




P&P BORNMORE
METALS

THE STOCK LIST

SERVICE WITHOUT COMPROMISE SINCE 1980

With an extensive inventory of metals, all held locally for fast lead times, P&P Bornmore Metals provides tailored solutions for a wide range of metal needs, from full bars and sheets to cut plates and billets. Our team is dedicated to delivering precision, speed and reliability with every order - all at highly competitive prices.

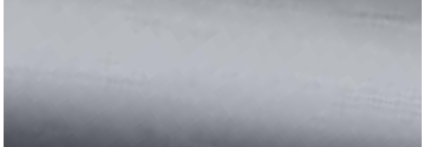









#SO MUCH MORE

www.ppbornmoremetals.co.uk



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BAR, TUBE, SHEET, PLATE

We offer our customers instant access to a comprehensive inventory of metal product lines in a variety of shapes and sizes available for immediate delivery, including stainless steel, duplex, super duplex, brass, copper, aluminium, aluminium bronze, leaded bronze, phosphor bronze, nickel alloys, and more.



OUR STORY

P&P Bornmore Metals is a merger of P&P Non-Ferrous and Bornmore Metals, but it also incorporates Ferrari Stainless and Alloys, Abacus Tubes, C.G. Rees (Supply), Sheffield Metals & Plastics and Ravenace Metals, and together we have built a reputation as a trusted partner for top-quality, multi-metal products and exceptional customer service.

We strive to carefully source a range of high-quality materials for our diverse market sectors and ensure we deliver on our promises on time, every time.

If you are looking at your supply chain and want a reliable and experienced supplier of metal raw materials, then we want to be talking to you.

THIS IS WHAT WE DO

Our dedicated team is committed to delivering excellence at every turn, and we take pride in offering a comprehensive suite of solutions designed to meet and exceed your diverse needs.

It's not just about having stock, you need to be able to get that stock picked and out to site fast. This is what we have always done and we still do everything we can to pull out all the stops for customers now.



DELIVERING SERVICE

As well as offering an extensive stock range of metals to a wide range of markets, P&P Bornmore Metals are proud to offer value-added services to all our customers. This includes competitive pricing, fast delivery of goods, in-house cutting and polishing, and friendly customer service from the initial enquiry through to completion.

CUTTING CENTRE

We've recently made significant investments in our cutting machinery to enable us to provide material closer to our customer's finished machine sizes. The fully-automated saws have been designed for mass production sawing of solid material, sheet, plate, bars, tubes and profiles, offering several benefits including speed, safety, efficiency and accuracy.

Our state-of-the-art Kasto metal bar saw gives cutting-edge accuracy on all metals up to 20" diameter, and our Tyro plate saw can make precise cuts on material up to 6" in thickness.

POLISHING SERVICE

We offer polishing services on a wide range of brass, copper and stainless steel - even polishing bronze and aluminium on the odd occasion!

Our machines can remove any defects and scratches from the metals, and create a smooth and shiny surface, all on a quick turnaround. We also strive to reduce our customer's costs and lead times by offering finished product in both dull and mirror polish finishes through our in-house processing.



STAINLESS STEEL



Stainless steel is a type of alloy that is resistant to rusting and corrosion. It is made of iron, chromium, and nickel, and sometimes other elements like carbon are added to obtain the desired properties. The chromium in stainless steel forms a passive film that can protect the material and self-heal in the presence of oxygen, which makes it resistant to rusting and corrosion.

Stainless steel is used in a variety of applications such as cookware, cutlery, surgical instruments, major appliances, vehicles, construction material in large buildings, industrial equipment, storage tanks, tankers for chemicals and food products. The biological cleanability of stainless steel is superior to both aluminium and copper, and comparable to glass.

There are more than 100 different grades of stainless steel available and we stock a comprehensive range in a variety of grades, forms and sizes, including the higher strength and corrosion resistant duplex and super duplex alloys.



STOCKED GRADES:

303	304/L	316/L	321	416S21	431S29	440C	UNS S17400	UNS S32154	UNS 31803	UNS S32760
1.4305	1.4301 1.4307	1.4401 1.4404	1.4541	1.4005	1.4057	1.4125	17-4PH	1.4547	1.4462	1.4501
								DUPLEX	DUPLEX	SUPER DUPLEX

PRODUCT TYPES:



STAINLESS STEEL

BS EN 10088-3

STAINLESS STEEL

BS EN 10088-3

ROUND BAR

SIZE (Diameter)		WEIGHT (kg/m)	GRADES							
1.59mm	0.063"	0.02	303		316/L					
2.38mm	0.094"	0.04	303	304/L						
2.5mm	0.098"	0.04		304/L						
3mm	0.118"	0.06	303	304/L	316/L					
3.175mm	0.125"	0.07	303	304/L	316/L					17-4PH
3.57mm	0.141"	0.08				416S21				
4mm	0.157"	0.10	303	304/L	316/L					
4.76mm	0.187"	0.14	303	304/L	316/L			431S29		
5mm	0.197"	0.16	303	304/L	316/L					
6mm	0.236"	0.23	303	304/L	316/L					
6.35mm	0.25"	0.25	303	304/L	316/L					
7.137mm	0.281"	0.32	303							
7.94mm	0.312"	0.40	303	304/L	316/L					
8mm	0.315"	0.40	303	304/L	316/L			431S29		17-4PH
9.525mm	0.375"	0.59	303	304/L	316/L			431S29		17-4PH
10mm	0.394"	0.63	303	304/L	316/L			431S29	440C	17-4PH
11.1mm	0.437"	0.78	303	304/L	316/L			431S29		
12mm	0.472"	0.91	303	304/L	316/L			431S29		
12.7mm	0.5"	1.01	303	304/L	316/L	321		431S29		17-4PH
13mm	0.512"	1.10			316/L				440C	
14mm	0.551"	1.23	303	304/L	316/L					
14.3mm	0.563"	1.28	303	304/L	316/L			431S29		
15mm	0.591"	1.41	303	304/L	316/L					
15.875mm	0.625"	1.58	303	304/L	316/L			431S29		17-4PH
16mm	0.63"	1.61	303	304/L	316/L			431S29	440C	
17mm	0.669"	1.82	303		316/L					
17.463mm	0.688"	1.99			316/L					
18mm	0.709"	2.04	303	304/L	316/L					
19mm	0.748"	2.27		304/L						
19.05mm	0.75"	2.37	303	304/L	316/L		416S21	431S29		17-4PH
20mm	0.787"	2.50	303	304/L	316/L	321			440C	
22mm	0.866"	3.00	303	304/L	316/L					
22.225mm	0.875"	3.07	303	304/L	316/L			431S29		17-4PH
24mm	0.945"	3.62	303	304/L	316/L					
25mm	0.984"	3.93	303	304/L	316/L		416S21			
25.4mm	1"	4.03	303	304/L	316/L	321		431S29		17-4PH
25.6mm	1.008"	4.12							440C	
27mm	1.063"	4.58		304/L	316/L					
28.575mm	1.125"	5.10	303	304/L	316/L			431S29	440C	17-4PH
30mm	1.181"	5.63	303	304/L	316/L		416S21		440C	
31.75mm	1.25"	6.30	303	304/L	316/L			431S29		17-4PH
32.5mm	1.28"	6.64							440C	
34.925mm	1.375"	7.63	303	304/L	316/L					
35mm	1.378"	7.65	303	304/L	316/L					17-4PH
36mm	1.417"	8.14		304/L						
38mm	1.496"	9.07							440C	
38.1mm	1.5"	9.08	303	304/L	316/L			431S29	440C	17-4PH
40mm	1.575"	10.05	303	304/L	316/L					
40.2mm	1.583"	10.54							440C	
40.233mm	1.584"	10.55							440C	

ROUND BAR (continued)

SIZE (Diameter)		WEIGHT (kg/m)	GRADES							
41.275mm	1.625"	10.70	303	304/L	316/L			416S21		17-4PH
44.45mm	1.75"	12.34	303	304/L	316/L			416S21	431S29	440C
45mm	1.772"	12.66	303	304/L	316/L					
45.2mm	1.78"	13.32								440C
46mm	1.811"	13.16			316/L					17-4PH
47.625mm	1.875"	14.08	303	304/L	316/L					
47.91mm	1.886"	14.42								440C
48mm	1.89"	14.48								440C
50mm	1.969"	15.71	303	304/L	316/L				431S29	
50.7mm	1.996"	16.15								440C
50.8mm	2"	16.14	303	304/L	316/L	321		416S21	431S29	17-4PH
51mm	2.008"	16.34								440C
53.975mm	2.125"	18.31	303	304/L	316/L				431S29	
54.95mm	2.163"	19.68								440C
57mm	2.244"	20.41								440C
57.15mm	2.25"	20.42	303	304/L	316/L				431S29	440C
57.5mm	2.264"	21.55							431S29	
60mm	2.362"	22.50	303	304/L	316/L					17-4PH
60.325mm	2.375"	22.87	303	304/L	316/L					17-4PH
63.5mm	2.5"	25.20	303	304/L	316/L				431S29	
63.8mm	2.512"	26.53							431S29	
66.2mm	2.606"	28.57								440C
66.675mm	2.625"	27.93	303	304/L	316/L				431S29	
68.5mm	2.697"	28.56						416S21		17-4PH
69.85mm	2.75"	30.50	303	304/L	316/L					
70mm	2.756"	30.60	303		316/L				431S29	440C
73.025mm	2.875"	33.51	303	304/L	316/L					
75mm	2.953"	34.99			316/L					17-4PH
76.2mm	3"	36.30	303	304/L	316/L	321				17-4PH
76.454mm	3.01"	36.73								
80mm	3.15"	39.81	303	304/L	316/L					
82.55mm	3.25"	43.88	303	304/L	316/L				431S29	
85mm	3.346"	44.94			316/L				431S29	17-4PH
88.9mm	3.5"	49.16	303	304/L	316/L	321			431S29	
90mm	3.543"	50.38	303	304/L	316/L				431S29	440C
90.5mm	3.563"	51.46								17-4PH
91mm	3.583"	51.51			316/L					
95mm	3.74"	56.71								440C
95.25mm	3.75"	56.43	303	304/L	316/L					440C
100mm	3.937"	62.20	303	304/L					431S29	
101.6mm	4"	64.21	303	304/L	316/L				431S29	
107.95mm	4.25"	72.49	303	304/L	316/L					
114.3mm	4.5"	81.27	303	304/L	316/L				431S29	
120.65mm	4.75"	90.55	303	304/L	316/L					17-4PH
127mm	5"	100.33	303	304/L	316/L				431S29	
130mm	5.118"	105.12	303						431S29	
133.1mm	5.24"	110.20	303	304/L						
133.35mm	5.25"	110.61	303	304/L	316/L					
139.7mm	5.5"	121.40	303	304/L	316/L					
142mm	5.591"	126.69								440C

STAINLESS STEEL

BS EN 10088-3

STAINLESS STEEL

BS EN 10088-3

ROUND BAR (continued)

SIZE (Diameter)		WEIGHT (kg/m)	GRADES							
146.05mm	5.75"	132.68			304/L	316/L				
152.4mm	6"	144.47	303		304/L	316/L				17-4PH
158.75mm	6.25"	156.76			304/L	316/L			43IS29	
165.1mm	6.5"	169.55	303		304/L	316/L				
171.45mm	6.75"	182.85			304/L	316/L			43IS29	
177.8mm	7"	196.64	303		304/L	316/L			43IS29	
184.15mm	7.25"	210.94				316/L				
185mm	7.283"	212.89			304/L	316/L			43IS29	
190.5mm	7.5"	225.74	303		304/L	316/L				
203.2mm	8"	256.84			304/L	316/L				
215.9mm	8.5"	289.95			304/L	316/L				
220mm	8.661"	301.07			304/L	316/L			43IS29	
228.6mm	9"	325.06			304/L	316/L				
241.3mm	9.5"	362.18			304/L	316/L				
254mm	10"	401.31			304/L	316/L				
266.7mm	10.5"	442.45			304/L					
270mm	10.63"	453.46	303		304/L	316/L				
279.4mm	11"	485.59			304/L	316/L				
292.1mm	11.5"	530.74			304/L	316/L				
304.8mm	12"	577.89			304/L	316/L				
317.5mm	12.5"	633.38								17-4PH
340mm	13.386"	719.07				316/L				
342mm	13.465"	734.91				316/L				
355.6mm	14"	786.57			304/L	316/L				17-4PH
368.3mm	14.5"	843.76				316/L				
381mm	15"	902.95				316/L				
406.4mm	16"	1027.36			304/L	316/L				
457.2mm	18"	1300.25			304/L	316/L				
508mm	20"	1621.46				316/L				

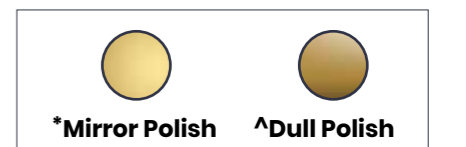
HEX BAR

SIZE (A/F)		WEIGHT (kg/m)	GRADES	
5mm	0.197"	0.17	303	
6.35mm	0.25"	0.29	303	
8mm	0.315"	0.44	303	
10mm	0.394"	0.69	303	316/L
12.7mm	0.5"	1.16	303	316/L
13mm	0.512"	1.17	303	
14mm	0.551"	1.36		316/L
14.275mm	0.562"	1.41	303	316/L
15.24mm	0.6"	1.67	303	316/L
15.875mm	0.625"	1.81	303	316/L
17mm	0.669"	2.08	303	
18.03mm	0.71"	2.25	303	316/L
19.05mm	0.75"	2.61	303	316/L
20mm	0.787"	2.77	303	316/L
20.64mm	0.813"	2.95	303	316/L
20.83mm	0.82"	3.12	303	
22.225mm	0.875"	3.42	303	316/L
23.37mm	0.92"	3.78	303	316/L
24mm	0.945"	3.99	303	316/L
25.4mm	1"	4.64	303	316/L
25.65mm	1.01"	4.56	303	316/L
27mm	1.063"	5.24	303	316/L
27.94mm	1.1"	5.61	303	
28.575mm	1.125"	5.87	303	316/L
30mm	1.181"	6.47	303	316/L
30.48mm	1.2"	6.68	303	316/L
31.75mm	1.25"	7.25	303	316/L
33.02mm	1.3"	7.84	303	
34.925mm	1.375"	8.45	303	
36mm	1.417"	8.98	303	316/L
37.59mm	1.48"	9.79	303	316/L
38.1mm	1.5"	10.43	303	316/L
41mm	1.614"	11.65	303	316/L
41.275mm	1.625"	11.80	303	316/L
42.42mm	1.67"	12.47	303	316/L
44.45mm	1.75"	13.69	303	316/L
46mm	1.811"	14.66		316/L
50.8mm	2"	17.88	303	316/L
52.07mm	2.05"	18.78	303	316/L
55mm	2.165"	20.96	303	316/L
76.2mm	3"	40.23	303	

SQUARE BAR

SIZE (W x H)		WEIGHT (kg/m)	GRADES	
5mm	0.197"	0.20	304/L	
6mm	0.236"	0.28	304/L	
10mm	0.394"	0.79	304/L*	316/L
12mm	0.472"	1.14	304/L	
12.7mm	0.5"	1.34		316/L
15mm	0.591"	1.78	304/L	
16mm	0.63"	2.05	304/L	
20mm	0.787"	3.32	304/L	316/L
22mm	0.866"	4.02	304/L	
25mm	0.984"	5.00	304/L	316/L
25.4mm	1"	5.36		316/L
30mm	1.181"	7.47	304/L	
31.75mm	1.25"	8.07		316/L^
38.1mm	1.5"	11.61	304/L^	
40mm	1.575"	13.28	304/L	
44.45mm	1.75"	15.81	304/L	316/L
50mm	1.969"	20.00	304/L	316/L
50.8mm	2"	20.65	304/L	316/L
60mm	2.362"	29.88	304/L	316/L
63.5mm	2.5"	32.26	304/L	316/L^
70mm	2.756"	39.20		316/L
76.2mm	3"	48.19	304/L	316/L^
88.9mm	3.5"	63.23		316/L
90mm	3.543"	64.80		316/L
101.6mm	4"	82.58		316/L

ALSO AVAILABLE FROM STOCK AS:



STAINLESS STEEL

BS EN 10088-3

STAINLESS STEEL

BS EN 10219-2, ASTM A554

FLAT BAR

SIZE (W x H)	WEIGHT (kg/m)	GRADES
12 x 3mm	0.472 x 0.118"	0.29 304/L 316/L
12 x 5mm	0.472 x 0.197"	0.48 304/L 316/L
12 x 6mm	0.472 x 0.236"	0.58 304/L
15 x 3mm	0.591 x 0.118"	0.36 304/L
15 x 5mm	0.591 x 0.197"	0.60 304/L
20 x 5mm	0.787 x 0.197"	0.79 304/L
20 x 6mm	0.787 x 0.236"	0.96 304/L
20 x 8mm	0.787 x 0.315"	1.28 304/L
20 x 10mm	0.787 x 0.394"	1.66 304/L 316/L
20 x 12mm	0.787 x 0.472"	1.99 304/L
20 x 15mm	0.787 x 0.591"	2.49 304/L 316/L
25 x 3mm	0.984 x 0.118"	0.62 304/L
25 x 5mm	0.984 x 0.197"	0.99 304/L 316/L
25 x 6mm	0.984 x 0.236"	1.25 304/L 316/L
25 x 8mm	0.984 x 0.315"	1.60 304/L
25 x 10mm	0.984 x 0.394"	2.00 304/L 316/L
25 x 15mm	0.984 x 0.591"	3.00 304/L 316/L
25 x 20mm	0.984 x 0.787"	4.00 304/L 316/L
30 x 3mm	1.181 x 0.118"	0.72 304/L 316/L
30 x 5mm	1.181 x 0.197"	1.20 304/L
30 x 6mm	1.181 x 0.236"	1.49 304/L 316/L
30 x 8mm	1.181 x 0.315"	1.92 304/L
30 x 10mm	1.181 x 0.394"	2.40 304/L 316/L
30 x 12mm	1.181 x 0.472"	2.99 304/L 316/L
30 x 15mm	1.181 x 0.591"	3.60 304/L 316/L
30 x 20mm	1.181 x 0.787"	4.73 304/L 316/L
30 x 25mm	1.181 x 0.984"	6.00 304/L
35 x 10mm	1.378 x 0.394"	2.91 304/L
38.1 x 15.88mm	1.5 x 0.625"	4.84 304/L 316/L [^]
38.1 x 25.4mm	1.5 x 1"	7.74 304/L 316/L [^]
40 x 5mm	1.575 x 0.197"	1.58 304/L
40 x 6mm	1.575 x 0.236"	1.89 304/L 316/L
40 x 8mm	1.575 x 0.315"	2.66 304/L 316/L
40 x 10mm	1.575 x 0.394"	3.32 304/L
40 x 12mm	1.575 x 0.472"	3.84 304/L
40 x 15mm	1.575 x 0.591"	4.98 304/L
40 x 20mm	1.575 x 0.787"	6.64 304/L 316/L
40 x 25mm	1.575 x 0.984"	8.3 304/L 316/L
40 x 30mm	1.575 x 1.181"	9.96 304/L
44.45 x 25.4mm	1.75 x 1"	9.03 304/L 316/L
45 x 6mm	1.772 x 0.236"	2.16 304/L
50 x 6mm	1.969 x 0.236"	2.49 304/L
50 x 12mm	1.969 x 0.472"	4.8 304/L
50 x 25mm	1.969 x 0.984"	10 304/L
50 x 30mm	1.969 x 1.181"	12.45 304/L
50 x 40mm	1.969 x 1.575"	16 304/L 316/L
50.8 x 31.75mm	2 x 1.25"	12.79 304/L 316/L [^]
60 x 3mm	2.362 x 0.118"	1.44 304/L
60 x 6mm	2.362 x 0.236"	2.841 304/L
60 x 12mm	2.362 x 0.472"	5.98 304/L 316/L

FLAT BAR (continued)

SIZE (W x H)	WEIGHT (kg/m)	GRADES
60 x 15mm	2.362 x 0.591"	7.2 304/L
60 x 20mm	2.362 x 0.787"	9.6 304/L
60 x 25mm	2.362 x 0.984"	12 304/L
60 x 30mm	2.362 x 1.181"	14.4 304/L 316/L
60 x 40mm	2.362 x 1.575"	19.2 304/L
60 x 50mm	2.362 x 1.969"	23.56 304/L
63.5 x 28.58mm	2.5 x 1.125"	14.39 304/L 316/L [^]
63.5 x 31.75mm	2.5 x 1.25"	15.99 304/L 316/L
63.5 x 38.1mm	2.5 x 1.5"	19.36 304/L 316/L [^]
63.5 x 50.8mm	2.5 x 2"	25.81 304/L 316/L
65 x 12mm	2.559 x 0.472"	6.24 304/L
65 x 15mm	2.559 x 0.591"	8.09 304/L 316/L
70 x 20mm	2.756 x 0.787"	11.20 304/L
70 x 25mm	2.756 x 0.984"	13.88 304/L
70 x 30mm	2.756 x 1.181"	16.80 304/L
70 x 40mm	2.756 x 1.575"	22.40 304/L
70 x 50mm	2.756 x 1.969"	28.00 304/L
75 x 5mm	2.953 x 0.197"	3.11 304/L
75 x 10mm	2.953 x 0.394"	6.23 304/L
75 x 15mm	2.953 x 0.591"	9.00 304/L
75 x 25mm	2.953 x 0.984"	15.56 304/L 316/L
75 x 30mm	2.953 x 1.181"	18.00 304/L 316/L
75 x 40mm	2.953 x 1.575"	24.00 304/L 316/L
76.2 x 31.75mm	3 x 1.25"	19.19 304/L 316/L [^]
76.2 x 38.1mm	3 x 1.5"	23.23 304/L 316/L
80 x 6mm	3.15 x 0.236"	3.98 304/L
80 x 8mm	3.15 x 0.315"	5.31 304/L
80 x 10mm	3.15 x 0.394"	6.31 304/L
80 x 12mm	3.15 x 0.472"	7.97 304/L
80 x 20mm	3.15 x 0.787"	13.28 304/L 316/L
80 x 30mm	3.15 x 1.181"	19.20 304/L 316/L
80 x 40mm	3.15 x 1.575"	25.60 304/L 316/L
82.55 x 31.75mm	3.25 x 1.25"	20.78 304/L 316/L [^]
100 x 5mm	3.937 x 0.197"	3.95 304/L
100 x 10mm	3.937 x 0.394"	8.00 304/L
100 x 25mm	3.937 x 0.984"	20.00 304/L 316/L
100 x 30mm	3.937 x 1.181"	24.00 304/L 316/L
100 x 40mm	3.937 x 1.575"	33.20 304/L
100 x 50mm	3.937 x 1.969"	41.50 304/L
105 x 10mm	4.134 x 0.394"	8.40 304/L
125 x 15mm	4.921 x 0.591"	15.56 304/L 316/L
125 x 30mm	4.921 x 1.181"	31.13 304/L 316/L
150 x 5mm	5.906 x 0.197"	5.92 304/L
160 x 30mm	6.299 x 1.181"	39.84 304/L

ALSO AVAILABLE FROM STOCK AS:



TUBE

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES
9.53 x 0.91mm	0.375 x 0.036"	0.20 316/L*
12.7 x 0.91mm	0.5 x 0.036"	0.27 316/L*
12.7 x 1.219mm	0.5 x 0.048"	0.35 304/L*
12.7 x 1.5mm	0.5 x 0.059"	0.42 316/L*
15.88 x 1.5mm	0.625 x 0.059"	0.54 304/L 316/L*
16 x 1.5mm	0.63 x 0.059"	0.54 304/L [^]
18 x 2mm	0.709 x 0.079"	0.80 304/L
19.05 x 1.5mm	0.75 x 0.059"	0.66 304/L 316/L*
20 x 1.5mm	0.787 x 0.059"	0.69 304/L [^]
20 x 2mm	0.787 x 0.079"	0.91 316/L [^]
22 x 1.5mm	0.866 x 0.059"	0.77 316/L*
22 x 2mm	0.866 x 0.079"	1.01 316/L
22.23 x 1.5mm	0.875 x 0.059"	0.78 316/L*
25 x 1.5mm	0.984 x 0.059"	0.87 316/L*
25 x 2mm	0.984 x 0.079"	1.14 316/L [^]
25.4 x 1.2mm	1 x 0.047"	0.73 304/L 316/L*
25.4 x 1.5mm	1 x 0.059"	0.90 304/L [^] 316/L ^{^*}
25.4 x 6.35mm	1 x 0.25"	3.04 316/L [^]
28 x 1.5mm	1.102 x 0.059"	1.00 304/L*
30 x 1.5mm	1.181 x 0.059"	1.06 304/L [^]
30 x 2mm	1.181 x 0.079"	1.41 316/L*
31.75 x 1.2mm	1.25 x 0.047"	0.92 304/L
31.75 x 1.5mm	1.25 x 0.059"	1.14 304/L* 316/L*
32 x 1.5mm	1.26 x 0.059"	1.13 304/L [^]
32 x 2mm	1.26 x 0.079"	1.51 304/L 316/L*
32 x 3mm	1.26 x 0.118"	2.19 304/L 316/L*
34.925 x 1.2mm	1.375 x 0.047"	1.02 304/L
35 x 1.5mm	1.378 x 0.059"	1.26 304/L
38.1 x 1.22mm	1.5 x 0.048"	1.12 304/L ^{^*}
38.1 x 1.5mm	1.5 x 0.059"	1.36 304/L [^] 316/L*
38.1 x 3mm	1.5 x 0.118"	2.65 304/L 316/L*
41.275 x 1.2mm	1.625 x 0.047"	1.21 304/L
41.275 x 1.5mm	1.625 x 0.059"	1.50 304/L
42.4 x 2mm	1.669 x 0.079"	2.00 304/L [^] 316/L [^]
42.4 x 2.5mm	1.669 x 0.098"	2.47 304/L [^] 316/L [^]
42.4 x 3mm	1.669 x 0.118"	2.93 304/L [^]
44.45 x 1.2mm	1.75 x 0.047"	1.30 304/L
44.45 x 1.5mm	1.75 x 0.059"	1.62 304/L* 316/L*
44.45 x 2mm	1.75 x 0.079"	2.13 304/L
47.625 x 1.2mm	1.875 x 0.047"	1.40 304/L
48.3 x 2mm	1.902 x 0.079"	2.30 304/L [^] 316/L*
48.3 x 2.5mm	1.902 x 0.098"	2.88 304/L [^]
50.8 x 1.2mm	2 x 0.047"	1.48 304/L*
50.8 x 1.5mm	2 x 0.059"	1.83 304/L ^{^*} 316/L*
50.8 x 2mm	2 x 0.079"	2.45 304/L 316/L*
50.8 x 3mm	2 x 0.118"	3.56 304/L ^{^*} 316/L*
54 x 2mm	2.126 x 0.079"	2.61 304/L
57 x 2mm	2.244 x 0.079"	2.77 304/L
60.3 x 2mm	2.374 x 0.079"	2.93 304/L [^]
60.3 x 2.5mm	2.374 x 0.098"	3.58 304/L [^]

TUBE (continued)

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES
60.3 x 2.77mm	2.375 x 0.109"	4.01 304/L 316/L*
63.5 x 1.2mm	2.5 x 0.047"	1.88 304/L
63.5 x 1.5mm	2.5 x 0.059"	2.31 304/L 316/L*
63.5 x 2mm	2.5 x 0.079"	3.09 304/L [^]
70 x 2mm	2.756 x 0.079"	3.37 304/L
76.1 x 1.5mm	2.996 x 0.059"	2.78 304/L [^] 316/L [^]
76.1 x 3mm	2.996 x 0.118"	5.44 304/L [^]
76.2 x 1.2mm	3 x 0.047"	2.26 304/L
76.2 x 1.5mm	3 x 0.059"	2.82 304/L 316/L
80 x 1.5mm	3.15 x 0.059"	2.96 304/L
88.9 x 1.2mm	3.5 x 0.047"	2.65 304/L
88.9 x 1.5mm	3.5 x 0.059"	3.30 304/L
88.9 x 2mm	3.5 x 0.079"	4.37 304/L 316/L
88.9 x 3mm	3.5 x 0.118"	6.48 316/L*
101.6 x 1.5mm	4 x 0.059"	3.77 316/L
101.6 x 2mm	4 x 0.079"	5.01 304/L
104 x 2mm	4.094 x 0.079"	5.13 316/L
108 x 3mm	4.252 x 0.118"	7.92 316/L
114.3 x 1.5mm	4.5 x 0.059"	4.25 316/L
114.3 x 3mm	4.5 x 0.118"	8.39 316/L
127 x 1.5mm	5 x 0.059"	4.73 304/L
129 x 2mm	5.079 x 0.079"	6.38 316/L
154 x 2mm	6.063 x 0.079"	7.64 304/L 316/L
154 x 3mm	6.063 x 0.118"	11.23 304/L [^]
204 x 2mm	8.031 x 0.079"	10.15 304/L
256 x 3mm	10.079 x 0.118"	19.08 304/L [^]

ALSO AVAILABLE FROM STOCK AS:



STAINLESS STEEL

ASTM A213/A269 (seamless tube), BS EN 10294-2 (hollow bar), ASTM A312 (pipe)

STAINLESS STEEL

BS EN 10088-3 (angle / D-section)

SEAMLESS TUBE

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES
6 x 1mm	0.236 x 0.039"	0.13 304/L 316/L
6.35 x 1.2mm	0.25 x 0.047"	0.16 316/L
7.94 x 0.91mm	0.313 x 0.036"	0.16 316/L
7.94 x 1.24mm	0.313 x 0.049"	0.21 316/L
8 x 1mm	0.315 x 0.039"	0.18 316/L
8 x 1.5mm	0.315 x 0.059"	0.25 316/L
9.53 x 0.71mm	0.375 x 0.028"	0.16 316/L
9.53 x 0.91mm	0.375 x 0.036"	0.20 304/L 316/L
9.53 x 1.63mm	0.375 x 0.064"	0.32 316/L
10 x 1mm	0.394 x 0.039"	0.23 304/L 316/L
12 x 1mm	0.472 x 0.039"	0.28 304/L 316/L
12.7 x 0.71mm	0.5 x 0.028"	0.21 316/L
12.7 x 0.91mm	0.5 x 0.036"	0.27 316/L
13.7 x 2.24mm	0.539 x 0.088"	0.65 316/L
14 x 2mm	0.551 x 0.079"	0.60 316/L
15 x 1mm	0.591 x 0.039"	0.51 304/L
15 x 1.5mm	0.591 x 0.059"	0.51 316/L
16 x 2mm	0.63 x 0.079"	0.70 316/L
17.15 x 1.65mm	0.675 x 0.065"	0.64 316/L
18 x 2mm	0.709 x 0.079"	0.80 316/L
19.05 x 1.63mm	0.75 x 0.064"	0.71 304/L
19.05 x 2.03mm	0.75 x 0.08"	0.87 316/L
19.05 x 3.25mm	0.75 x 0.128"	1.29 316/L
20 x 4mm	0.787 x 0.157"	1.61 304/L
22 x 1.5mm	0.866 x 0.059"	0.77 316/L
22.23 x 3.25mm	0.875 x 0.128"	1.55 316/L
31.75 x 1.22mm	1.25 x 0.048"	0.94 316/L
31.75 x 1.63mm	1.25 x 0.064"	1.23 316/L
31.75 x 2.03mm	1.25 x 0.08"	1.52 316/L
31.75 x 3.25mm	1.25 x 0.128"	2.33 316/L
38.1 x 1.22mm	1.5 x 0.048"	1.13 316/L
42.16 x 2.77mm	1.66 x 0.109"	2.74 316/L
44.45 x 2mm	1.75 x 0.079"	2.13 316/L
46.26 x 2.77mm	1.821 x 0.109"	3.03 316/L
48.26 x 7.14mm	1.9 x 0.281"	7.38 316/L
50.8 x 0.8mm	2 x 0.031"	1.01 316/L
50.8 x 1.63mm	2 x 0.064"	2.01 316/L
50.8 x 3.25mm	2 x 0.128"	3.88 316/L
73.03 x 5.16mm	2.875 x 0.203"	8.80 316/L
73.03 x 7.01mm	2.875 x 0.276"	11.63 316/L
168.28 x 10.97mm	6.625 x 0.432"	43.37 316/L

HOLLOW BAR

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES
32 x 20mm	1.26 x 0.787"	3.92 304/L
40 x 20mm	1.575 x 0.787"	7.54 304/L
40 x 25mm	1.575 x 0.984"	6.13 304/L
63 x 50mm	2.48 x 1.969"	9.23 304/L
75 x 50mm	2.953 x 1.969"	19.64 304/L
90 x 50mm	3.543 x 1.969"	35.19 304/L
100 x 71mm	3.937 x 2.795"	31.16 304/L
112 x 80mm	4.409 x 3.15"	38.60 304/L
160 x 132mm	6.299 x 5.197"	51.37 304/L
170 x 118mm	6.693 x 4.646"	94.10 304/L
224 x 140mm	8.819 x 5.512"	192.12 304/L

PIPE

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES
17.15 x 2.3mm	0.675 x 0.091"	0.86 304/L 316/L
21.3 x 2.77mm	0.839 x 0.109"	1.29 304/L
26.67 x 2.87mm	1.05 x 0.113"	1.69 304/L 316/L
33.4 x 2.77mm	1.315 x 0.109"	2.10 304/L 316/L
42.2 x 2.77mm	1.661 x 0.109"	2.71 304/L
48.3 x 2.77mm	1.902 x 0.109"	3.13 304/L
48.3 x 3.05mm	1.902 x 0.12"	3.47 304/L
48.3 x 3.68mm	1.902 x 0.145"	4.07 304/L
60.33 x 2.77mm	2.375 x 0.109"	4.01 304/L
60.33 x 3.91mm	2.375 x 0.154"	5.54 304/L 316/L
73.03 x 2.11mm	2.875 x 0.083"	3.76 316/L
73.03 x 3.05mm	2.875 x 0.12"	5.36 316/L
73.03 x 7.01mm	2.875 x 0.276"	11.63 316/L
88.9 x 2.11mm	3.5 x 0.083"	4.60 304/L
88.9 x 3.05mm	3.5 x 0.12"	6.58 304/L
88.9 x 5.49mm	3.5 x 0.216"	11.51 304/L
88.9 x 5.74mm	3.5 x 0.226"	12.00 304/L
101.6 x 2.11mm	4 x 0.083"	5.20 304/L
114.3 x 3.05mm	4.5 x 0.12"	8.53 304/L*
114.3 x 6.02mm	4.5 x 0.237"	16.38 304/L
141.3 x 3.4mm	5.563 x 0.134"	11.78 304/L 316/L
168.28 x 2.77mm	6.625 x 0.109"	11.52 316/L
168.28 x 7.11mm	6.625 x 0.28"	28.80 304/L
219.08 x 3.76mm	8.625 x 0.148"	20.35 304/L 316/L
273.05 x 4.19mm	10.75 x 0.165"	28.31 304/L

BOX SECTION

SIZE (H x W x Wall Thickness)	WEIGHT (kg/m)	GRADES
12.7 x 12.7 x 1.5mm	0.5 x 0.5 x 0.059"	0.53 304/L
20 x 20 x 1.2mm	0.787 x 0.787 x 0.047"	0.71 304/L^
20 x 20 x 1.5mm	0.787 x 0.787 x 0.059"	0.87 304/L^
20 x 20 x 2mm	0.787 x 0.787 x 0.079"	1.14 304/L
25 x 25 x 1.5mm	0.984 x 0.984 x 0.059"	1.10 304/L^*
25 x 25 x 2mm	0.984 x 0.984 x 0.079"	1.44 304/L^
25 x 25 x 3mm	0.984 x 0.984 x 0.118"	2.09 304/L^
30 x 30 x 1.2mm	1.181 x 1.181 x 0.047"	1.08 304/L^
30 x 30 x 1.5mm	1.181 x 1.181 x 0.059"	1.35 304/L^*
30 x 30 x 2mm	1.181 x 1.181 x 0.079"	1.75 304/L^
30 x 30 x 3mm	1.181 x 1.181 x 0.118"	2.53 304/L^
40 x 20 x 1.5mm	1.575 x 0.787 x 0.059"	1.34 304/L^
40 x 20 x 2mm	1.575 x 0.787 x 0.079"	1.77 304/L^
40 x 40 x 1.5mm	1.575 x 1.575 x 0.059"	1.83 304/L^
40 x 40 x 2mm	1.575 x 1.575 x 0.079"	2.38 304/L^
40 x 40 x 3mm	1.575 x 1.575 x 0.118"	3.47 304/L^
50 x 25 x 1.5mm	1.969 x 0.984 x 0.059"	1.69 304/L^
50 x 25 x 2mm	1.969 x 0.984 x 0.079"	2.22 304/L
50 x 50 x 1.5mm	1.969 x 1.969 x 0.059"	2.27 304/L^
50 x 50 x 2mm	1.969 x 1.969 x 0.079"	3.00 304/L^
50 x 50 x 3mm	1.969 x 1.969 x 0.118"	4.41 304/L^
50 x 50 x 4mm	1.969 x 1.969 x 0.157"	5.83 304/L
50 x 50 x 5mm	1.969 x 1.969 x 0.197"	7.03 304/L
60 x 30 x 2mm	2.362 x 1.181 x 0.079"	2.69 304/L^
60 x 40 x 4mm	2.362 x 1.575 x 0.157"	5.83 304/L
60 x 60 x 3mm	2.362 x 2.362 x 0.118"	5.42 304/L
60 x 60 x 4mm	2.362 x 2.362 x 0.157"	7.10 304/L
60 x 60 x 5mm	2.362 x 2.362 x 0.197"	8.71 304/L
80 x 40 x 3mm	3.15 x 1.575 x 0.118"	5.42 304/L
80 x 40 x 4mm	3.15 x 1.575 x 0.157"	7.10 304/L
80 x 40 x 5mm	3.15 x 1.575 x 0.197"	8.71 304/L
80 x 80 x 3mm	3.15 x 3.15 x 0.118"	7.22 304/L^
90 x 90 x 4mm	3.543 x 3.543 x 0.157"	10.90 304/L
100 x 50 x 3mm	3.937 x 1.969 x 0.118"	6.75 304/L^
100 x 50 x 5mm	3.937 x 1.969 x 0.197"	11.09 304/L
100 x 60 x 5mm	3.937 x 2.362 x 0.197"	11.88 304/L
100 x 100 x 2mm	3.937 x 3.937 x 0.079"	6.21 304/L^
100 x 100 x 5mm	3.937 x 3.937 x 0.197"	15.05 304/L
120 x 80 x 5mm	4.724 x 3.15 x 0.197"	15.05 304/L
120 x 120 x 5mm	4.724 x 4.724 x 0.197"	18.22 304/L
150 x 150 x 4mm	5.906 x 5.906 x 0.157"	18.50 304/L
150 x 150 x 6mm	5.906 x 5.906 x 0.236"	27.37 304/L

ANGLE SECTION

SIZE (H x W x Wall Thickness)	WEIGHT (kg/m)	GRADES
20 x 20 x 3mm	0.787 x 0.787 x 0.118"	0.88 304/L
25 x 25 x 3mm	0.984 x 0.984 x 0.118"	1.11 304/L
30 x 30 x 3mm	1.181 x 1.181 x 0.118"	1.35 304/L
30 x 30 x 5mm	1.181 x 1.181 x 0.197"	2.20 304/L 316/L
40 x 40 x 3mm	1.575 x 1.575 x 0.118"	1.82 304/L
40 x 40 x 5mm	1.575 x 1.575 x 0.197"	2.96 304/L 316/L
40 x 40 x 6mm	1.575 x 1.575 x 0.236"	3.50 304/L 316/L
50 x 25 x 3mm	1.969 x 0.984 x 0.118"	1.70 304/L
50 x 50 x 3mm	1.969 x 1.969 x 0.118"	2.30 304/L
50 x 50 x 5mm	1.969 x 1.969 x 0.197"	3.80 304/L
50 x 50 x 6mm	1.969 x 1.969 x 0.236"	4.51 304/L 316/L
50 x 50 x 10mm	1.969 x 1.969 x 0.394"	7.20 304/L
60 x 60 x 10mm	2.362 x 2.362 x 0.394"	8.80 304/L
75 x 75 x 6mm	2.953 x 2.953 x 0.236"	6.91 316/L

D-SECTION

SIZE (W x H)	WEIGHT (kg/m)	GRADES
12 x 6mm	0.472 x 0.236 x 0"	0.89 304/L 316/L
16 x 8mm	0.63 x 0.315 x 0"	0.78 304/L
20 x 6mm	0.787 x 0.236 x 0"	0.89 316/L

ALSO AVAILABLE FROM STOCK AS:



STAINLESS STEEL

BS EN 10088-2

SHEET-ANNEALED

SIZE (L x W x Thickness)	WEIGHT (kg/m)	GRADES		
2000 x 1000 x 0.5mm	8.19			430 [^]
2500 x 1250 x 0.5mm	12.79	304/L		
2000 x 1000 x 0.7mm	11.46			430
2500 x 1250 x 0.7mm	17.91	304/L [^]		
2000 x 1000 x 0.9mm	14.73	304/L [^]		
2500 x 1250 x 0.9mm	23.02	304/L [^]		430
3000 x 1500 x 0.9mm	33.15	304/L [^]		
2000 x 1000 x 1.2mm	19.65	304/L [^]		
2500 x 1250 x 1.2mm	30.70	304/L [^]		
3000 x 1500 x 1.2mm	44.20	304/L [^]		
2000 x 1000 x 1.5mm	24.56	304/L [^]		
2500 x 1250 x 1.5mm	38.57	304/L [^]	316/L [^]	
3000 x 1500 x 1.5mm	55.25	304/L [^]		
2000 x 1000 x 2mm	32.74	304/L [^]	316/L [^]	
2500 x 1250 x 2mm	51.16	304/L [^]		
3000 x 1500 x 2mm	73.67	304/L [^]		
2000 x 1000 x 3mm	49.59	304/L [^]	316/L	
2500 x 1250 x 3mm	77.48	304/L [^]		
3000 x 1500 x 3mm	111.57	304/L [^]	316/L	

PLATE

SIZE (L x W x Thickness)	WEIGHT (kg/m)	GRADES		
2500 x 1250 x 4mm	100.00	304/L		
3000 x 1500 x 4mm	144.01	304/L		
2000 x 1000 x 5mm	80.00	304/L		
2500 x 1250 x 5mm	125.00	304/L	316/L	
3000 x 1500 x 5mm	180.01	304/L		
2000 x 1000 x 6mm	96.00	304/L		
2500 x 1250 x 6mm	150.01	304/L	316/L	
3000 x 1500 x 6mm	216.02	304/L	316/L	
2000 x 1000 x 10mm	160.84	304/L		

SHEET-2B

SIZE (L x W x Thickness)	WEIGHT (kg/m)	GRADES		
2000 x 1000 x 0.9mm	14.73	304/L		
2500 x 1250 x 0.9mm	23.02	304/L	316/L	
3000 x 1500 x 0.9mm	33.15	304/L		
2000 x 1000 x 1.2mm	19.65	304/L		
2500 x 1250 x 1.2mm	30.70	304/L		
3000 x 1500 x 1.2mm	44.20	304/L		
2000 x 1000 x 1.5mm	24.56	304/L		
2500 x 1250 x 1.5mm	38.37	304/L	316/L	
3000 x 1500 x 1.5mm	55.25	304/L		
2000 x 1000 x 2mm	32.74	304/L	316/L	
2500 x 1250 x 2mm	51.61	304/L		
3000 x 1500 x 2mm	73.67	304/L	316/L	
2000 x 1000 x 3mm	49.59	304/L	316/L	
2500 x 1250 x 3mm	77.48	304/L		
3000 x 1500 x 3mm	111.57	304/L		

Can't find what you are looking for?

Don't hesitate to contact our sales team. They'll be happy to assist you and address your needs.

ALSO AVAILABLE FROM STOCK AS:



DUPLEX/SUPER DUPLEX

BS EN 10088-2

DUPLEX

Standard duplex stainless steels, such as grades UNS S31254 and UNS S31803, are the most commonly used within the duplex family. They offer a balanced composition of chromium, nickel, molybdenum and nitrogen, which imparts excellent corrosion resistance and mechanical strength. These steels exhibit higher yield strength compared to traditional austenitic stainless steels, making them ideal for applications in chemical processing, oil and gas, and marine environments.

ROUND BAR

SIZE (Diameter)		WEIGHT (kg/m)	GRADES	
12.7mm	0.5"	1.01	UNS S31254	
16mm	0.63"	1.61	UNS S31254	UNS 31803
19.05mm	0.75"	2.28	UNS S31254	UNS 31803
22.225mm	0.875"	3.04	UNS S31254	
25.4mm	1"	4.05	UNS S31254	UNS 31803
31.75mm	1.25"	6.33	UNS S31254	UNS 31803
38.1mm	1.5"	9.12	UNS S31254	UNS 31803
45mm	1.772"	12.72	UNS S31254	UNS 31803
50.8mm	2"	16.22	UNS S31254	UNS 31803
76.2mm	3"	36.48	UNS S31254	UNS 31803

SUPER DUPLEX

Super duplex stainless steels, including grades like UNS S32750 and UNS S32760, are characterised by their superior strength and exceptional resistance to corrosion. These grades contain higher levels of chromium, molybdenum and nitrogen, which enhance their ability to withstand highly corrosive environments. Super duplex steels are ideal for applications in harsh conditions, such as offshore oil and gas platforms, subsea equipment and chemical processing plants.

ROUND BAR

SIZE (Diameter)		WEIGHT (kg/m)	GRADES	
12.7mm	0.5"	1.01		UNS S32760
15.88mm	0.625"	1.58		UNS S32760
19.05mm	0.75"	2.28		UNS S32760
20mm	0.787"	2.51		UNS S32760
22.23mm	0.875"	3.11		UNS S32760
25.4mm	1"	4.05		UNS S32760
28.58mm	1.125"	5.13		UNS S32760
31.75mm	1.25"	6.21		UNS S32760
38.1mm	1.5"	9.12		UNS S32760
44.45mm	1.75"	12.41		UNS S32760
50.8mm	2"	16.22		UNS S32760
54.96mm	2.164"	18.98		UNS S32760
57.15mm	2.25"	20.52		UNS S32760
60.33mm	2.375"	22.87		UNS S32760
63.5mm	2.5"	25.34		UNS S32760
66.68mm	2.625"	27.94		UNS S32760
76.2mm	3"	36.48		UNS S32760
127mm	5"	101.34		UNS S32760

BRASS



Brass is an alloy metal that is made of copper and zinc, and the amount of copper and zinc in brass determines its properties. Brass has been used since prehistoric times and is still popular today for its bright gold like appearance. Due to brass's unique properties and its versatility, is one of the most widely used alloys, used in seemingly endless industries including automotive, aerospace, marine, naval, electrical, and plumbing sectors.

Brass is a desirable architectural alloy because of its inherent durability, corrosion resistance and aesthetic colouring. It has a variety of qualities, but all of them are robust, machinable, tough, conductive, and corrosion-resistant. Brass is one of the most extensively used alloys for decorative applications including commercial shop fittings, lights, furniture, fasteners, bathroom fixtures, locks, and electrical plugs and sockets.

Elements such as lead, tin and manganese can enhance the strength and corrosion resistance of brass, and we have several popular grades available for all applications even including naval brass which improves its corrosion resistance in sea water.



STOCKED GRADES:

CZ106 CW505L	CZ108 CW508L	CZ112 CW712R	CZ114 CW721R	CZ121 CW614N	CZ130 CW62N	CZ132 CW602N	C46400 NAVAL BRASS
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PRODUCT TYPES:



BRASS

BS EN 12164, BS EN 12163 (CZ112 only)



BRASS

BS EN 12164, BS EN 12163 (CZ112 only)



ROUND BAR

SIZE (Diameter)	WEIGHT (kg/m)	GRADES
3mm	0.118"	CZ121
3.175mm	0.125"	CZ121
3.969mm	0.156"	CZ121
4mm	0.157"	CZ121
4.763mm	0.188"	CZ121
5mm	0.197"	CZ121
5.556mm	0.219"	CZ121
6mm	0.236"	CZ121
6.35mm	0.25"	CZ112, CZ121
7mm	0.276"	CZ121
7.144mm	0.281"	CZ121
7.938mm	0.313"	CZ121
8mm	0.315"	CZ121
8.255mm	0.325"	CZ121
8.731mm	0.344"	CZ121
9.525mm	0.375"	CZ121
10mm	0.394"	CZ121
11.11mm	0.437"	CZ121
12mm	0.472"	CZ121
12.7mm	0.5"	CZ112, CZ114, CZ121
13mm	0.512"	CZ121
14mm	0.551"	CZ112, CZ121
14.288mm	0.563"	CZ121
15mm	0.591"	CZ121
15.875mm	0.625"	CZ112, CZ114, CZ121, CZ132
16mm	0.63"	CZ121
17.463mm	0.688"	CZ121
18mm	0.709"	CZ121
19mm	0.748"	CZ121
19.05mm	0.75"	CZ112, CZ114, CZ121
20mm	0.787"	CZ121, CZ132
20.638mm	0.813"	CZ121
22mm	0.866"	CZ121
22.225mm	0.875"	CZ114, CZ121, CZ132
23mm	0.906"	CZ132
23.813mm	0.938"	CZ121
25mm	0.984"	CZ121
25.4mm	1"	CZ112, CZ114, CZ121, CZ132
26.988mm	1.063"	CZ121
27mm	1.063"	CZ121
28mm	1.102"	CZ121
28.575mm	1.125"	CZ114, CZ121, CZ132
30mm	1.181"	CZ121
31.75mm	1.25"	CZ112, CZ114, CZ121
32mm	1.26"	CZ121
33.35mm	1.313"	CZ121
34.925mm	1.375"	CZ114, CZ121, CZ132
35mm	1.378"	CZ121
36mm	1.417"	CZ121
38.1mm	1.5"	CZ114, CZ121

ROUND BAR (continued)

SIZE (Diameter)	WEIGHT (kg/m)	GRADES
40mm	1.575"	CZ121
41.275mm	1.625"	CZ121, CZ132
44.45mm	1.75"	CZ112, CZ114, CZ132
47.625mm	1.875"	CZ121
50mm	1.969"	CZ121
50.8mm	2"	CZ112, CZ114, CZ121, CZ132
52mm	2.047"	CZ121
53.975mm	2.125"	CZ121
57.15mm	2.25"	CZ121, CZ132
58mm	2.283"	CZ121
60mm	2.362"	CZ121
60.325mm	2.375"	CZ114
63.5mm	2.5"	CZ114, CZ121, CZ132
65mm	2.559"	CZ121
66.675mm	2.625"	CZ121
69.85mm	2.75"	CZ114, CZ121
75mm	2.953"	CZ121
76.2mm	3"	CZ112, CZ114, CZ121
82.55mm	3.25"	CZ121
88.9mm	3.5"	CZ112, CZ121
92.075mm	3.625"	CZ121
95.25mm	3.75"	CZ121
100mm	3.937"	CZ121
101.6mm	4"	CZ114, CZ121
107.95mm	4.25"	CZ121
110mm	4.331"	CZ121
114.3mm	4.5"	CZ121
115mm	4.528"	CZ121
120mm	4.724"	CZ112, CZ121
127mm	5"	CZ112, CZ121
130mm	5.118"	CZ121
133.35mm	5.25"	CZ121
139.7mm	5.5"	CZ121
140mm	5.512"	CZ121
150mm	5.906"	CZ121
155mm	6.102"	CZ121
165.1mm	6.5"	CZ121
170mm	6.693"	CZ121
177.8mm	7"	CZ121
180mm	7.087"	CZ121
184.15mm	7.25"	CZ112
190.5mm	7.5"	CZ121
200mm	7.874"	CZ121
203.2mm	8"	CZ121
209.55mm	8.25"	CZ121
210mm	8.268"	CZ121
228.6mm	9"	CZ121
250mm	9.843"	CZ121
254mm	10"	CZ121
279.4mm	11"	CZ121

HEX BAR

SIZE (A/F)	WEIGHT (kg/m)	GRADES
3.55mm	0.14"	CZ121
4.763mm	0.188"	CZ121
5mm	0.197"	CZ121
6.35mm	0.25"	CZ121
7mm	0.276"	CZ121
7.938mm	0.313"	CZ121
8mm	0.315"	CZ121
8.23mm	0.324"	CZ121
9.525mm	0.375"	CZ121
10mm	0.394"	CZ121
11.1mm	0.437"	CZ121
12mm	0.472"	CZ121
12.7mm	0.5"	CZ121
13mm	0.512"	CZ121
13.335mm	0.525"	CZ121
14mm	0.551"	CZ121
14.288mm	0.563"	CZ121
15mm	0.591"	CZ121
15.24mm	0.6"	CZ112, CZ114, CZ121
15.875mm	0.625"	CZ121
16mm	0.63"	CZ121
17mm	0.669"	CZ121
17.463mm	0.688"	CZ121
18mm	0.709"	CZ121
18.034mm	0.71"	CZ121
19mm	0.748"	CZ121
19.05mm	0.75"	CZ112, CZ121
20mm	0.787"	CZ121
20.638mm	0.813"	CZ121
20.828mm	0.82"	CZ112, CZ121
22mm	0.866"	CZ121
22.225mm	0.875"	CZ114, CZ121
23.368mm	0.92"	CZ121
24mm	0.945"	CZ121
25.4mm	1"	CZ121
25.65mm	1.01"	CZ121
27mm	1.063"	CZ114, CZ121
27.94mm	1.1"	CZ121
28.575mm	1.125"	CZ121
30mm	1.181"	CZ121
30.48mm	1.2"	CZ121, CZ132
31.75mm	1.25"	CZ114, CZ121
32mm	1.26"	CZ121
33.02mm	1.3"	CZ112, CZ114, CZ121, CZ132
34.925mm	1.375"	CZ121
36mm	1.417"	CZ121
37.59mm	1.48"	CZ121
38.1mm	1.5"	CZ121, CZ132
41mm	1.614"	CZ121
42.42mm	1.67"	CZ121

HEX BAR (continued)

SIZE (A/F)	WEIGHT (kg/m)	GRADES
44.45mm	1.75"	CZ114
46mm	1.811"	CZ121
47.24mm	1.86"	CZ121
50mm	1.969"	CZ121
50.8mm	2"	CZ114, CZ121, CZ132
52.07mm	2.05"	CZ121
55mm	2.165"	CZ121
55.88mm	2.2"	CZ121
57.15mm	2.25"	CZ114
60mm	2.362"	CZ121, CZ132
65mm	2.559"	CZ132
70mm	2.756"	CZ121
75mm	2.953"	CZ132
90.17mm	3.55"	CZ121

SQUARE BAR

SIZE (W x H)	WEIGHT (kg/m)	GRADES
3.175mm	0.125"	CZ121
4mm	0.157"	CZ121
4.763mm	0.188"	CZ121
5mm	0.197"	CZ121
6.35mm	0.25"	CZ121
7.938mm	0.313"	CZ121
9.525mm	0.375"	CZ121
10mm	0.394"	CZ121
11.13mm	0.438"	CZ121
12.7mm	0.5"	CZ121
15.875mm	0.625"	CZ121
19.05mm	0.75"	CZ121
20mm	0.787"	CZ121
22.225mm	0.875"	CZ121
25.4mm	1"	CZ121
30mm	1.181"	CZ121
31.75mm	1.25"	CZ121
34.925mm	1.375"	CZ121
38.1mm	1.5"	CZ121
41.275mm	1.625"	CZ121
44.45mm	1.75"	CZ121
50mm	1.969"	CZ121
50.8mm	2"	CZ121
70mm	2.756"	CZ121
76.2mm	3"	CZ121
85mm	3.346"	CZ121
105mm	4.134"	CZ121

BRASS

BS EN 12167

BRASS

BS EN 12449

FLAT BAR

SIZE (W x H)	WEIGHT (kg/m)	GRADES
6.35 x 1.588mm	0.25 x 0.063"	CZ121
6.35 x 3.175mm	0.25 x 0.125"	CZ121*
9.525 x 3.175mm	0.375 x 0.125"	CZ121*^A
9.525 x 4.763mm	0.375 x 0.188"	CZ121
9.525 x 6.35mm	0.375 x 0.25"	CZ121*^A
9.53 x 3.18mm	0.375 x 0.125"	CZ121
9.53 x 6.35mm	0.375 x 0.25"	CZ121
10 x 5mm	0.394 x 0.197"	CZ121
12.7 x 3.175mm	0.5 x 0.125"	CZ121*^A
12.7 x 4.76mm	0.5 x 0.187"	CZ121
12.7 x 6.35mm	0.5 x 0.25"	CZ121*^A
12.7 x 9.525mm	0.5 x 0.375"	CZ121
15 x 9mm	0.591 x 0.354"	CZ121
15.875 x 3.175mm	0.625 x 0.125"	CZ121*^A
15.875 x 4.763mm	0.625 x 0.188"	CZ121
15.875 x 6.35mm	0.625 x 0.25"	CZ121
15.875 x 9.525mm	0.625 x 0.375"	CZ121
19.05 x 3.175mm	0.75 x 0.125"	CZ121*^A
19.05 x 4.76mm	0.75 x 0.187"	CZ121*^A
19.05 x 6.35mm	0.75 x 0.25"	CZ121*^A
19.05 x 9.525mm	0.75 x 0.375"	CZ121^A
19.05 x 12.7mm	0.75 x 0.5"	CZ121
25.4 x 3.175mm	1 x 0.125"	CZ121*^A
25.4 x 4.763mm	1 x 0.188"	CZ121^A
25.4 x 6.35mm	1 x 0.25"	CZ121^A
25.4 x 7.938mm	1 x 0.313"	CZ121
25.4 x 9.525mm	1 x 0.375"	CZ121
25.4 x 12.7mm	1 x 0.5"	CZ121
25.4 x 15.875mm	1 x 0.625"	CZ121
25.4 x 19.05mm	1 x 0.75"	CZ121
31.75 x 3.175mm	1.25 x 0.125"	CZ121*
31.75 x 4.762mm	1.25 x 0.187"	CZ121
31.75 x 6.35mm	1.25 x 0.25"	CZ121
31.75 x 7.938mm	1.25 x 0.313"	CZ121
31.75 x 9.525mm	1.25 x 0.375"	CZ121
31.75 x 12.7mm	1.25 x 0.5"	CZ121
31.75 x 15.875mm	1.25 x 0.625"	CZ121
31.75 x 19.05mm	1.25 x 0.75"	CZ121
31.75 x 25.4mm	1.25 x 1"	CZ121
38.1 x 3.175mm	1.5 x 0.125"	CZ121*^A
38.1 x 4.763mm	1.5 x 0.188"	CZ121^A
38.1 x 6.35mm	1.5 x 0.25"	CZ121^A
38.1 x 7.938mm	1.5 x 0.313"	CZ121
38.1 x 9.525mm	1.5 x 0.375"	CZ121*^A
38.1 x 12.7mm	1.5 x 0.5"	CZ121
38.1 x 15.875mm	1.5 x 0.625"	CZ121
38.1 x 19.05mm	1.5 x 0.75"	CZ121
38.1 x 25.4mm	1.5 x 1"	CZ121
44.45 x 3.175mm	1.75 x 0.125"	CZ121
44.45 x 6.35mm	1.75 x 0.25"	CZ121

FLAT BAR (continued)

SIZE (W x H)	WEIGHT (kg/m)	GRADES
44.45 x 12.7mm	1.75 x 0.5"	CZ121
44.45 x 19.05mm	1.75 x 0.75"	CZ121
44.45 x 25.4mm	1.75 x 1"	CZ121
50.8 x 3.175mm	2 x 0.125"	CZ121*^A
50.8 x 4.76mm	2 x 0.187"	CZ121
50.8 x 6.35mm	2 x 0.25"	CZ121*^A
50.8 x 7.938mm	2 x 0.313"	CZ121
50.8 x 9.525mm	2 x 0.375"	CZ121^A
50.8 x 12.7mm	2 x 0.5"	CZ121
50.8 x 15.875mm	2 x 0.625"	CZ121
50.8 x 19.05mm	2 x 0.75"	CZ121
50.8 x 25.4mm	2 x 1"	CZ121
50.8 x 31.75mm	2 x 1.25"	CZ121
57.15 x 6.35mm	2.25 x 0.25"	CZ121
57.15 x 19.05mm	2.25 x 0.75"	CZ121
57.15 x 31.75mm	2.25 x 1.25"	CZ121
63.5 x 3.175mm	2.5 x 0.125"	CZ121
63.5 x 6.35mm	2.5 x 0.25"	CZ121
63.5 x 9.525mm	2.5 x 0.375"	CZ121
63.5 x 12.7mm	2.5 x 0.5"	CZ121
63.5 x 19.05mm	2.5 x 0.75"	CZ121
63.5 x 25.4mm	2.5 x 1"	CZ121
63.5 x 31.75mm	2.5 x 1.25"	CZ121
63.5 x 44.45mm	2.5 x 1.75"	CZ121
63.5 x 50.8mm	2.5 x 2"	CZ121
76.2 x 3.175mm	3 x 0.125"	CZ121
76.2 x 6.35mm	3 x 0.25"	CZ121
76.2 x 12.7mm	3 x 0.5"	CZ121
76.2 x 19.05mm	3 x 0.75"	CZ121
76.2 x 25.4mm	3 x 1"	CZ121
76.2 x 38.1mm	3 x 1.5"	CZ121
76.2 x 50.8mm	3 x 2"	CZ121
76.2 x 63.5mm	3 x 2.5"	CZ121
88.9 x 38.1mm	3.5 x 1.5"	CZ121
88.9 x 50.8mm	3.5 x 2"	CZ121
88.9 x 63.5mm	3.5 x 2.5"	CZ121
101.6 x 3.175mm	4 x 0.125"	CZ121^A
101.6 x 6.35mm	4 x 0.25"	CZ121
101.6 x 12.7mm	4 x 0.5"	CZ121
101.6 x 19.05mm	4 x 0.75"	CZ121
101.6 x 25.4mm	4 x 1"	CZ121
101.6 x 50.8mm	4 x 2"	CZ121
101.6 x 76.2mm	4 x 3"	CZ121
152.4 x 25.4mm	6 x 1"	CZ121

ALSO AVAILABLE FROM STOCK AS:



TUBE

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES
6 x 1mm	0.236 x 0.039"	CZ108
8 x 1mm	0.315 x 0.039"	CZ108
8 x 1.2mm	0.315 x 0.047"	CZ108
9.525 x 0.56mm	0.375 x 0.022"	CZ108
9.525 x 0.71mm	0.375 x 0.028"	CZ108
9.525 x 0.914mm	0.375 x 0.036"	CZ108
9.525 x 1.219mm	0.375 x 0.048"	CZ108*
9.525 x 1.626mm	0.375 x 0.064"	CZ108
10 x 1mm	0.394 x 0.039"	CZ108
10 x 1.2mm	0.394 x 0.047"	CZ108
12.7 x 0.914mm	0.5 x 0.036"	CZ108*
12.7 x 1.219mm	0.5 x 0.048"	CZ108*
12.7 x 1.626mm	0.5 x 0.064"	CZ108*^A
12.7 x 2mm	0.5 x 0.079"	CZ108
12.7 x 3.251mm	0.5 x 0.128"	CZ108
15.875 x 0.914mm	0.625 x 0.036"	CZ108
15.875 x 1.219mm	0.625 x 0.048"	CZ108
15.875 x 1.626mm	0.625 x 0.064"	CZ108^A
15.875 x 3mm	0.625 x 0.118"	CZ108
19.05 x 1.016mm	0.75 x 0.04"	CZ108*
19.05 x 1.219mm	0.75 x 0.048"	CZ108*
19.05 x 1.626mm	0.75 x 0.064"	CZ108*^A
19.05 x 3mm	0.75 x 0.118"	CZ108
20 x 1.2mm	0.787 x 0.047"	CZ108
20 x 1.5mm	0.787 x 0.059"	CZ108
20 x 2mm	0.787 x 0.079"	CZ108
22 x 0.65mm	0.866 x 0.026"	CZ108
22.225 x 1.626mm	0.875 x 0.064"	CZ108
22.225 x 3.25mm	0.875 x 0.128"	CZ108
25.4 x 1mm	1 x 0.039"	CZ108*
25.4 x 1.016mm	1 x 0.04"	CZ108*
25.4 x 1.219mm	1 x 0.048"	CZ108*^A
25.4 x 1.626mm	1 x 0.064"	CZ108*^A
25.4 x 3mm	1 x 0.118"	CZ108*
28.575 x 1.626mm	1.125 x 0.064"	CZ108*
31.75 x 1.016mm	1.25 x 0.04"	CZ108*
31.75 x 1.22mm	1.25 x 0.048"	CZ108*
31.75 x 1.626mm	1.25 x 0.064"	CZ108*^A
31.75 x 3mm	1.25 x 0.118"	CZ108*^A
38.1 x 1.219mm	1.5 x 0.048"	CZ108*^A
38.1 x 1.626mm	1.5 x 0.064"	CZ108*^A
38.1 x 3mm	1.5 x 0.118"	CZ108^A
44.45 x 1.626mm	1.75 x 0.064"	CZ108
44.45 x 3mm	1.75 x 0.118"	CZ108
50 x 3mm	1.969 x 0.118"	CZ108
50 x 6mm	1.969 x 0.236"	CZ108
50.8 x 0.914mm	2 x 0.036"	CZ108
50.8 x 1.219mm	2 x 0.048"	CZ108*^A
50.8 x 1.626mm	2 x 0.064"	CZ108*^A
50.8 x 3mm	2 x 0.118"	CZ108*

TUBE (continued)

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES
53.975 x 1.6mm	2.125 x 0.063"	CZ108
57.15 x 1.626mm	2.25 x 0.064"	CZ108
63.5 x 1.626mm	2.5 x 0.064"	CZ108
69.85 x 1.626mm	2.75 x 0.064"	CZ108*
76.2 x 1.626mm	3 x 0.064"	CZ108*
101.6 x 1.626mm	4 x 0.064"	CZ108

DECORATIVE TUBE

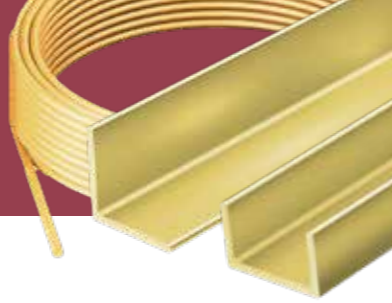
SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES
Barley Twist		
38.1 x 1.22mm	1.5 x 0.048"	1.20 CZ108
50.8 x 1.219mm	2 x 0.048"	1.62 CZ108
Point Twist		
19.05 x 1mm	0.75 x 0.039"	2.42 CZ108
Reeded		
20 x 1mm	0.787 x 0.039"	0.51 CZ108
40 x 1.219mm	1.575 x 0.048"	1.27 CZ108
50 x 1.219mm	1.969 x 0.048"	1.59 CZ108
Rope Twist		
10 x 1mm	0.394 x 0.039"	0.24 CZ108
38.1 x 1.219mm	1.5 x 0.048"	1.20 CZ108
50.8 x 1.219mm	2 x 0.048"	1.62 CZ108

ALSO AVAILABLE FROM STOCK AS:



BRASS

BS EB 12164 (hollow bar), BS EN 12167 (box, T, D, angle, channel section)
BS EN 12449 (strip coil)



HOLLOW BAR

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES	
35 x 22mm	1.378 x 0.866"	4.96	CZ121
54 x 41mm	2.126 x 1.614"	8.26	CZ121
63 x 40mm	2.48 x 1.575"	15.85	CZ121

BOX SECTION

SIZE (H x W x Wall Thickness)	WEIGHT (kg/m)	GRADES
9.525 x 9.525 x 1.626mm	0.43	CZ108
12.7 x 12.7 x 1.219mm	0.47	CZ108 [^]
12.7 x 12.7 x 1.626mm	0.61	CZ108 [*]
15.875 x 15.875 x 1.626mm	0.78	CZ108
19.05 x 19.05 x 1.626mm	0.96	CZ108 [^]
19.05 x 19.05 x 3mm	1.63	CZ108
25.4 x 25.4 x 1.5mm	1.21	CZ108 [^]
25.4 x 25.4 x 3mm	2.27	CZ108 [*]
30 x 15 x 1.5mm	1.06	CZ108
31.75 x 31.75 x 1.626mm	1.65	CZ108 [^]
31.75 x 31.75 x 3mm	2.91	CZ108 [^]
38.1 x 38.1 x 1.626mm	2.00	CZ108 [^]
38.1 x 38.1 x 3mm	3.55	CZ108
40 x 20 x 1.5mm	1.44	CZ108 [^]
50 x 12 x 2mm	1.96	CZ108
50 x 25 x 1.5mm	1.82	CZ108 [^]
50 x 25 x 3mm	3.49	CZ108
50 x 40 x 3mm	4.25	CZ108
50 x 50 x 1.5mm	2.46	CZ108 [*]
50 x 50 x 3mm	4.76	CZ108 [^]

T-SECTION

SIZE (H x W x Wall Thickness)	WEIGHT (kg/m)	GRADES
12.7 x 12.7 x 1.588mm	0.32	CZ130
12.7 x 12.7 x 3.175mm	0.60	CZ130
15.875 x 15.875 x 3.175mm	0.77	CZ130
19.05 x 19.05 x 3.175mm	0.95	CZ130
25.4 x 25.4 x 3.175mm	1.29	CZ130
38.1 x 38.1 x 3.175mm	1.98	CZ130

D-SECTION

SIZE (W x H)	WEIGHT (kg/m)	GRADES
6.35 x 3.18mm	0.17	CZ121
10 x 5mm	0.43	CZ121
12.7 x 4.76mm	0.51	CZ121
19.05 x 4.763mm	0.46	CZ121

STRIP COIL

SIZE (W x Thickness)	WEIGHT (kg/m)	GRADES
3.175 x 0.711mm	0.02	CZ108
4.763 x 0.711mm	0.03	CZ108
6.35 x 0.711mm	0.04	CZ108
7.938 x 0.813mm	0.06	CZ108
9.525 x 0.914mm	0.07	CZ108

ANGLE SECTION

SIZE (H x W x Wall Thickness)	WEIGHT (kg/m)	GRADES
6.35 x 6.35 x 1.588mm	0.15	CZ130
9.525 x 9.525 x 1.588mm	0.24	CZ130 [^]
12.7 x 12.7 x 1.588mm	0.32	CZ130 [^]
12.7 x 12.7 x 3.175mm	0.60	CZ130 [^]
15.875 x 15.875 x 1.588mm	0.41	CZ130
15.875 x 15.875 x 3.175mm	0.77	CZ130
19.05 x 19.05 x 1.588mm	0.49	CZ130 [^]
19.05 x 19.05 x 3.175mm	0.95	CZ130 [^]
19.05 x 19.05 x 6.35mm	1.72	CZ130
25.4 x 12.7 x 3.175mm	0.95	CZ130 [^]
25.4 x 19.05 x 3.175mm	1.12	CZ130
25.4 x 25.4 x 1.588mm	0.67	CZ130 [^]
25.4 x 25.4 x 3.175mm	1.29	CZ130 [^]
25.4 x 25.4 x 4.763mm	1.87	CZ130
31.75 x 31.75 x 3.175mm	1.63	CZ130 [^]
31.75 x 31.75 x 6.35mm	3.09	CZ130
38.1 x 19.05 x 3.175mm	1.46	CZ130
38.1 x 25.4 x 3.175mm	1.63	CZ130 [^]
38.1 x 38.1 x 3.175mm	1.98	CZ130 [^]
38.1 x 38.1 x 6.35mm	3.78	CZ130
50.8 x 25.4 x 3.175mm	1.98	CZ130 [^]
50.8 x 50.8 x 3.175mm	2.66	CZ130 [^]
50.8 x 50.8 x 6.35mm	5.15	CZ130

CHANNEL SECTION

SIZE (H x W x Wall Thickness)	WEIGHT (kg/m)	GRADES
9.525 x 9.525 x 1.588mm	0.35	CZ130
12.7 x 12.7 x 1.588mm	0.48	CZ130
12.7 x 12.7 x 3.175mm	0.86	CZ130
15.875 x 15.875 x 3.175mm	1.12	CZ130
19.05 x 19.05 x 3.175mm	1.37	CZ130 [^]
25.4 x 25.4 x 3.175mm	1.89	CZ130 [^]
50.8 x 25.4 x 3.175mm	2.57	CZ130

ALSO AVAILABLE FROM STOCK AS:



BRASS

FITTINGS

Hand & Footrail Brackets

TYPE	Size (mm)				
	25mm	38mm	51mm	76mm	
Handrail Bracket		38mm	51mm	63mm	76mm
Arm Rail Bracket		38mm	51mm	63mm	
Bannister Bracket		38mm	51mm		
Side Stem Bracket		38mm	51mm	63mm	76mm
Upright Bracket		38mm	51mm	63mm	76mm
Combination Bracket		38mm	51mm	63mm	76mm



Ball Fittings

TYPE	Size (mm)			
	25mm	38mm	51mm	76mm
Ball Elbow	25mm	38mm	51mm	
Ball Elbow Side Outlet	25mm	38mm	51mm	
Ball Tee	25mm	38mm	51mm	
Ball Cross	25mm	38mm	51mm	
Ball Tee Side Outlet	25mm	38mm	51mm	
Ball Cross Side Outlet	25mm	38mm	51mm	
Ball End	25mm	38mm	51mm	
135° Side Outlet	25mm	38mm	51mm	



Flush Fittings

TYPE	Size (mm)				
	25mm	38mm	51mm	76mm	
90° Curved Elbow	25mm	38mm	51mm		
Ball Finial	25mm	38mm	51mm		
Scroll End		38mm	51mm		
90° Flush Angle	25mm	38mm	51mm	63mm	76mm
135° Flush Angle	25mm	38mm	51mm	63mm	76mm



Flanges & End Caps

TYPE	Size (mm)				
	25mm	38mm	51mm	76mm	
Flange	25mm	38mm	51mm	63mm	76mm
Domed End Cap	25mm	38mm	51mm		
End Cap	25mm	38mm	51mm	63mm	76mm



Gallery & Fiddle Rails

TYPE	Size (mm)			
	25mm	38mm	51mm	76mm
Centre Bracket	25mm	38mm	51mm	76mm
End Bracket	25mm	38mm	51mm	76mm
Ball End Pillar		38mm	51mm	
Ball Centre Pillar		38mm	51mm	
6mm/10mm End Post				
6mm/10mm Centre Post				
6mm/10mm 90° Post				



BRASS

BS EN 1652



SHEET

SIZE (L x W x Thickness)	WEIGHT (kg/m)	GRADES	
2000 x 600 x 0.3mm	1.53		CZ108
2000 x 600 x 0.4mm	2.05		CZ108
2000 x 1000 x 0.5mm	4.73		CZ108*
2000 x 1000 x 0.7mm	5.96	CZ106	CZ108*^
2000 x 1000 x 0.9mm	7.67		CZ108*^
2438 x 1219 x 1mm	9.28		CZ108*^
2000 x 1000 x 1.08mm	8.67		CZ108
2000 x 1000 x 1.2mm	10.22	CZ106	CZ108*^
2438 x 1219 x 1.2mm	12.46		CZ108*^
3000 x 1000 x 1.2mm	9.92		CZ108*^
2000 x 1000 x 1.5mm	12.78	CZ106	CZ108*^
2438 x 1000 x 1.5mm	20.77		CZ108^
2438 x 1219 x 1.5mm	15.25		CZ108^
3000 x 1000 x 1.5mm	12.78		CZ108*^
2000 x 1000 x 2mm	19.68	CZ106	CZ108*^
2438 x 1219 x 2mm	20.77		CZ108*^
3000 x 1000 x 2mm	16.23		CZ108*^
2000 x 1000 x 3mm	25.56		CZ108*
2438 x 1219 x 3mm	31.16		CZ108*^
3000 x 1000 x 3mm	25.56		CZ108*^

PLATE

SIZE (L x W x Thickness)	WEIGHT (kg/m)	GRADES	
2000 x 1000 x 4mm	34.08		CZ108
2000 x 1000 x 5mm	42.60		CZ108*^
2000 x 1000 x 6.35mm	54.10		CZ108^

NAVAL PLATE

SIZE (L x W x Thickness)	WEIGHT (kg/m)	GRADES	
2000 x 1000 x 8mm	68.00		C46400
2000 x 1000 x 10mm	85.00		C46400
2500 x 1090 x 10mm	92.65		C46400
3000 x 1250 x 10mm	106.25		C46400
3000 x 1020 x 12mm	110.11		C46400
3000 x 1250 x 12mm	134.94		C46400
2120 x 1020 x 16mm	138.72		C46400
3000 x 1250 x 16mm	170.00		C46400
1987 x 1150 x 20mm	195.50		C46400
3000 x 1090 x 20mm	185.30		C46400
3000 x 1250 x 20mm	212.50		C46400
4200 x 1250 x 20mm	212.50		C46400
2810 x 1410 x 25mm	299.63		C46400
3000 x 840 x 25mm	178.50		C46400
3000 x 1090 x 25mm	231.63		C46400
3000 x 1250 x 25mm	265.63		C46400
3000 x 840 x 28mm	199.92		C46400
3000 x 1250 x 28mm	297.50		C46400
2580 x 785 x 30mm	200.18		C46400
3000 x 1250 x 30mm	318.75		C46400
3000 x 1090 x 32mm	296.48		C46400
3000 x 1250 x 32mm	340.00		C46400
4200 x 1000 x 32mm	272.00		C46400
3500 x 1520 x 38mm	452.20		C46400
3000 x 1090 x 39mm	361.34		C46400
2505 x 835 x 40mm	283.90		C46400
2700 x 900 x 40mm	306.00		C46400
3000 x 1090 x 40mm	370.60		C46400
680 x 680 x 42mm	242.76		C46400
1610 x 1500 x 50mm	637.50		C46400
2760 x 1380 x 50mm	586.50		C46400
2780 x 690 x 50mm	293.25		C46400
2460 x 613 x 57mm	297.00		C46400
2500 x 1250 x 57mm	605.63		C46400
2500 x 620 x 57mm	300.39		C46400
2000 x 1000 x 76mm	647.70		C46400

BRASS AND NAVAL BRASS

Understanding the differences



Have you ever wondered what makes brass and naval brass different?

Brass is an alloy composed of copper and zinc, often with small amounts of lead and other elements. It boasts excellent machinability, corrosion resistance, electrical conductivity, strength at high temperatures, and ductility. Brass finds applications in plumbing fixtures, musical instruments, ammunition casings, appliances, and more.

Naval brass, on the other hand, is a specific type of brass used in marine applications since the early 19th century. It contains higher concentrations of copper (usually around 60-67%) compared to typical brass alloys. This elevated copper content enhances its corrosion resistance against seawater. Naval brass also has excellent mechanical properties, such as tensile strength and fatigue resistance, enabling it to withstand harsh conditions at sea for long periods of time.

Naval brass is used for various marine components, including:

PROPELLERS AND PROPELLER SHAFTS

Due to its combination of strength and corrosion resistance, naval brass is often used for manufacturing propellers and propeller shafts in ships and boats.

VALVES AND FITTINGS

It is used for valves pumps, and other fluid-handling components in marine systems where resistance to seawater corrosion is crucial.

FASTENERS

Naval brass fasteners, such as screws and bolts, are commonly used in marine construction and repair due to their durability and corrosion resistance.

MARINE HARDWARE

Various marine hardware items, like marine fittings, bushings, and couplings, are often made from naval brass.

NAUTICAL INSTRUMENTS

Some nautical instruments, like compass housings and sextants, may also be constructed from naval brass due to its resistance to corrosion.

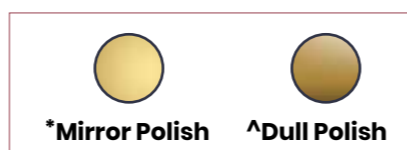


Can't find what you are looking for?

Don't hesitate to contact our sales team.

They'll be happy to assist you and address your needs.

ALSO AVAILABLE FROM STOCK AS:



It's important to note that while naval brass offers excellent corrosion resistance, it may not be suitable for all marine applications. In some cases, more specialised alloys or coatings may be required to withstand specific environmental conditions or stresses. Nonetheless, naval brass remains a widely used material in the marine industry for its favourable combination of properties.

COPPER



Copper is a versatile metal with many useful properties. In fact, it is the world's third most used metal after gold and silver. Copper is a ductile and malleable metal with excellent thermal and electrical conductivity, widely used in building construction, electrical grids, electronic products, industrial machinery and transportation vehicles. Copper is also used in various applications such as electrical wiring, plumbing, currency, jewellery, and architecture.

High conductivity copper alloys have excellent electrical conductivity properties. These alloys are commonly used in various industries such as electronics, power generation, and telecommunications, with copper bars used in applications requiring high strength and electrical conductivity, such as electrical transmission systems and power distribution.

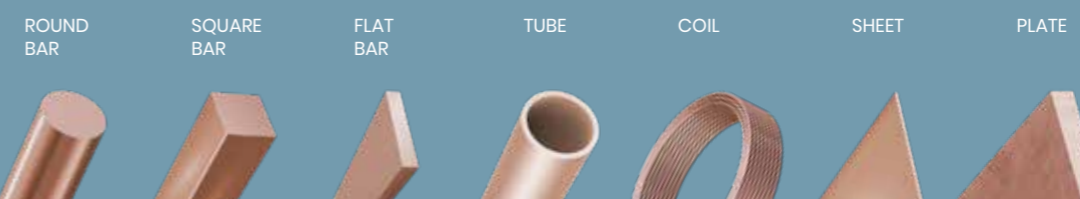
Our range of copper bars, tubes, coils and sheets are available in a range of shapes, sizes, and grades depending on their intended application, in addition to copper being a desirable material for commercial applications and architectural fittings.



STOCKED GRADES:

C101 CW004A	C103 CW008A	C106 CW024A	C106 R220 SOFT	C106 R250 HALF HARD	C106 R290 HARD
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PRODUCT TYPES:



COPPER

BS EN 1652, BS EN 13601

COPPER

BS EN 1652, BS EN 13601 (square bar), BS EN 1057, BS EN 12449 (tube)

ROUND BAR

SIZE (Diameter)	WEIGHT (kg/m)	GRADES
3.18mm	0.125"	C101
4.763mm	0.188"	C101
6.35mm	0.25"	C101
7.938mm	0.313"	C101
8.23mm	0.324"	C101
9.525mm	0.375"	C101
10mm	0.394"	C101
12mm	0.472"	C101
12.7mm	0.5"	C101
14mm	0.551"	C101
15.88mm	0.625"	C101
16mm	0.63"	C101
19.05mm	0.75"	C101
20mm	0.787"	C101
22mm	0.866"	C103
22.225mm	0.875"	C101
25mm	0.984"	C101
25.4mm	1"	C101
28.58mm	1.125"	C101
30mm	1.181"	C101
37mm	1.457"	C103
38.1mm	1.5"	C101, C103
40mm	1.575"	C101
41.275mm	1.625"	C101
44.45mm	1.75"	C101
45mm	1.772"	C101
47.625mm	1.875"	C103
50.8mm	2"	C101
57.15mm	2.25"	C101
63.5mm	2.5"	C101
69.85mm	2.75"	C101
76.2mm	3"	C101
82.55mm	3.25"	C103
95.25mm	3.75"	C103
101.6mm	4"	C101
107.95mm	4.25"	C103
120.65mm	4.75"	C103
130mm	5.118"	C103
152.4mm	6"	C103
180mm	7.087"	C103
250mm	9.843"	C101

FLAT BAR

SIZE (W x H)	WEIGHT (kg/m)	GRADES
9.525 x 6.35mm	0.375 x 0.25"	C101
12.7 x 4.763mm	0.5 x 0.188"	C101
12.7 x 6.35mm	0.5 x 0.25"	C101
15.875 x 9.525mm	0.625 x 0.375"	C101
19.05 x 3.175mm	0.75 x 0.125"	C101
19.05 x 6.35mm	0.75 x 0.25"	C101
20 x 4mm	0.787 x 0.157"	C101
20 x 5mm	0.787 x 0.197"	C101
20 x 10mm	0.787 x 0.394"	C101
25 x 5mm	0.984 x 0.197"	C101
25 x 10mm	0.984 x 0.394"	C101
25.4 x 3.175mm	1 x 0.125"	C101
25.4 x 6.35mm	1 x 0.25"	C101
25.4 x 19.05mm	1 x 0.75"	C101
30 x 8mm	1.181 x 0.315"	C101
30 x 10mm	1.181 x 0.394"	C101
31.75 x 3.175mm	1.25 x 0.125"	C101
31.75 x 6.35mm	1.25 x 0.25"	C101
31.75 x 12.7mm	1.25 x 0.5"	C101
38.1 x 3.175mm	1.5 x 0.125"	C101
38.1 x 4.763mm	1.5 x 0.188"	C101
38.1 x 9.525mm	1.5 x 0.375"	C101
38.1 x 12.7mm	1.5 x 0.5"	C101
38.1 x 15.875mm	1.5 x 0.625"	C101
38.1 x 25.4mm	1.5 x 1"	C101
40 x 6mm	1.575 x 0.236"	C101
40 x 10mm	1.575 x 0.394"	C101
44.45 x 4.763mm	1.75 x 0.188"	C101
45 x 10mm	1.772 x 0.394"	C101
50 x 10mm	1.969 x 0.394"	C101
50.8 x 3.175mm	2 x 0.125"	C101
50.8 x 6.35mm	2 x 0.25"	C101
50.8 x 9.525mm	2 x 0.375"	C101
50.8 x 12.7mm	2 x 0.5"	C101
50.8 x 15.875mm	2 x 0.625"	C101
50.8 x 19.05mm	2 x 0.75"	C101
50.8 x 31.75mm	2 x 1.25"	C101
60 x 16mm	2.362 x 0.63"	C101
63.5 x 4.763mm	2.5 x 0.188"	C101
63.5 x 6.35mm	2.5 x 0.25"	C101
75 x 6mm	2.953 x 0.236"	C101
76.2 x 9.525mm	3 x 0.375"	C101
76.2 x 12.7mm	3 x 0.5"	C101
80 x 10mm	3.15 x 0.394"	C101
100 x 60mm	3.937 x 2.362"	C101
120 x 6mm	4.724 x 0.236"	C101
152.4 x 12.7mm	6 x 0.5"	C101
200 x 10mm	7.874 x 0.394"	C101

SQUARE BAR

SIZE (W x H)	WEIGHT (kg/m)	GRADES
6mm	0.236"	C101
8mm	0.315"	C101
9.525mm	0.375"	C101
10mm	0.394"	C101
12.7mm	0.5"	C101
15.875mm	0.625"	C101

TUBE

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES
1.588 x 0.457mm	0.063 x 0.018"	C106 R250
2.381 x 0.345mm	0.094 x 0.014"	C106 R250
2.381 x 0.457mm	0.094 x 0.018"	C106 R250
3.175 x 0.457mm	0.125 x 0.018"	C106 R250
3.175 x 0.711mm	0.125 x 0.028"	C106 R250
3.97 x 0.457mm	0.156 x 0.018"	C106 R250
3.97 x 0.711mm	0.156 x 0.028"	C106 R250
4 x 0.6mm	0.157 x 0.024"	C106 R250
4.763 x 0.711mm	0.188 x 0.028"	C106 R250
4.763 x 0.914mm	0.188 x 0.036"	C106 R250
4.763 x 1.588mm	0.188 x 0.063"	C106 R250
6 x 0.8mm	0.236 x 0.031"	C106 R250 ^Δ
6 x 1mm	0.236 x 0.039"	C106 R250
6.35 x 0.711mm	0.25 x 0.028"	C106 R250
6.35 x 0.914mm	0.25 x 0.036"	C106 R250
6.35 x 1.219mm	0.25 x 0.048"	C106 R250*
6.35 x 1.626mm	0.25 x 0.064"	C106 R250
7.938 x 0.914mm	0.313 x 0.036"	C106 R250
7.938 x 1.219mm	0.313 x 0.048"	C106 R250
7.938 x 1.626mm	0.313 x 0.064"	C106 R250
7.938 x 2mm	0.313 x 0.079"	C106 R250*
8 x 0.6mm	0.315 x 0.024"	C106 R250 ^Δ
8 x 0.8mm	0.315 x 0.031"	C106 R250 ^Δ
8 x 1mm	0.315 x 0.039"	C106 R250
9.525 x 0.914mm	0.375 x 0.036"	C106 R250
9.525 x 1.219mm	0.375 x 0.048"	C106 R250
9.525 x 1.626mm	0.375 x 0.064"	C106 R250
10 x 0.8mm	0.394 x 0.031"	C106 R250
10 x 1mm	0.394 x 0.039"	C106 R250
10 x 1.2mm	0.394 x 0.047"	C106 R250*
10 x 1.5mm	0.394 x 0.059"	C106 R250*
10 x 2mm	0.394 x 0.079"	C106 R250
10.16 x 1.969mm	0.4 x 0.078"	C106 R250
11.113 x 0.711mm	0.438 x 0.028"	C106 R250
11.113 x 0.914mm	0.438 x 0.036"	C106 R250

TUBE (continued)

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES
11.113 x 1.219mm	0.438 x 0.048"	C106 R250
11.113 x 1.626mm	0.438 x 0.064"	C106 R250
12 x 0.8mm	0.472 x 0.031"	C106 R250 ^Δ
12 x 1mm	0.472 x 0.039"	C106 R250
12 x 1.2mm	0.472 x 0.047"	C106 R250
12 x 1.5mm	0.472 x 0.059"	C106 R250
12.7 x 0.914mm	0.5 x 0.036"	C106 R250 ^Δ
12.7 x 1.219mm	0.5 x 0.048"	C106 R250 ^Δ
12.7 x 1.63mm	0.5 x 0.064"	C106 R250
12.7 x 2.032mm	0.5 x 0.08"	C106 R250
12.7 x 3.251mm	0.5 x 0.128"	C106 R250
13.36 x 2.362mm	0.526 x 0.093"	C106 R250
13.97 x 2.032mm	0.55 x 0.08"	C106 R250*
14.288 x 1.219mm	0.563 x 0.048"	C106 R250
14.48 x 2.48mm	0.57 x 0.098"	C106 R250
15 x 0.7mm	0.591 x 0.028"	C106 R250 ^Δ
15 x 1mm	0.591 x 0.039"	C106 R250
15 x 1.5mm	0.591 x 0.059"	C106 R250
15 x 2.5mm	0.591 x 0.098"	C106 R250
15.875 x 0.914mm	0.625 x 0.036"	C106 R250
15.875 x 1.626mm	0.625 x 0.064"	C106 R250
15.875 x 2.032mm	0.625 x 0.08"	C106 R250
15.875 x 3.251mm	0.625 x 0.128"	C106 R250
16 x 1.2mm	0.63 x 0.047"	C106 R250
17 x 3mm	0.669 x 0.118"	C106 R250
17.463 x 0.914mm	0.688 x 0.036"	C106 R250
19 x 2mm	0.748 x 0.079"	C106 R250
19.05 x 0.914mm	0.75 x 0.036"	C106 R250
19.05 x 1.219mm	0.75 x 0.048"	C106 R250
19.05 x 1.626mm	0.75 x 0.064"	C106 R250
19.05 x 2.032mm	0.75 x 0.08"	C106 R250
19.05 x 2.64mm	0.75 x 0.104"	C106 R250
19.05 x 3.251mm	0.75 x 0.128"	C106 R250
22 x 0.9mm	0.866 x 0.035"	C106 R250 ^Δ
22 x 1mm	0.866 x 0.039"	C106 R250
22 x 1.2mm	0.866 x 0.047"	C106 R250
22 x 1.5mm	0.866 x 0.059"	C106 R250
22.225 x 1.219mm	0.875 x 0.048"	C106 R250
22.225 x 1.626mm	0.875 x 0.064"	C106 R250 ^Δ
22.225 x 3.251mm	0.875 x 0.128"	C106 R250
25 x 2mm	0.984 x 0.079"	C106 R250
25.4 x 0.914mm	1 x 0.036"	C106 R250
25.4 x 1.219mm	1 x 0.048"	C106 R250
25.4 x 1.626mm	1 x 0.064"	C106 R250
25.4 x 2.032mm	1 x 0.08"	C106 R250
25.4 x 2.642mm	1 x 0.104"	C106 R250

ALSO AVAILABLE AS:

◊R220 SOFT ◊R290 HARD

COPPER

BS EN 1057 / BS EN 12449

COPPER

BS EN 12735-1 / BS EN 12449 (coil) BS EN 1652 (sheet/plate)

TUBE (continued)

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES
25.4 x 3.251mm	1 x 0.128"	2.03 C106 R250
25.4 x 3.96mm	1 x 0.156"	2.39 C106 R250
28 x 0.9mm	1.102 x 0.035"	0.69 C106 R250 ^Δ
28 x 1.2mm	1.102 x 0.047"	0.91 C106 R250 ^Δ
28 x 1.5mm	1.102 x 0.059"	1.12 C106 R250
28 x 2mm	1.102 x 0.079"	1.46 C106 R250
28 x 2.5mm	1.102 x 0.098"	1.79 C106 R250
28.575 x 1.626mm	1.125 x 0.064"	1.23 C106 R250
28.575 x 2.032mm	1.125 x 0.08"	1.52 C106 R250
28.575 x 3.251mm	1.125 x 0.128"	2.32 C106 R250
30 x 2mm	1.181 x 0.079"	1.58 C106 R250 ^Δ
31.75 x 1.626mm	1.25 x 0.064"	1.38 C106 R250
31.75 x 2.032mm	1.25 x 0.08"	1.70 C106 R250
31.75 x 2.642mm	1.25 x 0.104"	2.17 C106 R250
31.75 x 3.251mm	1.25 x 0.128"	2.61 C106 R250
34.925 x 1.626mm	1.375 x 0.064"	1.52 C106 R250 ^Δ
34.925 x 2.03mm	1.375 x 0.08"	1.88 C106 R250
34.925 x 3.251mm	1.375 x 0.128"	2.90 C106 R250
35 x 1.2mm	1.378 x 0.047"	1.14 C106 R250 ^Δ
35 x 1.5mm	1.378 x 0.059"	1.41 C106 R250 ^Δ
38 x 2mm	1.496 x 0.079"	2.03 C106 R250 ^Δ
38.1 x 1.626mm	1.5 x 0.064"	1.67 C106 R250
38.1 x 2.03mm	1.5 x 0.08"	2.06 C106 R250
38.1 x 2.642mm	1.5 x 0.104"	2.64 C106 R250
38.1 x 3.251mm	1.5 x 0.128"	3.19 C106 R250 ^Δ
41.275 x 1.626mm	1.625 x 0.064"	1.82 C106 R250 ^Δ
41.275 x 2.032mm	1.625 x 0.08"	2.23 C106 R250 ^Δ
42 x 0.8mm	1.654 x 0.031"	0.93 C106 R250 ^Δ
42 x 1.2mm	1.654 x 0.047"	1.38 C106 R250 ^Δ
42 x 1.5mm	1.654 x 0.059"	1.71 C106 R250 ^Δ
42 x 2mm	1.654 x 0.079"	2.25 C106 R250
42 x 3.658mm	1.654 x 0.144"	3.95 C106 R250
44.45 x 0.914mm	1.75 x 0.036"	1.12 C106 R250
44.45 x 1.626mm	1.75 x 0.064"	1.96 C106 R250
44.45 x 2mm	1.75 x 0.079"	2.39 C106 R250
44.45 x 3.251mm	1.75 x 0.128"	3.77 C106 R250
45.9 x 0.7mm	1.807 x 0.028"	0.89 C106 R250
47.6 x 1.626mm	1.874 x 0.064"	2.10 C106 R250
50 x 1.5mm	1.969 x 0.059"	2.05 C106 R250
50.8 x 1.626mm	2 x 0.064"	2.25 C106 R250
50.8 x 3.251mm	2 x 0.128"	4.35 C106 R250
53.975 x 1.626mm	2.125 x 0.064"	2.40 C106 R250 ^Δ
54 x 1.2mm	2.126 x 0.047"	1.78 C106 R250 ^Δ
54 x 2mm	2.126 x 0.079"	2.93 C106 R250
54 x 3.5mm	2.126 x 0.138"	4.98 C106 R250
57.15 x 1.626mm	2.25 x 0.064"	2.54 C106 R250
57.15 x 3.251mm	2.25 x 0.128"	4.93 C106 R250
60.325 x 1.626mm	2.375 x 0.064"	2.69 C106 R250
63.5 x 1.626mm	2.5 x 0.064"	2.83 C106 R250 ^Δ
63.5 x 3.251mm	2.5 x 0.128"	5.51 C106 R250

TUBE (continued)

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES
64 x 0.7mm	2.52 x 0.028"	1.25 C106 R250
64 x 3mm	2.52 x 0.118"	5.15 C106 R250 ^Δ
64 x 7mm	2.52 x 0.276"	11.23 C106 R250
67 x 1.2mm	2.638 x 0.047"	2.22 C106 R250
67 x 2mm	2.638 x 0.079"	3.66 C106 R250 ^Δ
76 x 1.5mm	2.992 x 0.059"	3.15 C106 R250 ^Δ
76 x 2mm	2.992 x 0.079"	4.17 C106 R250 ^Δ
76.2 x 3.251mm	3 x 0.128"	6.68 C106 R250
82.55 x 1.626mm	3.25 x 0.064"	3.70 C106 R250 ^Δ
82.55 x 3.251mm	3.25 x 0.128"	7.26 C106 R250
88.9 x 1.626mm	3.5 x 0.064"	4.00 C106 R250
88.9 x 2.5mm	3.5 x 0.098"	6.08 C106 R250
101.6 x 1.626mm	4 x 0.064"	4.58 C106 R250
101.6 x 2.337mm	4 x 0.092"	6.53 C106 R250
101.6 x 3.251mm	4 x 0.128"	9.00 C106 R250
108 x 1.5mm	4.252 x 0.059"	4.50 C106 R250 ^Δ
111.125 x 2.337mm	4.375 x 0.092"	7.16 C106 R250
113 x 1.5mm	4.449 x 0.059"	4.71 C106 R250
114.3 x 2.337mm	4.5 x 0.092"	7.37 C106 R250
114.3 x 3.251mm	4.5 x 0.128"	10.16 C106 R250
117.475 x 1.626mm	4.625 x 0.064"	5.30 C106 R250
120.65 x 3.251mm	4.75 x 0.128"	10.74 C106 R250
127 x 2.337mm	5 x 0.092"	8.20 C106 R250
127 x 3.251mm	5 x 0.128"	11.32 C106 R250
133 x 1.5mm	5.236 x 0.059"	5.55 C106 R250 ^Δ
139.7 x 3.251mm	5.5 x 0.128"	12.49 C106 R250
152.4 x 3.251mm	6 x 0.128"	13.65 C106 R250
159 x 2mm	6.26 x 0.079"	8.84 C106 R250
189 x 2mm	7.441 x 0.079"	10.53 C106 R250



Don't hesitate to contact our sales team.
They'll be happy to assist you and address your needs.

ALSO AVAILABLE AS:

^ΔR220 SOFT ^ΔR290 HARD

COIL

SIZE (W x Thickness)	WEIGHT (kg/m)	GRADES
3.175 x 0.711mm	0.125 x 0.028"	0.05 C106 R220
4 x 0.6mm	0.157 x 0.024"	0.06 C106 R220
4.763 x 0.711mm	0.188 x 0.028"	0.08 C106 R220
4.763 x 0.914mm	0.188 x 0.036"	0.10 C106 R220
5 x 0.8mm	0.197 x 0.031"	0.09 C106 R220
6 x 0.8mm	0.236 x 0.031"	0.12 C106 R220
6 x 1mm	0.236 x 0.039"	0.14 C106 R220 [~]
6.35 x 0.711mm	0.25 x 0.028"	0.11 C106 R220 [~]
6.35 x 0.914mm	0.25 x 0.036"	0.14 C106 R220
6.35 x 1.219mm	0.25 x 0.048"	0.18 C106 R220
7.938 x 0.711mm	0.313 x 0.028"	0.15 C106 R220
7.938 x 0.914mm	0.313 x 0.036"	0.18 C106 R220
7.938 x 1.626mm	0.313 x 0.064"	0.29 C106 R220
8 x 0.6mm	0.315 x 0.024"	0.13 C106 R220 [~]
8 x 0.8mm	0.315 x 0.031"	0.16 C106 R220
8 x 1mm	0.315 x 0.039"	0.20 C106 R220
9.525 x 0.711mm	0.375 x 0.028"	0.18 C106 R220
9.525 x 1.219mm	0.375 x 0.048"	0.28 C106 R220
9.53 x 0.914mm	0.375 x 0.036"	0.23 C106 R220
9.53 x 1.626mm	0.375 x 0.064"	0.36 C106 R220
10 x 0.8mm	0.394 x 0.031"	0.21 C106 R220
10 x 1mm	0.394 x 0.039"	0.25 C106 R220 [~]
12 x 0.8mm	0.472 x 0.031"	0.25 C106 R220
12 x 1mm	0.472 x 0.039"	0.31 C106 R220
12.7 x 0.813mm	0.5 x 0.032"	0.27 C106 R220
12.7 x 0.914mm	0.5 x 0.036"	0.30 C106 R220
12.7 x 1.219mm	0.5 x 0.048"	0.39 C106 R220
12.7 x 1.626mm	0.5 x 0.064"	0.50 C106 R220
15.875 x 0.914mm	0.625 x 0.036"	0.38 C106 R220

ALSO AVAILABLE AS:

[~]PVC Coated

SHEET

SIZE (L x W x Thickness)	WEIGHT (kg/m)	GRADES
2000 x 1000 x 0.55mm	6.96	C106
2000 x 1000 x 0.7mm	7.24	C106*
1800 x 900 x 0.9mm	7.26	C106
2000 x 1000 x 0.9mm	7.92	C106*
2184 x 1219 x 1.065mm	8.54	C106
2000 x 1000 x 1.2mm	10.75	C101 [^] C106*
2300 x 1250 x 1.2mm	12.76	C106
2438 x 1219 x 1.2mm	13.11	C106
2438 x 1219 x 1.219mm	13.92	C106*
2000 x 1000 x 1.5mm	13.44	C106 [^]
2438 x 1219 x 1.5mm	16.63	C101
2438 x 1219 x 1.6mm	17.48	C106
2000 x 1000 x 2mm	17.92	C106*
2438 x 1219 x 2mm	21.85	C106
2500 x 1250 x 2mm	24.28	C106
2000 x 1000 x 2.5mm	22.40	C106
1832 x 1512 x 3mm	40.64	C106
1910 x 1530 x 3mm	40.78	C106
2000 x 1000 x 3mm	26.88	C101
2438 x 1219 x 3mm	32.77	C106
2500 x 1250 x 3mm	33.60	C106

PLATE

SIZE (L x W x Thickness)	WEIGHT (kg/m)	GRADES
1740 x 1633 x 4mm	100.00	C106
2000 x 1000 x 4mm	144.01	C101
2438 x 1219 x 4mm	80.00	C106
2000 x 1000 x 5mm	125.00	C101
2438 x 1219 x 5mm	180.01	C106
2000 x 1000 x 6mm	96.00	C101
2438 x 1219 x 6mm	150.01	C106
3000 x 1000 x 10mm	89.60	C103

ALSO AVAILABLE FROM STOCK AS:



*Mirror Polish



[^]Dull Polish

ALUMINIUM



Aluminium is the most abundant metal in the Earth's crust, where it makes up about 8% of the crust by weight, and there is no other metal compares to its versatility. It has a great affinity towards oxygen, forming a protective layer of oxide on the surface when exposed to air. Additionally, aluminium is a good conductor of heat and electricity, which makes it a good choice for applications that require good thermal or electrical conductivity.

Aluminium is widely used in various sectors and products due to its lightness, durability, functionality, and corrosion resistance. With its characteristics, aluminium can be efficiently used in different industries including automotive, consumer goods, decorative applications and electrical products. Aluminium can also be 100% recycled without losing its natural properties.

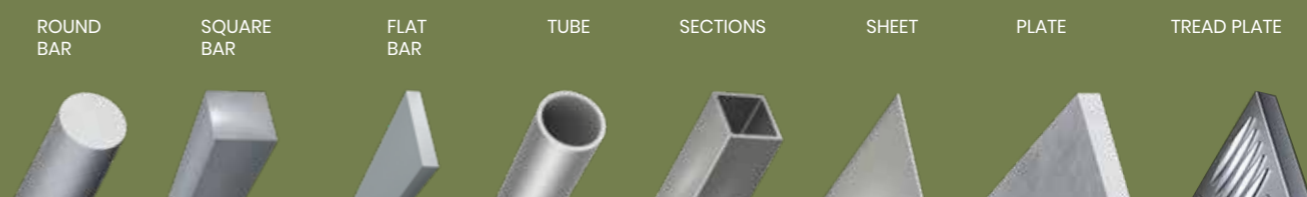
6000 Series aluminium grades available in different bar shapes have excellent strength-to-weight ratio, good workability and corrosion resistance for a wide range of uses including architectural and structural applications.



STOCKED GRADES:

1050S H14/H24	2011 T3	5083 H111	5251 H22	5754 H111	6026 T6	6063 T6	6082 T6
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PRODUCT TYPES:



ALUMINIUM

BS EN 755-2

ALUMINIUM

BS EN 755-2

ROUND BAR

SIZE (Diameter)	WEIGHT (kg/m)	GRADES
6.35mm	0.25"	0.09
8mm	0.315"	0.14
9.525mm	0.375"	0.19
12.7mm	0.5"	0.34
15.875mm	0.625"	0.53
19.05mm	0.75"	0.77
20mm	0.787"	0.85
22.225mm	0.875"	1.05
25.4mm	1"	1.37
28.575mm	1.125"	1.73
31.75mm	1.25"	2.14
34.93mm	1.375"	2.59
38.1mm	1.5"	3.08
41.275mm	1.625"	3.61
42mm	1.654"	3.74
42.863mm	1.688"	3.90
44.45mm	1.75"	4.19
47.625mm	1.875"	4.81
50.8mm	2"	5.47
53.9mm	2.122"	6.16
53.98mm	2.125"	6.18
57.15mm	2.25"	6.93
60mm	2.362"	7.63
60.325mm	2.375"	7.72
63.5mm	2.5"	8.55
66.675mm	2.625"	9.43
68mm	2.677"	9.81
69.85mm	2.75"	10.35
70mm	2.756"	10.39
76.2mm	3"	12.31
80mm	3.15"	13.57
82.55mm	3.25"	14.45
88.9mm	3.5"	16.76
95.25mm	3.75"	19.24
101.6mm	4"	21.89
107.95mm	4.25"	24.71
114.3mm	4.5"	27.70
120mm	4.724"	30.54
120.65mm	4.75"	30.87
127mm	5"	34.20
133.35mm	5.25"	37.71
135mm	5.315"	38.65
139.7mm	5.5"	41.39
140mm	5.512"	41.56
146mm	5.748"	45.20
152.4mm	6"	49.25
160mm	6.299"	54.29
165mm	6.496"	57.73
165.1mm	6.5"	57.80
171.45mm	6.75"	62.34

ROUND BAR (continued)

SIZE (Diameter)	WEIGHT (kg/m)	GRADES
177.8mm	7"	67.04
184.15mm	7.25"	71.91
190.5mm	7.5"	76.96
203.2mm	8"	87.56
215.9mm	8.5"	98.85
228.6mm	9"	110.82
241.3mm	9.5"	123.47
254mm	10"	136.81
266.7mm	10.5"	150.83
268mm	10.551"	152.31
279.4mm	11"	165.54
310mm	12.205"	203.79
312mm	12.283"	206.43
320mm	12.598"	217.15
330mm	12.992"	230.93
355.6mm	14"	268.15
360mm	14.173"	274.83
410mm	16.142"	356.47

SQUARE BAR

SIZE (W x H)	WEIGHT (kg/m)	GRADES
6.35mm	0.25"	0.11
9.525mm	0.375"	0.25
12.7mm	0.5"	0.44
15.875mm	0.625"	0.68
19.05mm	0.75"	0.98
22.2mm	0.874"	1.33
25.4mm	1"	1.74
25.5mm	1.004"	1.76
31.75mm	1.25"	2.72
35mm	1.378"	3.31
38.1mm	1.5"	3.92
40mm	1.575"	4.32
44.45mm	1.75"	5.34
45mm	1.772"	5.47
50.8mm	2"	6.97
57.15mm	2.25"	8.82
63.5mm	2.5"	10.89
70mm	2.756"	13.23
76.2mm	3"	15.68
83mm	3.268"	18.60
88.9mm	3.5"	21.34
101.6mm	4"	27.87
127mm	5"	43.55
143mm	5.63"	55.21
152.4mm	6"	62.71

FLAT BAR

SIZE (W x H)	WEIGHT (kg/m)	GRADES
12.7 x 4.763mm	0.5 x 0.188"	0.16
12.7 x 9.53mm	0.5 x 0.375"	0.33
15.875 x 3.175mm	0.625 x 0.125"	0.14
15.875 x 6.35mm	0.625 x 0.25"	0.27
15.875 x 12.7mm	0.625 x 0.5"	0.54
19.05 x 3.18mm	0.75 x 0.125"	0.16
19.05 x 4.76mm	0.75 x 0.187"	0.25
19.05 x 9.525mm	0.75 x 0.375"	0.49
19.05 x 15.875mm	0.75 x 0.625"	0.82
25.4 x 3.175mm	1 x 0.125"	0.22
25.4 x 6.35mm	1 x 0.25"	0.44
25.4 x 9.525mm	1 x 0.375"	0.65
25.4 x 12.7mm	1 x 0.5"	0.87
25.4 x 15.87mm	1 x 0.625"	1.09
28 x 25mm	1.102 x 0.984"	1.89
30 x 20mm	1.181 x 0.787"	1.62
31.75 x 12.7mm	1.25 x 0.5"	1.09
31.75 x 15.875mm	1.25 x 0.625"	1.36
31.75 x 19.05mm	1.25 x 0.75"	1.63
31.75 x 25.4mm	1.25 x 1"	2.18
38.1 x 9.525mm	1.5 x 0.375"	0.98
38.1 x 12.7mm	1.5 x 0.5"	1.31
38.1 x 19.05mm	1.5 x 0.75"	1.96
38.1 x 25.4mm	1.5 x 1"	2.61
38.1 x 31.75mm	1.5 x 1.25"	3.27
40 x 20mm	1.575 x 0.787"	2.16
44.45 x 6.35mm	1.75 x 0.25"	0.76
44.45 x 9.525mm	1.75 x 0.375"	1.14
44.45 x 12.7mm	1.75 x 0.5"	1.52
44.45 x 19.05mm	1.75 x 0.75"	2.29
44.45 x 31.75mm	1.75 x 1.25"	3.81
44.45 x 38.1mm	1.75 x 1.5"	4.57
47.625 x 9.525mm	1.875 x 0.375"	1.23
50 x 30mm	1.969 x 1.181"	4.05
50.8 x 12.7mm	2 x 0.5"	1.74
50.8 x 15.875mm	2 x 0.625"	2.18
50.8 x 25.4mm	2 x 1"	3.48
50.8 x 31.75mm	2 x 1.25"	4.36
50.8 x 32mm	2 x 1.26"	4.39
57.15 x 44.45mm	2.25 x 1.75"	6.86
63.5 x 15.875mm	2.5 x 0.625"	2.72
63.5 x 31.75mm	2.5 x 1.25"	5.44
63.5 x 44.45mm	2.5 x 1.75"	7.62
63.5 x 50.8mm	2.5 x 2"	8.71
69.85 x 31.75mm	2.75 x 1.25"	5.99
69.85 x 63.5mm	2.75 x 2.5"	11.98
76 x 20mm	2.992 x 0.787"	4.10
76.2 x 9.53mm	3 x 0.375"	1.96
76.2 x 15.88mm	3 x 0.625"	3.27
76.2 x 19.05mm	3 x 0.75"	3.92

FLAT BAR (continued)

SIZE (W x H)	WEIGHT (kg/m)	GRADES
76.2 x 31.75mm	3 x 1.25"	6.53
76.2 x 38.1mm	3 x 1.5"	7.84
76.2 x 44.45mm	3 x 1.75"	9.15
76.2 x 63.5mm	3 x 2.5"	13.06
80 x 8mm	3.15 x 0.315"	1.73
88.9 x 12.7mm	3.5 x 0.5"	3.05
88.9 x 15.88mm	3.5 x 0.625"	3.81
88.9 x 25.4mm	3.5 x 1"	6.10
88.9 x 63.5mm	3.5 x 2.5"	15.24
93 x 35mm	3.661 x 1.378"	8.79
100 x 10mm	3.937 x 0.394"	2.70
101.6 x 19.05mm	4 x 0.75"	5.23
101.6 x 25.4mm	4 x 1"	6.97
101.6 x 32mm	4 x 1.26"	8.78
101.6 x 38.1mm	4 x 1.5"	10.45
101.6 x 44.45mm	4 x 1.75"	12.19
101.6 x 50.8mm	4 x 2"	13.94
101.6 x 76.2mm	4 x 3"	20.90
101.6 x 78mm	4 x 3.071"	21.40
103 x 63mm	4.055 x 2.48"	17.52
114.3 x 31.75mm	4.5 x 1.25"	9.80
114.3 x 38.1mm	4.5 x 1.5"	11.76
114.3 x 50.8mm	4.5 x 2"	15.68
127 x 15.875mm	5 x 0.625"	5.44
127 x 31.75mm	5 x 1.25"	10.89
127 x 50.8mm	5 x 2"	17.42
127 x 101.6mm	5 x 4"	34.84
152.4 x 31.75mm	6 x 0.125"	1.31
152.4 x 63.5mm	6 x 2.5"	26.13
152.4 x 76.2mm	6 x 3"	31.36
152.4 x 101.6mm	6 x 4"	41.81

Can't find what you are looking for?

Don't hesitate to contact our sales team. They'll be happy to assist you and address your needs.

ALSO AVAILABLE FROM STOCK AS:



*Mirror Polish ^Dull Polish

ALUMINIUM

BS EN755-2

ALUMINIUM

BS EN485-2

TUBE

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES	
9.53 x 1.63mm	0.11	6063-T6	
12.7 x 1.626mm	0.15	6063-T6	
15.875 x 1.588mm	0.19		6082-T6
15.875 x 1.626mm	0.20	6063-T6	
19.05 x 1.626mm	0.24		6082-T6
19.05 x 2.032mm	0.29		6082-T6
19.05 x 3.251mm	0.44		6082-T6
19.05 x 4.76mm	0.58		6082-T6
22.225 x 3.251mm	0.52		6082-T6
22.23 x 1.626mm	0.28		6082-T6
25.4 x 1.626mm	0.33		6082-T6
25.4 x 3.25mm	0.61		6082-T6
28.575 x 3.251mm	0.70		6082-T6
30 x 2mm	0.48		6082-T6
31.75 x 1.588mm	0.41		6082-T6
31.75 x 1.626mm	0.42	6063-T6	
38.1 x 3.251mm	0.96		6082-T6
38.1 x 6.35mm	1.71		6082-T6
48.42 x 4.47mm	1.67		6082-T6
50.8 x 1.626mm	0.68		6082-T6
50.8 x 3mm	1.22	6063-T6	
50.8 x 3.251mm	1.31		6082-T6
50.8 x 6.35mm	2.39	6063-T6	6082-T6
63.5 x 3.251mm	1.66		6082-T6
76.1 x 1.626mm	1.03	6063-T6	
76.2 x 4.76mm	2.88		6082-T6
76.2 x 19.05mm	9.24		6082-T6
88.9 x 6.35mm	4.45		6082-T6
88.9 x 9.525mm	6.41		6082-T6
101.6 x 3.251mm	2.71		6082-T6
107.95 x 3.251mm	2.89		6082-T6
114.3 x 3.251mm	3.06		6082-T6
114.3 x 6.35mm	5.81		6082-T6
114.3 x 25.4mm	19.15		6082-T6
127 x 25.4mm	21.89		6082-T6
139.7 x 6.35mm	7.18		6082-T6
152.4 x 9.525mm	11.54		6082-T6
165.1 x 12.7mm	16.42		6082-T6

CHANNEL SECTION

SIZE (H x W x Wall Thickness)	WEIGHT (kg/m)	GRADES	
25.4 x 25.4 x 3.175mm	0.60	6063-T6	
28.575 x 25.4 x 3.175mm	0.63		6082-T6
50.8 x 50.8 x 3.175mm	1.25	6063-T6	6082-T6

BOX SECTION

SIZE (H x W x Wall Thickness)	WEIGHT (kg/m)	GRADES	
12.7 x 12.7 x 1.626mm	0.19	6063-T6	6082-T6
19.05 x 19.05 x 1.59mm	0.30	6063-T6	
19.05 x 19.05 x 1.626mm	0.31		6082-T6
19.05 x 19.05 x 3mm	0.52	6063-T6^	
25.4 x 25.4 x 1.63mm	0.41		6082-T6
25.4 x 25.4 x 3.25mm	0.77	6063-T6	6082-T6
31.75 x 31.75 x 1.63mm	0.53	6063-T6	
38.1 x 38.1 x 3.251mm	1.22		6082-T6
40 x 40 x 3mm	1.19	6063-T6	
50 x 50 x 3mm	1.51	6063-T6	
50.8 x 38.1 x 3.251mm	1.42		6082-T6
50.8 x 50.8 x 6.35mm	3.08		6082-T6
76.2 x 25.4 x 3.25mm	1.65		6082-T6
76.2 x 50.8 x 3.25mm	2.09	6063-T6	
100 x 100 x 4mm	4.11		6082-T6
101.6 x 101.6 x 3.25mm	3.42		6082-T6

ANGLE SECTION

SIZE (H x W x Wall Thickness)	WEIGHT (kg/m)	GRADES	
15.87 x 15.87 x 3.175mm	0.25	6063-T6	
19.05 x 12.7 x 1.59mm	0.13	6063-T6*	
19.05 x 19.05 x 1.59mm	0.16	6063-T6*	
19.05 x 19.05 x 3.175mm	0.30		6082-T6*
22.23 x 22.23 x 3.18mm	0.35	6063-T6	
25 x 25 x 3mm	0.38	6063-T6	6082-T6
25.4 x 25.4 x 1.59mm	0.21	6063-T6*	6082-T6
25.4 x 25.4 x 3.175mm	0.41		6082-T6
25.4 x 25.4 x 6.35mm	0.76		6082-T6
31.75 x 12.7 x 3.18mm	0.35	6063-T6*	
31.75 x 31.75 x 3.18mm	0.52		6082-T6
38 x 38 x 3mm	0.59	6063-T6	
38.1 x 19.05 x 3.175mm	0.46		6082-T6
38.1 x 25.4 x 3.175mm	0.52		6082-T6*
38.1 x 38.1 x 1.59mm	0.32	6063-T6	6082-T6
38.1 x 38.1 x 3.175mm	0.63		6082-T6
38.1 x 38.1 x 6.35mm	1.20		6082-T6
50 x 50 x 3mm	0.79	6063-T6	
50.8 x 50.8 x 1.59mm	0.43	6063-T6	
50.8 x 50.8 x 3.175mm	0.84		6082-T6
50.8 x 50.8 x 6.35mm	1.63		6082-T6
76.2 x 50.8 x 3.18mm	1.06	6063-T6	
76.2 x 76.2 x 3.18mm	1.28		6082-T6
76.2 x 76.2 x 6.35mm	2.50		6082-T6
101.6 x 50.8 x 3.175mm	1.28	6063-T6	

ALSO AVAILABLE FROM STOCK AS:



SHEET

SIZE (L x W x Thickness)	WEIGHT (kg/m)	GRADES			
2000 x 1000 x 0.5mm	2.71	1050A-H14/H24			
2500 x 1250 x 0.7mm	5.99	1050A-H14/H24			
2000 x 1000 x 0.8mm	4.34	1050A-H14/H24			
2000 x 1000 x 1mm	5.42	1050A-H14/H24			
2500 x 1250 x 1mm	8.47	1050A-H14/H24	5251-H22		
2000 x 1000 x 1.2mm	6.50	1050A-H14/H24			
2500 x 1250 x 1.2mm	12.31	1050A-H14/H24	5083-H111		
3000 x 1250 x 1.2mm	12.20	1050A-H14/H24			
2000 x 1000 x 1.5mm	8.13	1050A-H14/H24			
2500 x 1250 x 1.5mm	12.70	1050A-H14/H24	5083-H111	5754-H111	
3000 x 1500 x 1.5mm	18.30	1050A-H14/H24			
2000 x 1000 x 2mm	10.84	1050A-H14/H24			
2500 x 1250 x 2mm	16.90	1050A-H14/H24	5083-H111	5251-H22	5754-H111
3000 x 1500 x 2mm	24.40	1050A-H14/H24			5754-H111
3000 x 2000 x 2mm	34.82	1050A-H14/H24	5083-H111		
2500 x 1250 x 2.5mm	17.55	1050A-H14/H24			
3000 x 1500 x 2.5mm	29.32	1050A-H14/H24			
2000 x 1000 x 3mm	16.26	1050A-H14/H24			
2500 x 1250 x 3mm	25.40	1050A-H14/H24			
3000 x 1500 x 3mm	36.60	1050A-H14/H24	5083-H111		
3000 x 2000 x 3mm	48.78	1050A-H14/H24			

PLATE

SIZE (L x W x Thickness)	WEIGHT (kg/m)	GRADES			
2500 x 1250 x 4mm	33.90		5083-H111		
3000 x 1500 x 4mm	32.52	1050A-H14/H24			
2500 x 1250 x 5mm	34.21	1050A-H14/H24	5083-H111		
2500 x 1250 x 6mm	20.25				6082-T6
3000 x 1500 x 6mm	73.36			5251-H22	
2500 x 1250 x 8mm	27.00				6082-T6
1250 x 2500 x 10mm	33.75				6082-T6
1250 x 2500 x 12.7mm	42.86				6082-T6
3020 x 1018 x 20mm	54.97				6082-T6
3020 x 1520 x 25.4mm	81.13				6082-T6
1250 x 2500 x 30mm	101.25				6082-T6
1250 x 2500 x 50.8mm	171.45				6082-T6

TREAD PLATE

SIZE (L x W x Thickness)	WEIGHT (kg/m)	GRADES			
2500 x 1250 x 2mm	18.65				5754-H114
3000 x 1500 x 2mm	26.80				5754-H114
2000 x 1000 x 3mm	17.30				5754-H114
2500 x 1250 x 3mm	27.00				5754-H114
2500 x 1250 x 4.5mm	39.15				5754-H114
3000 x 1500 x 4.5mm	56.30				5754-H114

BRONZE



We have stocks of three types of bronze, aluminium bronze, leaded bronze and phosphor bronze. Whilst they are all alloys of copper, they offer different physical and mechanical advantages and are used in various applications due to their unique properties.

Aluminium bronze is an alloy of copper, aluminium, and sometimes nickel. It is known for its high strength, corrosion resistance, and excellent resistance to wear and fatigue and is commonly used in the marine sector, oil and petrochemical industries (non-sparking environments), and in the manufacture of valves and fasteners.

Leaded bronze is an alloy of copper, tin, and mainly lead. It is known for its excellent machinability, wear resistance, good load carrying capacity and thermal conductivity and is commonly used in the manufacture of bushes, bearings, and wear plates.

Phosphor bronze is an alloy of copper, tin, and a small amount of phosphorus. It is known for its high fatigue resistance, wear resistance, and excellent corrosion resistance and is commonly used in the manufacture of bearings, sleeves, thrust washers, and gears.



STOCKED GRADES:

CC333G AB2 ALUMINIUM BRONZE	CA104 CW307G ALUMINIUM BRONZE	CC491K LG2 LEADED BRONZE	CC493K RG7 LEADED BRONZE	CC483K CUSN12 PHOSPHOR BRONZE	PB102 CW451K PHOSPHOR BRONZE
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PRODUCT TYPES:



ALUMINIUM BRONZE

BS EN 12163 (round bar/hex bar), BS EN 1982 (hollow bar)

LEADED BRONZE

ROUND BAR

SIZE (Diameter)	WEIGHT (kg/m)	GRADES
12.7mm	0.5"	CA104
15.875mm	0.625"	CA104
19.05mm	0.75"	CA104
20.65mm	0.813"	CA104
22mm	0.866"	CA104
22.225mm	0.875"	CA104
25.4mm	1"	CA104
28.575mm	1.125"	CA104
31.75mm	1.25"	CA104
34.925mm	1.375"	CA104
38.1mm	1.5"	CA104
41.275mm	1.625"	CA104
44.45mm	1.75"	CA104
50.8mm	2"	CA104
53.975mm	2.125"	CA104
57.15mm	2.25"	CA104
60mm	2.362"	CA104
63.5mm	2.5"	CA104
65mm	2.559"	CA104
67mm	2.638"	CC333G
70mm	2.756"	CA104
72mm	2.835"	CA104
76.2mm	3"	CA104
77mm	3.031"	CC333G
82mm	3.228"	CC333G
82.55mm	3.25"	CA104
88.9mm	3.5"	CA104
91mm	3.583"	CA104
97mm	3.819"	CC333G
101.6mm	4"	CC333G
102mm	4.016"	CC333G
112mm	4.409"	CC333G
114.3mm	4.5"	CA104
127mm	5"	CA104
133.35mm	5.25"	CA104
139.7mm	5.5"	CA104
152mm	5.984"	CC333G
152.4mm	6"	CA104
158.75mm	6.25"	CA104
165.1mm	6.5"	CA104
177.8mm	7"	CA104
190.5mm	7.5"	CA104
203mm	7.992"	CC333G
203.2mm	8"	CA104
228.6mm	9"	CA104
241.3mm	9.5"	CA104
257.175mm	10.125"	CA104
279.4mm	11"	CA104
307.975mm	12.125"	CA104
350mm	13.78"	CA104

ROUND BAR (continued)

SIZE (Diameter)	WEIGHT (kg/m)	GRADES
404mm	15.906"	CC333G
565mm	22.244"	CC333G
616mm	24.252"	CC333G

HEX BAR

SIZE (A/F)	WEIGHT (kg/m)	GRADES
17mm	0.669"	CA104
19mm	0.748"	CA104
24mm	0.945"	CA104
27mm	1.063"	CA104
30mm	1.181"	CA104
36mm	1.417"	CA104
55mm	2.165"	CA104
65mm	2.559"	CA104

HOLLOW BAR

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES
62 x 28mm	2.441 x 1.102"	CC333G
72 x 43mm	2.835 x 1.693"	CC333G
82 x 28mm	3.228 x 1.102"	CC333G
82 x 43mm	3.228 x 1.693"	CC333G
82 x 48mm	3.228 x 1.89"	CC333G
102 x 38mm	4.016 x 1.496"	CC333G
102 x 68mm	4.016 x 2.677"	CC333G
122 x 58mm	4.803 x 2.283"	CC333G
132 x 88mm	5.197 x 3.465"	CC333G
142 x 98mm	5.591 x 3.858"	CC333G
158 x 110mm	6.22 x 4.331"	CC333G
160 x 107mm	6.299 x 4.213"	CC333G
172 x 98mm	6.772 x 3.858"	CC333G
183 x 147mm	7.205 x 5.787"	CC333G
203 x 157mm	7.992 x 6.181"	CC333G
222 x 118mm	8.74 x 4.646"	CC333G
223 x 157mm	8.78 x 6.181"	CC333G
236 x 174mm	9.291 x 6.85"	CC333G

ROUND BAR

SIZE (Diameter)	WEIGHT (kg/m)	GRADES
13mm	0.512"	CC493K
16mm	0.63"	CC493K
19mm	0.748"	CC493K
21mm	0.827"	CC493K
25.4mm	1"	CC493K
26mm	1.024"	CC493K
31mm	1.22"	CC493K
33mm	1.299"	CC493K
33.25mm	1.309"	CC493K
36mm	1.417"	CC493K
41mm	1.614"	CC493K
46mm	1.811"	CC493K
51mm	2.008"	CC493K
56mm	2.205"	CC493K
57.15mm	2.25"	CC491K
58mm	2.283"	CC491K
60mm	2.362"	CC493K
61mm	2.402"	CC493K
66mm	2.598"	CC493K
71mm	2.795"	CC493K
74mm	2.913"	CC491K
76mm	2.992"	CC493K
82mm	3.228"	CC493K
83mm	3.268"	CC493K
86mm	3.386"	CC493K
91mm	3.583"	CC493K
96mm	3.78"	CC493K
102mm	4.016"	CC493K
112mm	4.409"	CC493K
116mm	4.567"	CC491K
122mm	4.803"	CC493K
127mm	5"	CC493K
132mm	5.197"	CC493K
139.7mm	5.5"	CC493K
142mm	5.591"	CC493K
152mm	5.984"	CC493K
162mm	6.378"	CC493K
172mm	6.772"	CC493K
182mm	7.165"	CC493K
212mm	8.346"	CC493K
222mm	8.74"	CC493K
232mm	9.134"	CC493K
242mm	9.528"	CC493K
252mm	9.921"	CC493K
262mm	10.315"	CC493K
304mm	11.969"	CC493K
313mm	12.323"	CC493K
332mm	13.071"	CC493K
354mm	13.937"	CC493K
404mm	15.906"	CC493K

HEX BAR

SIZE (A/F)	WEIGHT (kg/m)	GRADES
22.225mm	0.875"	CC493K
42mm	1.654"	CC491K
51mm	2.008"	CC491K

SQUARE BAR

SIZE (W x H)	WEIGHT (kg/m)	GRADES
32mm	1.26"	CC493K
42mm	1.654"	CC493K
52mm	2.047"	CC493K

HEX HOLLOW BAR

SIZE (OD x Wall Thickness)	WEIGHT (kg/m)	GRADES
22.23 x 11.11mm	0.875 x 0.437"	CC493K
22.23 x 14.29mm	0.875 x 0.563"	CC493K
27.94 x 19.05mm	1.1 x 0.75"	CC493K
34.93 x 19.05mm	1.375 x 0.75"	CC493K
34.93 x 23.81mm	1.375 x 0.937"	CC493K
42.42 x 19.05mm	1.67 x 0.75"	CC493K
42.42 x 30.48mm	1.67 x 1.2"	CC493K
48.49 x 19.05mm	1.909 x 0.75"	CC493K
48.49 x 30.48mm	1.909 x 1.2"	CC493K
48.49 x 38mm	1.909 x 1.496"	CC493K
61 x 19.05mm	2.402 x 0.75"	CC493K
61 x 30.48mm	2.402 x 1.2"	CC493K
61 x 45mm	2.402 x 1.772"	CC493K

LEADED BRONZE

LEADED BRONZE

BS EN 10088-3

HOLLOW BAR

SIZE (Diameter)	WEIGHT (kg/m)	GRADES	
25.4 x 12.7mm	1 x 0.5"	3.39	CC493K
25.4 x 19.1mm	1 x 0.752"	1.97	CC493K
26 x 14mm	1.024 x 0.551"	3.70	CC493K
31 x 12mm	1.22 x 0.472"	5.73	CC493K
31 x 14mm	1.22 x 0.551"	5.80	CC493K
31 x 19mm	1.22 x 0.748"	4.60	CC493K
36 x 14mm	1.417 x 0.551"	8.20	CC493K
36 x 19mm	1.417 x 0.748"	7.10	CC493K
36 x 24mm	1.417 x 0.945"	5.50	CC493K
38.1 x 31.8mm	1.5 x 1.252"	3.09	CC493K
41 x 14mm	1.614 x 0.551"	11.00	CC493K
41 x 19mm	1.614 x 0.748"	9.90	CC493K
41 x 24mm	1.614 x 0.945"	8.30	CC493K
41 x 29mm	1.614 x 1.142"	6.50	CC493K
44.5 x 25.4mm	1.752 x 1"	9.36	CC493K
46 x 14mm	1.811 x 0.551"	13.47	CC493K
46 x 19mm	1.811 x 0.748"	13.00	CC493K
46 x 24mm	1.811 x 0.945"	10.80	CC493K
46 x 29mm	1.811 x 1.142"	9.60	CC493K
51 x 19mm	2.008 x 0.748"	16.60	CC493K
51 x 24mm	2.008 x 0.945"	15.00	CC493K
51 x 29mm	2.008 x 1.142"	13.20	CC493K
51 x 34mm	2.008 x 1.339"	10.90	CC493K
51 x 39mm	2.008 x 1.535"	8.30	CC493K
56 x 24mm	2.205 x 0.945"	18.90	CC493K
56 x 29mm	2.205 x 1.142"	17.00	CC493K
56 x 34mm	2.205 x 1.339"	14.80	CC493K
56 x 44mm	2.205 x 1.732"	9.20	CC493K
57.2 x 44.5mm	2.252 x 1.752"	9.06	CC493K
57.2 x 50.8mm	2.252 x 2"	4.85	CC493K
61 x 24mm	2.402 x 0.945"	23.20	CC493K
61 x 29mm	2.402 x 1.142"	21.30	CC493K
61 x 39mm	2.402 x 1.535"	16.40	CC493K
61 x 44mm	2.402 x 1.732"	13.50	CC493K
61 x 49mm	2.402 x 1.929"	10.20	CC493K
63.5 x 50.8mm	2.5 x 2"	10.18	CC493K
66 x 24mm	2.598 x 0.945"	26.51	CC493K
66 x 29mm	2.598 x 1.142"	24.65	CC493K
66 x 34mm	2.598 x 1.339"	23.60	CC493K
66 x 39mm	2.598 x 1.535"	21.00	CC493K
66 x 44mm	2.598 x 1.732"	18.10	CC493K
66 x 49mm	2.598 x 1.929"	14.80	CC493K
69.9 x 50.8mm	2.752 x 2"	16.17	CC493K
71 x 28mm	2.795 x 1.102"	31.30	CC493K
71 x 38mm	2.795 x 1.496"	26.60	CC493K
71 x 43mm	2.795 x 1.693"	23.70	CC493K
71 x 48mm	2.795 x 1.89"	20.40	CC493K
71 x 49mm	2.795 x 1.929"	18.52	CC493K
71 x 53mm	2.795 x 2.087"	16.80	CC493K
71 x 54mm	2.795 x 2.126"	14.90	CC493K

HOLLOW BAR (Continued)

SIZE (Diameter)	WEIGHT (kg/m)	GRADES	
71 x 58mm	2.795 x 2.283"	12.80	CC493K
76 x 38mm	2.992 x 1.496"	30.38	CC493K
76 x 48mm	2.992 x 1.89"	25.70	CC493K
76 x 49mm	2.992 x 1.929"	23.67	CC493K
76 x 53mm	2.992 x 2.087"	22.10	CC493K
76 x 54mm	2.992 x 2.126"	20.06	CC493K
76 x 59mm	2.992 x 2.323"	16.10	CC493K
77 x 25mm	3.031 x 0.984"	37.20	CC493K
81 x 28mm	3.189 x 1.102"	42.30	CC493K
81 x 33mm	3.189 x 1.299"	38.38	CC493K
81 x 48mm	3.189 x 1.89"	31.40	CC493K
81 x 53mm	3.189 x 2.087"	27.80	CC493K
81 x 63mm	3.189 x 2.48"	19.50	CC493K
82 x 63mm	3.228 x 2.48"	19.32	CC493K
82.6 x 31.8mm	3.252 x 1.252"	40.76	CC493K
86 x 38mm	3.386 x 1.496"	41.75	CC493K
86 x 58mm	3.386 x 2.283"	29.90	CC493K
86 x 63mm	3.386 x 2.48"	25.60	CC493K
86 x 68mm	3.386 x 2.677"	19.44	CC493K
87 x 68mm	3.425 x 2.677"	20.66	CC493K
88.9 x 76.2mm	3.5 x 3"	14.71	CC493K
89.7 x 37.3mm	3.531 x 1.469"	46.15	CC491K
91 x 28mm	3.583 x 1.102"	54.70	CC493K
91 x 48mm	3.583 x 1.89"	43.90	CC493K
91 x 58mm	3.583 x 2.283"	36.30	CC493K
92 x 58mm	3.622 x 2.283"	35.77	CC493K
92 x 68mm	3.622 x 2.677"	26.93	CC493K
92 x 73mm	3.622 x 2.874"	21.99	CC493K
95.3 x 38.1mm	3.752 x 1.5"	53.52	CC493K
95.3 x 50.8mm	3.752 x 2"	45.60	CC493K
96 x 73mm	3.78 x 2.874"	29.00	CC493K
101.6 x 82.6mm	4 x 3.252"	24.55	CC493K
101.6 x 88.9mm	4 x 3.5"	16.97	CC493K
102 x 38mm	4.016 x 1.496"	65.40	CC493K
102 x 48mm	4.016 x 1.89"	59.20	CC493K
102 x 58mm	4.016 x 2.283"	51.70	CC493K
102 x 68mm	4.016 x 2.677"	42.60	CC493K
102 x 73mm	4.016 x 2.874"	37.60	CC493K
102 x 78mm	4.016 x 3.071"	32.20	CC493K
102 x 88mm	4.016 x 3.465"	20.30	CC493K
103 x 88mm	4.055 x 3.465"	20.09	CC493K
106 x 63mm	4.173 x 2.48"	50.97	CC493K
107 x 43mm	4.213 x 1.693"	67.33	CC493K
112 x 48mm	4.409 x 1.89"	74.70	CC493K
112 x 58mm	4.409 x 2.283"	67.10	CC493K
112 x 68mm	4.409 x 2.677"	58.10	CC493K
112 x 78mm	4.409 x 3.071"	47.70	CC493K
112 x 88mm	4.409 x 3.465"	35.70	CC493K
114.3 x 38.1mm	4.5 x 1.5"	81.45	CC493K
116 x 62mm	4.567 x 2.441"	67.42	CC493K

HOLLOW BAR (Continued)

SIZE (Diameter)	WEIGHT (kg/m)	GRADES	
117 x 73mm	4.606 x 2.874"	58.63	CC493K
121.5 x 101.6mm	4.783 x 4"	31.14	CC493K
122 x 58mm	4.803 x 2.283"	84.10	CC493K
122 x 68mm	4.803 x 2.677"	75.00	CC493K
122 x 53mm	4.803 x 2.087"	83.74	CC491K
122 x 78mm	4.803 x 3.071"	64.60	CC493K
122 x 88mm	4.803 x 3.465"	52.70	CC493K
122 x 98mm	4.803 x 3.858"	39.30	CC493K
127 x 93mm	5 x 3.661"	55.20	CC493K
128 x 81mm	5.039 x 3.189"	68.90	CC493K
128 x 83mm	5.039 x 3.268"	66.59	CC493K
132 x 58mm	5.197 x 2.283"	102.40	CC493K
132 x 68mm	5.197 x 2.677"	93.40	CC493K
132 x 78mm	5.197 x 3.071"	82.90	CC493K
132 x 88mm	5.197 x 3.465"	71.00	CC493K
132 x 98mm	5.197 x 3.858"	57.70	CC493K
132 x 108mm	5.197 x 4.252"	42.90	CC493K
141.8 x 61.4mm	5.583 x 2.417"	113.30	CC491K
142 x 58mm	5.591 x 2.283"	117.83	CC493K
142 x 68mm	5.591 x 2.677"	113.20	CC493K
142 x 78mm	5.591 x 3.071"	102.70	CC493K
142 x 98mm	5.591 x 3.858"	77.50	CC493K
142 x 108mm	5.591 x 4.252"	62.70	CC493K
142 x 118mm	5.591 x 4.646"	46.50	CC493K
145 x 124mm	5.709 x 4.882"	39.62	CC493K
152 x 88mm	5.984 x 3.465"	112.10	CC493K
152 x 98mm	5.984 x 3.858"	98.70	CC493K
152 x 108mm	5.984 x 4.252"	83.90	CC493K
152 x 118mm	5.984 x 4.646"	67.70	CC493K
154 x 49mm	6.063 x 1.929"	149.50	CC493K
162 x 78mm	6.378 x 3.071"	141.39	CC493K
162 x 108mm	6.378 x 4.252"	106.63	CC493K
162 x 118mm	6.378 x 4.646"	90.40	CC493K
162 x 128mm	6.378 x 5.039"	72.70	CC493K
162 x 138mm	6.378 x 5.433"	53.60	CC493K
167 x 75mm	6.575 x 2.953"	154.40	CC491K
167 x 127mm	6.575 x 5"	82.48	CC493K
172 x 98mm	6.772 x 3.858"	140.13	CC493K
172 x 108mm	6.772 x 4.252"	130.80	CC493K
172 x 118mm	6.772 x 4.646"	114.50	CC493K
172 x 128mm	6.772 x 5.039"	96.90	CC493K
172 x 138mm	6.772 x 5.433"	73.92	CC493K
182 x 78mm	7.165 x 3.071"	189.65	CC493K
182 x 138mm	7.165 x 5.433"	98.75	CC493K
182 x 158mm	7.165 x 6.22"	60.80	CC493K
192 x 98mm	7.559 x 3.858"	198.10	CC493K
192 x 128mm	7.559 x 5.039"	149.40	CC493K
192 x 148mm	7.559 x 5.827"	109.80	CC493K
202 x 98mm	7.953 x 3.858"	226.60	CC493K
202 x 148mm	7.953 x 5.827"	138.20	CC493K

HOLLOW BAR (Continued)

SIZE (Diameter)	WEIGHT (kg/m)	GRADES	
202 x 168mm	7.953 x 6.614"	92.80	CC493K
202 x 178mm	7.953 x 7.008"	67.90	CC493K
212 x 148mm	8.346 x 5.827"	138.20	CC493K
212 x 178mm	8.346 x 7.008"	97.80	CC493K
222 x 98mm	8.74 x 3.858"	284.20	CC493K
222 x 118mm	8.74 x 4.646"	253.50	CC493K
222 x 138mm	8.74 x 5.433"	212.09	CC493K
222 x 158mm	8.74 x 6.22"	177.50	CC493K
232 x 148mm	9.134 x 5.827"	229.10	CC493K
232 x 168mm	9.134 x 6.614"	186.80	CC493K
232 x 178mm	9.134 x 7.008"	161.90	CC493K
232 x 198mm	9.134 x 7.795"	105.80	CC493K
242 x 118mm	9.528 x 4.646"	319.70	CC493K
242 x 198mm	9.528 x 7.795"	142.10	CC493K
252 x 148mm	9.921 x 5.827"	291.77	CC493K
252 x 178mm	9.921 x 7.008"	231.80	CC493K
252 x 198mm	9.921 x 7.795"	177.70	CC493K
262 x 218mm	10.315 x 8.583"	155.00	CC493K
272 x 198mm	10.709 x 7.795"	253.40	CC493K
272 x 218mm	10.709 x 8.583"	193.50	CC493K
272 x 238mm	10.709 x 9.37"	121.62	CC493K
282 x 208mm	11.102 x 8.189"	264.10	CC493K
292 x 218mm	11.496 x 8.583"	274.90	CC493K
304 x 146mm	11.969 x 5.748"	515.00	CC493K
304 x 196mm	11.969 x 7.717"	392.00	CC493K
304 x 246mm	11.969 x 9.685"	233.10	CC493K
354 x 196mm	13.937 x 7.717"	629.40	CC493K
354 x 246mm	13.937 x 9.685"	470.40	CC493K
354 x 296mm	13.937 x 11.654"	275.40	CC493K
404 x 346mm	15.906 x 13.622"	317.80	CC493K
462 x 374mm	18.189 x 14.724"	515.98	CC493K
504 x 416mm	19.843 x 16.378"	577.70	CC493K

PHOSPHOR BRONZE

BS EN 1982

PHOSPHOR BRONZE

BS EN 1982

ROUND BAR

SIZE (Diameter)	WEIGHT (kg/m)	GRADES
3.97mm	0.156"	PBI02
4.763mm	0.188"	PBI02
6.35mm	0.25"	PBI02
7.938mm	0.313"	PBI02
9.525mm	0.375"	PBI02
12.7mm	0.5"	PBI02
13mm	0.512"	CC483K
15.875mm	0.625"	PBI02
17mm	0.669"	CC483K
19.05mm	0.75"	PBI02
21mm	0.827"	CC483K
22.225mm	0.875"	PBI02
25.4mm	1"	PBI02
26mm	1.024"	CC483K
28.575mm	1.125"	PBI02
31mm	1.22"	CC483K
31.75mm	1.25"	PBI02
32mm	1.26"	CC483K
34.925mm	1.375"	PBI02
36mm	1.417"	CC483K
38.1mm	1.5"	PBI02
41mm	1.614"	CC483K
41.275mm	1.625"	PBI02
44.45mm	1.75"	PBI02
46mm	1.811"	CC483K
47.625mm	1.875"	PBI02
50.8mm	2"	PBI02
51mm	2.008"	CC483K
53.975mm	2.125"	PBI02
56mm	2.205"	CC483K
57.15mm	2.25"	PBI02
61mm	2.402"	CC483K
63.5mm	2.5"	PBI02
66mm	2.598"	CC483K
69.85mm	2.75"	PBI02
71mm	2.795"	CC483K
76mm	2.992"	CC483K
76.2mm	3"	PBI02
81mm	3.189"	CC483K
82.55mm	3.25"	PBI02
86mm	3.386"	CC483K
91mm	3.583"	CC483K
92mm	3.622"	CC483K
96mm	3.78"	CC483K
101.6mm	4"	PBI02
102mm	4.016"	CC483K
112mm	4.409"	CC483K
114.3mm	4.5"	PBI02
122mm	4.803"	CC483K
127mm	5"	CC483K

ROUND BAR (continued)

SIZE (Diameter)	WEIGHT (kg/m)	GRADES
132mm	5.197"	CC483K
142mm	5.591"	CC483K
152mm	5.984"	CC483K
152.4mm	6"	PBI02
162mm	6.378"	CC483K
172mm	6.772"	CC483K
182mm	7.165"	CC483K
192mm	7.559"	CC483K
202mm	7.953"	CC483K
222mm	8.74"	CC483K
232mm	9.134"	CC483K
252mm	9.921"	CC483K
262mm	10.315"	CC483K
282mm	11.102"	CC483K
304mm	11.969"	CC483K
354mm	13.937"	CC483K

HEX BAR

SIZE (A/F)	WEIGHT (kg/m)	GRADES
15.24mm	0.6"	PBI02
19.05mm	0.75"	PBI02
22.225mm	0.875"	PBI02
23.368mm	0.92"	PBI02
23.8mm	0.937"	PBI02
25.654mm	1.01"	PBI02
33.02mm	1.3"	PBI02
47.244mm	1.86"	PBI02

HOLLOW BAR

SIZE (OD x Thickness)	WEIGHT (kg/m)	GRADES
25.4 x 19.05mm	1 x 0.75"	CC483K
26 x 14mm	1.024 x 0.551"	CC483K
31 x 14mm	1.22 x 0.551"	CC483K
31.75 x 25.4mm	1.25 x 1"	CC483K
36 x 19mm	1.417 x 0.748"	CC483K
36 x 24mm	1.417 x 0.945"	CC483K
41 x 14mm	1.614 x 0.551"	CC483K
41 x 19mm	1.614 x 0.748"	CC483K
46 x 14mm	1.811 x 0.551"	CC483K
46 x 24mm	1.811 x 0.945"	CC483K
46 x 29mm	1.811 x 1.142"	CC483K
50.8 x 44.45mm	2 x 1.75"	CC483K
51 x 19mm	2.008 x 0.748"	CC483K
51 x 24mm	2.008 x 0.945"	CC483K
51 x 29mm	2.008 x 1.142"	CC483K
51 x 34mm	2.008 x 1.339"	CC483K
57.15 x 47.63mm	2.25 x 1.875"	CC483K
61 x 29mm	2.402 x 1.142"	CC483K
61 x 39mm	2.402 x 1.535"	CC483K
61 x 49mm	2.402 x 1.929"	CC483K
63.5 x 44.45mm	2.5 x 1.75"	CC483K
63.5 x 50.8mm	2.5 x 2"	CC483K
64 x 38mm	2.52 x 1.496"	CC483K
66 x 24mm	2.598 x 0.945"	CC483K
66 x 29mm	2.598 x 1.142"	CC483K
66 x 39mm	2.598 x 1.535"	CC483K
71 x 28mm	2.795 x 1.102"	CC483K
71 x 48mm	2.795 x 1.89"	CC483K
75 x 49mm	2.953 x 1.929"	CC483K
76 x 38mm	2.992 x 1.496"	CC483K
76 x 59mm	2.992 x 2.323"	CC483K
76.2 x 63.5mm	3 x 2.5"	CC483K
77 x 23mm	3.031 x 0.906"	CC483K
77 x 25mm	3.031 x 0.984"	CC483K
77 x 63mm	3.031 x 2.48"	CC483K
81 x 38mm	3.189 x 1.496"	CC483K
81 x 48mm	3.189 x 1.89"	CC483K
81 x 58mm	3.189 x 2.283"	CC483K
82 x 58mm	3.228 x 2.283"	CC483K
82.55 x 69.85mm	3.25 x 2.75"	CC483K
91 x 38mm	3.583 x 1.496"	CC483K
91 x 48mm	3.583 x 1.89"	CC483K
91 x 58mm	3.583 x 2.283"	CC483K
92 x 48mm	3.622 x 1.89"	CC483K
92 x 68mm	3.622 x 2.677"	CC483K
95.25 x 76.2mm	3.75 x 3"	CC483K
96 x 30mm	3.78 x 1.181"	CC483K
96 x 38mm	3.78 x 1.496"	CC483K
102 x 38mm	4.016 x 1.496"	CC483K
102 x 48mm	4.016 x 1.89"	CC483K

HOLLOW BAR (continued)

SIZE (OD x Thickness)	WEIGHT (kg/m)	GRADES
102 x 58mm	4.016 x 2.283"	CC483K
102 x 68mm	4.016 x 2.677"	CC483K
102 x 73mm	4.016 x 2.874"	CC483K
102 x 78mm	4.016 x 3.071"	CC483K
105 x 88mm	4.134 x 3.465"	CC483K
112 x 58mm	4.409 x 2.283"	CC483K
112 x 68mm	4.409 x 2.677"	CC483K
112 x 78mm	4.409 x 3.071"	CC483K
112 x 88mm	4.409 x 3.465"	CC483K
114.3 x 95.25mm	4.5 x 3.75"	CC483K
122 x 48mm	4.803 x 1.89"	CC483K
122 x 58mm	4.803 x 2.283"	CC483K
122 x 78mm	4.803 x 3.071"	CC483K
122 x 88mm	4.803 x 3.465"	CC483K
132 x 48mm	5.197 x 1.89"	CC483K
132 x 68mm	5.197 x 2.677"	CC483K
132 x 88mm	5.197 x 3.465"	CC483K
132 x 98mm	5.197 x 3.858"	CC483K
132 x 108mm	5.197 x 4.252"	CC483K
142 x 58mm	5.591 x 2.283"	CC483K
142 x 68mm	5.591 x 2.677"	CC483K
142 x 78mm	5.591 x 3.071"	CC483K
142 x 88mm	5.591 x 3.465"	CC483K
142 x 98mm	5.591 x 3.858"	CC483K
142 x 108mm	5.591 x 4.252"	CC483K
142 x 118mm	5.591 x 4.646"	CC483K
152 x 68mm	5.984 x 2.677"	CC483K
152 x 98mm	5.984 x 3.858"	CC483K
152 x 108mm	5.984 x 4.252"	CC483K
152 x 118mm	5.984 x 4.646"	CC483K
152 x 128mm	5.984 x 5.039"	CC483K
162 x 88mm	6.378 x 3.465"	CC483K
162 x 98mm	6.378 x 3.858"	CC483K
162 x 128mm	6.378 x 5.039"	CC483K
172 x 68mm	6.772 x 2.677"	CC483K
172 x 98mm	6.772 x 3.858"	CC483K
172 x 128mm	6.772 x 5.039"	CC483K
172 x 138mm	6.772 x 5.433"	CC483K
172 x 148mm	6.772 x 5.827"	CC483K
182 x 98mm	7.165 x 3.858"	CC483K
182 x 118mm	7.165 x 4.646"	CC483K
182 x 128mm	7.165 x 5.039"	CC483K
182 x 138mm	7.165 x 5.433"	CC483K
192 x 78mm	7.559 x 3.071"	CC483K
192 x 128mm	7.559 x 5.039"	CC483K
192 x 148mm	7.559 x 5.827"	CC483K
202 x 98mm	7.953 x 3.858"	CC483K
202 x 118mm	7.953 x 4.646"	CC483K
202 x 138mm	7.953 x 5.433"	CC483K
202 x 148mm	7.953 x 5.827"	CC483K

PHOSPHOR BRONZE

BS EN 1982 (hollow bar)

HOLLOW BAR (continued)

SIZE (OD x Thickness)	WEIGHT (kg/m)	GRADES	
202 x 158mm	7.953 x 6.22"	111.70	CC483K
212 x 158mm	8.346 x 6.22"	140.70	CC483K
212 x 168mm	8.346 x 6.614"	120.00	CC483K
212 x 178mm	8.346 x 7.008"	93.90	CC483K
222 x 138mm	8.74 x 5.433"	209.00	CC483K
222 x 148mm	8.74 x 5.827"	192.30	CC483K
222 x 158mm	8.74 x 6.22"	173.50	CC483K
222 x 168mm	8.74 x 6.614"	145.56	CC483K
232 x 168mm	9.134 x 6.614"	182.60	CC483K
232 x 188mm	9.134 x 7.402"	130.40	CC483K
242 x 178mm	9.528 x 7.008"	185.78	CC483K
242 x 188mm	9.528 x 7.402"	166.00	CC483K
242 x 198mm	9.528 x 7.795"	136.60	CC483K
252 x 178mm	9.921 x 7.008"	223.50	CC483K
252 x 198mm	9.921 x 7.795"	171.10	CC483K
262 x 208mm	10.315 x 8.189"	175.41	CC483K
272 x 168mm	10.709 x 6.614"	320.70	CC483K
272 x 218mm	10.709 x 8.583"	186.30	CC483K
304 x 146mm	11.969 x 5.748"	503.50	CC483K
304 x 196mm	11.969 x 7.717"	383.30	CC483K
304 x 246mm	11.969 x 9.685"	228.70	CC483K
308 x 160mm	12.126 x 6.299"	478.72	CC483K
354 x 196mm	13.937 x 7.717"	615.40	CC483K
354 x 246mm	13.937 x 9.685"	454.10	CC483K
354 x 296mm	13.937 x 11.654"	265.30	CC483K
379 x 316mm	14.921 x 12.441"	302.62	CC483K
404 x 296mm	15.906 x 11.654"	536.60	CC483K
435 x 296mm	17.126 x 11.654"	702.27	CC483K

SHEET

SIZE (L x W x Thickness)	WEIGHT (kg/m)	GRADES
2000 x 1000 x 1.2mm	12.47	PB102
2000 x 1000 x 1.6mm	34.16	PB102
2000 x 1000 x 3mm	57.70	PB102

PLATE

SIZE (L x W x Thickness)	WEIGHT (kg/m)	GRADES
2000 x 1000 x 5mm	88.50	PB102
2000 x 1000 x 8mm	141.60	PB102
2000 x 1000 x 10mm	177.50	PB102



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BRONZE BRILLIANCE

Decoding the differences

In general terms, Bronze is an extremely hard metal!

Bronze is a fascinating alloy that has been used by humans for thousands of years. It is primarily composed of copper, but its unique properties are derived from the addition of various other elements that give bronze increased strength, elasticity and resistance to wear and corrosion, making it a valuable material for a variety of applications.

Ideal for tough conditions in which wear and tear, or where durability are key factors, Bronze alloys come in a variety of compositions, each designed for a particular use. While Aluminium Bronze, Phosphor Bronze and Leaded Bronze are all types of Bronze, they have different compositions and are tailored for specific applications based on their unique properties.



ALUMINUM BRONZE

is a type of bronze alloy that contains copper as the base metal, along with aluminum as the main alloying element. Other elements such as iron, nickel, manganese and silicon may also be present in varying amounts.

Aluminum bronze exhibits high strength, excellent corrosion resistance and good wear resistance. It is often used in applications requiring high mechanical strength and resistance to corrosion, such as marine applications, chemical processing equipment and aerospace components.

PHOSPHOR BRONZE

is a bronze alloy that contains copper as the base metal, with tin as the primary alloying element. Phosphorus is added in small amounts to improve the alloy's wear resistance.

Phosphor bronze is known for its excellent spring properties, corrosion resistance and good electrical conductivity. It is commonly used in applications such as electrical connectors, springs and musical instruments.



LEADED BRONZE

or leaded gunmetal, typically contains copper as the base metal, along with lead as the main alloying element. Other elements such as tin may also be present.

Leaded bronze is valued for its superior machinability, good wear resistance and self-lubricating properties. It is often used in applications such as bearings, bushings, and other components where ease of machining and reduced friction are important.

In summary, while all three alloys are types of bronze, they have different compositions and are tailored for specific applications based on their unique properties. Aluminum bronze is chosen for its strength and corrosion resistance, phosphor bronze for its spring properties and electrical conductivity, and leaded bronze for its machinability and self-lubricating characteristics. The selection between them depends on the specific requirements of the intended use.

NICKEL ALLOYS



A nickel alloy is a type of metal that contains nickel as one of its primary elements. It is typically alloyed with other metals to create a material with specific properties such as high strength, corrosion resistance and excellent performance at high temperatures.

It is often used in extreme working environments, such as those encountered in the aerospace, chemical processing, and petroleum industries but can also be used in electrical applications.

Nickel alloy 718 is composed of nickel, chromium, iron, and trace amounts of other elements such as titanium and cobalt, making it a high-strength, corrosion-resistant material that is widely used in various industries including aerospace engineering, nuclear power plants, and chemical processing.



STOCKED GRADES:

625	718	X750
2.4856	2.4668	2.4669

PRODUCT TYPES:

ROUND
BAR



ROUND BAR

SIZE (Diameter)		WEIGHT (kg/m)	GRADES		
12.7mm	0.5"	1.04		718	
19.05mm	0.75"	2.34		718	
20mm	0.787"	2.58		718	
23.012mm	0.906"	3.44			X750
25.4mm	1"	4.17		718	
34.925mm	1.375"	7.93			X750
36.5mm	1.437"	8.66			X750
39.675mm	1.562"	10.24			X750
40mm	1.575"	10.61	625		
41.275mm	1.625"	11.08			X750
44.45mm	1.75"	12.77		718	
50.8mm	2"	16.68		718	X750
63.5mm	2.5"	26.03		718	
101.6mm	4"	68.43	625		
139.7mm	5.5"	129.37	625		
228.6mm	9"	346.41	625		
260mm	10.236"	448.10	625		

PEWTER

Pewter is a versatile and durable material widely used in various applications due to its malleability and attractive finish. Composed primarily of tin, often combined with small amounts of copper, pewter sheets exhibit a silvery-grey appearance that can be polished to a high sheen or left with a matte finish. This material is popular in the creation of decorative items, jewelry and functional objects such as tableware and kitchen utensils, owing to its resistance to tarnishing and corrosion.

PEWTER SHEET

SIZE (L x W x Thickness)	WEIGHT (kg/m)
2000 x 1000 x 1.5mm	15.78

ZINC

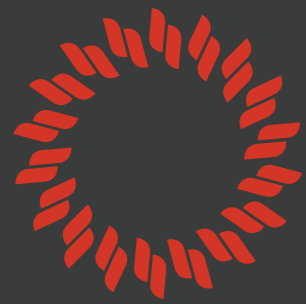
Zinc is a highly functional material known for its excellent corrosion resistance, making it ideal for a range of applications, especially in construction and manufacturing. These sheets are commonly used in roofing, cladding and gutters due to zinc's ability to form a protective patina that prevents rust, extending the lifespan of structures exposed to the elements. Additionally, zinc sheets are valued in the automotive and appliance industries for their durability, recyclability and ease of machining.

ZINC SHEET

SIZE (L x W x Thickness)	WEIGHT (kg/m)
2000 x 1000 x 1.5mm	15.78
3000 x 1000 x 1.5mm	23.67
2000 x 1000 x 2mm	17.58

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