>SIZE M12</u>		Full nuts and NP (10)	£1.85
90 Studs (25)	£1.65	Lock Nuts (25)	£3.30		
Washers	£0.20			<u>SIZE 3/8 BSW</u>	
Full Nuts, Full Nuts NP	£0.65	<u>SIZE 4-40 UNC</u>		1/2 Hex (10)	£2.35
		Full Nuts	£0.40	Large Washers (10)	£0.85
<u>SIZE M3.5</u>					
Full Nuts	£1.20	<u>SIZE 6-32 UNC</u>		<u>SIZE 1/2 BSW</u>	
		1/2 PH	£0.95	Full Nuts (10)	£3.55
<u>SIZE M4</u>					
8 PH	£0.80				

ODDMENTS IN OTHER MATERIALS (Price per 50 except where lesser quantities are indicated)

<u>SIZE 6BA</u>		<u>SIZE 1/4 BSF</u>	
3/8 CH Nylon	£1.25	1.1/2 CH Nylon (25)	£1.95
<u>SIZE 4BA</u>		<u>SIZE M8</u>	
Full Nuts, Nylon	£1.20	10 Hex Nylon (25)	£1.75
Ae Nuts, Light Alloy (25)	£0.95	Full Nuts, Nylon (25)	£1.50
Nyloc Nuts Light Alloy (25)	£0.95	Dome nuts, Nylon (25)	£1.75
		50 Hex T22, Titanium (1)	£2.25

STAINLESS STEEL FASTENINGS A2 - 18/8 NON MAGNETIC (Price per 10)**SIZE 10BA**

3/16 CS	£0.60
1/4 CH	£0.85
Full Nuts	£0.60

SIZE 8BA

1/8 CS	£0.40
1/4 CS	£0.55
3/8 CH, 7/16 RH	£0.60
1/2 CS	£0.65
Full Nuts	£1.10

SIZE 6BA

1/8 CH, CS, RH	£0.50
1/4 CS	£0.50
5/16 CH, RH	£0.50
3/8 CH, 7/16 CH	£0.50
5/8 CS	£0.60
3/4 CS	£0.60
7/8 CH, RH	£0.75
1 CS	£1.10
1.3/8 CS, 1.1/2 CH	£1.20
Washers	£0.20
SS Washers	£0.20
Full Nuts	£0.75

SIZE 4BA

1/8 CH	£0.50
3/16 CH, CS	£0.50
3/8 Sets hex	£1.05
3/8 CH, CS	£0.75
7/16 CH, CS,	£0.75
1/2 CS, RaCS	£0.75
1/2 CS hex	£1.45
5/8 CS, RH	£0.75
3/4 CH	£0.80
7/8 CS	£0.80
1 CS, RH	£1.20
1.1/4 RaCS	£1.30
1.3/8 RH	£1.30
Washers, SS Washers	£0.20
Lock Nuts	£0.65
Full Nuts	£0.75

SIZE 2BA

3/16 CS	£0.95
5/16 CS, Sets hex	£1.15
3/8 CH	£0.80
3/8 Ra CS	£1.20
1/2 Hex sets	£1.45

SIZE 2BA

1/2 CH, RH	£1.20
3/4 CS, 7/8 CS	£1.25
7/8 PH pozi	£1.30
1 RH, 1.1/4 CS	£1.45
1.1/4 Hex	£1.50
1.1/2 Hex slotted head	£1.60
Small washers	£0.25
Large Washers	£0.55
Full Nuts	£0.75
Ae Nuts	£1.25

SIZE OBA

3/4 CS	£1.85
1.1/4 CS	£1.85
Lock nuts	£0.95

SIZE M1

2 CH, 3 CS	£0.75
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SIZE M1.6

6CH	£0.75
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SIZE M2

4 CS	£0.50
5 CH, PH	£0.60

SIZE M2.5

12 CS	£0.75
Washers	£0.20
Ck Washers	£0.20
Full Nuts	£0.45

SIZE M3

4 BH, CS hex	£1.15
8 CS	£0.80
12 Cap	£1.20
16 Cap	£1.20
Washers	£0.20
Sh Washers	£0.20
Ck Washers	£0.20
Full Nuts	£0.40
Nyloc Nuts	£0.60
Dome Nuts	£0.80

SIZE M4

6 CH, PH	£0.85
10 CS, 12CS	£0.85
12 CS hex, 16 CS hex	£1.80
16 Sets hex, BH	£1.35

SIZE M4

16 Cap	£1.20
20 Cap	£1.30
Washers	£0.25
Sh Washers	£0.25
Ck Washers	£0.25
Full Nuts	£0.40
Rivet Bushes	£0.80

SIZE M5

16 Cap	£1.95
16 CS, 20CS	£2.25
20 Cap	£2.15
100 Cap T30	£2.95
Washers	£0.25
FS Washers	£0.25
Sh Washers	£0.25
Ck Washers	£0.20
Full Nuts	£0.65

SIZE M6

8, 12, 16 Sets hex	£1.40
10 CS hex	£1.85
16 Cap, 20 Cap	£1.85
16 CS hex	£2.30
16 Hex	£1.30
20 Cap, 25 Cap	£1.90
20 Sets hex	£1.85
25 PH	£1.75
30 Cap	£2.15
100 CS T30	£3.95
220 CST30	£4.95
Washers	£0.25
FS & CK Washers	£0.40
Full Nuts	£0.85

SIZE M8

10, 12, 16 Sets hex	£1.95
16 CS hex	£2.85
20 Cap	£2.20
25 Cap, 30 Cap	£2.35
35 Hex T20	£2.50
45 Hex T20, 50 CS hex	£3.10
75 CS T30	£3.40
130 CS T30	£4.90
Washers	£0.40
FS, SS & Sh Washers	£0.45
Half Nuts	£0.95
Full Nuts	£1.40
Ae Nuts	£1.95

STAINLESS STEEL FASTENINGS A2 - 18/8 NON MAGNETIC (Price per 10)**SIZE M10**

16 Hex	£4.05
25 Cap, 30 Cap	£4.60
40 Cap	£5.95
130 Hex T30	£7.50
Washers	£0.65
Large washers	£0.85
Lock Nuts	£2.40
Full Nuts	£3.85

SIZE M12

30 Hex, 35 Hex	£4.85
30 Cap, 35 Cap	£4.95
FS & SS Washers	£0.80
Full Nuts	£4.55
Half Nuts	£2.65

SIZE 4-40 UNC

1/4 CS	£0.50
5/16 Sets hex	£1.05
3/8 FH	£0.50
1/2 Cap	£1.20
1/2 PH, 5/8 PH	£0.75
1.1/2 Cap	£1.40
Full Nuts	£0.40
Nyloc Nuts	£0.65

SIZE 6-32 UNC

3/16, 1/4, 1/2 Sets hex	£0.95
5/16 PH, 3/8 PH	£0.65
7/16 Cap	£1.25
1/2 PH, 1CS	£0.85
Full Nuts	£0.75
Clinch Nuts	£0.75

SIZE 8-32 UNC

5/16 CS	£0.75
7/8 Cap	£1.55

SIZE 1/4 UNC

5/8PH	£1.65
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SIZE 5/16 UNC

1.1/4 Hex	£2.95
Full Nuts	£1.95
Nyloc Nuts, Ae Nuts	£2.45

SIZE 3/8 UNC

3/4 Hex	£3.95
1 Hex	£4.55
Full Nuts	£2.45

SIZE 7/16 UNC

2.1/2 Hex T 1.1/8	£5.55
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SIZE 1/2 UNC

5/8 Sets hex	£3.95
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SIZE 10-32 UNF

3/8 Cap, 5/8 Cap	£1.45
3/4 PH	£1.10
Full Nuts	£0.90

SIZE 1/4 UNF

1.1/4 CS	£1.90
1.1/4 Hex T 5/8	£1.80

SIZE 5/16 UNF

3/4 Hex	£1.60
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SIZE 1/4 BSW

1/2 Cap	£1.65
5/8 Hex, RH	£1.55
3/4 Cap	£1.65
7/8 CS Pozi or slotted	£1.15
1 Hex	£1.40

SIZE 1/4 BSW

1.5/8 Cap	£2.70
FS Washers	£0.45
2 Hex	£2.35
2.1/2 Cap T1	£2.95

SIZE 5/16 BSW

1.1/2 Hex	£3.45
3 Hex	£5.55
Washers, Sh washers	£0.50
FS Washers	£0.65
Full Nuts	£2.15

SIZE 3/8 BSW

3/4 Hex	£2.40
1 Hex, 1.1/2 Hex	£3.95
Washers 15/16 x 1/8	£1.85
Full Nuts	£2.65

SIZE 7/16 BSW

Full Nuts	£3.85
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SIZE 1/2 BSW

2 Hex T1	£5.95
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SIZE 1/4 BSF

5/8 Hex	£1.65
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CIRCLIPS

5/16 Ext. and 12mm Int.	£0.45
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SELF TAPPING SCREWS

No.2 x 1/4 PH B	£0.20
No.4 x 3/8 PH AB	£0.40
No.6 x 1/2 PH B	£0.40
No.6 x 1/2 RaCS AB	£0.50
No.8 x 3/4 PH AB	£0.60
No.10 x 1/2 RaCS AB	£0.60

For more **STAINLESS CAP SCREWS** and **STAINLESS WOOD SCREWS** see page 26.

STEEL FASTENINGS (Price per 50 except where indicated)

<u>SIZE 10BA</u>		<u>SIZE 5BA</u>		<u>SIZE 2BA</u>	
3/16 CH	£0.70	3/8 CH	£1.45	1.1/2 CS (25)	£1.75
<u>SIZE 8BA</u>		<u>SIZE 4BA</u>		1.5/8 CH (25)	£1.95
1/8 CH, CS, RH	£0.55	1/8 CH, 3/16 CH, CS	£0.55	1.3/4 CS, RH (25)	£1.75
3/16 CH, CS, RH	£0.55	1/4 CH, CS, RH	£0.65	2 RH (25)	£2.35
1/4 CH, CS, RH	£0.60	1/4 Hex, 5/16 Hex	£1.15	2.1/8 CS, 2.1/2 CH (25)	£2.55
5/16 CH, CS	£0.60	5/16 CH, CS, RH	£0.85	Small Washers	£0.40
3/8 CH	£0.75	3/8 CS, RH	£0.75	Large Washers	£0.45
7/16 CH	£0.75	3/8 RaCS Chr	£1.15	Full Nuts, Full Nuts ●	£0.70
1/2 CH, RH	£0.85	7/16 CS	£0.85	Lock Nuts	£0.65
5/8 CH, CS, RH	£0.85	1/2 CH, RH	£0.95	Hank Nuts & Ae Nuts	£1.95
3/4 CH, RH	£0.85	1/2 Ra CS	£1.15	<u>SIZE OBA</u>	
7/8 CH, CS	£0.95	5/8 CS, RH Chr	£1.05	3/8 CH, CS (25)	£1.35
1 CS	£1.20	3/4 CH, CS, RH	£1.25	1/2 PH Chr (25)	£1.95
Washers	£0.20	7/8 CH, CS	£1.25	5/8 CH, Hex (25)	£1.65
SS & Sh Washers	£0.20	1 CS, RH. 1.1/8 CH	£1.25	5/8 MH NP (25)	£1.95
Lock Nuts	£0.55	1.1/4 CH, CS	£1.40	3/4 CH, CS (25)	£1.85
Full Nuts & Full Nuts ●	£0.55	1.1/2 CH,CS	£1.55	1 CS (25)	£1.95
Press Nuts	£0.45	1.1/2 RaCS Chr	£1.85	1.1/4 CH, RH (25)	£2.40
<u>SIZE 7BA</u>		1.3/4 CH, CS, RH	£1.95	1.1/2 CS, RH, Hex (25)	£2.75
1.1/8 CH	£2.35	2 CH, CS	£2.25	2 CH, CS, Hex (25)	£2.95
<u>SIZE 6BA</u>		Small Washers	£0.25	3.1/4 Hex (10)	£2.15
1/8 CS	£0.50	Large Washers	£0.35	Small Washers	£0.45
3/16 CH, CS	£0.50	SS & Sh Washers	£0.25	Large Washers	£0.70
3/16 Hex	£1.05	Full Nuts	£0.55	Captive Nuts (25)	£1.80
1/4 CH, CS	£0.60	Lock Nuts	£0.50	Nyloc Nuts (25)	£1.85
5/16 Hex	£1.05	Hank Nuts	£0.95	Half Nuts (25)	£1.30
5/16 CH, CS, Ra CS Bk	£0.75	Nyloc Nuts	£1.55	Hank Nuts (25)	£1.65
3/8 CH, CS, RH	£0.75	Ae Nuts	£1.75	<u>SIZE 1/4 BSW</u>	
7/16 CH, CS	£0.75	<u>SIZE 3BA</u>		3/8 Hex (25)	£1.35
1/2 CH, CS, PH NP	£0.75	1/2 Hex	£2.35	1.1/4 Hex T 1/2 (25)	£2.50
1/2 RaCS Chr	£1.05	Full Nuts	£0.65	Small Washers	£0.40
5/8 CH, CS, RH, RH Chr	£1.00	<u>SIZE 2BA</u>		Large Washers	£0.70
3/4 CH, CS	£1.00	1/4 CH	£1.05	5/8 Cap (10)	£1.10
3/4 RaCS Chr	£1.15	1/4 Hex, Hex ●	£1.45	3/4 PH (25)	£1.85
7/8 CH, CS	£1.25	5/16 CH, CS	£1.20	1.1/2 Hex (25)	£2.10
1 CH, CS	£1.25	3/8 CH, CS, RH	£1.20	FS Washers	£0.70
1.1/8 CH, CS, RH●	£1.25	3/8 Hex, Hex ●	£1.75	Full Nuts (25)	£1.15
1.1/4 CH, CS	£1.40	1/2 CH, CS Chr, RH	£1.65	Nyloc Nuts (25)	£1.85
1.3/8 CH, CS	£1.40	5/8 CS, RH	£1.95	<u>SIZE 5/16 BSW</u>	
1.1/2 CH, CS	£1.40	3/4 CH, CS, RH (25)	£1.45	3/4 Cap (10)	£1.65
SS, Sh & Ck Washers	£0.25	7/8 CS, 1 CS, RH (25)	£1.45	1.1/2 Hex (25)	£3.25
Small Washers	£0.25	1 PH Chr, 1.1/8 CS (25)	£1.65	Washers	£0.65
Large Washers	£0.30	1.1/4 CH, CS (25)	£2.20	FS Washers	£0.75
Full Nuts	£0.65	1.1/4 Hex (25)	£2.45	Full Nuts (25)	£1.65
Lock Nuts	£0.60	1.3/8 CH, CS (25)	£2.40	Skirted tight Nuts (25)	£1.25
Hank & Press Nuts	£0.85	1.1/2 Hex (25)	£2.25	Ae Nuts (25)	£2.15

STEEL FASTENINGS (Price per 50 except where marked)**SIZE 3/8 BSW**

3/4 Hex (25)	£2.95
Washers (25)	£0.80
Full Nuts (25)	£1.95

SIZE 7/16 BSW

Washers	£0.70
SS Washers (25)	£0.75
1 Cap (10)	£2.35

1/2 BSW

1.1/2 Cap (10)	£3.35
2 Cap (10)	£3.55
SS Washers (25)	£0.95

SIZE M2

5 CH, PH, 8 CH	£0.60
6 CS Chr, PH Chr	£0.65
Washers, Ck Washers	£0.20
Full Nuts	£0.40

SIZE M2.5

6 CS, PH, 8 PH	£0.60
10 CH, PH	£0.65
12 PH, 16 CH	£0.70
20 PH	£1.20
Washers	£0.20
Ck & SS Washers	£0.20
Full Nuts, Full Nuts●	£0.65

SIZE M3

5 PH, 6CH, PH	£0.60
8 CH, CS, PH	£0.65
10 CH, CS, CH●	£0.65
12 CS, PH, CH●	£0.75
16 CH, CS, PH, PH●	£0.80
18 CH, 20 RaCS	£0.80
25 CH, 30 PH	£1.10
35 CH, CH●	£1.25
Large Washers	£0.30
Ck & SS Washers	£0.25
Full Nuts	£0.55
Hank Nuts	£0.90
Ae Nuts & Nyloc Nuts	£1.30

SIZE M3.5

10 PH●, 12 PH,	£0.85
12 RaCS	£0.85

SIZE M4

6 CH, PH Chr	£0.75
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SIZE M4

8 CH, CS, PH	£0.75
10 PH, PH●	£0.70
12 CH, PH Chr	£0.80
16 PH, 16PH●, 20 CH	£0.85
20 Hex	£1.45
25 CH, PH	£1.35
35 PH	£1.55
Washers	£0.25
Ck, Sh & SS Washers	£0.35
Captive Nuts	£0.85
Full Nuts	£0.65
Ae & Nyloc Nuts	£1.65

SIZE M5

8 Hex B	£1.30
10 CH, CS, 12 Hex	£1.60
16 CH, CS (25)	£1.05
30 CS (25)	£1.45
Small Washers	£0.40
Large Washers	£0.45
Ck, Sh & SS Washers	£0.40
FS Washers	£0.45
Full Nuts & Full Nuts●	£1.15
Nyloc Nuts	£1.85

SIZE M6

10 Hex Sets (25)	£1.15
12 PH, 16 Hex (25)	£1.25
16 Hex B (25)	£1.20
25 Hex NP (25)	£1.75
30 Hex (25)	£1.60
Small Washers	£0.40
Large Washers	£0.65
Ck & Sh Washers	£0.45
Full Nuts (25)	£1.15
Ae Nuts, Hank Nuts (25)	£1.45

SIZE M8

12 Cap (10)	£1.20
25 Hex (25)	£1.65
30 Cap, 35 Cap (10)	£1.80
40 Cap, BH (10)	£1.95
50 Cap (10)	£2.05
Washers	£0.55
Sh Washers	£0.65
FS Washers	£0.85
Full Nuts (25)	£1.75
Dome Nuts (25)	£1.85
Hank Nuts, Sk Nuts (25)	£1.70

SIZE M10

40 Hex (25)	£4.35
45 Cap Low head (10)	£2.45
SS Washers	£0.95
Full Nuts (25)	£1.95

SIZE M12

25 Hex dull zinc (10)	£2.25
45 Hex (10)	£2.95
50 BH (10)	£3.05
SS Washers (25)	£0.85
Full Nuts (25)	£2.20

SIZE 4-40 UNC

5/16 CS	£0.75
Full Nuts	£0.60
Ae Nuts, Nyloc Nuts	£1.20

SIZE 6-32 UNC

Full Nuts	£0.60
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SIZE 6-32 UNC

Clinch Nuts	£0.90
Nyloc Nuts	£1.25
Dome Nuts	£1.20

SIZE 8-32UNC

Full Nuts	£0.65
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SIZE 10-24 UNC

Nyloc Nuts	£1.40
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SIZE 1/4 UNC

7/8 Cap (10)	£1.95
2 Hex T3/4 (25)	£1.65
Full Nuts (25)	£1.15

SIZE 5/16 UNC

1 Cap (10)	£2.25
1.1/4 Cap (10)	£2.25

SIZE 3/8 UNC

1.1/4 BH (10)	£2.60
Sk Nuts (10)	£1.35

SIZE 7/16 UNC

Full Nuts (10)	£1.75
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SIZE 4-48 UNF

Full Nuts	£0.55
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STEEL FASTENINGS (Price per 50 except where lesser quantities are indicated)SIZE 10-32 UNF

Full Nuts £0.60

SIZE 1/4 UNF

5/8 Cap (10) £1.40

3/4 Cap (10) £1.50

3/4 Hex (25) £1.65

1.1/2 Cap (10) £1.95

Full Nuts (25) £1.15

SIZE 5/16 UNF

1 Cap (10) £2.15

1.3/4 Cap (10) £2.45

SIZE 5/16 UNF

4 Hex T1 (10) £4.00

Castellated Nuts (25) £1.40

Full Nuts, also • (25) £1.50

Nyloc Nuts (25) £2.15

Ae Nuts (25) £2.15

SIZE 3/8 UNF

3/4 Hex (10) £2.65

Full Nuts (10) £2.45

SIZE 3/4 UNF

Full Nuts (10) £3.95

SIZE 1/4 BSF

Full Nuts (25) £1.15

Nyloc Nuts (25) £1.85

SIZE 5/16 BSF

1/2 Cap (10) £1.40

1 Cap (10) £1.65

1.1/4 Cap (10) £1.95

2.1/2 Cap (10) £1.85

Lock Nuts (25) £1.35

Full Nuts (25) £1.55

HEXAGON SOCKET SCREWS All Hexagon socket screws are priced per 10 pieces

	Cap			CS			Sets (grub screw)		
HEX WRENCH SIZES (AF)	6BA	4BA	2BA	M3	M4	M5	M6	M8	M10
Cap screws	5/64"	5/32"	5/32"	2.5m m	3mm	4mm	5mm	6mm	8mm
Set screws	.050"	1/16"	3/32"	1.5m m	2mm	2.5m m	3mm	4mm	5mm
CS screws	.050"	1/16"	3/32"	2mm	2.5mm	3mm	4mm	5mm	6mm

SIZE 6BA

3/16 Sets £1.20
 1/4 Sets £1.05
 1/2 Sets £1.40

5/16 Cap £1.60
 1/2 Cap £1.75
 5/8 Cap £1.75
 3/4 Cap £2.15
 1.1/4 Cap £2.30

1/4 CS £1.80
 7/8 CS £2.05
 1 CS £2.85

SIZE 4BA

1/8 Sets £0.95
 3/16 Sets £0.95
 1/4 Sets £0.95
 3/8 Sets £1.05
 1/2 Sets £1.30

SIZE 4BA

1/2 Cap £1.40
 5/8 Cap £1.70
 3/4 & 1 Cap £1.80

3/8 CS £1.90
 3/4 CS £2.85

SIZE 2BA

3/16 Sets £0.75
 1/2 Sets £1.20
 3/8 Cap £2.85
 1/2 Cap £1.25
 3/4 Cap £1.40
 1 Cap £1.50
 1.1/2 Cap £2.20

1.1/4 CS £2.25

SIZE M3

4mm Sets £0.95

SIZE M3

6mm Sets £0.95
 8mm Sets £1.05
 10mm Sets £1.05

4mm Cap £1.05
 6mm Cap £1.05
 8mm Cap £1.05
 16mm Cap £1.15

8mm CS £1.20
 10mm CS £1.20
 16mm CS £1.95

SIZE M4

8mm Sets £1.05
 10mm Cap £1.05
 12mm Cap £1.05
 16mm Cap £1.10
 20mm Cap £1.35
 8mm CS £1.55

SIZE M5

6mm	Sets	£0.95
10mm	Sets	£1.05
10mm	BH	£1.75
12mm	Cap	£1.05
20mm	Cap	£1.20
25mm	Cap	£1.20
35mm	Cap	£1.50
40mm	Cap	£1.50

20mm	CS	£2.05
25mm	CS	£2.20

SIZE M6

8mm	Sets	£1.05
10mm	Sets	£1.15
16mm	Cap	£1.10

SIZE M6

20mm	Cap	£1.10
25mm	Cap	£1.25
40mm	Cap	£1.85
45mm	Cap	£1.85
50mm	Cap	£1.95
70mm	Cap	£2.50
80mm	Cap	£2.75

SIZE M8

16mm	CS	£2.05
25mm	Sets	£1.85
12mm	Cap	£1.85
25mm	Cap	£1.95
30mm	Cap	£2.25
35mm	Cap	£2.25
40mm	Cap	£2.45
50mm	Cap	£3.15

SIZE M8

40mm	BH	£3.65
50mm	CS	£3.55

SIZE M10

55mm	Cap	£3.95
80mm	Cap	£4.75
100mm T30	Cap	£4.95
25mm	CS	£4.75

SIZE M12

50mm	BH	£5.75
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2700. **CARBIDE BURRS**

These are good quality Tungsten carbide burrs, all with 1/8" shanks. An assorted pack of types and sizes. Some are new, others used. All are in good condition.

My Price 5 for £2.80

2701. **STEEL BURRS**

Steel Burrs by Meissinger. A value pack of quality, round nose steel burrs. 1.3/4" long and 3/32" diameter.

Price 6 for £1.75

2702. **RECORDABLE CD's**

A 25 pack cake tin of quality CDR's, manufactured by Intenso. These are white backed CD's and are ideal for printing on or writing on with a suitable felt tip pen.

They are 80 minute discs and can be written at up to 40X speed.

My Price 25 for £6.95