

Taybroh Alloys

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Established 1978

Stock Range Brochure

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Foreword

In 2013 we celebrate our 35th year in Stainless Steel and Non Ferrous Stockholding. Taybroh Alloys was originally located in Bristol before moving to our present location at Stonehouse in Gloucestershire.

During this time manufacturing and its related industries, including stockholding, has seen considerable change, with a greater emphasis on price, quality, and ex-stock deliveries. A major part of our success over the years, has been our ability to react to those changes and keep pace with our customer needs by continual investment in stock, processing equipment and a quality assured control system. Thus ensuring we continue to offer our customers the best quality and service.

We can, as a leading independent stockholder, offer you a wide range of products from our comprehensive stocks as well as giving you the comfort of knowing that every order passes through our quality assurance system. We are a Quality Assured Stockist to ISO 9001:2015 standard. We also have Ministry of Defence registration.

In this brochure we have listed information relating to products we can offer from our comprehensive stock range as well as listing technical information that we hope you will find useful and informative. Should you require further information relating to these products our experienced, fully trained sales staff are waiting to help you.

We look forward to receiving your future orders and enquiries.

Andrew P. Bealing

Managing Director

Taybroh Alloys

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The Products We Supply :-

- ◆ Stainless Steel - Aluminium - Copper Alloys - Brass Alloys -
Nickel Alloys - Phosphor Bronze - Lead Bronze - Duplex -
Super Duplex - Industrial Plastics - Cast Iron

Our Product Range Includes :-

- ◆ Sheet - Plate - Round Bar - Flat Bar - Angle - Channel - Tube -
Pipe - Fittings - Flanges - Forgings - Castings

The Processing We Offer :-

- ◆ Bar Cutting from 6mm to 400mm dia
- ◆ Tube & Pipe Cutting
- ◆ Plasma Plate Cutting from 3mm to 100mm
- ◆ Plate Sawing from 3mm to 100mm
- ◆ Sheet & Plate Shearing from 1mm to 10mm
- ◆ Laser Cutting from 1mm to 10mm
- ◆ Sheet & Plate Polishing from Dull Polish to Mirror Polish
- ◆ Plate & Sheet Folding

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◆ Austenitic Heat Resisting Stainless Steels .

Steel Number	Designation	AISI / ASTM	UNS	BS 970
1.4301	X5CrNi18-10	304	S30400	304S15 & 304S31
1.4305	X8CrNiS18-9	303	S30300	303S31
1.4306	X2CrNi19-11	N/A	N/A	N/A
1.4307	X2CrNi18-9	304L	S30403	304S11
1.4401	X5CrNiMo17-12-2	316	S31600	316S31
1.4404	X2CrNiMo17-12-2	316L	S31603	316S11
1.4435	X2CrNiMo18-14-3	N/A	N/A	316S13
1.4436	X3CrNiMo17-13-3	N/A	N/A	316S33
1.4539	X1NiCrMoCu25-20	904L	S08904	N/A
1.4541	X6CrNiTi18-10	321	S32100	321S31
1.4567	X3CrNiCu18-9-4	304Cu	S30430	N/A
1.4570	X6CrNiCuS18-9-2	N/A	N/A	N/A
1.4571	X6CrNiMoTi17-12-2	316Ti	S31635	320S31
1.4828 (1)	X18CrNiSi2012	N/A	N/A	N/A
1.4833 (1)	X12CrNi23-14	309	S30900	N/A
1.4841 (1)	X18CrNiSi25-21	314	S31400	N/A
1.4845 (1)	X8CrNi25-21	310	S31000	310S31
1.4909 (2)	X2CrNiMoN17-12-2	N/A	N/A	N/A

◆ Martensitic / Ferritic Stainless Steels .

Steel Number	Designation	AISI / ASTM	UNS	BS 970
1.4000.	X6Cr13	403	S40300.	403S17
1.4005	X12CrS13	416	S41600.	416S21
1.4006	X12Cr13	410	S41000.	410S21
1.4016	X6Cr17	430	S43000.	430S17
1.4021	X20Cr13	420	S42000.	N/A
1.4028	X30Cr13	420	S42000.	N/A
1.4029	X29CrS13	420F	S42020.	N/A
1.4031	X39Cr13	420	S42000.	N/A
1.4034	X46Cr13	420	S42000.	N/A
1.4057	X17CrNi 16-2	431	S34100.	431S29
1.4104	X14CrMoS17	N/A	N/A	N/A
1.4105	X6CrMoS17	430F	S43020.	N/A
1.4106 (1)	X2CrMoSi S18-2-1	N/A	N/A	N/A
1.4114 (1)	X6CrMoSi 19-2	XM34	S18200.	N/A
1.4460.	X3CrNiMoN27-5-2	329	S32900.	N/A
1.4462	X2CrNiMoN22-5-3	F51	S31803	N/A

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◆ ***Stainless Steel Bar .***

◆ **To BS970 Part1 1991 / EN 10088-3 : 1995.**

Taybroh Alloys stock a wide range of Stainless Steel Bar in

Round

Square

Flat

Angle

Hexagon

The main specifications stocked are **304, 316, 303 and 321 in Austenitic Grades** (all products) and **431, 420, 440 and 416 in Martensitic / Ferritic grades** (round bar only).

All products can be supplied in standard lengths or cut to size to suit your specific requirements.

Our in house automatic sawing facilities enable us to cut from **6mm to 400mm dia** from single cut to high volume multiple cuts to precision tolerances.

Listed in this brochure are the most commonly used sizes. Should you have a requirement for a size or specification not listed, please contact our sales office for more information.

Please note that the weights shown in the weight charts are for guidance purposes only and are calculated using nominal dimensions. Please note that weights can vary due to manufacturing tolerances within BS970 Part1 1991 / EN 10088-3 :1995.

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◆ **Stainless Steel Angle .**

◆ **Metric Size**

Size	Wt.kg/mtr
20mm x 20mm x 3mm	0.95
25mm x 25mm x 3mm	1.13
30mm x 30mm x 3mm	1.35
40mm x 40mm x 3mm	1.76
50mm x 50mm x 3mm	2.24
25mm x 25mm x 5mm	1.9
30mm x 30mm x 5mm	2.18
40mm x 40mm x 5mm	2.96
50mm x 50mm x 5mm	3.76
25mm x 25mm x 6mm	2.24
40mm x 40mm x 6mm	3.51
50mm x 50mm x 6mm	4.45
60mm x 60mm x 6mm	5.42
75mm x 75mm x 6mm	7.05
100mm x 100mm x 6mm	8.95
75mm x 75mm x 10mm	11.85
100mm x 100mm x 10mm	15.05

◆ **Stainless Steel Round Bar .**

◆ **Imperial Size Imperial Size Metric Size**

Size	Wt.kg/mtr	Size	Wt.kg/mtr	Size	Wt.kg/mtr
1/8" dia	0.062	2.1/2" dia	24.9	3mm dia	0.056
3/16" dia	0.14	2.3/4" dia	30	4mm dia	0.099
1/4" dia	0.248	3" dia	36	5mm dia	0.154
5/16" dia	0.338	3.1/4" dia	43	6mm dia	0.222
3/8" dia	0.559	3.1/2" dia	49	8mm dia	0.385
1/2" dia	0.994	3.3/4" dia	56	10mm dia	0.617
5/8" dia	1.55	4" dia	64	12mm dia	0.888
3/4" dia	2.24	4.1/4" dia	72	15mm dia	1.3
7/8" dia	3.04	4.1/2" dia	82	16mm dia	1.58
1" dia	3.98	4.3/4" dia	90	20mm dia	2.47
1.1/8" dia	5.03	5" dia	98	22mm dia	2.98
1.1/4" dia	6.21	5.1/2" dia	121	25mm dia	3.85
1.3/8" dia	7.47	6" dia	144	30mm dia	5.55
1.1/2" dia	8.94	6.1/2" dia	167	35mm dia	7.55
1.5/8" dia	10.5	7" dia	197	40mm dia	9.86
1.3/4" dia	12.2	8" dia	256	45mm dia	12.47
1.7/8" dia	13.98	9" dia	322	50mm dia	15.4
2" dia	15.9	10" dia	397	60mm dia	22.2
2.1/4" dia	20.1	12" dia	575		

◆ **Stainless Steel Flat Bar .**

◆ **Metric Size**

Size	Wt.kg/mtr	Size	Wt.kg/mtr
12mm x 3mm	0.283	40mm x 6mm	1.88
15mm x 3mm	0.355	45mm x 6mm	2.13
20mm x 3mm	0.471	50mm x 6mm	2.36
25mm x 3mm	0.59	65mm x 6mm	3.1
30mm x 3mm	0.71	75mm x 6mm	3.55
40mm x 3mm	0.942	100mm x 6mm	4.71
50mm x 3mm	1.18	150mm x 6mm	7.4
75mm x 3mm	1.8	200mm x 6mm	9.6
100mm x 3mm	2.4	25mm x 8mm	1.58
15mm x 5mm	0.593	30mm x 8mm	1.88
20mm x 5mm	0.785	40mm x 8mm	2.51
25mm x 5mm	0.981	50mm x 8mm	3.14
30mm x 5mm	1.12	100mm x 8mm	6.28
40mm x 5mm	1.57	30mm x 10mm	2.36
50mm x 5mm	1.96	50mm x 10mm	3.93
70mm x 5mm	2.75	75mm x 10mm	5.93
75mm x 5mm	2.94	100mm x 10mm	7.85
100mm x 5mm	3.93	150mm x 10mm	12.2
20mm x 6mm	0.95	200mm x 10mm	16.02
25mm x 6mm	1.18	50mm x 12mm	4.71
30mm x 6mm	1.41	100mm x 12mm	9.42

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◆ ***Stainless Steel Sheet .***

◆ **TO BS 1449 Part 2 1983 / EN 10088 : 1995.**

Taybroh Alloys carry a comprehensive stock of **Stainless Steel Sheet** in grades **304, 316 and 321 Austenitic**. Most sizes are stocked in **Cold Rolled 2B and Dull Polished 1 VC1** finish. Other polished finishes are available upon request.

The sizes listed in this brochure are the most commonly used and stocked. Larger sizes as well as decoiled non-standard sizes are also available.

We offer a wide range of processing including **Shearing and Laser Cutting** to your specific requirements.

For full details of any processed items please contact our Sales Office.

◆ ***Stainless Steel Sheet Weights .***

◆ **Metric Size**

Please note the weights shown are for guidance purposes only and are calculated using nominal dimensions. These weights can vary due to manufacturing tolerances within Standards BS 1449 Part2 1983 / EN 10088 1995.

Thickness	2mtr x 1mtr	2.5mtr x 1.25mtr	3mtr x 1.5mtr
0.8mm	13.1.kg	20.46	N/A
1mm	16.35.kg	25.6.kg	N/A
1.2mm	19.6.kg	30.7.kg	44.2.kg
1.5mm	24.6.kg	38.4.kg	55.2.kg
2mm	32.7.kg	51.2.kg	73.7.kg
2.5mm	40.9.kg	63.94.kg	92.kg
3mm	49.1.kg	76.7.kg	110.kg

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◆ **Stainless Steel Plate .**

◆ **To BS1449 / BS 1501 Part 2 1983 / EN 10088 : 1995.**

Taybroh Alloys offer a wide range of **Stainless Steel Plate** in prime sizes or processed to your requirements.

Thickness ranging from **4mm to 100mm** thick in grades **304, 316 and 321**.

◆ **Processing facilities include :-**

Shearing : from 4mm up to 10mm thick.

Laser Cutting : from 4mm up to 10mm thick.

Cold Sawing : from 4mm up to 100mm thick

Plasma Arc Profiling : from 4mm up to 100mm thick.

We also offer a **Polishing** service on all plate, prime size or processed, for full details of this service please contact our sales office.

◆ **Stainless Steel Plate Weights .**

◆ **Metric Hot Rolled Plate**

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Thickness	3mtr x 1.5mtr	4mtr x 2mtr	6mtr x 2mtr
4mm	148.kg	262.kg	393.kg
5mm	185.kg	328.kg	491.kg
6mm	221.kg	393.kg	590.kg
8mm	295.kg	524.kg	786.kg
10mm	368.kg	N/A	982.kg
12mm	442.kg	N/A	N/A
15mm	552.kg	N/A	N/A
20mm	737.kg	N/A	N/A
25mm	921.kg	N/A	N/A
30mm	1106.kg	N/A	N/A

Please note the weights shown are for guidance purposes only and are calculated using nominal dimensions.
 These weights can vary due to manufacturing tolerances within Standards BS 14449 / BS 1501Part2 1983 / EN 10088 :1995.

◆ ***Stainless Steel Hollow Section .***

Taybroh Alloys offer a comprehensive range of **Square and Rectangular Hollow Section.**

Size Range:- From 12.7mm sq. x 1.5mm Wall up to 150mm sq. x 3mm Wall.
From 30mm x 10mm x 1.5mm up to 250mm x 150mm x 8mm.

Available in Grades :- 304 and 316.

Finishes :- Descaled and Dull Polished.

These products can be supplied in 6 metre lengths, cut to size if required.
For full details please contact our sales office.

◆ ***Stainless Steel Welded Tube .***

We can offer a comprehensive range of **Welded Tube.**

Size Range : - From 1/2"od x 16swg wall up to 10"od x 10swg wall.

Available in Grades :- 304 and 316.

Finishes : - Descaled , Dull Polished or Bright Polished od.

As with the Hollow section all sizes are produced in 6 metre lengths.

◆ ***Stainless Steel Seamless Tube .***

◆ ***To ASTM A269***

We offer a wide range of **Seamless Tube.**

Size Range : - From 3mm od x 1mm Wall up to 100mm od x 12mm Wall.

Available in Grades :- 304, 316 and 321.

Supplied in 6 metre random lengths, we can cut to size to suit your requirements.

◆ ***Stainless Steel Welded Pipe .***

Taybroh Alloys offer a wide range of **Welded Pipe**.

Size range :- 1/2" NB up to 12"NB in Schedule sizes 5, 10 & 40.

Available in Grades :- 304 , 316 and 321.

Supplied in 6mtr lengths or cut to size upon request, for full details of this service please contact our sales office.

◆ ***Stainless Steel Seamless Pipe .***

◆ ***To ASTM A312***

We offer a wide range of **Seamless Pipe** :-

Size Range :- From 1/2"NB to 18"NB in Schedule 5 , 10, 40 and 80.

Available in Grades :- 304 , 316 and 321.

Supplied in 6mtr random lengths or cut to length to suit your requirements.

◆ ***Stainless Steel Flanges & Fittings .***

To compliment our Pipe and Tube range we offer a full range of **Pipe Fittings** and **Flanges** as well as a range of **Welded Tube Fittings** from stock.

Available in grades :- 304, 316 and 321.

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◆ **Aluminium Extrusion .**

◆ **To BS 1474 1987.**

Taybroh Alloys stock a comprehensive range of extruded products in **Round Bar, Flat Bar, Angle, Channel, Tube and Box Section** in grades **6082 and 6063**. All products can be supplied in standard lengths or cut to size as required.

Listed here are the most commonly used sizes, should you require a size or specification not listed please contact our sales office for further information.

◆ **Aluminium Square Bar .**

◆ **Imperial Size**

Imperial Size

Size	Wt. kg/mtr	Size	Wt. kg/mtr
1/4" sq	0.11	2.3/4" sq	13.4
3/8" sq	0.247	3" sq	15.77
1/2" sq	0.439	3.1/2" sq	21.7
5/8" sq	0.686	4" sq	28.12
3/4" sq	0.988	4.1/2" sq	35.9
7/8" sq	1.344	5" sq	45.08
1" sq	1.756	5.1/2" sq	52.9
1.1/4" sq	2.738	6" sq	64.8
1.1/2" sq	3.958		
1.3/4" sq	5.37		
2" sq	7.02		
2.1/4" sq	8.88		
2.1/2" sq	10.98		

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◆ *Aluminium Round Bar .*

◆ *Imperial Size*

Imperial Size

Size	Wt. kg/mtr	Size	Wt.kg/mtr
1/8" dia	0.031	3.1/2" dia	16.82
3/16" dia	0.051	3.3/4" dia	19.35
1/4" dia	0.089	4" dia	22.02
5/16" dia	0.138	4.1/4" dia	24.85
3/8" dia	0.199	4.1/2" dia	27.83
1/2" dia	0.354	4.3/4" dia	30.96
5/8" dia	0.554	5" dia	34.4
3/4" dia	0.796	5.1/4" dia	37.8
7/8" dia	1.083	5.1/2" dia	41.5
1" dia	1.414	5.3/4" dia	45.4
1.1/8" dia	1.786	6" dia	49.4
1.1/4" dia	2.202	6.1/2" dia	58
1.3/8" dia	2.679	7" dia	67.3
1.1/2" dia	3.185	7.1/2" dia	77.2
1.5/8" dia	3.74	8" dia	87.9
1.3/4" dia	4.44	8.1/2" dia	102.3
1.7/8" dia	4.97	9" dia	111.3
2" dia	5.65	10" dia	137.34
2.1/4" dia	7.16	11" dia	166.2
2.1/2" dia	8.86	12" dia	198
2.3/4" dia	10.4		
3" dia	12.37		
3.1/4" dia	14.51		

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◆ **Aluminium Flat Bar .**

◆ **Imperial Size**

Imperial Size

Size	Wt.kg/mtr	Size	Wt.kg/mtr
1/2" x 1/8"	0.11	2.1/2" x 1/2"	2.202
3/4" x 1/8"	0.164	3" x 1/2"	2.63
1" x 1/8"	0.22	4" x 1/2"	3.512
1.1/4" x 1/8"	0.274	5" x 1/2"	4.39
1.1/2" x 1/8"	0.329	6" x 1/2"	5.267
1.3/4" x 1/8"	0.384	1" x 3/4"	1.317
2" x 1/8"	0.439	1.1/2" x 3/4"	1.979
2.1/2" x 1/8"	0.549	2" x 3/4"	2.634
3" x 1/8"	0.658	2.1/2" x 3/4"	3.33
1" x 3/16"	0.329	3" x 3/4"	3.96
1.1/2" x 3/16"	0.494	4" x 3/4"	5.36
2" x 3/16"	0.658	5" x 3/4"	6.58
1/2" x 1/4"	0.22	1.1/2" x 1"	2.634
3/4" x 1/4"	0.329	1.3/4" x 1"	3.13
1" x 1/4"	0.439	2" x 1"	3.512
1.1/4" x 1/4"	0.549	2.1/2" x 1"	4.39
1.1/2" x 1/4"	0.658	3" x 1"	5.27
1.3/4" x 1/4"	0.768	4" x 1"	7.023
2" x 1/4"	0.878	5" x 1"	8.71
2.1/2" x 1/4"	1.098	6" x 1"	10.542
3" x 1/4"	1.317	1.1/2" x 1.1/4"	3.36
4" x 1/4"	1.756	2" x 1.1/4"	4.315
5" x 1/4"	2.158	2" x 1.1/2"	5.267
6" x 1/4"	2.634	3" x 1.1/2"	7.9
1" x 5/16"	0.54	4" x 1.1/2"	10.53
1" x 3/8"	0.658	3" x 2"	10.53
1.1/2" x 3/8"	0.988	4" x 2"	14.05
2" x 3/8"	1.318	6" x 3"	31.55
3" x 3/8"	1.98		
4" x 3/8"	2.634		
3/4" x 1/2"	0.658		
1" x 1/2"	0.878		
1.1/2" x 1/2"	1.317		
1.3/4" x 1/2"	1.533		
2" x 1/2"	1.756		

Please note that the weights shown are for calculation purposes only and are calculated using nominal dimensions, these can vary due to manufacturers tolerances in accordance with BS1474 1987.

◆ Aluminium Angle .

◆ Equal Angle

Un-Equal Angle

Size	Wt.kg/mtr	Size	Wt.kg/mtr
3/8"x 3/8" x 1/16"	0.079.	3/4"x 1/2" x 1/6"	0.129.
1/2"x 1/2" x 1/16"	0.104.	3/4"x 1/2" x 1/8"	0.247.
1/2"x 1/2" x 1/8"	0.192.	1" x 1/2" x 1/16"	0.158.
5/8"x 5/8" x 1/8"	0.247.	1" x 1/2" x 1/8"	0.302.
3/4"x 3/4" x 1/16"	0.159.	1" x 3/4" x 1/16"	0.189.
3/4"x 3/4" x 1/8"	0.302.	1" x 3/4" x 1/8"	0.357.
3/4"x 3/4" x 3/16"	0.431.	1.1/4" x 1/2" x 1/8"	0.356.
3/4"x 3/4" x 1/4"	0.549.	1.1/4" x 3/4" x 1/8"	0.411.
7/8"x 7/8" x 1/8"	0.357.	1.1/4" x 1" x 1/8"	0.466.
1"x 1" x 1/16"	0.213.	1.1/2" x 1/2" x 1/8"	0.411.
1"x 1" x 1/8"	0.411.	1.1/2" x 3/4" x 1/8"	0.466.
1"x 1" x 3/16"	0.597.	1.1/2" x 1" x 1/8"	0.522.
1"x 1" x 1/4"	0.768.	1.3/4" x 3/4" x 1/8"	0.522.
1.1/4" x 1.1/4" x 1/8"	0.519.	2" x 1/2" x 1/8"	0.522.
1.1/4" x 1.1/4" x 3/16"	0.760.	2" x 3/4" x 1/8"	0.576.
1.1/4" x 1.1/4" x 1/4"	0.986.	2" x 1" x 1/8"	0.631.
1.1/2" x 1.1/2" x 1/8"	0.631.	2" x 1" x 3/16"	0.925.
1.1/2" x 1.1/2" x 3/16"	0.925.	2" x 1" x 1/4"	1.205.
1.1/2" x 1.1/2" x 1/4"	1.207.	2" x 1.1/2" x 1/8"	0.741.
1.3/4" x 1.3/4" x 1/8"	0.744.	2" x 1.1/2" x 3/16"	1.101.
2" x 2" x 1/16"	0.429.	2" x 1.1/2" x 1/4"	1.427.
2" x 2" x 1/8"	0.851.	2.1/2" x 1" x 1/8"	0.741.
2" x 2" x 3/16"	1.256.	2.1/2" x 1.1/2" x 1/8"	0.851.
2" x 2" x 1/4"	1.652.	2.1/2" x 1.1/2" x 3/16"	1.266.
2" x 2" x 3/8"	2.420.	2.1/2" x 1.1/2" x 1/4"	1.652.
2.1/2" x 2.1/2" x 1/8"	1.070.	3" x 1" x 1/8"	0.856.
2.1/2" x 2.1/2" x 1/4"	2.083.	3" x 1" x 1/4"	1.652.
3" x 3" x 1/8"	1.284.	3" x 1.1/2" x 1/8"	0.958.
3" x 3" x 1/4"	2.531.	3" x 1.1/2" x 1/4"	1.860.
3" x 3" x 3/8"	3.705.	3" x 2" x 1/8"	1.070.
4" x 4" x 1/4"	3.467.	3" x 2" x 1/4"	2.083.
4" x 4" x 3/8"	5.020.	4" x 1" x 1/8"	1.068.
4" x 4" x 1/2"	6.550.	4" x 2" x 1/8"	1.270.
6" x 6" x 1/2"	10.10.	4" x 2" x 1/4"	2.634.
		6" x 3" x 3/8"	5.744.

Please note that the weights shown are for calculation purposes only and are calculated using nominal dimensions, these can vary due to manufacturers tolerances in accordance with BS1474 1987.

Aluminium Tube . Round Imperial

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Size	Wt. kg/mtr	Size	Wt.kg/mtr
3/8" od x 16swg	0.109.	1.29/32" od x 7swg	1.652.
1/2" od x 18swg	0.120.	2" od x 16swg	0.680.
1/2" od x 16swg	0.153.	2" od x 10swg	1.320.
1/2" od x 10swg	0.260.	2." od x 1/4"	2.411.
5/8" od x 18swg	0.152.	2.1/2" od x 16swg	0.860.
5/8" od x 16swg	0.200.	2.1/2" od x 10swg	1.670.
5/8" od x 10swg	0.350.	2.1/2" od x 1/4"	3.110.
3/4" od x 18swg	0.184.	3" od x 16swg	1.051.
3/4" od x 16swg	0.241.	3" od x 10swg	2.030.
3/4" od x 10swg	0.440.	3" od x 1/4"	3.780.
7/8" od x 16swg	0.284.	3.1/2" od x 16swg	1.250.
7/8" od x 10swg	0.524.	3.1/2" od x 10swg	2.370.
1" od x 16swg	0.330.	3.1/2" od x 1/4"	4.480.
1" od x 10swg	0.612.	4" od x 16swg	1.381.
1.1/4" od x 16swg	0.415.	4" od x 10swg	2.730.
1.1/4" od x 10swg	0.790.	4" od x 1/4"	5.170.
1.1/2" od x 16swg	0.503.	5" od x 10swg	3.440.
1.1/2" od x 10swg	0.963.	6" od x 10swg	4.120.
1.1/2" od x 1/4"	1.710.	6" od x 1/4"	7.950.
1.3/4" od x 16swg	0.591.		
1.3/4" od x 10swg	1.140.		

Aluminium Box Section . Square Imperial

Rectangular Imperial

Size	Wt. kg/mtr	Size	Wt. kg/mtr
1/2" x 1/2" x 16swg	0.200.	1.1/2" x 1" x 16swg	0.530.
3/4" x 3/4" x 16swg	0.320.	1.1/2" x 1" x 10swg	1.010.
1" x 1" x 16swg	0.422.	2" x 1" x 10swg	1.240.
1" x 1" x 10swg	0.780.	2" x 1.1/2" x 10swg	1.440.
1.1/4" x 1.1/4" x 16swg	0.544.	3" x 1" x 10swg	1.727.
1.1/4" x 1.1/4" x 10swg	0.984.	3" x 1.1/2" x 10swg	1.907.
1.1/2" x 1.1/2" x 16swg	0.666.	3" x 1.3/4" x 10swg	2.020.
1.1/2" x 1.1/2" x 10swg	1.218.	3" x 2" x 10swg	2.140.
1.3/4" x 1.3/4" x 10swg	1.453.	4" x 1" x 10swg	2.100.
2" x 2" x 16swg	0.871.	4" x 2" x 10swg	2.561.
2" x 2" x 10swg	1.700.		
3" x 3" x 10swg	2.523.		
4" x 4" x 10swg	3.495.		

Please note that the weights shown are for calculation purposes only and are calculated using nominal dimensions, these can vary due to manufacturers tolerances in accordance with BS1474 1987.

◆ **Aluminium Sheet .**

◆ **To BS 1470 1987**

Taybroh Alloys offer a wide range of **Aluminium Sheet** in grade 1050 from 0.5mm to 3mm thick in sheet sizes 2500mm x 1000mm and 2500mm x 1250mm, the majority of stock sheets are vinyl coated one side.

Listed here are the most commonly used sizes and specifications, should you require a size or specification not listed here, please contact our sales office for further information.

◆ **Aluminium Sheet Weights .**

◆ **Metric Size**

Thickness	2mtr x 1mtr	2.5mtr x 1.25mtr	3mtr x 1.5mtr
1mm	5.43.kg	8.48.kg	12.2.kg
1.2mm	6.5.kg	10.2.kg	14.65.kg
1.5mm	8.15.kg	12.75.kg	18.3.kg
2mm	10.9.kg	16.95.kg	24.4.kg
2.5mm	13.6.kg	12.2.kg	29.75.kg
3mm	16.3.kg	25.45.kg	36.6.kg

Please note the weights shown here are for guidance purposes only and are calculated using nominal dimensions. These weights can vary due to manufacturers tolerances within British Standards BS 1470 1987.

◆ **Aluminium Plate .**

◆ **To BS1470 1987**

Taybroh Alloys offer a wide range of Aluminium Plate .

◆ **Size Range :-**

Thickness ranging from **3mm to 150mm thick**

Can be supplied in standard sizes or cut to suit your requirements

◆ **Types of Processing :-**

Sawing from 3mm to 150mm thick producing rings as well as rectangles and square.

Shearing from 3mm to 12mm thick.

Laser Cutting to shape from 3mm to 12mm thick.

◆ **Specifications Stocked :-**

Grades 6082 and 5083, other grades available on request, please contact our Sales Office for more information.

◆ **Aluminium 5-Bar Treadplate**

◆ **Size Range :-**

Stock Plate Sizes: 2000mm x 1000mm, 2500mm x 1250mm, 3000mm x 1500mm.

Thickness Range: 2mm, 3mm, 4.5mm and 6mm.

(Other sizes, thickness and patterns available on request)

◆ **Cast Aluminium Tooling Plate**

To complete our Aluminium Plate range we now offer Cast Tooling Plate, surface ground to close tolerances, sawn to suit your requirements.

◆ **Size Range :-**

Thickness from **5mm to 50mm metric** and from **1/4" to 2.1/2" imperial**.

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♦ **Nickel Alloys .**

Taybroh Alloys offer a wide range of Nickel Alloys in

- ♦ **Bar**
- ♦ **Bored Bar**
- ♦ **Billet**
- ♦ **Tube**
- ♦ **Pipe**
- ♦ **Blanks**
- ♦ **Forgings**

All products can be supplied with full test certification upon request.

Listed below are the main specifications available :-

- ♦ **Alloy 400. BS 3076 NA13 / ASTM B164 / UNS N04400.**
- ♦ **Alloy K500. BS 3076 NA18 / UNS N05500.**
- ♦ **Alloy 625. BS3076 NA21 / ASTM B446 / UNS06625.**
- ♦ **Alloy 825. BS 3076 NA16 / ASTM B425 / UNS N08825.**
- ♦ **Alloy C-276. ASTM B574 / UNS10276.**
- ♦ **Stainless Steel Duplex 2205. ASTM A182 (F51) / UNS S31803.**
- ♦ **Stainless Steel 254 SMO. ASTM A182 (F44) / UNS S31254.**
- ♦ **Stainless Steel 17-4 PH. ASTM A564 / UNS S17400.**

Should you require any specifications or products not listed, please contact a member of our sales team for availability.

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◆ **Brass .**

◆ **Bar**

Taybroh Alloys offer a range of **Brass Bar** , Round bar sizes ranging from **3/16" dia up to 6" dia** in grades **CZ121** and **CZ114**, supplied in stock lengths or cut to size to suit your requirements.

◆ **Sheet & Plate**

Sizes available **2mtr x 1mtr** and **4ft x 2ft** , thickness sizes range from **20swg to 12mm** in grade **CZ108**. These products can also be cut to size to your requirements.

◆ **Bronze .**

◆ **Bar**

Sizes range from **1/2" dia to 12" dia** in grade **SAE660**.

◆ **Hollow Bar**

Sizes available are from **1"od x 1/4" wall** up to **12"od x 2" wall**, in **SAE 660**.

◆ **Bronze Castings**

Castings can be supplied to suit your requirements , usually within **5 / 7 days**.

If you have a size or specification not listed here, please contact our sales office for further information.

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◆ **Engineering Plastics .**

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Taybroh Alloys now offer a wide range of **Engineering Plastics** to compliment our other products, the product range includes **Round Bar, Rectangular Bar, Tube, Sheet and Plate.**

◆ **Thermoplastics**

Thermoplastics available include **Acetal, Acrylic, Nylon 66 (Cast & Extruded), Nylon 6 (Cast & Extruded), PETP, Polycarbonate, Polypropylene, PTFE and PVC.**

◆ **Laminated Plastics**

We offer a wide range of **Laminated Plastics** in **Rod, Tube and Sheet** form .

Please contact our sales office if you require more information regarding the above products.

◆ **Cast Iron .**

◆ **BS 1452 Grade 17 / Nodular Cast / SG Iron**

Taybroh Alloys can offer a wide range of **Cast Iron**. A new product to our range, sizes are available in round bar form from **25mm dia to 450mm dia**. We also offer a range of **flat and square bar**, details of which are available on request.

Note:

Whilst we have made every effort to ensure the information contained in this brochure is correct. Taybroh Alloy & Stainless Steels Ltd assume no responsibility for errors in, or misinterpretation of the information in this brochure.

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Taybroh Alloys

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Company Quality Policy Statement

It is the aim of Taybroh Alloy & Stainless Steels Ltd to provide a stockist service to the highest standard that fully satisfies the agreed requirements of our customers within the engineering related industries.

In order to satisfy these requirements and ensure our stockist service remains competitive in the market place, Taybroh Alloy & Stainless Steels Ltd recognise that quality is vital throughout the company and in the materials obtained from their suppliers.

To further these objectives as a fundamental part of the company's commitment to quality, the company has established and documented a quality management system that encompasses all functions affecting quality within the organisation and which meets the requirements of ISO 9001:2015.

Taybroh Alloy & Stainless Steels Ltd have therefore made quality a discipline central to all aspects of the company's structure and operation and it is the aim and responsibility of all personnel to strive for customer satisfaction first time, every time. This in turn will contribute to the continued prosperity of the company.

The quality system is subject to regular audit and review in order to detect and prevent possible errors and to ensure that it continues to support the company's policies.

The quality assurance manual, together with the associated operating procedures and work instructions contained elsewhere, must be regarded as mandatory working documents. It is the responsibility of all staff to ensure their part in the company quality policy is understood, implemented and maintained at all times.

K.M. Bealing.

Quality Assurance Manager



Approval Certificate No: 911701

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