

Live Steam Models Ltd.
incorporating
Model Engineers Supplies.

**Unit 7, Old Hall Mill Business Park,
Little Eaton,
Derby.
DE21 5EJ.**

Tell: 01332 830811

Fax: 01332 830050

E.Mail: info@livesteammodels.co.uk

Internet: www.livesteammodels.co.uk

This is a stock/price list of ferrous & non ferrous materials, fixings & boiler fittings for all kinds of model engineering needs.
Over 90% of the items listed are ex stock.

OPENING HOURS

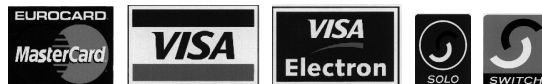
Monday	9.00 a.m. to 5.00 p.m.
Tuesday	9.00 a.m. to 5.00 p.m.
Wednesday	9.00 a.m. to 5.00 p.m.
Thursday	9.00 a.m. to 5.00 p.m.
Friday	9.00 a.m. to 12 noon.
Saturday	By appointment

Closed for Lunch - 1.00 till 2.00 each day

Counter sales and mail order catalogue.

Terms of Business.

1. Remittance with order please. Cheques and postal orders made payable to Live Steam Models Ltd. We accept payment by Master card, Visa or Switch for Fax / mail orders and Email / telephone orders and for personal callers.
2. Postage and packing is extra on all orders.
Please allow sufficient, any surplus will be returned or credited as desired.
3. All U.K. orders, and orders from EC member countries are subject to V.A.T. (value added tax) at the current rate of 17.5%. This also applies to postage, except for books and magazines which are zero rated. Overseas orders from non-EC member countries are zero rated for V A T.
4. Whilst every effort is made to maintain prices and specifications, we reserve the right to make changes in availability, prices and specifications without notice.
We reserve the right to invoice goods at the prices ruling at the date of despatch.
5. Return or exchange of goods must be accompanied by proof of purchase, and in an unused and undamaged state. Goods ordered incorrectly may be exchanged subject to a 15% charge to cover administration. Goods must be returned by the Buyer at the Buyer's expense and should be adequately insured during the return journey.
6. Whilst every care has been taken to describe our goods correctly. Any errors are unintentional and will be amended if you advise us accordingly.
7. Sheet material can be cut to size if we are given prior notice.
8. With all materials if the price is less than £1.00 per multiple, then not less than 2 multiples supplied.
9. Cutting charges will apply on small orders or multiple quantities of the same item.
9. RA = Recent Addition to range
WSL = While Stocks Last, please check availability
CA = please Check Availability, some sizes are becoming very difficult to obtain
10. Enquiries for items not listed in the catalogue are welcome.
11. Claims for non-delivery must be made within 7 days of invoice date.
Claims for shortages and/or damage must be made **in writing** within **3 days** of delivery.
Check carefully parcels for damage **BEFORE** signing for them.
12. Where a claim of defect or damage is made the Goods shall be returned by the Buyer to the Seller. The Buyer shall be entitled to a full refund (including delivery costs) plus any return postal charges if the Goods are in fact defective.
13. Parts supplied that are not in our normal stock range, or manufactured to order cannot be returned for exchange or refund
14. Credit notes on returned goods are valid for a period of 12 months only. After this period the amount will be written off. Please note that credits cannot be raised for goods after 60 days from invoice date.



Copper.

Tube: All O/D. Price per metre unless stated.

<u>Code</u>			<u>Code</u>		
03/010	1/16" x 28g	£ 1.61	03/036	1 1/4" x 10g	£ 41.39
03/011	3/32" x 24g	£ 2.59	03/037	1 1/4" x 16g	£ 21.78
03/012	1/8" x 22g	£ 2.66	03/038	1 3/8" x 16g	£ 25.41
03/070	5/32" x 20g	£ 3.10	03/039	1 1/2" x 16g	£ 27.96
03/013	5/32" x 22g	£ 2.77	03/040	1 1/2" x 10g	£ 52.28
03/014	3/16" x 22g	£ 2.75	03/041	1 3/4" x 16g	£ 29.04
03/015	3/16" x 16g	£ 4.18	03/042	1 3/4" x 10g	£ 65.34
03/016	1/4" x 20g	£ 4.31	03/043	2" x 16g	£ 29.85
03/017	1/4" x 16g	£ 6.65	03/044	2" x 10g	£ 82.77
03/018	5/16" x 20g	£ 4.85	03/045	2 1/4" x 16g	£ 46.83
03/019	5/16" x 16g	£ 7.83	03/046	2 1/2" x 16g	£ 47.95
03/020	3/8" x 20g	£ 5.60	03/047		
03/021	3/8" x 16g	£ 7.01	03/048	3" x 16g	£ 56.27
03/022	7/16" x 20g	£ 8.22	03/049		
03/023	7/16" x 16g	£ 9.10	03/050	3 1/4" x 16g	£ 79.00
03/024	1/2" x 18g	£ 9.15	03/051	3 1/2" x 16g	£ 84.70
03/025	1/2" x 16g	£ 9.81	03/052	3 3/4" x 13g	£ 76.78
03/026	9/16" x 20g	£ 7.09	03/053	4" x 16g	£ 69.70
03/027	5/8" x 20g	£ 8.72	03/054	4" x 10g	£ 99.00
03/028	5/8" x 18g	£ 7.99	03/071	4 1/2 x 13g	£ POA
03/029	5/8" x 16g	£ 10.89	03/056	4 3/4" x 10g	£ POA
03/030	3/4" x 18g	£ 11.37	03/057	5" x 10g	£ POA
03/031	3/4" x 16g	£ 13.99	03/062	5" x 13g	£ POA WSL
03/063	3/4" x 12g	£ 15.38	03/058	5 1/4" x 10g	£ POA
03/032	7/8" x 16g	£ 18.90	03/059	5 1/2" x 10g	£ POA
03/033	1" x 18g	£ 16.34	03/060	6" x 10g	£ POA
03/034	1" x 16g	£ 16.70	03/061	6 1/4" x 10g	£ POA
03/035	1 1/8" x 16g	£ 18.88			

Section. Price per metre unless stated.

<u>Code</u>			<u>Code</u>		
03/110	3/8" x 1/4"	£ 8.90	03/113	3/4" x 3/8"	£ 20.70
03/111	1" x 1/4"	£ 13.62	03/114	2 1/2" x 1/2"	£ POA
03/112	1/2" x 3/8"	£ 13.07			

Round. Price per metre unless stated.

<u>Code</u>			<u>Code</u>			<u>Code</u>		
03/310	1/8"	£ 2.18	03/314	3/8"	£ 9.23	03/318	7/8"	£ 31.05
03/311	3/16"	£ 2.91	03/315	1/2"	£ 10.89	03/319	1"	£ 41.83
03/312	1/4"	£ 3.27	03/316	5/8"	£ 20.88	03/320	1 1/4"	£ POA
03/313	5/16"	£ 9.40	03/317	3/4"	£ 26.14	03/321	1 1/2"	£ POA

Copper. Cont'd.

Square. Price per metre unless stated.

<u>Code</u>			<u>Code</u>			<u>Code</u>		
03/210	1/4"	£ 6.36	03/211	3/8"	£ 8.75	03/212	1/2"	£ 13.62
03/214	5/8"	£ 28.80						

Sheet. Per square 300mm x 300mm (pr square foot, nominal),

<u>Code</u>			<u>Code</u>		
03/410	26g (0.45)	£ 5.19	03/415	16g (1.6)	£ 11.83
03/411	24g (0.55)	£ 5.40	03/416	13/12 (2.5)	£ 21.59
03/412	22g (0.70)	£ 6.33	03/417	10g (3.0)	£ 24.86
03/413	20g (0.90)	£ 9.90	03/418	8g (4.0)	£ POA
03/414	18g (1.2)	£ 8.59	03/419	3/16"	£ POA

Brass.

Tube (Drawn) :- All O/D x wall. Price per metre unless stated.

* = Slip fitting, sizes differ by 0.8mm

<u>Code</u>			<u>Code</u>		
04/010	0.072" x 28g	£3.75	04/057	1" x 22g	£13.34
04/011	1/8" x 28g	£1.64	04/028	1" x 18g*	£14.71
04/012	1/8" x 22g	£1.97	04/029	1" x 16g	£19.24
04/013	5/32" x 22g	£5.40	04/058	1 1/8" x 16g	£22.30
04/014	3/16" x 22g	£3.10	04/030	1 3/8" x 20g	£28.70
04/015	1/4" x 22g	£2.51	04/031	1 1/2" x 20g	£33.43
04/016	5/16" x 20g	£4.00	04/032	1 1/2" x 16g	£21.78
04/017	3/8" x 22g	£5.86	04/033	1 3/4" x 20g	£26.97
04/018	3/8" x 18g*	£5.64	04/034	1 3/4" x 16g	£30.64
04/019	7/16" x 22g	£6.44	04/035	2" x 18g	£29.77
04/050	7/16" x 18g*	£6.44	04/036	2" x 10g	£65.34
04/020	1/2" x 22g	£6.08	04/037	2 1/4" x 16g	£38.12
04/021	1/2" x 18g*	£7.26	04/038	2 1/2" x 18g	£39.93
04/022	9/16" x 22g	£6.73	04/039	2 1/2" x 10g	£118.86
04/023	5/8" x 22g	£6.47	04/051	2 9/16" x 20g	£60.67
04/024	5/8" x 18g*	£8.90	04/040	3 1/4" x 10g	£104.55
04/025	3/4" x 22g	£10.85	04/041	3 1/2" x 16 g	£104.57
04/026	3/4" x 18g*	£10.95	04/043		
04/056	7/8" x 22g	£12.64	04/044	5 1/2" x 10g	£ POA
04/027	7/8" x 18g*	£11.62	04/045	6" x 10g	£ POA

Square. Price per metre unless stated (Φ price pr 25mm length)

<u>Code</u>			<u>Code</u>			<u>Code</u>		
04/210	0.050	£ 2.65	04/215	1/4"	£ 4.51	04/220	5/8"	£ 14.71
04/211	0.1050"	£ 3.01 CA	04/216	5/16"	£ 4.72	04/221	3/4"	£ 23.79
04/212	3/32"	£ 4.93	04/217	3/8"	£ 6.54	04/222	1"	£ 34.75
04/213	1/8"	£ 3.12	04/218	7/16"	£ 8.36	04/224	1 1/4"	£ 1.25 Φ
04/226	4 mm	£ 3.81	04/219	1/2"	£ 12.64	04/225	2"	£ 4.24 Φ
04/214	3/16"	£ 4.24				04/223	3"	£ 9.90 Φ

Brass Cont'd.

Section. Price per metre unless stated (Φ price pr 25mm length)

<u>Code</u>				<u>Code</u>			
04/115	1/4"	x 21g	£1.60	04/150	1/2"	x 1/4"	£8.35
04/110	1/8"	x 20g	£1.45	04/151	5/8"	x 1/4"	£10.36
04/111	3/16"	x 20g	£1.50	RA	3/4"	x 1/4"	£13.08
04/119	1/2"	x 20g	£2.37	04/152	1"	x 1/4"	£16.20
04/116	1/4"	x 18g	£1.55	04/153	1 1/4"	x 1/4"	£19.97
04/117	1/4"	x 16g	£2.73	04/154	2"	x 1/4"	£31.95
04/118	3/8"	x 16g	£4.25	04/155	3"	x 1/4"	£47.19
04/120	12mm x 1.6mm		£2.99	04/156	3 1/4"	x 1/4"	£51.91
04/125	3/4"	x 16g	£4.36	04/157	4"	x 1/4"	£64.68
04/126	1"	x 16g	£4.36	04/158	8"	x 1/4"	£ POA
04/127	1 1/4"	x 16g	£6.73	RA	1 1/2"	x 5/16"	£21.25
04/130	1/4"	x 1/8"	£3.06	04/159	1/2"	x 3/8"	£9.81
04/131	3/8"	x 1/8"	£3.63	04/160	3/4"	x 3/8"	£14.52
04/132	1/2"	x 1/8"	£5.50	RA	7/8"	x 3/8"	£15.44
04/133	3/4"	x 1/8"	£5.85	04/165	1 1/2"	x 3/8"	£38.85
04/134	1"	x 1/8"	£8.72	04/170	5/8"	x 1/2"	£13.07
04/135	1 1/2"	x 1/8"	£14.29	04/171	3/4"	x 1/2"	£18.37
04/136	2"	x 1/8"	£13.66	04/172	1"	x 1/2"	£34.51
04/137	4"	x 1/8"	£38.31	04/173	1 1/2"	x 1/2"	£55.68
04/140	3/4"	x 5/32"	£6.18 WSL	04/174	5"	x 1/2"	£ POA
04/141	1/4"	x 3/16"	£4.36	04/180	3 1/2"	x 3/4"	£ POA
04/142	3/8"	x 3/16"	£7.26	04/185	4"	x 1"	£ POA
04/167	1/2"	x 3/16"	£8.72				
04/143	1 1/2"	x 3/16"	£14.60				
04/144	3"	x 3/16"	£26.87				

Round (Free cutting). Price per metre unless stated (Φ price pr 25mm length)

<u>Code</u>			<u>Code</u>			<u>Code</u>		
04/309	3/32"	£1.30						
04/310	7/64"	£1.30	04/320	9/16"	£9.44	04/330	1 3/4"	£2.65 Φ
04/311	1/8"	£1.40	04/321	5/8"	£13.88	04/331	2"	£3.17 Φ
04/312	5/32"	£1.39	04/322	3/4"	£20.81	04/332	2 1/4"	£4.76 Φ
04/313	3/16"	£2.24	04/323	7/8"	£28.68	04/333	2 1/2"	£4.03 Φ
04/314	1/4"	£2.62	04/324	1"	£36.08	04/334	2 3/4"	£4.95 Φ
04/315	5/16"	£4.00	04/325	1 1/8"	£36.09	04/335	3"	£8.68 Φ
04/316	3/8"	£5.89	04/326	1 1/4"	£1.50 Φ	04/336	3 1/4"	£10.78 Φ
04/317	10mm	£5.89	04/327	1 3/8"	£1.85 Φ	04/337	3 1/2"	£12.51 Φ
04/318	7/16"	£7.81	04/328	1 1/2"	£2.00 Φ	04/338	3 3/4"	£13.20 Φ
04/319	1/2"	£11.03	04/329	1 5/8"	£2.20 Φ	04/339	4"	£14.56 Φ

Hexagon (Free cutting). Price per metre unless stated (Φ price pr 25mm length)

<u>Code</u>			<u>Code</u>			<u>Code</u>		
04/510	1/8"	£1.85	04/516	3/8"	£6.80	04/521	3/4"	£24.50
04/511	5/32"	£1.95	04/517	7/16"	£7.99	04/522	Unobtainable	
04/512	4mm	£1.95	04/518	1/2"	£13.13	04/523	7/8"	£32.53
04/513	3/16"	£2.05	04/530	9/16"	£11.44	04/524	0.920"	£32.67wsl
04/514	1/4"	£2.91	04/519	5/8"	£15.14	04/525	1"	£41.75
04/515	5/16"	£4.17				04/526	1 1/4"	£52.28

Brass Cont'd.

Half round (Convex). Price per metre unless stated (Sizes are nominal)

<u>Code</u>	<u>Code</u>	<u>Code</u>
04/610 0.068" £1.46	04/614 3/16" £4.00	04/617 1/2" £8.24
04/611 3/32" £1.64	04/615 1/4" £4.55	04/619 5/8" £8.40
04/612 3mm x 1.5mm £1.82	04/616 3/8" £7.40	04/618 3/4" £10.72
04/613 5/32" £2.73		

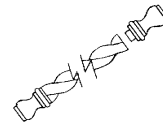
Angle. Price per metre unless stated

<u>Code</u>	<u>Code</u>
04/710 1/4 x 1/4 x 1/16" £3.76	04/716 1 x 1 x 1/16" £11.98
04/711 5/16 x 5/16 x 1/16" £4.85	04/717 1/2 x 1/2 x 1/8" £8.79
04/712 3/8 x 3/8 x 1/16" £5.60	04/718 5/8 x 5/8 x 1/8" £11.08
04/713 1/2 x 1/2 x 1/16" £5.60	04/719 3/4 x 3/4 x 1/8" £12.71
04/714 5/8 x 5/8 x 1/16" £6.40	04/720 1 x 1 x 1/8" £14.38
04/715 3/4 x 3/4 x 1/16" £8.18	04/721

Square Tube. Price per metre unless stated

<u>Code</u>	<u>Code</u>
04/250 1/2 x 1/2 x 18g £13.07	04/252 1 x 1 x 18g £20.05
04/251 3/4 x 3/4 x 18g £17.43	

Twisted Square Price as advised. (Used on showman's engines and fair ground models).



Price pr 600mm length

<u>Code</u>	<u>Code</u>	<u>Code</u>
04/275 3/32" A/F £3.65	04/279 7/32 A/F £4.75	04/282 3/8" A/F £6.60
04/276 1/8" A/F £3.80	04/280 1/4" A/F £5.10	04/283 7/16 A/F £7.75
04/277 5/32" A/F £4.00	04/281 5/16" A/F £5.80	04/284 1/2" A/F £13.00
04/278 3/16" A/F £4.40		

Price pr metre unless stated.

04/286 1/2" A/C £ POA	04/295 7/8" A/C £ POA	04/289 1 1/4" A/C £ POA
04/287 3/4" A/C £ PAO	04/288 1" A/C £ POA	04/290 1 1/2" A/C £ POA

Note Twisted brass measured **A/F** is sold and priced pr 600mm length, it is also solid.
Twisted brass measured **A/C** can be supplied to a max length of 12 feet (4metres)
It is also hollow.

Channel. Price per metre unless stated

<u>Code</u>	<u>Code</u>
04/810 3/8 x 3/8 x 1/16" £9.35	04/813 1 x 3/4 x 1/8" £23.53
04/811 1/2 x 1/2 x 1/16" £8.90	04/814 1 x 1/2 x 1/8" £19.97
04/812 5/8 x 5/8 x 1/8" £15.61 WSL	

Brass Cont'd.

'T' Section. Price per metre unless stated

<u>Code</u>			<u>Code</u>		
04/940	3/4 x 3/4" x 1/8"	£17.25	04/941	1 x 1 x 1/8"	£23.03

Wire (round). In 3 metre lengths.

<u>Code</u>			<u>Code</u>		
04/910	16 g	£2.00	04/913	22g	£2.00
04/911	18g	£2.00	04/914	2mm	£2.25
04/912	20g	£2.00			

Sheet. Per 300mm x 300mm area. (Pr. nominal sqare foot)

<u>Code</u>			<u>Code</u>			<u>Code</u>		
04/410	26g (.45mm)	£3.47	04/413	20g (.90mm)	£9.88	04/416	13/12g (2.5mm)	£17.75
04/411	24g (.55mm)	£4.63	04/414	18g (1.2mm)	£9.14	04/417	10g (3.0mm)	£24.85
04/412	22g (.70mm)	£5.67	04/415	16g (1.6mm)	£13.06			

Clock or Engraving sheet. Per 300mm x 300mm area (Pr. nominal sqare foot)

<u>Code</u>			<u>Code</u>			<u>Code</u>		
04/430	18g (1.2mm)	£9.14	04/433	12g (2.5mm)	£17.75	04/435	5/32" (4mm)	£ POA
04/431	16g (1.6mm)	£11.56	04/434	10g (3.0mm)	£32.75	04/436	3/16"	£ POA
04/432	14g (2.0mm)	£ POA						

Mesh. Per 300mm x 300mm area. (Pr. nominal sqare foot)

<u>Code</u>			<u>Code</u>		
04/930	80 mesh x 39g wire	£7.27	04/931	20 mesh x 28g wire	£7.27

Leaded Bronze (SAE 660). Suitable for use on mild steel shafts, cuts like butter.

Round (Solid). Price Per 25mm

<u>Code</u>			<u>Code</u>			<u>Code</u>		
05/310	1/2"	£0.56	05/314	1 1/4"	£1.86	05/318	2"	£5.14
05/311	5/8"	£0.69 WSL	05/315	1 3/8"	£2.25 WSL	05/319	2 1/2"	£10.50
05/312	3/4"	£1.05	05/316	1 1/2"	£3.51	05/320	3"	£10.85
05/313	1"	£1.82	05/317	1 3/4"	£3.64	05/	3 1/2"	£11.35

Round (Hollow). Outside diameter x internal diameter. Price Per 25mm

<u>Code</u>			<u>Code</u>			<u>Code</u>		
05/340	1" x 1/2"	£1.86	05/347	2" x 1 1/4"	£4.21		3 1/2" x 2 3/4"	£7.70
05/341	1 1/4" x 1/2"	£2.18	05/348	2" x 1 1/2"	£3.73	05/358	3 1/2 x 3"	£6.04
WSL	1 1/4" x 3/4"	£2.03	05/349	2 1/4" x 1 1/2"	£4.79		4" x 2 1/4"	£10.90
05/342	1 1/2" x 3/4"	£3.17	05/350	2 1/2" x 1 1/2"	£5.20	05/355	4" x 3"	£10.30
05/343	1 1/2" x 1"	£2.42	05/351	2 1/2" x 2"	£4.66	05/356	4" x 3 1/2"	£9.64
05/344	1 3/4" x 1"	£2.97	05/352	2 3/4" x 2"	£5.15	05/357	4 1/2" x 3 1/2"	£10.70
05/345	1 3/4" x 1 1/4"	£2.66	05/353	3" x 2 1/2"	£5.44	05/359	5 1/2" x 3 1/2"	£27.20
05/346	2" x 3/4"	£4.78	05/354	3 1/4" x 2 3/4"	£6.18			

Cast Gunmetal (LG2).

Round. Price per 25mm length, max length 300mm

<u>Code</u>			<u>Code</u>			<u>Code</u>		
05/385	1/2"	£0.81	05/388	1 1/4"	£3.93	05/391	2"	£10.37
05/386	3/4"	£1.84	05/389	1 1/2"	£5.70			
05/387	1"	£2.68	05/390	1 3/4"	£7.62			

Square. Price per 25mm length, max length 300mm

<u>Code</u>			<u>Code</u>			<u>Code</u>		
05/225	1/2"	£0.92	05/227	1"	£4.53	05/228	1 1/4"	£5.07
05/226	3/4"	£2.15						

Phosphor Bronze (Drawn PB 102).

Round. Price per metre unless stated (Φ price pr 25mm length)

<u>Code</u>			<u>Code</u>			<u>Code</u>		
05/360	1/8"	£1.90	05/366	7/16"	£18.88	05/371	1 1/8"	£3.06 Φ
05/361	5/32"	£4.18	05/367	1/2"	£23.66	05/372	1 1/4"	£3.03 Φ
05/362	3/16"	£6.30	05/368	5/8"	£24.84	05/373	1 1/2"	£4.24 Φ
05/363	1/4"	£6.73	05/369	3/4"	£46.63	05/374	1 3/4"	£5.94 Φ
05/364	5/16"	£11.81	05/370	1"	£2.37 Φ	05/375	2"	£7.92 Φ
05/365	3/8"	£16.34						

Larger sizes ideal bearings with hard shafts and heavy loads.

Section. Price per metre unless stated (Φ price pr 25mm length)

<u>Code</u>			<u>Code</u>			<u>Code</u>					
05/110	3/4"	x 3mm	£16.34	05/114	5 1/4"	x 1/4"	£4.18 Φ	05/118	1 1/2"	x 1"	£ POA Φ
05/111	1"	x 3mm	£20.33	05/115	3"	x 3/8"	£5.42 Φ	05/119	4"	x 1"	£ POA Φ
05/112	1"	x 1/4"	£35.58	05/116	3"	x 1/2"	£6.79 Φ				
05/113	3"	x 1/4"	£95.84								

Hexagon. Per metre unless stated

<u>Code</u>			<u>Code</u>			<u>Code</u>		
05/510	Unobtainable		05/513	1/2"	£35.51	05/516	3/4"	£65.21
05/520			05/514	0.525"	£35.55 WSL	RA	1"	£84.66
05/511	10mm	£28.97	RA	.600"	£48.77	05/517	1.01"	£84.66 WSL
05/512	7/16"	£30.97	05/515	5/8"	£48.77	05/518	1.2"	£124.50

Round Spring Wire. Per coil (3 metres).

<u>Code</u>			<u>Code</u>			<u>Code</u>		
05/910	26g	£2.05	05/912	22g	£2.05	05/914		
05/911	24g	£2.05	05/913	20g	£2.05	05/915	16g	£3.25

Square. Per metre unless stated. (Φ price pr 25mm length)

<u>Code</u>			<u>Code</u>			<u>Code</u>		
05/211	1/2"	£37.18	05/213	1"	£3.75 Φ	05/217	1 3/4"	£17.50 Φ
05/212	3/4"	£37.66						

Silver Steel (Precision Ground). Standard 13" lengths

(Also available to order in 1,2 or 3 metre lengths to order only)

<u>Code</u>			<u>Code</u>			<u>Code</u>		
06/310	1/16"	£0.65	06/335	9/16"	£6.45	06/312	2mm	£0.65
06/311	3/32"	£0.65	06/331	5/8"	£7.16	06/351	2.5mm	£0.65
06/313	1/8"	£0.78	06/332	3/4"	£10.25	06/336	3mm	£0.78
06/314	5/32"	£1.20	06/370	7/8"	£13.13	06/315	4mm	£1.05
06/316	3/16"	£1.30	06/333	1"	£15.98	06/317	5mm	£1.40
06/318	7/32"	£1.95	06/371	1 1/8"	£20.86	06/319	6mm	£1.97
06/320	1/4"	£1.88	06/334	1 1/4"	£25.38	06/322	7mm	£2.31
06/321	9/32"	£2.82	06/372	1 3/8"	£30.19	06/323	7.5mm	£2.84
06/325	5/16"	£2.82	06/373	1 1/2"	£36.05	06/324	8mm	£2.64
06/326	3/8"	£3.72	06/374	1 3/4"	£49.65	06/327	10mm	£4.08
06/329	7/16"	£5.15	06/375	2"	£67.97	06/328	11mm	£5.03
06/330	1/2"	£5.88				06/340	12mm	£5.96

KEA 108 (Precision Ground) High duty tool steel. In 3 foot lengths only.

Free cutting silver steel

<u>Code</u>			<u>Code</u>			<u>Code</u>		
06/360	1/8" dia.	£2.60	06/362	3/16"	£4.29	06/368	3/4"	£32.90

While stocks last. Please check availability before ordering

Silver Steel (Square). Per 13" (330mm) length. (While stocks last)

<u>Code</u>			<u>Code</u>			<u>Code</u>		
06/210	3/16"	£2.54	06/212	3/8"	£4.51	06/214	7/16"	£5.12
06/213	10mm	£4.64						

Gauge Plate or Ground Flat Stock Imperial 18" length – Metric 250mm length

<u>Code</u>			<u>Code</u>			<u>Code</u>		
07/111	1/2" x 1/16"	£8.00	07/119	2" x 1/8"	£11.23	07/127	3" x 3/16"	£15.30
07/112	1" x 1/16"	£9.25	07/120	4" x 1/8"	£18.76	07/128	4" x 3/16"	£19.42
07/113	2" x 1/16"	£10.75	07/121	6" x 1/8"	£24.45	07/129	1/2" x 1/4"	£10.58
07/114	3" x 1/16"	£11.50	07/122	1/2" x 3/16"	£9.06	07/130	1" x 1/4"	£11.55
07/115	1" x 3/32"	£9.50	07/123	3/4" x 3/16"	£9.70	07/131	2" x 1/4"	£14.84
07/116	2" x 3/32"	£10.06	07/124	1" x 3/16"	£10.10	07/132	2" x 5/16"	£17.90
07/117	1/2" x 1/8"	£8.50	07/125	2" x 3/16"	£15.61	07/133	2" x 3/8"	£18.86
07/118	1" x 1/8"	£9.79	07/126	2 1/2" x 3/16"	£13.30			
07/150	25mm x 1mm	£4.63	07/156	75mm x 1.5mm	£9.25	07/142	20mm x 3mm	£4.15
07/151	50mm x 1mm	£6.00	07/157	100mm x 1.5mm	£12.55	07/162	25mm x 3mm	£4.55
07/152	75mm x 1mm	£9.00	07/158	25mm x 2mm	£4.85	07/163	50mm x 3mm	£7.25
07/153	100mm x 1mm	£12.25	07/159	50mm x 2mm	£6.85	07/143	60mm x 3mm	£8.42
07/154	25mm x 1.5mm	£4.35	07/160	75mm x 2mm	£9.80	07/164	75mm x 3mm	£10.20
07/155	50mm x 1.5mm	£6.20	07/161	100mm x 2mm	£12.85	07/165	100mm x 3mm	£13.15

Square Imperial 18" length

<u>Code</u>			<u>Code</u>			<u>Code</u>		
07/201	3/16"	£11.45	07/203	3/8"	£12.75	07/204	1/2"	£13.05
07/202	1/4"	£12.51						

Metric 250mm length

07/140	8mm x 8mm	£6.15	07/141	10mm x 10mm	£6.85
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Steel

Bright Section Per metre unless stated

<u>Code</u>				<u>Code</u>				<u>Code</u>			
09\101	1/4"	x 1/16"	£0.50	09/156	3/8"	x 1/4"	£1.54	09/198	3/4"	x 1/2"	£6.44
09/102	3/8"	x 1/16"	£0.55	09/157	1/2"	x 1/4"	£2.51	09/199	1"	x 1/2"	£7.52
09/103	1/2"	x 1/16"	£0.65	09/158	5/8"	x 1/4"	£2.86	09/1100	1 1/4"	x 1/2"	£10.05
09/104	3/4"	x 1/16"	£0.80	09/159	3/4"	x 1/4"	£3.68	09/1101	1 1/2"	x 1/2"	£14.30
09/105	1"	x 1/16"	£0.86	09/160	1"	x 1/4"	£4.20	09/1130	1 3/4"	x 1/2"	£14.80
09/109	3/8"	x 3/32"	£0.80	09/161	1 1/4"	x 1/4"	£4.66	09/1102	2"	x 1/2"	£15.05
09/110	1/2"	x 3/32"	£1.15	09/162	1 1/2"	x 1/4"	£5.80	09/1103	2 1/4"	x 1/2"	£17.16
09/111	3/4"	x 3/32"	£1.57	09/163	1 3/4"	x 1/4"	£6.80	09/1104	2 1/2"	x 1/2"	£18.09
09/119	6"	x 3/32"	£6.90	09/164	2"	x 1/4"	£8.06	09/1105	2 3/4"	x 1/2"	£19.48
09/120	1/4"	x 1/8"	£0.72	09/165	2 1/4"	x 1/4"	£8.38	09/1106	3"	x 1/2"	£18.33
09/121	3/8"	x 1/8"	£1.08	09/166	2 1/2"	x 1/4"	£9.84	09/1107	3 1/2"	x 1/2"	£22.36
09/122	1/2"	x 1/8"	£1.29	09/167	2 3/4"	x 1/4"	£10.38	09/1108	4"	x 1/2"	£22.53
09/123	5/8"	x 1/8"	£1.37	09/168	3"	x 1/4"	£11.44	09/1109	6"	x 1/2"	£37.55
09/124	3/4"	x 1/8"	£1.84	09/169	3 1/2"	x 1/4"	£13.88	09/1110	3/4"	x 5/8"	£6.98
09/125	1"	x 1/8"	£2.59	09/170	4"	x 1/4"	£16.10	09/1111	1"	x 5/8"	£7.87
09/126	1 1/8"	x 1/8"	£1.83	09/171	4 1/2"	x 1/4"	£17.16	09/1112	1 1/4"	x 5/8"	£8.58
09/127	1 1/4"	x 1/8"	£2.29	09/172	6"	x 1/4"	£22.88	09/1113	1 1/2"	x 5/8"	£12.16
09/128	1 1/2"	x 1/8"	£4.68	09/173	1/2"	x 5/16"	£2.58	09/1114	2"	x 5/8"	£14.30
09/129	1 3/4"	x 1/8"	£3.85	09/174	5/8"	x 5/16"	£3.58	09/1115	3"	x 5/8"	£22.17
09/130	2"	x 1/8"	£4.01	09/175	3/4"	x 5/16"	£4.29	09/1116	1"	x 3/4"	£8.95
09/131	2 1/2"	x 1/8"	£4.60	09/176	1"	x 5/16"	£5.66	09/1117	1 1/2"	x 3/4"	£15.73
09/132	2 3/4"	x 1/8"	£4.99	09/177	1 1/4"	x 5/16"	£5.31	09/1118	2"	x 3/4"	£18.24
09/133	3"	x 1/8"	£5.39	09/178	1 1/2"	x 5/16"	£7.52	09/1119	2 1/2"	x 3/4"	£27.89
09/134	3 1/2"	x 1/8"	£6.05	09/179	2"	x 5/16"	£8.58	09/1120	3"	x 3/4"	£30.40
09/135	4"	x 1/8"	£10.50	09/180	2 1/2"	x 5/16"	£10.05	09/1121	4"	x 3/4"	£33.61
09/138	6"	x 1/8"	£8.56	09/181	3"	x 5/16"	£14.30	09/1122	1 1/4"	x 1"	£16.31
09/140	3/8"	x 3/16"	£1.29	09/182	4"	x 5/16"	£15.09	09/1123	1 1/2"	x 1"	£25.03
09/141	1/2"	x 3/16"	£1.40	09/183	1/2"	x 3/8"	£3.15	09/1124	2"	x 1"	£28.60
09/142	5/8"	x 3/16"	£1.60	09/184	5/8"	x 3/8"	£4.83	09/1125	2 1/2"	x 1"	£39.33
09/143	3/4"	x 3/16"	£2.23	09/185	3/4"	x 3/8"	£5.55	09/1126	3"	x 1"	£44.70
09/144	1"	x 3/16"	£3.94	09/186	1"	x 3/8"	£6.26	09/1131	4"	x 1"	£62.50
09/145	1 1/4"	x 3/16"	£4.83	09/187	1 1/4"	x 3/8"	£6.80	09/1127	2"	x 1 1/2"	£ POA
09/146	1 1/2"	x 3/16"	£5.55	09/188	1 1/2"	x 3/8"	£7.52	09/1128	2"	x 1 3/4"	£ POA
09/147	1 3/4"	x 3/16"	£6.63	09/189				09/1129	2 1/2"	x 1 3/4"	£ POA
09/148	2"	x 3/16"	£7.36	09/190	2"	x 3/8"	£10.05				
09/149	2 1/2"	x 3/16"	£7.52	09/191	2 1/2"	x 3/8"	£13.59				
09/150	3"	x 3/16"	£9.66	09/192	3"	x 3/8"	£15.05				
09/151	3 1/2"	x 3/16"	£10.73	09/193	4"	x 3/8"	£23.57				
09/152	4"	x 3/16"	£13.60	09/194	5"	x 3/8"	£21.45				
09/153	4 1/2"	x 3/16"	£14.67	09/195	6"	x 3/8"	£30.40				
09/154				09/196	3/4"	x 7/16"	£4.30				
09/155	6"	x 3/16"	£19.67	09/197	5/8"	x 1/2"	£4.66				

Bright Section Packs approx 20% less than individual lengths, each length is 1 metre.

09/1150	1/16 x 1/4, 3/8, 1/2, 3/4, 1"	£2.85	09/1156	1/4 x 1 1/4, 1 1/2, 1 3/4, 2"	£20.25
09/1151	1/8 x 1/4, 3/8, 1/2, 5/8, 3/4, 1"	£6.20	09/1157	1/2 x 3/8, 5/16, 1/4, 3/16, 1/8	£8.75
09/1152	1/8 x 1 1/4, 1 1/2, 1 3/4, 2"	£11.86	09/1158	5/8 x 1/2, 3/8, 5/16, 1/4, 3/16, 1/8	£15.12
09/1153	3/16 x 3/8, 1/2, 5/8, 3/4, 1"	£8.36			
09/1154	3/16 x 1 1/4, 1 1/2, 1 3/4, 2"	£19.32	09/1159	3/4 x 5/8, 1/2, 3/8, 5/16, 1/4, 3/16, 1/8, 1/16	£25.16
09/1155	1/4 x 3/8, 1/2, 5/8, 3/4, 1"	£10.86			

Steel Cont'd

Bright Section (Metric) (EN3B) Per metre unless stated

<u>Code</u>			<u>Code</u>			<u>Code</u>			
09/950	12mm	x 5mm	£1.30	09/955	20mm x 12mm	£4.23	09/960	70mm x 30mm	£37.38
09/951	50mm	x 8mm	£7.12	09/956	125mm x 16mm	£35.59	09/961	110mm x 30mm	£58.50
09/952	45mm	x 10mm	£7.22	09/957	60mm x 20mm	£21.13	09/962		
09/953	55mm	x 10mm	£9.75	09/958	45mm x 25mm	£20.02	09/963	160mm x 50mm	£ POA
09/954	125mm	x 10mm	£22.23	09/959	50mm x 30mm	£26.65	09/964	140mm x 140mm	£ POA

Bright Square (EN3B) Per metre unless stated

<u>Code</u>			<u>Code</u>			<u>Code</u>		
09/201	1/8"	£0.59	09/208	5/8"	£4.13	09/216	2 1/4"	£55.32
09/202	3/16"	£0.68	09/209	3/4"	£8.64	09/217	2 1/2"	£71.89
09/203	1/4"	£1.11	09/210	7/8" wsl	£13.48	09/218	2 3/4"	£82.98
09/204	5/16"	£1.66	09/211	1"	£10.99	09/230	3"	£ POA
09/205	3/8"	£2.41	09/212	1 1/4"	£12.19	09/219	3 1/4"	£ POA
09/206	7/16"	£2.47	09/213	1 1/2"	£24.05	09/220	3 1/2"	£ POA
09/207	1/2"	£3.16	09/214	1 3/4"	£26.98	09/221	4"	£ POA
			09/215	2"	£44.46	09/222	4 1/2"	£ POA

Round Imperial. Per metre unless stated (3/32 to 5/8 – EN3B, 3/4 and up EN1A).

<u>Code</u>			<u>Code</u>			<u>Code</u>		
09/302	3/32"	£0.50	09/314	3/4"	£4.80	09/325	2 1/2"	£36.32
09/303	1/8"	£0.52	09/317	1"	£6.83	09/326	2 3/4"	£43.79
09/304	5/32"	£0.56	09/318	1 1/8"	£9.27	09/327	3"	£58.84
09/305	3/16"	£0.65	09/319	1 1/4"	£11.38	09/328	3 1/2"	£68.20
09/306	1/4"	£0.92	09/320	1 3/8"	£13.49	09/329	4"	£67.14
09/307	5/16"	£1.28	09/321	1 1/2"	£19.25	09/330	4 1/2"	£ POA
09/308	3/8"	£1.41		1 5/8	£21.13	09/331	4 3/4"	£ POA
09/309	9/64"	£1.16	09/322	1 3/4"	£24.48	09/332	5"	£ POA
09/310	7/16"	£1.30	09/323	2"	£31.62	09/333	5 1/4"	£ POA
09/311	1/2"	£1.89	09/324	2 1/4"	£33.70	09/334	6"	£ POA
09/312	5/8"	£3.49				09/336	7"	£ POA

Round Metric. Per metre unless stated (2mm to 12mm – EN3B,18 and up EN1A).

<u>Code</u>								
	2 mm	£0.56	4mm	£0.58	09/313	18mm	£4.80*	
	3 mm	£0.56	4.5mm	£0.65	09/316	25mm	£6.83*	
	3.5mm	£0.56	12mm	£1.89	09/315	22mm	£5.53*	

Bright Angle (Drawn) Per metre unless stated

<u>Code</u>				<u>Code</u>			
09/700	12mm x 12mm	x 3mm	£2.56*	09/704	32mm x 32mm	x 5mm	£11.38
09/715	16mm x 16mm	x3mm	£4.11	09/705	40mm x 40mm	x 4mm	£13.17
09/701	20mm x 20mm	x 3mm	£6.25	09/706	40mm x 40mm	x 5mm	£19.25
09/702	25mm x 25mm	x 3mm	£6.50	09/707	40mm x 40mm	x 6mm	£19.52
09/703	32mm x 32mm	x 4mm	£9.75	09/708	50mm x 50mm	x 6mm	£22.68

*note, this is drawn black but with a sharp corner.

Piano Wire Price per 3 meters.

14g	£6.05	18g	£4.95	22g	£4.50
16g	£6.05	20g	£4.95	24g	£4.50

Steel cont'd

Tube - Round (Drawn) Per metre unless stated (OD x Wall)

<u>Code</u>			<u>Code</u>			<u>Code</u>					
09/001	1/4"	x 0.71mm	£3.23*	09/010	6.4mm x 0.81mm	£3.20	09/019	2"	x 1/4"	£28.60	
09/002	3/8"	x 18g	£3.77*	09/011	3/8"	x 2mm	£4.72	09/020	2 3/8"	x 1/16	£17.72
09/003	1/2"	x 18g	£3.23*	09/012	3/4"	x 1/4"	£11.86	09/021	2 7/8"	x 6g	£43.33
09/004	5/8"	x 18g	£3.87*	09/013	7/8"	x 1/8"	£13.41	09/022	6 1/2"	x 1/4"	£88.31
09/005	3/4"	x 18g	£4.51*	09/014	1 1/4"	x 16g	£5.58	09/023	7"	x 1/4"	£94.80
09/006	7/8"	x 18g	£4.62*	09/015	1 1/4"	x 5/16	£47.87	09/024	3/4"	x 14g	£5.58
09/007	1"	x 18g	£6.66*	09/016	1 1/2"	x 5/32	£15.53	09/025	1 3/4	x 1/4	£38.35
09/008	1 1/8"	x 18g	£7.30*	09/017	1 3/8"	x 1/8	£12.30	09/026	2 1/4	x 1/4	£44.00
09/009	1 1/4"	x 18g	£7.87*	09/018	1 1/2"	x 2.6mm	£10.87	09/029	53mm	x 6.5mm	£31.46

* Slip fitting, sizes differ by 0.8mm

Tube - Square (Welded) Per metre unless stated

<u>Code</u>			<u>Code</u>			<u>Code</u>			
09/060	1/2" x 1/2"	x 18g	£2.80	09/067	1" x 1"	x 18g			£4.66
09/061	1/2" x 1/2"	x 16g	£2.86	09/068	1" x 1"	x 16g			£4.83
09/062	5/8" x 5/8"	x 18g	£2.95	09/069	1" x 1"	x 14g			£6.44
09/063	5/8" x 5/8"	x 16g	£3.00	09/070	1 1/2" x 1 1/2"	x 18g	WSL		£5.05
09/064	3/4" x 3/4"	x 18g	£3.15	09/071	1 1/2" x 1 1/2"	x 14g			£7.52
09/065	3/4" x 3/4"	x 16g	£3.58						
09/066	7/8" x 7/8"	x 18g	£3.44	09/072	2" x 2"	x 14g			£10.00

Tube - Round (Welded) Per metre unless stated (OD x Wall)

<u>Code</u>			<u>Code</u>			<u>Code</u>					
09/030	3/8"	x 18g	£1.30	09/034	3/4"	x 18g	£1.83	09/038	1"	x 16g	£2.20
09/031	1/2"	x 18g	£1.43	09/035	3/4"	x 16g	£2.05	09/039	1 1/2"	x 16g	£2.86
09/032	1/2"	x 16g	£1.65	09/036	7/8"	x 18g	£1.95	09/040	2"	x 16g	£3.48
09/033	5/8"	x 18g	£1.63	09/037	1"	x 18g	£2.05				

Hexagon (EN1A) Per metre unless stated

<u>Code</u>			<u>Code</u>			<u>Code</u>					
09/502	1/8"		£1.10	09/515	7/16"		£2.44	09/526	15/16"		£7.87
09/551	5/32"		£1.10	09/516			£2.51	09/527	1"		£9.66
09/503	3/16"		£1.10	09/517	1/2"		£2.86	09/553	1.10"	#	£11.22
09/504	0.193"		£1.10	09/518				09/528	1 3/16"		£12.16
09/507	7/32"		£1.10	09/519	9/16"		£3.40	09/529	1.3"	#	£23.25
09/510	1/4"		£1.15	09/520	0.600"	#	£4.25	09/530	1.48"	#	£23.75
09/511	9/32"		£1.15	09/521	5/8"		£4.48	09/531	1.67"	#	£46.13
09/512	5/16"		£1.29	09/522	0.710"	#	£5.01		1.2"	#	£18.70
09/552	0.324"	#	£1.43	09/523	3/4"		£6.09	09/501	3.00mm		£1.10
09/513	11/32"		£1.50	09/524				09/505	5.5mm		£1.10
09/514	3/8"		£1.97	09/525	7/8"		£8.50	09/508	6mm		£1.10

whilst stocks last only.

Hexagon EN9 Per metre unless stated. (Oil hardening steel)

<u>Code</u>			<u>Code</u>			<u>Code</u>					
09/539	3/8"		£3.74	09/541	5/8"		£7.19	09/543	7/8"		£13.75
09/540	1/2"		£4.87	09/542	3/4"		£11.85	09/544	1"		£16.66

Steel cont'd Please refer to terms and conditions regarding sheet material
Bright Sheet Per 300mm x 300mm area (Pr. nominal square foot)

<u>Code</u>			<u>Code</u>		
09/401	22g (0.7mm)	£1.63	09/403	18g (1.2mm)	£2.12
09/402	20g (0.9mm)	£1.83	09/404	16g (1.6mm)	£2.49

Black Plate Per 300mm x 300mm area (Pr. nominal square foot)

<u>Code</u>			<u>Code</u>		
09/405	2.5mm	£2.95	09/406	3.0mm	£4.14
09/409	2.0mm	£2.60	09/408	5.0mm	£4.08

EN8 round Per metre unless stated

09/380	5mm	£1.30	09/383	2"	£46.47	3 3/4"	£157.70	
09/382	6mm	£1.63		2 1/4"	£	09/384	4"	£ POA
09/385	30mm	£18.09		2 1/2"	£36.57		170mm	£POA
	1"	£8.88		2 3/4"	£			
	1 1/4"	£21.59		3"	£83.73			
	1 1/2"	£25.77						
09/381	1 3/4"	£25.37		3 1/2"	£			

EN16T round Per metre unless stated

09/386	1/2"	£8.45	09/387	5/8"	£9.75	09/388	2"	£61.75
	1	£17.50		1 1/4"	£21.65			

EN24T round Per metre unless stated

09/390	5/8"	£13.00	09/391	25mm	£20.28	09/392	1 1/4"	£22.59
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Round (Precision Ground, EN1A) Per metre unless stated

<u>Code</u>			<u>Code</u>			<u>Code</u>		
09/372			09/371	5/8"	£8.33	09/376	1 1/4"	£33.15
09/375	3/8"	£3.91	09/373	3/4"	£10.88	09/377	1 1/2"	£45.90
09/370	1/2"	£5.53	09/374	1"	£21.53	WSL	9/16"	£7.00

Cold Finished Seamless Pressure Tube Price per metre. (Material certs. aivalable)

Sutable for steel boilers. Other sizes available – ring for quote

<u>Code</u>			<u>Code</u>		
09/080	3/4" x 2.03mm wall	£4.32	09/081	1" x 2.03mm wall	£6.15

Tube expanders for the above can be supplied P.O.A.

CS70 Bright annealed Spring strip Per metre unless stated

<u>Code</u>			<u>Code</u>		
09/910	1/2" x 1/16"	£4.64	09/912	3/4" x 1/8"	£7.03
09/911	1" x 1/16"	£7.11	09/913	1" x 1/8"	£8.55
			09/914	1 1/8" x 1/8"	£8.75

CS95 hard temperd spring steel strip

09/930	5/16 x 0.006"	£13.83	09/935	7/16 x 0.008"	£19.10
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Black hot rolled annealed spring steel (EN42)

09/940	3/16 x 1 1/4	£13.62	09/946	1/4 x 5 1/4	£53.10
09/942	3/16 x 1 3/4	£17.70			

Cast Iron (EN1561)

Round No blow holes or hard spots. Cuts like butter Per 25mm unless stated

<u>Code</u>			<u>Code</u>			<u>Code</u>		
08/310	20mm	£0.65	08/315	50mm	£1.21	08/321	125mm	£8.68
08/311	25mm	£0.71	08/316	65mm	£2.51	08/322	140mm	£8.85
08/312	35mm	£0.90	08/317	75mm	£2.44	08/323	150mm	£9.22
08/313	40mm	£0.95	08/319	90mm	£4.69	08/327	180mm	£17.65
08/314	45mm	£1.03 WSL	08/320	110mm	£6.00	08/324	250mm	£25.68

Note – cutting charge on item 08/324 £5.00 each cut

Section Per 25mm

<u>Code</u>			<u>Code</u>		
08/110	50mm	x 25mm	£1.43	08/113	100mm x 50mm £4.25
08/120	60mm	x 30mm	£2.36	08/114	
08/111	160mm	x 30mm	£4.84	08/115	80mm x 80mm £4.93
08/112	50mm	x 50mm	£2.05	08/122	140mm x 90mm £9.70

Stainless Steel

Section Per metre unless stated

<u>Code</u>			<u>Code</u>			<u>Code</u>		
10/101	1/2"	x 1/8" AA	£6.44	10/105	25mm x 6mm	£16.90	10/108	1 1/4" x 3/8" £32.89
10/102	1"	x 1/8" BB	£12.52	10/106	2" x 1/4"	£28.60	10/109	25mm x 12mm £36.08
10/103	20mm	x 5mm	£11.81	10/107	3/4" x 3/8"	£19.67	10/110	4" x 6mm £53.20
10/104	3/4"	x 3/16"	£12.52					

AA = 12 x 3mm when stocks gone
BB = 25 x 3mm when stocks gone same price

Round (Free cutting) Per metre unless stated

<u>Code</u>			<u>Code</u>			<u>Code</u>		
10/302	2 mm	£1.50	10/309	7/32"	£3.00	10/332	1 1/8"	£42.90 WSL
10/304	3 mm	£1.45	10/311	1/4"	£2.85	10/334	1 1/4"	£48.00
10/306	4 mm	£1.45	10/313	5/16"	£4.58	10/336	1 1/2"	£70.72
10/310	5 mm	£2.28	10/315	3/8"	£6.50	10/338	1 3/4"	£108.17
10/316	10 mm	£6.50	10/317	7/16"	£8.26	10/339	2"	£120.40
10/325	18mm	£17.88	10/319	1/2"	£9.49	10/340	2 1/4"	£ POA
10/329	25mm	£26.58	10/321	9/16"	£9.85	10/342	2 3/8"	£ POA WSL
10/301	1/16"	£1.50	10/323	5/8"	£17.19	10/344	2 1/2"	£ POA
10/303	3/32"	£1.50	10/326	3/4"	£23.83	10/346	2 3/4"	£ POA
10/305	1/8"	£1.83	10/328	7/8"	£26.13	10/350	3"	£ POA
10/307	5/32"	£2.06	10/330	1"	£29.19	10/354	3 1/2"	£ POA
10/308	3/16"	£3.23						

Square Per metre unless stated

10/201	10mm	£10.05	10/203	12mm	£16.76	10/205	1"	£33.32
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Hexagon (Free Cutting) Per metre unless stated

10/501	0.152"	£5.48	10/505	0.445"	£14.63	10/509	5/8"	£21.78
10/502	0.193"	£5.86	10/506	0.525"	£11.44 WSL	10/510	0.710"	£23.25 WSL
10/503	0.248"	£6.29	10/507	9/16"	£19.84	10/511	0.820"	£29.18
10/504	5/16"	£7.65				10/512		

Stainless Steel cont'd

Tube - Round (Drawn) Per metre unless stated

<u>Code</u>				<u>Code</u>				<u>Code</u>			
10/001	3/16"	x 22g	£12.59	10/005	7/16"	x 20g	£16.10	10/009	3/4"	x 18g	£21.10
10/002	1/4"	x 20g	£9.30	10/006	1/2"	x 18g	£15.02	10/010	1"	x 16g	£25.03
10/003	5/16"	x 20g	£10.73								
10/004	3/8"	x 20g	£13.73	10/008	5/8"	x 18g	£18.56				

Tube - Round (Welded) Per metre unless stated

<u>Code</u>				<u>Code</u>				<u>Code</u>			
10/020	1 1/4"	x 16g	£16.10	10/022	1 3/4"	x 1mm	£16.12	10/024	8mm	x 0.6mm	£7.15
10/021	1 1/2"	x 16g	£16.81	10/023	2"	x 16g	£19.67				

Tube - Square (Welded) Per metre unless stated

10/060 20mm x 20mm x 1.2mm £10.30

Sheet Per 300mm x 300mm area. (Pr. nominal sqare foot)

Code

10/401	26g (0.45mm)	£6.90
10/405	24g (0.55mm)	£7.95
10/402	22g (0.7mm)	£8.80
10/403	18g (1.2mm)	£11.00
10/406	16g (1.6mm)	£14.30

Mesh Per 300mm x 300mm area. (Pr. nominal sqare foot)

10/430	16 mesh x 27g wire	£16.10	10/431	10 mesh x 24g wire	£13.40
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Stainless Wire Price per 3 metres.

24g	£5.80
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Aluminium

Section Per metre unless stated.

<u>Code</u>				<u>Code</u>				<u>Code</u>			
11/101	3/8"	x 1/16"	£0.91	11/114	3/4"	x 3/8"	£3.58	11/127	1 1/2"	x 1"	£27.89
11/102	3/8"	x 1/8"	£1.05	11/115	1"	x 3/8"	£7.15	11/128	2"	x 1"	£41.19
11/103	1/2"	x 1/8"	£1.32	11/116	1 1/2"	x 3/8"	£10.73	11/129	3"	x 1"	£62.21
11/104	3/4"	x 1/8"	£1.65	11/117	2"	x 3/8"	£14.30	11/130	4"	x 1"	£72.93
11/105	1"	x 1/8"	£2.51	11/118	4"	x 3/8"	£21.45	11/131	2"	x 1 1/2"	£55.77
11/106	1 1/2"	x 1/8"	£3.15	11/119	7/8"	x 1/2"	£5.35	11/132	3"	x 1 1/2"	£108.11
11/107	2"	x 1/8"	£4.48	11/120	1"	x 1/2"	£7.30	11/133	4 1/2"	x 1 1/2"	£164.74
11/108	1"	x 3/16"	£3.35	11/121	1 1/2"	x 1/2"	£11.81	11/134	2 1/2"	x 1 3/4"	£77.25
11/109	3/4"	x 1/4"	£3.94	11/122	2"	x 1/2"	£16.75	11/135	2 1/2"	x 2"	£81.71
11/110	1"	x 1/4"	£4.24	11/123	2 1/2"	x 1/2"	£21.45	11/136	3"	x 2"	£ POA
11/111	1 1/4"	x 1/4"	£4.57	11/124	1 1/2"	x 5/8"	£18.88	11/137	3 1/2"	x 2"	£ POA
11/112	2"	x 1/4"	£8.95	11/125	2"	x 5/8"	£23.60	11/138	3"	x 2 3/4"	£ POA
11/113	2 1/2"	x 1/4"	£10.10	11/126	1"	x 3/4"	£11.59	11/139	3 1/2"	x 2 3/4"	£ POA

Round Per metre unless stated

<u>Code</u>			<u>Code</u>			<u>Code</u>		
11/301	1/8"	£0.75	11/310	1 1/4"	£25.74	11/319	3 1/4"	£ POA
11/302	3/16"	£0.95	11/311	1 1/2"	£36.47	11/320	3 1/2"	£ POA
11/303	1/4"	£1.00	11/312	1 5/8"	£40.76	11/321	3 3/4"	£ POA
11/304	5/16"	£1.26	11/313	1 3/4"	£45.05	11/322	4"	£ POA
11/305	3/8"	£2.05	11/314	2"	£43.60	11/323	4 1/4"	£ POA
11/306	1/2"	£3.58	11/315	2 1/4"	£58.35	11/324	4 1/2"	£ POA
11/307	5/8"	£5.63	11/316	2 1/2"	£66.93	11/325	5"	£ POA
11/308	3/4"	£6.85	11/317	2 3/4"	£85.80	11/326	6"	£ POA
11/309	1"	£13.02	11/318	3"	£99.82	11/327	7"	£ POA

Hexagon Per metre unless stated

<u>Code</u>			<u>Code</u>		
11/501	0.445"	£5.37 WSL	11/502	0.525"	£7.65 WSL

Square Per metre unless stated

<u>Code</u>			<u>Code</u>			<u>Code</u>		
11/205	1/4"	£1.10	11/208	5/8"	£4.66	11/211	1 1/4"	£21.39
11/206	3/8"	£3.23	11/209	3/4"	£7.87	11/212	2"	£60.05
11/207	1/2"	£3.35	11/210	1"	£17.88			

Aluminium cont'd

Tube - Round (Drawn or extruded) Per metre unless stated

<u>Code</u>				<u>Code</u>				<u>Code</u>			
11/005	1/4"	x 20g	£3.44	11/012	7/8"	x 18g*	£3.58	11/019	1 1/2"	x 10g	£11.44
11/006	5/16"	x 20g	£3.54	11/013	1"	x 18g*	£4.29	11/020	1 3/4"	x 16g	£10.73
11/007	3/8"	x 18g*	£2.34	11/014	1"	x 16g	£5.00	11/021	2"	x 10g	£13.24
11/008	1/2"	x 18g*	£2.05	11/015	1 1/8"	x 18g*	£6.44	11/022	3 1/4"	x 1/2"	£80.16
11/009	1/2"	x 16g	£2.15	11/016	1 1/4"	x 18g*	£7.15	11/023	3 1/2"	x 10g	£45.38
11/010	5/8"	x 18g*	£2.46	11/017	1 1/4"	x 16g	£8.23				
11/011	3/4"	x 18g*	£3.23	11/018	1 1/2"	x 16g	£10.05				

* Slip fitting, sizes differ by 0.8mm

Tube - Square Per metre unless stated

<u>Code</u>				<u>Code</u>			
11/050	3/4"	x 3/4"	x 16g	£5.05	11/052	1 3/4"	x 1 3/4" x 10g £15.16
11/051	1"	x 1"	x 16g	£6.09			

Convex (Half round) Per metre unless stated

<u>Code</u>			
11/605	3/4" wide	x 3/16" thick	£2.30

Sheet Per 300mm x 300mm area. (approx 1 square foot)

<u>Code</u>				<u>Code</u>				<u>Code</u>			
11/410	22g		£1.65	11/415	4.5mm		£9.44	11/420	10mm		£18.77
11/411	20g		£1.85	11/416	3/16"		£7.70	11/421	12mm		£16.85
11/412	18g		£2.20	11/417	6mm		£11.44	11/422	1/2"		£16.90
11/413	16g		£2.53	11/418				11/423	2mm		£3.57
11/414	3.0mm		£6.40	11/419	5/16"		£12.65	11/424	2.5mm		£5.31

Angle Per metre unless stated

<u>Code</u>					<u>Code</u>				
11/705	1/2"	x 1/2"	x 1/16"	£8.62	11/710	1"	x 1"	x 1/8"	£12.42
11/706	3/4"	x 3/4"	x 1/16"	£9.26	11/711	1 1/2"	x 1 1/2"	x 1/8"	£13.68
11/707	1"	x 1"	x 1/16"	£10.33	11/712	2"	x 1 1/2"	x 3/16"	£15.60
11/708	2 1/4"	x 1 1/4"	x 1/8"	£15.15					
11/709	3/4"	x 3/4"	x 1/8"	£11.35					

Tee section Per metre unless stated

<u>Code</u>					<u>Code</u>				
11/905	3/4"	x 3/4"	x 1/8"	£11.35	11/907	2"	x 1"	x 1/8"	£14.64
11/906	1"	x 1"	x 1/2"	£12.42	11/908	2"	x 2"	x 1/8"	£15.63

Channel Per metre unless stated

<u>Code</u>					<u>Code</u>				
11/805	1/2"	x 1/2"	x 1/8"	£8.32	11/808	3/4"	x 3/4"	x 1/8"	£10.35
11/806	3/4"	x 1/2"	x 1/8"	£8.68	11/809	1 1/2"	x 3/4"	x 1/8"	£11.64
11/807	1"	x 1/2"	x 1/8"	£9.94	11/810	2"	x 1"	x 1/8"	£14.68
					11/811	2"	x 1 1/2"	x 1/8"	£16.74

Rivets - Round Head

Aluminium Price per 100

<u>Code</u>					
30/101	3/16" x 3/4"	£6.18	30/105	1/8" x 3/8"	£4.62

Brass Price per 100

<u>Code</u>			<u>Code</u>			<u>Code</u>		
30/201	1/32" x 1/4"	£3.30	30/204	1/16" x 3/8"	£4.80	30/206	3/16" x 1/4"	£12.76
30/202	1/32" x 3/8"	£4.07	30/205	1/8" x 3/8"	£8.10	30/207	3/16" x 3/8"	£13.20
30/203	3/64" x 1/4"	£3.70						

Copper Price per 100 unless stated (# = price per 10)

<u>Code</u>			<u>Code</u>			<u>Code</u>		
30/301	1/16" x 1/4"	£2.00	30/305	1/8" x 1/2"	£3.58	30/310	3/16" x 3/4"	£15.05
30/302	1/16" x 3/8"	£2.62	30/307	1/8" x 3/4"	£4.87	30/311	3/16" x 3/4"	£1.85 #
30/303	3/32" x 1/2"	£2.97	30/308	1/8" x 1"	£7.76	30/312	3/16" x 1"	£16.56
30/304	3/32" x 1"	£6.80	30/321	3/16" x 3/8"	£14.00	30/313	3/16" x 1"	£2.04 #
30/320	1/8" x 3/8"	£5.30	30/309	3/16" x 1/2"	£12.95	30/314	1/4" x 1 1/4"	£38.20
						30/315	1/4" x 1 1/4"	£5.16 #
						30/316	1/4" x 3/8"	£14.80

Steel Price per (quantity) stated

<u>Code</u>					<u>Code</u>			
30/401	1/16" x 1/2"	(100)	£2.75		30/416	3/16" x 1 1/4"	(50)	£3.17
30/402	3/32" x 1/4"	(100)	£1.95		30/420	1/4" x 1/4"	(100)	£4.73
30/403	3/32" x 1/2"	(100)	£2.97		30/421	1/4" x 1/2"	(50)	£2.95
30/404	3/32" x 3/4"	(100)	£2.18		30/422	1/4" x 3/4"	(50)	£3.25
30/461	1/8" x 1/4"	(100)	£2.25		30/423	1/4" x 7/8"	(50)	£5.56
30/405	1/8" x 5/16"	(100)	£4.14		30/424	1/4" x 1"	(50)	£5.72
30/406	1/8" x 1/2"	(100)	£2.46		30/425	1/4" x 1 1/4"	(50)	£4.46
30/407	1/8" x 3/4"	(100)	£2.60		30/426	1/4" x 1 1/2"	(50)	£4.60
30/408	5/32" x 3/8"	(100)	£3.45		30/427	1/4" x 2"	(50)	£5.65
30/409	3/16" x 1/4"	(100)	£4.32		30/435	5/16" x 3/8"	(75)	£5.80
30/410	3/16" x 3/8"	(100)	£3.36		30/437	5/16" x 1"	(50)	£7.15
30/411	3/16" x 1/2"	(100)	£3.45		30/436	5/16" x 3/4"	(50)	£5.90
30/412	3/16" x 5/8"	(100)	£3.51		30/439	5/16" x 1 1/2"	(50)	£7.55
30/413	3/16" x 3/4"	(100)	£5.32		30/444	3/8" x 1"	(50)	£11.17
30/414	3/16" x 7/8"	(50)	£2.26		30/445	3/8" x 1 1/4"	(50)	£13.60
30/415	3/16" x 1"	(50)	£2.48		30/446	3/8" x 1 3/8"	(50)	£15.48
					30/448	3/8" x 1 3/4"	(50)	£19.25

Countersink Head Steel Price per (quantity) stated

<u>Code</u>					<u>Code</u>			
30/501	3/32" x 3/8"	(100)	£2.30		30/505	1/8" x 1/2"	(100)	£3.08
30/506	5/32" x 3/8"	(100)	£2.50		30/508	1/4" x 1"	(50)	£3.65

Aluminium 1/8 x 3/8 (100) £3.65 WSL

Mushroom Head Steel Price per 100 unless stated

30/510 3/16" x 1" £3.50 WSL

Round head threaded rivets – steel. Price per (quantity) stated

<u>Code</u>		<u>10</u>	<u>100</u>	<u>Code</u>		<u>10</u>	<u>100</u>
30/480	2 BA x 1/2"	£1.42	£11.00	30/486	5 BA x 1"	£1.48	£10.40
30/481	2 BA x 1"	£1.54	£11.90	30/487	6 BA x 1/2"	£1.40	£10.70
30/482	4 BA x 3/8"	£1.31	£9.20	30/488	7 BA x 1/2"	£1.42	£10.00
30/483	4 BA x 5/8"	£1.42	£10.00	30/489	8 BA x 3/8"	£1.48	£10.40
30/484	5 BA x 1/2"	£1.42	£10.00	30/490	10 BA x 1/2"	£1.68	£11.80
30/485	5 BA x 5/8"	£1.42	£10.00				
30/496	1/4" BSF x 1"	£3.35	£25.96	30/497	1/4 BSF x 1 1/4"	£4.41	£33.96

Round head - Brass.

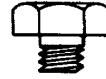
<u>Code</u>		<u>10</u>	<u>100</u>	<u>Code</u>		<u>10</u>	<u>100</u>
30/284	5 BA x 1/2"	£1.68	£11.80	30/289	8 BA x 3/8"	£1.60	£11.20
30/287	6 BA x 1/2"	£1.65	£11.60	30/290	10 BA x 1/2"	£1.77	£12.40

Add 1 to the end of the code for qnty. of 100
EG – 30/2841

Rivets Snaps Price each. **Hardend and temperd tool steel.**

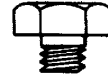
<u>Code</u>			<u>Code</u>			<u>Code</u>		
30/550	1/16"	£5.10	30/553	5/32"	£5.10	30/556	5/16"	£9.02
30/551	3/32"	£5.10	30/554	3/16"	£6.76	30/557	3/8"	£13.53
30/552	1/8"	£5.10	30/555	1/4"	£6.76			

Steel Screws B.A.



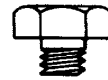
Hexagon Headed (Turned) Small head 1 size smaller

Code		10	100	Code		10	100
40/005	2BA x 1/2"	£1.95	£13.50	40/025	7BA x 3/8"	£1.85	£10.00 wsl
40/006	2BA x 1"	£2.17	£15.25	40/026	7BA x 1/2"	£1.85	£13.00
40/012	4BA x 1"	£2.05	£14.25	40/027	7BA x 3/4"	£2.00	£13.75
40/016	5BA x 3/8"	£1.75	£12.00	40/030	8BA x 1/4"	£1.80	£12.50
40/017	5BA x 1/2"	£1.80	£12.50	40/031	8BA x 3/8"	£1.90	£13.25
40/020	6BA x 3/8"	£2.00	£13.75	40/032	8BA x 1/2"	£1.95	£13.75
40/021	6BA x 1/2"	£2.16	£15.40	40/033	8BA x 3/4"	£2.15	£15.00
40/022	6BA x 3/4	£2.20	£15.80				
40/023	6BA x 1"	£2.25	£15.90				



Hexagon Headed (Turned) Standard size head

Code		10	100	Code		10	100
40/069	2BA x 1/2"	£2.10	£14.75	40/042	8BA x 1/8"	£1.50	£10.50
40/070	2BA x 3/4"	£2.21	£15.50	40/043			
40/071	2BA x 1"	£2.28	£16.45	40/045	8BA x 1/2"	£1.82	£12.75
40/081	4BA x 3/4"	£2.10	£14.75	40/054	8BA x 3/4"	£2.00	£14.00
40/082	4BA x 1"	£2.40	£15.25	40/055	8BA x 1"	£2.15	£15.00
40/084	4BA x 1 1/2"	£2.64	£16.00	40/046	10BA x 1/4"	£1.82	£12.75
40/085	5BA x 1/2"	£1.90	£13.25	40/047	10BA x 3/8"	£1.90	£13.25
40/040	5BA x 3/4"	£2.00	£12.25	40/048	10BA x 1/2"	£2.00	£13.75
40/052	5BA x 1"	£2.05	£14.25	40/056	10BA x 3/4"	£2.21	£15.50
40/089	6BA x 1/2"	£1.75	£12.25	40/049	12BA x 1/4"	£2.05	£14.25
40/090	6BA x 3/4"	£1.85	£13.00	40/050	12BA x 3/8"	£2.10	£14.75
40/053	6BA x 1"	£1.92	£13.50	40/051	12BA x 1/2"	£2.20	£15.25
40/041	6BA x 1 1/2"	£4.40	£36.55				



Hexagon Headed (Forged) Standard size head

Code		10	100	Code		10	100
40/066	0BA x 1 1/2"	£2.16	£17.28	WSL	4BA x 3/4	£1.10	£9.00
40/068	1BA x 1 1/2"	£2.20	£17.60	WSL	4BA x 1	£1.20	£9.30
WSL	2BA x 5/8	£1.75	£10.75	WSL	4BA x 1 1/2	£2.00	£14.00
WSL	2BA x 3/4	£2.00	£11.25	WSL	5BA x 1/4	£1.50	£8.00
40/073	2BA x 1 3/8 (H.T)	£2.20	£17.60		6BA x 7/16	£1.50	£8.00
40/076	3BA x 1/2"	£2.20	£17.60		6BA x 3/4	£1.00	£7.50
40/078					6BA x 1	£1.50	£9.25
40/080	4BA x 1/2"	£0.70	£5.60	40/091	6BA x 1 1/2"	£1.62	£12.96

Screwed BA Rod (Steel)

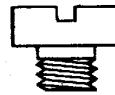
Per 300mm length

40/705	2 BA	£2.60	40/720	5 BA	£2.90	40/735	8 BA	£6.20
40/710	3 BA	£3.30	40/725	6 BA	£2.70	40/740	10 BA	£7.40
40/715	4 BA	£2.60	40/730	7 BA	£5.20			

Studs Qty 10

Code			Code		
A267	2 BA x 7/8"	£3.52	A268	2 BA x 1"	£3.52

Steel Screws cont'd



Cheese Head

<u>Code</u>		<u>10</u>	<u>100</u>	<u>Code</u>		<u>10</u>	<u>100</u>
40/120	2 BA x 1/2"	£0.48	£2.86	40/163	6 BA x 1 3/8"	£0.96	£6.16
40/121	2 BA x 1"	£0.52	£3.08		6 BA x 1 1/2"	£1.00	£7.00
40/124	2 BA x 1 1/2"	£0.60	£3.85	40/165	7 BA x 1/2"	£1.26	£9.24
40/122	2 BA x 1 3/4"	£0.72	£4.40	40/172	8 BA x 1/4"	£0.55	£3.47
40/130	3 BA x 1/4"	£0.50	£4.50	40/175	8 BA x 1/2"	£0.76	£5.55
40/131	3 BA x 1 1/2"	£1.56	£13.60	40/177	8 BA x 7/8"	£0.86	£6.60
40/140	4 BA x 3/8"	£0.40	£2.65	40/180	10 BA x 1/4"	£0.96	£7.04
40/141	4 BA x 1/2"	£0.40	£2.65	40/181	10 BA x 1/2"	£1.50	£10.25
40/142	4 BA x 1 3/4"	£1.08	£7.92	40/182	10 BA x 5/8"	£1.05	£6.60
40/143	4 BA x 2"	£1.20	£8.80	40/184	10 BA x 7/8"	£1.62	£11.44
40/150	5 BA x 1/2"	£0.60	£3.85	40/190	11 BA x 1/2"	£1.20	£9.90
40/151	5 BA x 3/4"	£0.84	£6.16				
	6 BA x 3/16"	£0.50	£4.00				
40/160	6 BA x 1/2"	£0.50	£4.00				
40/161	6 BA x 3/4"	£0.72	£4.62				
	6 BA x 7/8"	£0.73	£5.02				
40/162	6 BA x 1"	£0.85	£5.39				



Round Head

<u>Code</u>		<u>10</u>	<u>100</u>	<u>Code</u>		<u>10</u>	<u>100</u>
40/205	1 BA x 2"	£1.00		40/229	5 BA x 1 1/2"	£1.44	
40/210	2 BA x 1/4"*	£0.50	£3.08 wsl	40/235	6 BA x 1/2"	£0.30	£2.31
40/211	2 BA x 1/2"	£0.50	£3.08	40/236	6 BA x 3/4"	£1.15	£7.90
40/212	2 BA x 5/8"	£0.36	£2.70	40/237	6 BA x 1"	£0.60	£4.62
40/213	2 BA x 1"	£0.66	£5.39	40/245	8 BA x 3/32"*	£0.30	£2.64
40/216	3 BA x 3/4"	£0.60		40/247	8 BA x 1/4"	£0.46	£3.74
40/220	4 BA x 1/2"	£0.44	£2.86	40/248	8 BA x 3/8"*	£0.50	£4.40
40/221	4 BA x 9/16"	£0.44	£2.86 wsl	40/249	8 BA x 1/2"*	£0.55	£4.40
40/224	4 BA x 2"	£1.00	£8.00	40/250	8 BA x 3/4"	£0.60	£4.62
40/225	5 BA x 1/2"	£0.60		40/255	10 BA x 1/4"	£0.95	£7.50
40/226	5 BA x 3/4"	£0.96	40/256 10 BA x 1/2"		£1.00	£7.75	
40/227	5 BA x 7/8"	£0.72	£4.62 wsl				
40/228	5 BA x 1"	£0.85	£5.39				

* Plated

Socket Head Cap

Price each

40/420	2BA x 1/2"	£0.22	40/426	2BA x 2 1/2"	£0.60	40/434	4BA x 1"	£0.26
40/421	2BA x 5/8"	£0.22	40/430	4BA x 1/4"	£0.22	40/440	5BA x 3/8"	£0.26
40/423	2BA x 1"	£0.22	40/431	4BA x 7/16"	£0.22	40/441	5BA x 1"	£0.55
40/424	2BA x 1 1/2"	£0.41	40/432	4BA x 5/8"	£0.22	40/445	6BA x 1/4"	£0.22
40/425	2BA x 2"	£0.51	40/433	4BA x 3/4"	£0.22			
40/422	2BA x 3/4"	£0.22						

Steel Screws cont'd



Countersink

<u>Code</u>		<u>10</u>	<u>100</u>		<u>Code</u>	<u>10</u>	<u>100</u>
40/310	2 BA x 3/8"	£0.44	£3.19	wsl	40/341	6 BA x 1/2"	£0.48 £3.30
40/311	2 BA x 1/2"	£0.44	£3.19		40/342	6 BA x 3/4"	£0.72 £4.62
40/312	2 BA x 5/8	£0.55	£3.50		40/343	6 BA x 1"	£0.94 £6.60
40/313	2 BA x 1"	£0.60			40/350	7 BA x 5/8"	£1.80 £13.20 wsl
40/314	2 BA x 2"	£0.72	£5.28		40/355	8 BA x 3/16"	£0.42 £3.08 wsl
	3 BA x 1/2	£0.50	£3.55		40/356	8 BA x 1/4"*	£0.42 £3.08 wsl
40/321	3 BA x 1"	£0.72	£5.28		40/359	8 BA x 1/2"	£1.31 £10.50
40/325	4 BA x 1/2"	£0.42	£3.30			8 BA x 5/8"*	£0.75 £4.25
40/326	4 BA x 1"	£1.20	£9.36		40/361	8 BA x 1"	£1.20 £8.80
40/327	4 BA x 1 5/8"	£1.40	£12.10			9 BA x 3/8	£1.20 £8.80
40/330	5 BA x 3/8"	£0.48	£3.52	wsl	40/370	9 BA x 7/16"	£1.20 £8.80
40/331	5 BA x 1/2"	£0.72	£5.17		40/375	10 BA x 1/4"	£1.26 £10.10
40/332	5 BA x 1"	£0.72	£4.40		40/376	10 BA x 1/2"	£1.38 £9.05
40/340	6 BA x 3/8"	£0.36	£2.20	wsl		12 BA x 1/4	£1.30 £9.00

* Plated

Socket Head Countersink

<u>Price Each</u>								
40/520	2 BA x 1/4"	£0.30	40/530	4 BA x 1/4"	£0.30	40/540	6 BA x 1/4"	£0.30
40/521	2 BA x 1/2"	£0.30	40/531	4 BA x 3/8"	£0.30	40/541	6 BA x 3/8"	£0.43
40/522	2 BA x 5/8"	£0.30	40/532	4 BA x 1/2"	£0.30	40/542	6 BA x 1/2"	£0.43
40/525	3 BA x 3/4"	£0.43	40/535	5 BA x 1/2"	£0.43			

Socket Head Grub

<u>Price Each</u>								
40/620	2 BA x 1/4"	£0.22	40/631	4 BA x 1/4"	£0.22	40/640	6 BA x 3/16"	£0.22
40/621	2 BA x 1/2"	£0.22	40/632	4 BA x 5/8"	£0.30	40/641	6 BA x 1/4"	£0.22
40/630	4 BA x 3/16"	£0.22	40/635			40/642	6 BA x 3/8"	£0.22
						40/643	6 BA x 1/2"	£0.25

Hexagon Full Nuts (Steel)

<u>Code</u>		<u>10</u>	<u>100</u>	<u>Code</u>	<u>10</u>	<u>100</u>
40/805	0BA	£0.60	£4.95	40/819	7BA	£0.90 £7.20
40/809	2BA	£0.63	£5.00	40/821	8BA	£0.86 £4.80
40/812	3BA	£0.63	£5.00	40/823	9BA	£0.98 £7.04
40/813	4BA	£0.58	£4.60	40/825	10BA	£0.98 £7.80
40/815	5BA	£0.55	£4.40	40/827	12BA	£0.98 £7.04
40/817	6BA	£0.68	£4.07			40/829 14BA
	£2.04	£16.50				
40/845	5/32" x 32	£0.48	WSL			
40/840						

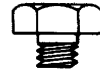
Add 1 to the end of the code for qty. of 100

eg. **40/8171**

Stainless Screws

Hexagon Headed Standard size head Price each

<u>Code</u>			<u>Code</u>		
41/022	4BA x 1"	£0.55	41/036	8BA x 1/2"	£0.55



Cheese Head Price Each

<u>Code</u>			<u>Code</u>			<u>Code</u>		
41/120	4BA x 1/4"	£0.36	41/130	8BA x 3/16"	£0.48	41/145	10BA x 1/4"	£0.56
41/121	4BA x 1/2"	£0.44	41/135	8BA x 3/4"	£0.63	41/146	10BA x 1/2"	£0.63
41/122	4BA x 1"	£0.53	41/140	9BA x 3/8"	£0.68			



Round Head Price Each (WSL).

<u>Code</u>		
41/210	2BA x 1/2"	£0.30



Countersink Price each

<u>Code</u>			<u>Code</u>			<u>Code</u>		
41/310	2BA x 1"	£0.63	41/317	4BA x 5/8" wsl	£0.35	41/325	5BA x 1/4"	£0.44
41/315	4BA x 1/4"	£0.36	41/318	4BA x 3/4"	£0.56	41/330	6BA x 3/8" wsl	£0.44
41/316	4BA x 1/2"	£0.53	41/319	4BA x 1"	£0.58	41/341	8BA x 3/4"	£0.58



Hexagon Full Nuts (Stainless) Price Each

<u>Code</u>			<u>Code</u>			<u>Code</u>		
41/815	2BA	£0.22	41/830	5BA	£0.22	41/835	6BA	£0.22
41/825	4BA	£0.22						

Bronze BA Screws Hexagon head

<u>Code</u>		<u>Each</u>	<u>Pr 10</u>	<u>Code</u>		<u>Each</u>	<u>Pr 10</u>
43/006	2BA x 1"	£1.58	£9.63	43/016	4BA x 1"	£1.49	£8.00

Hexagon full nuts Pr packet of 10

43/810	2BA	£4.12
43/820	4BA	£2.31

Brass Screws

Cheese Head

Code		<u>10</u>	<u>100</u>	Code		<u>10</u>	<u>100</u>
42/110	2BA x 9/16"	£1.20	£7.70	42/131	7BA x 3/4"	£1.50	£11.00
	2 BA x 1 1/8"	£1.70	£13.75	42/136	8BA x 1/4"	£0.55	£3.47
42/116	4BA x 1/2"	£0.50	£3.08		8 BA x 3/8"	£0.60	£4.50
42/120	5BA x 1/2"	£0.84	£5.39	42/140	8BA x 1/2"	£0.72	£4.62
	5 BA x 5/8"	£1.00	£8.00	42/150	10BA x 3/8"	£1.62	£11.06
42/121	5BA x 3/4"	£1.00	£8.00	42/151	10BA x 3/4"	£1.88	£15.00
42/126	6BA x 1/2"	£0.54	£3.52	42/152	10BA x 1"	£2.16	£13.86
42/128	6BA x 5/8"	£0.66	£4.24		12BA x 3/8"	£2.00	£14.30
42/127	6BA x 3/4"	£0.96	£6.16		2BA x 1"	£1.76	£14.08



Round Head

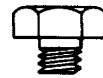
Code		<u>10</u>	<u>100</u>	Code		<u>10</u>	<u>100</u>
42/205	1BA x 3/8"	£0.96	£7.04 wsl	42/232	6BA x 3/4"	£1.44	£10.56
42/210	2BA x 1/4"	£0.72	£4.62	42/233	6BA x 1 1/4"	£1.40	£8.60
42/220	4BA x 3/8"	£1.38	£11.00	42/240	8BA x 1/4"	£1.20	£8.14
42/222	4BA x 1"	£2.70	£17.50	42/241	8BA x 1/2"	£1.44	£10.34
42/225	5BA x 5/8"	£1.44	£11.0	42/242	8BA x 3/4"	£1.44	£10.56
42/230	6BA x 1/4"	£1.00	£7.48	42/250	10BA x 1/4"	£1.00	£8.10
42/231	6BA x 1/2"	£0.48	£3.52		10 BA x 1/2"	£1.50	£9.75
	* Plated			42/260	12BA x 1/2"	£1.57	£12.76



Hexagon Head (Standard size head)

Price per 10 unless stated

42/014	2BA x 1"	£2.82	42/025	6BA x 3/8"	£1.60
42/016	4BA x 3/8"	£1.44		6 BA x 1/2"	£1.70
42/020	5BA x 1/2"	£1.65	42/026	8BA x 1/2"	£1.55



Countersink

Code		<u>10</u>	<u>100</u>	Code		<u>10</u>	<u>100</u>
	0 BA x 1 1/2"	£1.00 each	wsl	42/340	7BA x 1/4"	£1.44	£9.24
42/310	1BA x 1 1/2"	£0.72 each	wsl		7 BA x 5/8"	£1.50	£9.25
42/315	2BA x 3/8"	£0.75	£6.00	42/345			
	2BA x 11/16"	£0.60	£4.40	42/347	8BA x 1/4"	£1.20	£8.14
42/317	2BA x 1"	£1.68	£12.10	42/348	8BA x 1/2"	£1.44	£10.34
42/320	2BA x 1 3/4"	£2.10	£15.40	42/349	8BA x 1"	£1.68	£12.10
42/325	4BA x 3/8"	£1.34	£10.70	42/357	10BA x 1/4"	£1.26	£10.10
42/326	4BA x 1/2"	£0.60	£4.40	42/359	10BA x 1/2"	£1.20	£8.80
42/330	5BA x 1/2"	£0.60	£4.40	42/361	10BA x 3/4"	£1.92	£13.20
42/335	6BA x 1/4"	£1.13	£9.00	42/365	12BA x 1/2"	£1.32	£9.90
42/336	6BA x 1/2"	£0.55	£3.96	42/370	14BA x 1/4"	£2.56	£18.70
42/337	6BA x 3/4"	£1.18	£9.24				
	* Plated						



Add 1 to the end of the code for qty. of 100
eg. 42/1311

Brass Screws cont'd

Screwed BA Rod Per 300mm length

<u>Code</u>			<u>Code</u>			<u>Code</u>		
42/715	2BA	£2.40	42/725	4BA	£3.40	42/740	7BA	£4.60
42/720	3BA	£2.80	42/730	5BA	£3.00	42/745	8BA	£6.60
			42/735	6BA	£3.40	42/750	10BA	£7.60

Full Nuts

<u>Code</u>		<u>10</u>	<u>100</u>	<u>Code</u>		<u>10</u>	<u>100</u>
42/812	1BA	£0.60	£4.95	42/826	8BA	£0.80	£4.40
42/814	2BA	£0.60	£4.40	42/828	9BA	£1.20	£7.70
42/816	3BA	£0.50	£4.40	42/830	10BA	£1.01	£8.10
42/818	4BA	£0.63	£5.12	42/832	12BA	£1.00	£8.03
42/820	5BA	£0.50	£3.52	42/834	14BA	£1.50	£8.80
42/822	6BA	£0.50	£3.52				
42/824	7BA	£0.65	£4.40				

Half Nuts

<u>Code</u>		<u>10</u>	<u>100</u>	<u>Code</u>		<u>10</u>	<u>100</u>
42/850	2BA	£0.60	£5.05	42/856	5BA	£0.60	£5.05
42/852	3BA	£1.00	£8.00	42/862	8BA	-	-
42/854	4BA	£0.60	£5.05				
	1/8" x 40 TPI	£0.48					

Add 1 to the end of the code for qty. of 100

eg. 42/3351

Metric

<u>Code</u>				
A263	M10 x 20 button head cap screws (steel)	£0.85 each		
A220	M6 x 20mm hex head bolts (brass)	£2.06 Pr. 10		
	M4 x 6mm socket grub screws (steel)	£0.50 Pr. 10	£2.60 Pr. 100	
	M6 x 10mm socket countersunk (steel)	£1.15 Pr. 10	£9.10 Pr. 100	
	M6 x 6mm socket grub screws (steel)	£0.87 Pr. 10	£6.62 Pr. 100	
	M4 nuts	£0.50 Pr. 10	£2.60 Pr. 100	
	M6 nuts	£0.60 Pr. 10	£4.95 Pr. 100	

Selection of metric nuts and bolts available – please ring for details

Steel Fasteners BSF.

Hexagon Headed

<u>Code</u>		<u>10</u>	<u>100</u>	<u>Code</u>	<u>10</u>	
A257	1/4" x 1/2"	£2.40	£17.60			
A258	1/4" x 3/4"	£2.64	£19.36	5/16" x 1 5/8"	£5.04	wsl
A259	1/4" x 1"	£2.88	£21.12	3/8" x 1 3/4"	£6.18	wsl
	1/4" x 1 1/4"	£3.84	£30.80	3/8" x 4"	£9.96	wsl
				1/2" x 5"	£12.30	wsl

Socket cap head

<u>Code</u>		<u>10</u>	<u>100</u>	<u>Code</u>	<u>10</u>	
	1/4" x 1"	£3.36	£24.64	5/16" x 1"	£5.40	wsl
	1/4" x 1 1/2"	£3.60	£26.40	1/2" x 3 1/2"	£8.64	wsl
	5/16" x 1/2"	£4.80				

Studs Qty 10

<u>Code</u>			<u>Code</u>		
A260	1/4" x 1"	£8.82	A260/1	5/16" x 1 3/8"	£9.66
A261	1/4" x 1 1/4"	£9.06			

Nuts

<u>Code</u>		<u>10</u>	<u>100</u>	<u>Code</u>	<u>10</u>	<u>100</u>
	3/16" wsl	£0.60	£3.70	A238	5/16"	£0.95
A237	1/4"	£0.70	£4.23		3/8"	£1.16
						£9.24

Grubscrews Qty 10

A262	1/4" x 1/4"	£2.05		1/4" x 3/8"	£2.22
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Button head cap screws Price each

A264	1/4" x 3/4"	£0.95
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Balls.

Stainless steel balls. (316 stainless)

<u>Code</u>	<u>Size</u>	<u>Qty</u>	<u>Price</u>	<u>Code</u>	<u>Size</u>	<u>Qty</u>	<u>Price</u>
	1/16" dia.	4	£0.86	A71	5/16" dia	3	£1.62
	3/32" dia	4	£0.86	A72	11/32" dia	3	£1.75
A65	1/8" dia.	4	£0.86	A73	3/8" dia	3	£1.92
A66	5/32" dia	4	£0.86	A74	7/16" dia	2	£3.20
A67	3/16" dia	4	£1.14	A75	1/2" dia	2	£3.50
A68	7/32" dia	4	£1.14	A75/1	9/16" dia	1	£2.56
A69	1/4" dia	4	£1.14	A76	5/8" dia	1	£3.96
A70	9/32" dia	4	£1.44	A77	3/4" dia	1	£5.79

Larger sizes available - details on application.

Bronze balls

<u>Code</u>	<u>Size</u>	<u>Qty</u>	<u>Price</u>	<u>Code</u>	<u>Size</u>	<u>Qty</u>	<u>Price</u>
	1/8" dia	4	£1.20		7/16" dia	2	£3.92
	5/32" dia	4	£1.54		1/2" dia	1	£2.30
	3/16" dia	4	£1.75		9/16 dia	1	£9.06
	7/32" dia	2	£1.24		5/8" dia	1	£9.87
	1/4" dia	2	£1.24		3/4" dia	1	£12.00
	5/16" dia	2	£1.83		7/8" dia	1	£12.76
	3/8" dia	2	£2.73				

Larger sizes available - details on application.

Washers.**Plain** Packets of 100 for steel. For other materials, packets of 20.

	<u>Brass</u>	<u>Stainless</u>	<u>Steel</u>	<u>Fibre</u>	<u>Copper</u>
0BA	£1.00	£	£1.20	£1.00	£1.46
1BA	£1.00	£	£	£	£
2BA	£1.00	£	£1.20	£0.90	£0.90
3BA	£0.90	£	£	£	£
4BA	£0.90	£	£1.00	£	£
5BA	£0.80	£	£1.50	£	£0.90
6BA	£0.80	£	£1.60	£	£
7BA	£0.80	£	£	£	£
8BA	£0.80	£	£1.70	£0.90	£
9BA	£0.80	£	£	£	£
10BA	£0.80	£	£1.80	£	£
12BA	£0.80	£	£	£	£
1/8"	£0.80	£	£1.00	£	£0.90
5/32"	£	£	£	£	£0.90
3/16"	£1.00	£	£1.00	£0.75	£0.90
1/4"	£1.00	£	£1.00	£1.00	£1.46
5/16"	£1.10	£	£1.20	£	£2.05
3/8"	£1.10	£	£1.40	£1.05	£2.56
7/16"	£1.15	£	£	£1.15	£
1/2"	£1.20	£	£	£1.25	£
5/8"	£	£	£	£1.65	£
3/4"	£1.80		£4.50		

Copper washers.**'Z' section Crushable.**

<u>Code</u>	<u>Size</u>	<u>Qty</u>		<u>Code</u>	<u>Size</u>	<u>Qty</u>	
44/011	5/16" ID	10	£4.09	44/018	3/8" BSP	10	£4.09
44/012	3/8" ID 1/8BSP	10	£3.23	44/019	1/2" BSP	10	£5.16
44/013	7/16" ID	10	£3.23	44/020	5/8" BSP	5	£3.50
44/014	1/2" ID 1/4BSP	10	£3.23	44/021	3/4" BSP.	2	£2.50
44/015	9/16" ID	10	£3.23	44/022	1" BSP	2	£3.10
44/016	11/16" ID	10	£3.23				

Copper Shim Washers (5 off each thicknes 5 thou, 10 thou, 15 thou and 20 thou).

<u>Code</u>	<u>Size</u>		<u>Code</u>	<u>Size</u>	
44/030	1/8" ID	£2.00	44/035	5/16" ID	£3.07
44/031	5/32" ID	£2.25	44/036	3/8" ID	£3.39
44/032	3/16" ID	£2.50	44/037	7/16" ID	£3.52
44/033	7/32" ID	£2.65	44/038	1/2" ID	£3.60
44/034	1/4" ID	£2.90			

BSP Copper sealing washers – 0.048" thick

Quantity – 10 pr packet

44/040	1/8 BSP	£1.27	44/042	3/8 BSP	£3.32
44/041	1/4 BSP	£1.94	44/043	1/2 BSP	£2.96

NOTE Please see page 28 regarding BSP sizes.

Taps and Dies

B. A. (British Association) taps, dies and tapping drills. All price each.						
B.A. size	Nom. dia. Inch Approx T. P. I.	Tapping drill	Carbon Steel		H. S. S.	
			Tap	Die	Tap	Die
0 B. A.	0.236" -- 25.4 tpi.	5.10mm	£2.30	£5.30	£10.54	£29.75
1 B. A.	0.208" -- 28.2 tpi.	4.50mm	£2.30	£5.30	£16.00	£36.81
2 B. A.	0.185" -- 31.4 tpi.	4.00mm	£2.05	£4.62	£6.35	£26.97
3 B. A.	0.161" -- 34.8 tpi.	3.40mm	£2.30	£5.30	£14.66	£34.67
4 B. A.	0.141" -- 38.5 tpi.	3.00mm	£2.05	£4.62	£6.35	£26.97
5 B. A.	0.126" -- 43.0 tpi.	2.65mm	£2.14	£5.10	£11.51	£38.26
6 B. A.	0.110" -- 47.9 tpi.	2.30mm	£2.05	£5.10	£7.23	£29.68
7 B. A.	0.098" -- 52.9 tpi.	2.05mm	£3.50	£10.20		
8 B. A.	0.086" -- 59.1 tpi.	1.80mm	£2.41	£9.15	£13.17	£34.67
9 B. A.	0.074" -- 65.1 tpi.	1.55mm	£4.61	£11.45		
10 B. A.	0.066" -- 72.6 tpi.	1.40mm	£4.61	£11.45		
11 B. A.	0.059" -- 81.9 tpi.	1.20mm	£	£14.05		
12 B. A.	0.051" -- 90.9 tpi.	1.05mm	£10.76	£14.05		
14 B. A.	0.039" -- 109.9tpi	0.80mm	P O A	P O A		

Metric taps, dies and tapping drills. All price each.						
Size, mm.	Pitch, mm.	Tapping drill,	Carbon steel.		H.S.S.	
			Tap	Die	Tap	Die
1.4 mm	0.30 mm	1.10 mm			£15.57	
2.00 mm	0.40 mm	1.60 mm	£2.36	£6.85	£10.86	£29.14
2.50 mm	0.45 mm	1.75 mm	£2.236	£6.16	£9.06	£29.35
3.00 mm	0.50 mm	2.50 mm	£2.15	£5.07	£5.92	£17.02
3.50 mm	0.60 mm	2.90 mm			£6.75	£21.40
4.00 mm	0.50 mm **	3.50 mm	£2.15	£5.78		
4.00 mm	0.70 mm	3.30 mm	£1.88	£4.53	£5.35	£17.07
5.00 mm	0.80 mm	4.20 mm	£1.78	£4.53	£5.68	£17.07
6.00 mm	1.00 mm	5.00 mm	£1.78	£4.53	£5.78	£17.07
8.00 mm	1.00 mm **	7.00 mm	£2.36	£6.85		
8.00 mm	1.25 mm	6.80 mm	£2.15	£6.32	£6.32	£20.05
10.00 mm	1.00 mm **	9.00 mm	£	£		
10.00 mm	1.25 mm **	8.75 mm	£	£		
10.00 mm	1.50 mm	8.50 mm	£2.36	£6.53	£8.25	£20.05
12.00 mm	1.00 mm **	11.00 mm	£	£		
12.00 mm	1.75 mm	10.20 mm	£7.39	£7.39	£11.66	£29.14
16.00 mm	2.00 mm	14.00 mm			£17.25	
20.00 mm	2.50 mm	17.50 mm	£8.08		£28.55	

NOTE - ** denotes non standard size.

British Standard Pipe Thread. Parallel. (B.S.P.) All price each.							
Size	T.P.I.	OD of thread	Tapping drill	Carbon steel		H. S. S.	
				Tap	Die	Tap	Die
1/8" BSP	28 tpi.	0.383"	8.80mm	£6.85	£6.80	£10.70	£15.00
1/4" BSP	19 tpi.	0.518"	11.80mm	£8.00	£10.13		
3/8" BSP	19 tpi.	0.656"	15.25mm	£8.75	£13.77		
1/2" BSP	14 tpi.	0.825"	19.00mm	£9.25	£14.84		
3/4" BSP	14 tpi.	1.041"	24.50mm		£19.08		

British Standard Taper Pipe Thread (B.S.P.T.) available, details and price on application.

Taps and Dies continued.

26 TPI taps, dies and tapping drills. All price each.					
Size	Tapping drill,	Carbon Steel		H.S.S.	
		Tap	Die	Tap	Die
1/4 dia.	5.6mm	£ 3.05	£ 6.05	£ 6.06	£ 17.66
5/16 dia.	7.1mm	£ 3.32	£ 7.34	£ 11.83	£ 23.55
3/8 dia.	8.7mm	£ 3.91	£ 7.34	£ 15.52	£ 23.55
7/16 dia.	10.3mm	£ 4.87	£ 9.36	£ 19.26	£ 23.55
1/2 dia.	11.8mm	£ 5.31	£ 9.35	£ 19.26	£ 23.55
9/16 dia		£ 6.72	£ 11.53	£ 21.46	£ 36.12
5/8 dia	15.0mm	£ 7.37	£ 17.28	£ 24.35	£ 44.09
3/4 dia.	18.1mm	£	£ 24.44	£ 33.28	£ 66.34

32 TPI taps, dies and tapping drills. All price each					
Size	Tapping drill,	Carbon steel		H.S.S	
		Tap	Die	Tap	Die
5/32 dia		£ 2.72	£ 5.78	£	£
3/16 dia		£ 2.72	£ 4.61	£ 9.86	£ 27.56
1/4 dia	5.6mm	£ 3.78	£ 7.23	£	£
9/32 dia	6.4mm	£	£ 7.23	£ 11.51	£ 25.15
5/16 dia	7.2mm	£ 3.78	£ 7.23	£ 16.86	£ 25.15
3/8 dia	8.8mm	£ 4.68	£ 7.23	£ 19.21	£ 25.15
7/16 dia	10.4mm	£ 5.89	£ 10.76	£ 19.48	£ 25.15
1/2 dia	12.0mm	£ 6.64	£ 10.76	£ 19.48	£ 25.15

40 TPI taps, dies and tapping drills. All price each.					
Size	Tapping drill,	Carbon Steel		H.S.S.	
		Tap	Die	Tap	Die
1/8 dia.	2.6mm	£ 2.47	£ 4.77	£ 9.90	£ 18.52
5/32 dia.	3.4mm	£ 2.57	£ 5.33	£ 19.26	£ 39.60
3/16 dia.	4.2mm	£ 2.57	£ 5.33	£ 15.79	£ 39.60
7/32 dia.	5.0mm	£ 2.57	£ 5.33	£ 16.32	£ 39.60
1/4 dia.	5.7mm	£ 2.57	£ 5.33	£ 10.97	£ 22.47
5/16 dia.	7.3mm	£ 3.78	£ 9.51	£ 16.59	£ 25.15
3/8 dia	8.9mm	£ 4.68	£ 9.51	£ 19.26	£ 25.15
7/16 dia		£ 5.25	£ 10.76	£ 16.32	£ 25.15
1/2 dia.		£ 6.15	£ 10.76	£ 19.59	£ 25.42

BSF, BSW taps, dies and tapping drills. All price each.						
Size	Pitch	Tapping drill,	Carbon steel		H.S.S	
			Tap	Die	Tap	Die
1/4 BSF	26 TPI	5.5mm	£ 2.84	£ 5.37	£ 5.46	£ 17.70
5/16 BSF	22 TPI	6.9mm	£ 2.89	£ 6.53	£ 6.42	£ 17.70
3/8 BSF	20 TPI	8.4mm	£ 3.21	£ 7.50	£ 8.03	£ 17.70
1/4 BSW	20 TPI	5.3mm	£ 2.95	£ 6.48	£ 5.46	£ 17.70
5/16 BSW	18 TPI	6.7mm	£ 3.00	£ 6.64	£ 6.42	£ 17.70
3/8 BSW	16 TPI	8.2mm	£ 3.32	£ 7.60	£ 8.05	£ 17.70

Other sizes available, please contact us. BSF, BSW, UNF,UNC.

Milling cutters.

H.S.S. Slot drills and End mills. Screwed shank								
Dia of cutter. mm.	Shank size mm.	Slot drill. Price each.	End mill. Price each.		Dia of cutter. Inch.	Shank size Inch.	Slot drill. Price each.	End mill. Price each.
1.5mm	6 mm	£10.60			1/16"	1/4"	£12.30	
2 mm	6 mm	£10.63	15.90		3/32"	1/4"	£12.50	£12.75
2.5 mm	6 mm	£10.63			1/8"	1/4"	£11.70	£10.85
3 mm	6 mm	£10.63	£10.63		5/32"	1/4"	£11.70	£12.75
3.5 mm	6 mm	£11.20			3/16"	1/4"	£11.70	£10.85
4 mm	6 mm	£10.63	£10.63		7/32"	1/4"	£11.87	£11.90
5 mm	6 mm	£10.63	£10.63		1/4"	1/4"	£11.48	£10.89
5.5 mm	6 mm		£16.90					
6 mm	6 mm	£10.63	£10.63		9/32"	3/8"	£12.68	£15.27
6.5 mm	10 mm	£11.25			5/16"	3/8"	£10.30	£10.60
7 mm	10 mm	£10.63	£10.63		11/32"	3/8"		£15.27
7.5 mm	10 mm		£10.63		3/8"	3/8"	£10.63	£10.25
8 mm	10 mm	£10.21	£9.55		7/16"	1/2"	£12.95	£15.19
10 mm	10 mm	£11.06	£9.75		1/2"	1/2"	£12.70	£12.90
11 mm	12 mm	£11.06			9/16"	5/8"	£15.55	£15.85
12 mm	12 mm	£11.60	£11.75		5/8"	5/8"	£17.05	£17.30

Circular Die Stocks

13/16"	£3.50	1"	3.75	1 5/16"	£5.65	1 1/2"	£6.90
2"	£14.35	2 1/4"	£40.00	3"	£65.00	4"	£130.00

Adjustable Tap Wrenches

No 0	1/16 – 1/4	£4.60	No 1	1/16 – 5/16	£5.65
No 2	5/32 – 1/2	£9.00	No 3	7/32 – 3/4	£12.95

Center drills.

Size	Body Dia.	Pilot Dia.	Price
BS 1	1/8"	3/64"	£1.95
BS 2	3/16"	1/16"	£2.10
BS 3	1/4"	3/32"	£3.38
BS 4	5/16"	1/8"	£3.45
BS 5	7/16"	3/16"	£7.70
BS 6	5/8"	1/4"	£17.25

H.H.S. Straight shank twist drills.

Size	Price each	Size	Price each	Size	Price each
1/64	£1.85	3/16	£1.40	23/64	£3.85
1/32	£1.59	13/64	£1.50	3/8	£4.25
3/64	£1.40	7/32	£1.45	25/64	£4.55
1/16	£1.10	15/64	£1.85	13/32	£3.55
5/64	£1.12	1/4	£2.40	27/64	£4.95
3/32	£0.50	17/64	£1.90	7/16	£4.75
7/64	£1.13	9/32	£1.80	29/64	£5.25
1/8	£1.15	19/64	£2.40	15/32	£5.45
9/64	£1.10	5/16	£1.85	31/64	£6.30
5/32	£1.10	21/64	£2.40	1/2	£5.85
11/64	£1.20	11/32	£2.35		

Number and letter drills – WSL.

Metric Drills. Price each, Other sizes available, please contact us.

<u>Size</u>	<u>Price</u>	<u>Size</u>	<u>Price</u>	<u>Size</u>	<u>Price</u>	<u>Size</u>	<u>Price</u>
0.5	£2.05	2.5	£0.95	5.5	£1.90	8.2	£3.15
0.7	£2.05	2.55	£1.60	5.8	£1.80	8.5	£3.25
0.8	£2.05	2.6	£1.64	6.0	£1.85	8.6	£3.60
1.0	£1.30	2.7	£1.05	6.1	£2.25	8.8	£3.65
1.1	£1.32	2.8	£1.05	6.2	£2.25	9.0	£3.60
1.2	£2.00	2.9	£0.85	6.3	£2.25	9.2	£3.80
1.3	£1.30	3.0	£0.90	6.4	£2.25	9.3	£3.80
1.4	£1.20	3.3	£0.95	6.5	£2.00	9.6	£5.77
1.5	£0.95	3.5	£1.00	6.6	£2.30	9.7	£4.10
1.55	£1.80	4.0	£1.05	6.8	£2.35	10.0	£4.90
1.6	£1.30	4.1	£1.05	6.9	£2.40	10.1	£5.25
1.7	£1.40	4.2	£1.15	7.0	£2.65	10.2	£5.30
1.8	£1.42	4.3	£1.15	7.1	£2.90	10.3	£5.35
1.9	£1.05	4.4	£1.20	7.2	£2.90	10.4	£5.40
1.95	£1.65	4.5	£1.20	7.3	£2.80	10.5	£5.10
2.0	£1.48	4.6	£1.25	7.5	£2.90	10.8	£6.00
2.05	£1.30	4.8	£1.30	7.6	£2.80	10.9	£6.15
2.1	£1.05	5.0	£1.40	7.7	£2.90	11.0	£6.10
2.2	£1.05	5.1	£1.70	7.8	£2.75	11.5	£6.70
2.3	£1.62	5.2	£1.70	8.0	£3.05	11.8	£7.80
2.4	£1.05	5.4	£1.80	8.1	£3.10	12.0	£7.60

BA spanner sets

Box spanners	0,1,2,3,4,5,6,7,8,9,10	£13.50
Open ended spanners	0,1,2,3,4,5,6,7,8,9,10,11	£11.40

Mini pipe bender

For 1/8, 3/16 and 1/4 pipe	£19.18	For 6, 8 and 10mm pipe	£32.16
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Short Arm Hexagon Wrench (Allen Key)

0.028" A/F	for 10BA grub	£0.50			
0.035" A/F	for 8BA, 2UNC grub screws	£0.30			
0.050" A/F	for 6BA, 3 & 4 UNC grub, 6BA Csk	£0.30			
1/16" A/F	for 4BA, 6UNC, 1/8W grub, 8BA cap, 4BA Csk	£0.30			
5/64" A/F	for 3BA, 8UNC, 5/32W grub, 6BA, 4UNC cap, 3BA, 5UNC csk	£0.30			
3/32" A/F	for 2BA, 10UNC, 3/16W grub, 4BA, 5 & 6 UNC 1/8W cap, 2BA 8UNC 3/16 csk	£0.30			
1/8" A/F	for 0BA, 1/4W grub, 3BA, 8UNC cap, 0BA, 10UNC csk	£0.40			
5/32" A/F	£0.60	3/16" A/F	£0.60	7/32" A/F	£0.60
1.5mm	£0.30	2.0mm	£0.30	2.5mm	£0.35
3.0mm	£0.40	4.0mm	£0.50	5.0mm	£0.55
6.0mm	£0.55	7.0mm	£0.60	8.0mm	£0.60

Boiler and Pipe Fittings



Single end pipe unions (Complete) Price each.

<u>Pipe Size</u>				<u>Pipe size</u>		
60/010	3/32" 3/16" x 40	£2.21		60/013	3/16" 5/16" x 32	£2.68
60/011	1/8" 1/4" x 40	£2.47		60/014	1/4" 3/8" x 32	£3.08
60/012	5/32" 1/4" x 40	£2.47		60/015	5/16 1/2 x 26	£4.56
				60/016	3/8" 9/16" x 26	£7.96

Double end pipe unions (Complete) Price each.

<u>Pipe Size</u>			<u>Pipe size</u>			<u>Pipe size</u>	
60/020	3/32" £2.34		60/022	5/32" £2.68		60/024	1/4" £3.47
60/021	1/8" £2.68		60/023	3/16" £3.07		60/025	5/16 £5.54
						60/026	3/8" £8.70



Nuts, union Price Per 4.

<u>Pipe size</u>	<u>Thread</u>		<u>Pipe size</u>	<u>Thread</u>	
60/030	3/32" 3/16" x 40	£1.71	60/033	3/16" 5/16" x 32	£1.75
60/031	1/8" 1/4" x 40	£1.71	60/034	1/4" 3/8" x 32	£2.15
60/032	5/32" 1/4" x 40	£1.71	60/035	5/16" 1/2" x 26	£3.58
			60/036	3/8" 9/16" x 26	£8.75

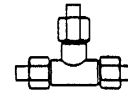
Nipples (Solder) Price Per 10.

<u>Pipe size</u>			<u>Pipe size</u>			<u>Pipe size</u>	
60/040	3/32" £2.59		60/042	5/32" £2.66		60/044	1/4" £3.09
60/041	1/8" £2.66		60/043	3/16" £2.87		60/045	5/16" £6.34
						60/046	3/8" £6.40



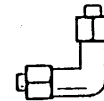
Pipe "Tees Price each, complete with nuts and solder nipples.

<u>Pipe size</u>			<u>Pipe size</u>			<u>Pipe size</u>	
60/050	3/32" £5.96		60/052	5/32" £6.13		60/054	1/4" £6.84
60/051	1/8" £6.13		60/053	3/16" £6.39		60/056	3/8" £10.81



Pipe "Elbows" 90 Price each, complete with nuts and solder nipples.

<u>Pipe Size</u>			<u>Pipe Size</u>			<u>Pipe Size</u>	
60/060	3/32" £5.49		60/062	5/32" £6.03		60/064	1/4" £6.57
60/061	1/8" £6.03		60/063	3/16" £6.40		60/066	3/8" £9.98

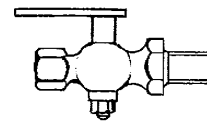


Safety Valves Loco type. Price each.

5/16" x 26TPI	£10.05	5/16" x 32TPI	£10.05	1/2" x 26TPI	£14.90
3/8" x 32TPI	£11.07	3/8" x 26TPI	£11.07	3/4" x 26TPI	£31.20

Cylinder drain cocks Traction engine type. Price per pair.

60/121	1/4" x 32 tpi	£40.09	60/123	5/16" x 32 tpi	£42.28
60/124	1/8" BSP	£52.28	60/125	M10 x 1mm	£52.28
60/122	1/4" x 40 tpi	£40.09	60/126	1/4 BSP	£ 63.55



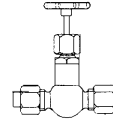
Cylinder drain cocks Loco type. Price for set of 4 (2 left, 2 right).

60/131	5/32" x 40 tpi	£24.34	60/133	1/4" x 40 tpi	£26.60
60/132	3/16" x 40 tpi	£24.34	60/134	5/16" x 40 tpi	£28.94



Globe Valves 180 Price each.

Code	Pipe Size	Price	Code	Pipe Size	Price	Code	Pipe Size	Price
60/071	1/8"	£12.00	60/073	3/16"	£15.30	60/075	5/16"	£26.17
60/072	5/32"	£12.00	60/074	1/4"	£16.55	60/076	3/8"	£22.55
60/070	3/32	£11.49						



Globe Valves 90 Price each.

Code	Pipe Size	Price	Code	Pipe Size	Price	Code	Pipe Size	Price
60/081	1/8"	£12.59	60/083	3/16"	£14.89	60/085	5/16"	£28.08
60/082	5/32	£13.32	60/084	1/4"	£17.87	60/086	3/8"	£27.02
60/080	3/32	£12.59						



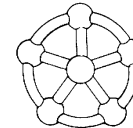
Spare Handwheel (3 spoke M/Ced.) Price each.

Dia	Tapped	Price	Dia	Tapped	Price
1/2"	8 BA	£2.00	3/4"	5 BA	£3.31
9/16"	8 BA	£2.21	7/8"	4 BA	£3.70
5/8"	6 BA	£2.55	1"	4 BA	£3.83
11/16"	6 BA	£2.93	1 1/4"	Blank	£6.51



Spare Handwheel (5 spoke lost wax casting) Centre spigot left blank. Price each.

Code	Dia	Price	Code	Dia	Price	Code	Dia	Price
A460	5/8"	£3.49	A462	1 1/4"	£5.10	A464	1 3/4	£9.15
A461	7/8	£3.49	A463	1 1/2"	£6.12			

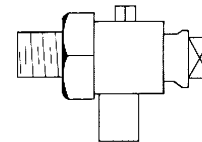


Floor Mounted Water Bypass Valves Price each.

Pipe Size	Price	Pipe Size	Price	Pipe Size	Price
5/32"	£12.16	3/16"	£13.73	1/4"	£15.11

Blowdown Valves Price each.

60/101	1/4" x 40 TPI	£8.65	60/106	1/2" x 26 TPI	£12.57
60/102	5/16" x 32 TPI	£8.96	60/111	1/4" BSP	£24.75
60/103	5/16" x 40 TPI	£8.96	60/112	3/8" BSP	£31.35
60/104	3/8" x 32 TPI	£9.40	60/113	1/2" BSP	£38.12
60/105	3/8" x 26 TPI	£9.10			

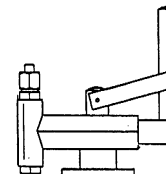


Plug Type Water Valves 180 Price each.

Code	Pipe Size	Price	Code	Pipe Size	Price	Code	Pipe Size	Price
60/091	1/8"	£16.38	60/093	3/16"	£16.98	60/095	5/16"	£20.62
60/092	5/32"	£16.98	60/094	1/4"	£18.19	60/096	3/8"	£23.05

Hand Pumps Price each

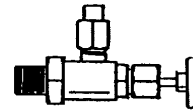
5/16" Ram	1/8 pipe	£32.30	5/8" Ram	1/4 pipe	£40.45
3/8" Ram	5/32 pipe	£34.24	3/4" Ram	3/8 pipe	£45.42
1/2" Ram	3/16 pipe	£38.28	3/4 " Ram,	pipe to pipe	£48.94



NOTE Please see page 28 regarding BSP sizes.

Blower Valves Boiler stay type. Price each.

<u>Pipe/stay Size</u>	<u>External</u>	<u>Internal</u>	
1/8"	1/4" x 40	5/32" x 40	£12.15
5/32"	1/4" x 40	5/32" x 40	£12.15
5/32"	3/8" x 40	1/4" x 40	£13.42
5/32"	5/16" x 40	3/16" x 40	£13.14



Injector Steam Valves Price each.

<u>Pipe Size</u>	<u>Thread</u>		<u>Pipe Size</u>	<u>Thread</u>	
1/8"	1/4" x 40	£12.15	1/4"	3/8" x 32	£12.95
5/32"	1/4" x 40	£12.15			
3/16"	5/16" x 32	£12.45			

Check or Non-Return Valves Price each. (90 Deg)

<u>Pipe size</u>	<u>Thread</u>		<u>Pipe size</u>	<u>Thread</u>	
3/32"	3/16" x 40	£6.59	3/16"	5/16" x 32	£9.35
1/8"	1/4" x 40	£6.85	1/4"	3/8" x 32	£11.38
5/32"	1/4" x 40	£6.85	5/16"	1/2" x 26	£16.60
			3/8"	1/4 BSP	£22.92

Check or Non-Return Valves In line (180 deg.) Price each. Pipe to pipe.

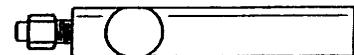
<u>Pipe size</u>		<u>Pipe size</u>	
1/8"	£9.52	1/4"	£10.73
5/32"	£9.53	5/16"	£11.62
3/16"	£9.84	3/8"	£19.03
		1/2"	£24.77

Whistle Valves Price each.

<u>Pipe size</u>	<u>Thread</u>			
1/8"	1/4 x 40	£16.15	3/8 x 32 male to 3/8 x 32 female	£20.80

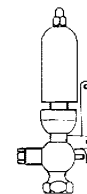
Whistle Loco type. Price each.

3/8"	£11.62	1/2"	£14.03	5/8"	£16.45
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Whistle Traction engine type. Price each. (Complete with steam valve).

A110	3" Scale	Tapped 5/16 x 32.	Stands 3 1/8" high	£47.35
A111	4" Scale	Tapped 1/8" BSP.	Stands 4 1/4" high	£58.95
	6" Scale	Tapped 3/8" BSP.	Stands 7 1/4" high	£162.00



Steam Siren Price each

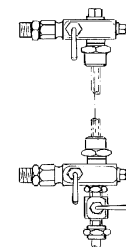
A485	4" scale steam siren,	1 1/2" dia body x 4 3/4" high	£160.00
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Water Gauges-Single valve Price each.

	<u>Thread</u>	<u>Glass size</u>		<u>Thread</u>	<u>Glass size</u>	
60/210	3/16" x 40	4 mm	£25.87			
60/211	1/4" x 32	5mm	£24.28	60/215	5/16" x 32	6/7mm £28.26
60/212	1/4" x 40	5mm	£24.28	60/216	3/8" x 32	7mm £33.22

Water Gauges - 3 cock Price each. Bronze body with stainless tap on PTFE seating.

<u>Code</u>	<u>Scale</u>	<u>Glass size</u>	<u>Fitting</u>	<u>Price</u>
60/220	3" scale	7mm	1/8" BSP	£105.00
60/221	4" scale	8mm	1/8" BSP	£105.00
60/223	4" scale	10mm	1/4" BSP	£115.10
60/224	6" scale	12mm	3/8" BSP	£188.35



Note. These gauges can be converted to either left or right hand fitting.

Gauge protectors can be made for the above water gauges. See below, please contact us for more details.

Water Gauge protectors Made to order only as the glass is hardend after cutting,

60/230	For 3" scale water gauges	£66.36
60/231	For 4" scale water gauges	£66.36
60/232	For 6" scale water gauges	£76.86

Gauge glass (plain) Price per 6" length. (150mm).

60/240	5mm	£0.70	60/242	7mm	£0.90	60/244	10mm	£1.10
60/241	6mm	£0.90	60/243	8mm	£1.00	60/245	12mm	£1.25

Gauge glass (With red stripe) Price per indicated length

60/250	5mm x 150mm long	£2.90	60/260	8mm x 300mm long	£6.00
60/251	6mm x 150mm long	£2.90	60/261	10mm x 180mm long	£4.05
60/252	7mm x 150mm long	£2.90	60/263	10mm x 300mm long	£5.70
60/253	8mm x 150mm long	£2.90	60/264	12mm x 200mm long	£4.50
60/254	9mm x 150mm long	£2.90	60/262	14mm x 300mm long	£5.25
60/255	10mm x 150mm long	£2.90	60/265	16mm x 300mm long	£6.00
60/256	12mm x 150mm long	£3.10			

Gauge glass (With blue stripe) Price per 6" length (150mm).

60/270	(5/32) 4 mm x 150 mm	£3.19	60/273	(7/32) 5.5 mm x 150 mm	£3.19
60/271	(3/16) 4.5 mm x 150 mm	£3.19	60/272	(1/4) 6.5 mm x 150 mm	£3.19

Silicon rubber tube gauge glass seals, per 25mm length

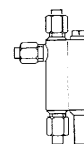
60/279	4, 5, 6, 7, 8, 9, 10, 12, 14, 16mm	£0.30
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NOTE Please see bottom of page 28 regarding BSP sizes.

Injectors

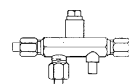
Vertical Price each.

	<u>Size</u>	<u>Delivery</u>	<u>Pipe size</u>	
A115	No 4	25oz (0.426 ltr)	3/16"	£28.36
	No 5	66oz (1.87 ltr)	1/4"	£42.55
A118	No 6	80oz (2.27 ltr)	1/4"	£51.95
A121	No 8	160oz (4.54 ltr)	3/8"	£64.35
A126	No 15	300oz (8.52 ltr)	7/16"	£148.83



Horizontal Price each.

	<u>Size</u>	<u>Delivery</u>	<u>Pipe size</u>	
A112	No 2	11 oz (0.312 ltr)	5/32"	£24.38
A113	No 3	15 oz (0.426 ltr)	3/16"	£26.36
A114	No 4	25 oz (0.71 ltr)	3/16"	£26.36
A116	No 5	66 oz (1.87 ltr)	1/4"	£29.26
A119	No 6	80 oz (2.27 ltr)	1/4"	£42.77
A117	No 7	120 oz (3.40 ltr)	5/16"	£45.42
A120	No 8	160 oz (4.54 ltr)	3/8"	£52.49
A122	No 16	320 oz (9.09 ltr)	7/16"	£82.71



JC injectors

NOTE – JC injectors are no longer manufactured, please check with us for availability.

Imperial

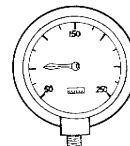
	<u>Pipe size</u>	<u>Horizontal</u>	<u>Vertical R/H</u>
40 oz/min	3/16 – 1/4	£34.75	
40 oz/min	3/16 – 1/4	£40.65	(max working pressure 150 PSI).
60 oz/min	3/16 – 1/4		£36.60 1 only left
100 oz/min	1/4 – 5/16	£48.64	
100 oz/min	1/4 – 5/16	£58.60	(max working pressure 150 PSI).

Ejectors

These incorporate a check valve on the vacuum side of the ejector

5/32 pipe steam and vacuum, 1/4 pipe exhaust	£40.00
3/16 pipe steam and vacuum, 1/4 pipe exhaust	£40.00

Pressure Gauges Price each



Code	<u>Without back flange</u>	
	1/2" Dia. 0 - 120 lbs	£26.10
	3/4" Dia. 0 - 150 lbs.	£25.74
A24	1" Dia. 0 - 80, 150 lbs	£24.51
A24a	1" Dia. 0 - 250 lbs	£24.31
	1 5/8" Dia. 0 - 160 lbs	£25.95
	1 5/8" Dia. 0 - 300 lbs	£28.92
A27	2" Dia. 0 - 160 lbs	£32.34
A27A	2" Dia. 0 - 300 lbs	£35.90

Code	<u>With back flange</u>	
	3/4" Dia. 0 - 150 lbs	£30.74
	1" Dia. 0 - 150 lbs	£28.61
	1" Dia. 0 - 250 lbs	£28.71
A25	1 5/8" Dia. 0 - 160 lbs	£32.01
A26	1 5/8" Dia. 0 - 300 lbs	£33.10
A27C	2" Dia. 0 - 160 lbs	£36.96
A27D	2" Dia. 0 - 300 lbs	£40.52

3/4 and 1" gauges – thread is 3/16 x 40 tpi

1 5/8 and above gauges – thread is 1/8 BSP

Vacuum Gauges Price each.

Code	<u>Without back flange</u>	
	3/4" Dia. 0 - 30 HG	£28.71
	1" Dia. 0 - 30 HG	£28.71
A27E	2" Dia. 0 - 30HG	£37.05

Code	<u>With back flange</u>	
	1" Dia 0-30 HG	£32.92
A27F	2" Dia 0-30 HG	£41.58

1/8 BSP nut and solder nipple (3/16" pipe) for larger pressure / vacuum gauges - £3.00

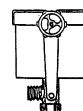
Pressure / vacuum gauge shut off cock.

Suitable for gauges of 1 5/8" dia and larger. 1/8" BSP mail thread. 3/16" solder nipple. £24.85

NOTE Please see page 28 regarding BSP sizes.

Mechanical lubricators

Loco type Price each - Pipe size 1/8" dia.



51/070	1" square tank	£33.62	51/072	2" x 1 1/4" tank	£36.60
51/071	1 1/4" square tank	£34.90	51/073	2" square tank (twin ram)	£58.50

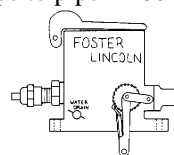
Oil Check Valves

51/083	1/8" pipe to pipe x 180 deg.	£10.65	51/085	1/8" pipe to 3/16 x 40 - 90 deg.	£10.65
51/084	5/32" pipe to pipe x 180 deg	£10.65		3/16 pipe to pipe x 180 deg	£11.45

Traction engine type.

Scaled from a full sized 'Foster' lubricator. Price each.

Although they incorporate their own check valve, a second one is recommended on the cylinder block.



51/074	3" scale box and lid	£22.38	51/075	3" scale complete	£101.96
51/076	4" scale box and lid	£28.30	51/077	4" scale complete	£103.96
51/078	6" scale box and lid	£43.30	51/079	6" scale complete	£147.50
51/080	12" scale box and lid	£69.22	51/081	12" scale complete	£ POA
51/087	Oil check valve for 4" scale 'Foster' lubricator. 5/32" pipe, 3/8" x 32 TPI.				£14.53 each
51/091	Spring set for 3" scale Foster lubricator	£6.25			
51/092	Spring set for 4" scale Foster lubricator	£6.25			
51/093	Spring set for 6" scale Foster lubricator	£8.50			
51/094	Spring set for full size Foster lubricator	£POA			

Fusible plugs Price each.

61/180 1/4" BSPT £12.40 61/181 3/8" BSPT £12.40 61/182 1/2" BSPT £14.30

Blanking plugs Bronze, Price each.

61/185 1/4" BSPT £7.70 61/186 3/8" BSPT £7.70 61/187 1/2" BSPT £9.35

Steel, Price each.

61/190 1/8" BSPT £2.30 61/191 1/4" BSPT £2.90 61/192 3/8" BSPT £3.45
61/193 1/2" BSPT £4.05

NOTE Please see page 28 regarding BSP sizes.

Traction engine water lifter rose.

70/021 3" scale rose £19.22 70/022 4" scale rose £20.10

70/024 6" scale rose £30.60

Traction engine water lifter hose. Price Pr meter

A35 3" scale - 5/8 OD £5.11 6" scale - 1" OD £6.40

A36 4" scale - 3/4 OD £6.00

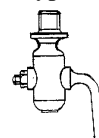
Test cocks Price each.

Code

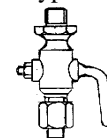
A28 Plain test cock (type A) 5/16 x 32 tpi £23.45

A333 Test cock with 3/16 pipe solder union
(Type B) 5/16 x 32 tpi £25.66

Type A



Type B



Brass chain All links are solder joints. Price per 300mm. Can be cut to lengths up to 30 feet max.

Link length x width x wire gauge. Ideal for whistle chain!!

Code

A196 .200" x .250" x 18g £2.30

1/8" x 3/16" x 21g £2.30

Code

3/32" x 1/8" x 24g £2.30

4" scale traction engine lamps.

A135 Front lamps. 1 left hand and 1 right hand. £POA

A136 Rear lamp £POA



Brass boiler band

Code

A45 3/4 wide x 4 feet length £4.40

Other widths can be cut, ask for details.

Code

A46 15/16 wide x 4 feet length £5.00

Tube Brushes

Bronze bristles with twisted wire handle. Overall length, 1 metre nominal. Price each

61/010 Dia 5/16, 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" £5.17

Brass bristles Price each. End threaded 1/4" BSW for handle.

A153 1/2" dia. £5.43 A152 3/4" dia. £5.43 A151 1" dia. £5.43
7/8" dia £5.43

Steel bristles Price each. 7/8" and 1" dia £5.43 End threaded 1/4" BSW for handle

1 1/8 Dia. £ 14.00 End threaded 1/2" x 12 tpi (Whit)
1 1/4 Dia. £ 14.50 End threaded 1/2" x 12 tpi (Whit)

A154 Handle for the above brass and steel bristle tube brushes, approx length 1metre. £3.83
Handle for 1 1/8 and 1 1/4 dia tube brushes. Length approx 6' 6"- £11.50

Boiler lagging. Pr metre length. – max length 3 meters

A337 Fibre material 610mm wide x 6mm thick £19.34
Woven Glass Lagging 1 metre wide x 1mm thick £18.58

Gasket Material For steam, oil or water

Plain. Per 300mm x 300mm area.

61/126 1/32" thick £3.39 61/127 1/16" thick £4.70

Graphited. Per300mm x 300mm area.

61/129 1/32" thick £4.43 61/130 1/16" thick £7.48

Graphited yarn. Per metre length. (** 2 metres)

61/135 1.5mm dia. £2.51** 61/136 3mm square £5.02
61/139 6mm square £6.25 61/140 10mm square £10.15

Max operating conditions:- Temp. 480 Deg C, Velocity 15m/s, Pressure 140 Bar.

PTFE gland packing. Per 500mm length.

61/145 3mm dia. £3.66 61/146 5mm dia. £6.05
61/147 6.5mm square £8.17

Max operating conditions:- Temp. 260 Deg C, Velocity 8m/s, Pressure 70 Bar.

Steam jointing paste

61/155 "Foliac" graphite steam jointing compound. 300 gram tin. £6.64

Boiler mud hole gaskets. Price each. Internal dimensions x wall thickness.

61/110 56mm x 41mm x 10mm £7.52 (for 4" scale Foster and some 4" and 4 1/2" Burrells)
61/111 74mm x 56mm x 10mm £7.52 (for 4" Burrell – typical)
61/112 100mm x 80mm x 15mm £7.52 (5" Foster)
61/113 45mm x 32mm x 8mm £7.52 (for 3" Foster)
61/114 95mm x 85mm x 10mm £7.52
61/115 85mm x 70mm x 8mm £7.52 (for 3" Marshall, 6" Ruston Proctor)
61/116 50mm x 38mm x 8mm £7.52 (3" Little Samson / 3" McLaren)
61/117 70mm x 50mm 10mm £7.52 (4" Rushton Proctor)
61/118 168mm x 136mm x 12mm £16.20 (6" Fowler)

Size made to order – ring for a quote, minimum quantity 10.

Split cotter pins. 50 per packet. Steel.

<u>Code</u>			<u>Code</u>			<u>Code</u>		
A160	1/32" x 1/2"	£1.46		3/64" x 1 1/2"	£1.58		5/64" x 1 1/2"	£1.21
	1/32" x 1"	£4.24		3/64" x 2"	£1.71		3/32" x 1/2"	£1.05
	1/32" x 1 7/8"	£4.79		1/16" x 5/8"	£1.35		3/32" x 5/8"	£1.25
	1/32" x 2"	£4.84	A162	1/16" x 3/4"	£1.46		3/32" x 3/4"	£1.25
A161	3/64" x 1/2"	£1.46		1/16" x 1"	£1.51	A163	3/32" x 1"	£1.46
	3/64" x 5/8"	£1.35		1/16" x 1 3/16"	£1.58		3/32" x 1 1/4"	£1.58
	3/64" x 3/4"	£1.35		1/16" x 1 1/4"	£1.58		3/32" x 1 3/4"	£1.82
	3/64" x 1"	£1.40		1/16" x 1 3/4"	£1.87		1/8" x 2"	£3.15
	3/64" x 1 3/8"	£1.46		1/16" x 2"	£2.10		1/8" x 2 1/2"	£3.36
	3/64" x 1 7/16"	£1.58		1/16" x 2 1/2"	£2.79		5/32" x 2 1/2"	£3.80
							3/16" x 1 1/4"	£3.80

Stainless steel Split pins 10 per packet.

1/8" x 1 1/4" £1.80

1/16" x 1" £0.65

Brass split pins 10 per packet

3/32" x 2 1/4" £1.75

Taper pins. 10 per packet. Steel.

<u>Code</u>			<u>Code</u>			<u>Code</u>		
	1/16" x 1/2"	£2.20	A171	5/64" x 3/4"	£3.00	A173	1/8" x 1"	£2.75
A170	1/16" x 3/4"	£2.65		3/32" x 1/2"	£2.20	wsl	5/32" x 1"	£2.75
	1/16" x 1"	£2.70	A172	3/32" x 1"	£2.76	A174	3/16" x 1"	£2.97
	1/16" x 1 1/4"	£2.86	A175	3/32" x 1 1/2"	£3.30		1/4" x 1 1/2"	£3.72
	3/64" x 1/2"	£3.96	wsl	7/64" x 1 1/4"	£4.40			

Roll pins. 10 per packet. Steel.

<u>Code</u>			<u>Code</u>		
45/010	1/16" x 5x16"	£0.65	45/028	1/8" x 3/4"	£1.00
45/011	1/16" x 7/16"	£0.65	45/029	1/8" x 1"	£1.21
45/012	1/16" x 7/8"	£0.81	45/035	5/32" x 1 1/4"	£1.50
45/013	1/16" x 1"	£0.81	45/039	3/16" x 7/8"	£1.67
45/020	3/32" x 3/4"	£0.81	45/040	3/16" x 1"	£1.73
45/021	3/32" x 1"	£0.85	45/045	1/4" x 1"	£1.85
45/025	1/8" x 9/16"	£0.85	45/060	5mm x 20mm	£1.67
45/026	1/8" x 5/8"	£1.00			
45/027	1/8" x 11/16"	£1.00			

Dowl Pins. 10 per packet. Steel

<u>Code</u>			<u>Code</u>		
45/110	3/16" x 3/4"	£1.75	45/120	4mm x 30mm	£1.75
45/111	3/16" x 7/8"	£1.75	45/121	5mm x 10mm	£1.75
45/112	1/4" x 7/8"	£1.75	45/122	5mm x 20mm	£1.80
45/113	5/16" x 1 3/8"	£3.75	45/123	5mm x 40mm	£3.45
			45/124	6mm x 20mm	£1.75
			45/125	6mm x 50mm	£3.60

Gib head keys. Price each.

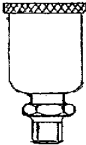
<u>Code</u>			<u>Code</u>			<u>Code</u>		
A309	3/16" wide x 2"	£6.80	A310	1/4" wide x 3"	£7.27	A311	5/16" wide x 3"	£7.75
	3/8" wide x 3"	£12.00						

Square section key steel Price per 300mm length.

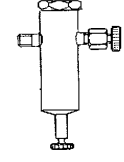
1/8" x 1/8"	£3.66	1/4" x 1/4"	£4.28	3/8" x 3/8"	£7.87
3/16" x 3/16"	£4.17	5/16" x 5/16"	£4.87	7/16 x 7/16	£7.96
1/2 x 1/2	£7.41				
3mm x 3mm	£3.66	6mm x 6mm	£6.20	10mm x 10mm	£5.20
4mm x 4mm	£4.44	8mm x 8mm	£4.35	12mm x 12mm	£7.41
5mm x 5mm	£6.64				

Oilers

Wick feed

<u>Code</u>			
51/040	1/4" x 40 tpi. Body dia. 1/2", height excluding thread 1 1/8"	£8.00	
51/041	5/16" x 32 tpi. Body dia. 5/8", height excluding thread 1.200"	£9.19	
51/042	5/16" x 32 tpi. Body dia. 7/8", height excluding thread 1.450"	£10.38	

Displacement Lubricators

<u>Code</u>				
51/050	Small displacement lubricator	1/4 x 40 thread	£26.75	
51/051	Large displacement lubricator	1/8 BSP thread	£49.50	

Grease nipples

Thread size – 1/8" BSP.



<u>Code</u>		<u>Each</u>	<u>Qty. 10</u>
	Tat-head (double hexagon)	£0.86	£5.11
	Straight	£0.86	£5.11
	45 Deg. Angle	£0.86	£5.11
	90 Deg. Angle	£0.86	£5.11

Boiler water treatment - Heatreat 502

Helps remove oxygen from water, stops build up of solids around foundation ring and boiler tubes. Supplied with instructions.

A43 1 litre £16.91 A44 5 litres £66.60 A42 20KG drum £ POA

Steam oil.

For engines runing up to 120 psi.

A145 1 litre £5.28 A146 5 litres £22.00

For engines running above 120 psi.

A145/A High temp. steam oil 1 litre £6.38

Cutting oil

A142 Soluble cutting oil 1 liter £7.02

Rocol RTD liquid cutting oil 400 grams £10.35

Cutting and drilling oil – spray. Good for bronze and other copper based alloy's (300ml) £14.44

Silver Solder and Fluxes

Silver Solder Price Each. (Length 600mm)

				<u>Each</u>	<u>6 - 12</u>	<u>13 +</u>
51/110	Easy flow No 2	(610 - 617 Deg. C.)	0.7mm Dia	£1.28	£1.13	£1.02
51/118	Silver Flow 55	(630 - 660 Deg. C.)	1.5mm Dia	£3.15	£2.88	£2.60
51/112	Easy flow No 2	(610 - 617 Deg. C.)	3.0mm Dia	£9.52	£8.92	£8.33
51/115	Silver Flow 24	(740 - 780 Deg. C.)	1.5mm Dia	£3.34	£3.05	
51/116	Silver Flow 24	(740 - 780 Deg. C.)	3.0mm Dia	£6.84		
51/120	SifBronze No 1	(875 - 895 Deg. C.)	1.6mm Dia	£0.81	£0.66	£0.50
51/121	SifBronze No 1	(875 - 895 Deg. C.)	3.2mm Dia	£1.93	£1.78	£1.63
51/125	Comsol soft solder	(305 Deg. C.)	3.0mm Dia	£4.80		

Fluxes

51/1301	Easy Flow	Packet (20 grams)		£2.00
51/1302	Easy Flow	250 grammes		£11.61
51/1321	Tenacity 4A	Packet (20 grams)		£1.96
51/1322	Tenacity 4A	250 grammes		£10.56
51/1341	Tenacity 5	Packet (20 grams)(For Stainless)		£2.55
51/1343	Tenacity 5	500 grammes (For Stainless)		£16.00
51/1361	SifBronze	20 grammes		£1.90
51/1363	SifBronze	500 grammes		£14.73
51/1382	Bakers fluid	No 3. 250 ml		£9.53
51/140	Fluxite soft solder paste			£5.62

Easy-flow No2 available while stocks last.

Silver flow 55 is a cadmium-free replacement for Easy-flow No2.

Easy-flow flux powder is compatible with Silver-flo 55.

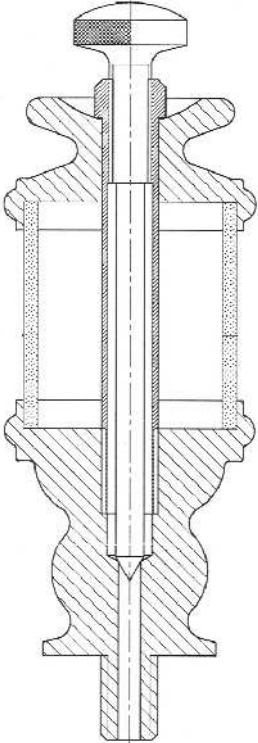
“O” Rings Price each. OD x Wall

Nitile

Code			Code			Code			
50/0061	1/4"	x 1/16"	£0.17	50/1131	3/4" x 3/32"	£0.51	50/2161	1 3/8 x 1/8"	£0.93
50/0071	9/32"	x 1/16"	£0.17	50/1141	13/16" x 3/32"	£0.55	50/2171	1 7/16 x 1/8"	£0.97
50/0081	5/16"	x 1/16"	£0.17	50/1151	7/8" x 3/32"	£0.59	50/2181	1 1/2 x 1/8"	£1.02
50/0091	11/32	x 1/16"	£0.21	50/1161	15/16 x 3/32"	£0.63	50/2191	1 9/16 x 1/8"	£1.06
50/0101	3/8"	x 1/16"	£0.25	50/2101	1" x 3/32"	£0.68	50/2201	1 5/8 x 1/8"	£1.10
50/0111	7/16"	x 1/16"	£0.29	50/2111	1 1/16 x 1/8"	£0.72	50/2211	1 11/16 x 1/8"	£1.14
50/0121	1/2"	x 1/16"	£0.34	50/2121	1 1/8 x 1/8"	£0.76	50/2221	1 3/4 x 3/16"	£1.19
50/1101	9/16	x 3/32"	£0.38	50/2131	1 3/16 x 1/8"	£0.80	50/3251	1 7/8 x 3/16"	£1.23
50/1111	5/8"	x 3/32"	£0.42	50/2141	1 1/4 x 1/8"	£0.85	50/3261	2" x 3/16"	£1.27
50/1121	11/16"	x 3/32"	£0.46	50/2151	1 5/16 x 1/8"	£0.89	50/3271	2 1/8 x 3/16"	£1.55

Silicon

Code			Code			Code			
50/0062	1/4"	x 1/16"	£0.42	50/0102	3/8" x 1/16"	£0.51	50/1112	5/8" x 3/32"	£0.68
50/0072	9/32"	x 1/16"	£0.42	50/0112	7/16" x 1/16"	£0.55	50/1122	11/16" x 3/32"	£0.72
50/0082	5/16"	x 1/16"	£0.42	50/0122	1/2" x 1/16"	£0.59	50/1132	3/4" x 3/32"	£0.76
50/0092	11/32	x 1/16"	£0.46	50/1102	9/16 x 3/32"	£0.63			

	Drip Feed Oilers				
		Glass Dia.	Thread	Hight excluding thread – approx	Price each
	51/010	7 mm dia.	5 BA	29 mm	£9.00
	51/013	10 mm dia.	5 BA	31 mm	£10.75
	51/016	13 mm dia.	2 BA	37 mm	£13.50
	51/018	15 mm dia	2 BA	42 mm	£15.20
	51/023	20 mm dia	1/4 x 40 tpi	54 mm	£16.25
	51/026	25 mm dia.	1/4 x 40 tpi	57 mm	£18.40

Wire winch rope.

A37	Wire winch rope, 5mm dia. x 30mtrs length	£49.00
A37/B	Wire winch rope, 3mm dia. x 15 mtrs length	£29.65
A38	Shackle bows	£2.90 each
A39	Hook	£11.29 each
A40	Wire rope lubricant	£14.70 300ml.

Tender try cock, for 4" scale traction engines. Price each.

A451 1/8 BSP £23.35

Buckets. Price each

A335	3" scale	£4.00	A336	4" scale	£4.00	5" scale	£5.00
	6" scale	£6.00					

Case hardening compound

100 Grams	£7.20
200 Grams	£10.60
500 Grams	£22.75

Ends for twisted brass. Price per pair. See page 6 for twisted brass.

A180/B For 1/2" A/C	£15.00	A181/B For 3/4" A/C	£16.00	For 7/8" A/C	£16.50
A182/B For 1" A/C	£17.00	A183/B For 1 1/4" A/C	£18.00	A184/B For 1 1/2" A/C	£19.00

Fire irons.

A192 For 3" scale traction engines	£19.82	A193 For 4" scale traction engines	£20.63
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Steering chain. Price Pr Metre.

A50 For 3" scale traction engines (link size, Nom'l – 15/16" x 17/32" x 5/32 wire)	£14.85
A51 For 4" scale traction engines (link size, Nom'l – 1 3/16" x 3/4" x 1/4" wire)	£10.05
A52 For 6" scale traction engines (link size, Nom'l – 1 3/8" x 1" x 9/32" wire)	£20.10

"Clean out boiler every 14 days" lost wax plate. Price each.

A197 For 3" scale engines	£9.70	A198 For 4" scale engines	£9.90
A200 For 6" scale engines	£15.75		

Drive Belting. Price Pr metre.

Governor belting

1/2" wide	£9.15	3/4" wide	£11.93
A290 5/8" wide	£9.24	1" wide	£14.63

A291 Clip for all above £2.00 per 50mm length

Flywheel drive belting - leather

1" wide	£13.20	2" wide	£31.52
1 1/2" wide	£20.30		

A293 Clip for all above £3.75 per 50mm length

Other widths available on application.

Books. (Zero rated for VAT).**Code**

BOOK/WPS01	Workshop practice series. Hardening, Tempering & Heat Treatment.	£6.95
BOOK/WPS02	Workshop practice series. Vertical milling in the home workshop	£6.95
BOOK/WPS03	Workshop practice series. Screwcutting in the Lathe.	£6.95
BOOK/WPS04	Workshop practice series. Foundrywork for the Amateur	£6.95
BOOK/WPS05	Workshop practice series. Milling Operations in the Lathe.	£6.95
BOOK/WPS06	Workshop practice series. Measuring and Marking Metals	£6.95
BOOK/WPS07	Workshop practice series. The Art of Welding.	£6.95
BOOK/WPS08	Workshop practice series. Sheet Metal Work.	£6.95
BOOK/WPS09	Workshop practice series. Soldering and Brazing.	£6.95
BOOK/WPS10	Workshop practice series. Saws and Sawing	£6.95
BOOK/WPS11	Workshop practice series. Electroplating	£6.95
BOOK/WPS12	Workshop practice series. Drills, taps and dies	£6.95
BOOK/WPS13	Workshop practice series. Workshop Drawing.	£6.95
BOOK/WPS14	Workshop practice series. Making Small Workshop Tools.	£6.95
BOOK/WPS15	Workshop practice series. Workholding in the Lathe.	£6.95
BOOK/WPS16	Workshop practice series. Electric Motors.	£6.95
BOOK/WPS17	Workshop practice series. Gears and Gear Cutting.	£6.95
BOOK/WPS18	Workshop practice series. Basic Benchwork.	£6.95
BOOK/WPS19	Workshop practice series. Spring Design & Manufacture	£6.95
BOOK/WPS20	Workshop practice series. Metalwork and Machining.	£6.95
BOOK/WPS21	Workshop practice series. Adhesives and Sealants.	£6.95
BOOK/WPS22	Workshop practice series. Workshop Electrics.	£6.95
BOOK/WPS23	Workshop practice series. Workshop Construction.	£6.95
BOOK/WPS24	Workshop practice series. Electric Motors in the home Workshop.	£6.95
BOOK/WPS25	Workshop practice series. The Backyard Foundry.	£6.95
BOOK/WPS26	Workshop practice series. Home Workshop Hits & Tips	£6.95
BOOK/WPS27	Workshop practice series. Spindles.	£6.95
BOOK/WPS28	Workshop practice series. Simple Workshop Devices.	£6.95
BOOK/WPS29	Workshop practice series. CAD for Model Engineers	£6.95
BOOK/WPS30	Workshop practice series. Workshop Materials	£6.95
BOOK/WPS31	Workshop practice series. Usefull Workshop Tools	£6.95
BOOK/WPS32	Workshop practice series. Unimat III Lathe Accessories	£6.95
BOOK/WPS33	Workshop practice series. Making Clocks	£6.95
BOOK/WPS34	Workshop practice series. Lathe Work, a Complete course	£6.95
BOOK/WPS35	Workshop practice series. Milling, a Complete Course.	£6.95
BOOK/WPS36	Workshop practice series. Photo Etching.	£6.95
BOOK/WPS37	Workshop practice series. Dividing.	£6.95
BOOK/WPS38	Workshop practice series. Tool and Cutter Sharpening.	£6.95
BOOK/WPS39	Workshop practice series. Model Engineers workshop projects	£6.95
BOOK/WPS40	Workshop practice series. Bearings.	£6.95
BOOK/WPS41	Workshop practice series. Grinding, Honing and Polishing.	£6.95
BOOK/WPS42	Workshop practice series. Metalworkers data handbook	£6.95
BOOK/WPS43	Workshop practice series. The mini Lathe	£6.95
BOOK001	Introducing Model Traction Engine Construction by John Haining. This book gives details for 2" scale models, but the same principles apply to 3" scale and above.	£6.95
BOOK002	The Model Engineers Handbook	£9.95

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