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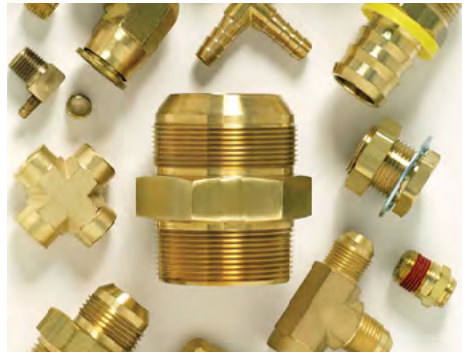
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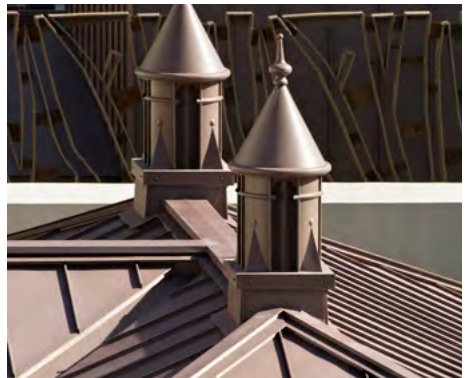
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Copper

Copper Alloy Data

102-OF Oxygen Free Copper	The removal of oxygen without the addition of phosphorous gives oxygen-free copper very high electrical conductivity (100.5 – 102.2% IACS). This also allows immunity to hydrogen embrittlement and provides excellent weldability and brazing characteristics. The combination of electrical conductivity and weldability is highly beneficial with customers using automated high-speed manufacturing processes, such as the cable industry.
110 High Conductive Copper (ETP Copper)	This metal contains sufficient oxygen to induce good ductility, combined with the highest conductivity (98-100% IACS) for electrical applications such as busbars and other electrical conductors and components. They also have excellent corrosion resistance to weather in various building applications, and have excellent resistance to most chemicals.
112 Deoxidised Copper (DHP Copper)	Deoxidised coppers are those to which deoxidants such as phosphorus have been added to remove the oxygen. The higher the phosphorus residual the more effective the deoxidisation, but the lower the conductivity. Phosphorus deoxidised coppers have lower electrical (85% IACS) and thermal conductivities due to residual traces of deoxidant, but have excellent ductility, hot and cold, and are readily joined by brazing and welding. The standard phosphorus deoxidised copper has a high residual phosphorus and is required to pass a hydrogen embrittlement test.
147 Free Machining Copper	Sulphur bearing coppers are free machining coppers. The addition of small amounts of sulphur improves the machinability to 85% of free machining brass whilst still retaining a high electrical conductivity which is only reduced to 85-95% of IACS. Free machining coppers are used for welding torch nozzles and machined electrical components, or to replace brass where improved corrosion resistance may be required in a machined component.
J47Z Zirconium Chromium Copper	A small addition of zirconium to a basic chrome copper makes this alloy particularly suitable for spot and seam welding of plated metals such as tin plate,terne plate, zinc or lead coated steels or aluminium. This alloy has a high electrical and thermal conductivity and has a great resistance to softening, retaining its hardness up to 500oC
U50 Beryllium Nickel Copper	This alloy has 1.75% Nickel and 0.4% Beryllium which gives it a combination of strength with good electrical conductivity, high hardness and excellent wear resistance. A RWMA Class III Alloy, it is suitable for welding high resistance materials such as stainless steel, heat resisting alloys and monel metal. Main applications are seamless welding wheels, dies for flash-butt, butt and projection welding, and seam welder wheel spindles.

Copper Shim

Alloy T12



Sheet Thickness mm	Width mm	Weight kg/m	Product No.
0.15	300	0.40	0002144
0.20	300	0.54	0002143
0.25	300	0.67	0002141
0.30	300	0.80	0002140

Copper Coil

Alloy 122



Coil Thickness mm	Width mm	Weight kg/m	Product No.
0.50	1000	4.47	0002328
0.55	1200	5.93	0013728
0.70	1000	6.96	0002326
0.70	1200	7.55	0014564
0.90	1000	8.05	0002324
1.20	1000	10.73	0002322
1.50	1000	13.41	0002320
2.00	1000	17.88	0002319
2.50	1000	22.35	0002318
3.00	1000	26.82	0002317

Copper Sheet

Alloy T10 - Half Hard



Sheet Thickness mm	Length x Width mm	Weight kg/sheet	Product No.
0.50	2400 x 1000	10.74	0002165
0.55	2400 x 1200	14.25	
0.70	2400 x 1000	15.04	0002163
0.90	2400 x 1000	19.33	0002159
1.20	2400 x 1000	25.77	0002157
1.50	2400 x 1000	32.18	0002155
2.00	2400 x 1000	42.96	0002152
2.50	2400 x 1000	53.70	0002151
3.00	2400 x 1000	64.44	0002150

Round Copper Rods

Alloy 110 - Cold Drawn



Width mm	Weight kg/m	Product No.
3.18	0.07	0002203
6.35	0.28	0002204
7.40	0.44	0002205
9.53	0.64	0002206
12.00	1.00	0002208
12.70	1.13	0012743
15.88	1.77	0012744
19.05	2.55	0012745
25.40	4.53	0002213
31.80	7.08	0002214
38.10	10.19	0002215
50.80	18.12	0002216
76.20	40.78	0002218

Length 3.6m

Specialty Round Copper Rods

Alloy J47Z, U50 and U77 - As extruded or hot forged, machining



Diameter mm	Weight kg/m	Product No.			
		J47Z	U50	U77	V14
6.35	0.29				0002418
9.53	0.63	0002400			
12.70	1.13	0002401		0002415	
15.88	1.13	0002402			
19.05	2.50		0002412		
19.05	2.51	0002403			
19.05	2.53			0002416	
25.40	4.51	0002404		0002417	
25.40	4.46		0002413		
31.80	7.04	0002405			

Flat Copper Bars

Alloy 110 - Cold Drawn



Width mm	Thickness mm	Weight kg/m	Product No. Alloy 110		
			Radius Corner RC	Full Radius FR	TINNED RC
19.05	3.18	0.54	0002232		
19.05	4.76	0.81	0002233		
20.00	10.00	1.79	0002235		0014093
25.40	3.18	0.72	0002239		
25.40	4.76	1.08	0002242		
25.40	6.35	1.44	0002245	0002246	
24.40	9.53	2.16	0002247		
30.00	5.00	1.34	0002252		
30.00	6.00	1.61			0017065
30.00	10.00	2.68	0002255		0014094
31.80	6.35	1.80	0002259		
38.10	3.18	1.08	0002262		
38.10	6.35	2.16	0002264	0002265	
40.00	6.00	2.15		0002269	0017066
40.00	10.00	3.57	0002271		0014096
50.00	4.00	1.80	0002272		
50.00	5.00	2.24	0002273		
50.00	6.00	2.68		0002274	0017067
50.80	6.35	2.88	0002276	0002277	
50.00	10.00	4.47	0002280		0014097
50.80	12.70	5.76	0002283		
60.00	6.00	3.22			0017068
60.00	10.00	5.36	0002287		0014098
76.20	6.35	4.31	0002295		
75.00	10.00	6.70		0002294	
80.00	5.00	3.58	0002299		
80.00	6.00	4.29			0017069
80.00	6.35	4.54		0002300	
80.00	10.00	7.15	0002301		0014099
100.00	5.00	4.47	0013003		
100.00	6.00	5.36	0002304		0017070
100.00	10.00	8.94	0002306	0002308	0014100
150.00	6.00	8.05		0002313	

Length 4m

Refrigeration Tube



Outside Diameter mm	Wall Thickness mm	Weight kg/m	Product No.
4.76	0.71	0.08	0002346
6.35	0.71	0.11	0002347
7.94	0.71	0.14	0002348
9.52	0.71	0.18	0002349
12.70	0.71	0.24	0002350
15.90	0.89	0.37	0002351
19.10	0.89	0.46	0002352

Available in coils (annealed) for O.D sizes between 4.76mm and 19.1mm
 Available in lengths (hard drawn) for O.D. sizes between 9.52mm and 79.4mm

Engineering Tube Indent Only

Alloy 122 - Hard Drawn



Outside Diameter mm	Wall Thickness mm	Weight kg/m	Product No.
6.35	1.63	0.21	0002330
19.05	1.63	0.79	0002333
25.40	1.22	0.82	0002338
38.10	1.22	1.09	0002341

Alloy 122 Hard Drawn
 Length 5m or 6m

Domestic Copper Tube

(NZS 3501:1976)
Alloy 122 - Half Hard



Nominal Bore mm	Wall Thickness mm	Weight kg/m	Product No.
15.0	0.70	0.28	0011191
20.0	0.90	0.51	0011194
15.0	1.02	0.39	0011189
20.0	1.02	0.57	0011192
25.0	1.02	0.74	0011195
32.0	1.22	1.12	0004638
40.0	1.22	1.35	0004639
50.0	1.22	1.78	0004640
65.0	1.22	2.20	0004641
80.0	1.42	3.12	0004642
100.0	1.63	4.69	0004643
150.0	1.83	7.86	0004644

Length 5m

Brass

Brass & Bronze Data

385 Free Machining Brass	Free machining alloy 385 is used for mass production of brass components on a high speed automatic lathes where maximum outputs and long tool life is required, and where no further cold forming operations after machining are necessary.
360 Riveting and Machining Brass	Free cutting brass is used for mass production of brass components on automatic lathes where, after machining, a limited amount of cold work is carried out. The increase in copper content over that of Alloy 385 improves the alloy's cold working properties so that riveting, staking, bending, thread rolling and similar operations may be carried out after machining
352 Dezincification Resistant Brass	Chlorinated water supplies can cause dezincification of brasses containing more than 15% zinc. The careful formulation of this alloy produces a dezincification resistant brass suitable for machined applications. Typical applications are plumbing hardware, spindles and fittings.
486 Dezincification Resistant Brass	Alloy 486 is a special forging and machining dezincification resistant brass. Water quench immediately after forging to attain dezincification resistant qualities without further heat treatment.
380 Section Brass	Section brass is a readily extrudable alloy with a small aluminium content which results in a bright golden colour, this alloy is used for standard section shapes and flats, and is supplied in the extruded only condition with a minimum amount of cold work. Typical applications include angles, channels, flats, barrel bolts and all extruded brass shapes.
270 Brass Wire	65:35 wire brass is suited for many purposes, Full yellow in colour, strength and hardness are increased in comparison to the more pure copper metals. But ductility falls off as the metal becomes saturated with zinc. It has an excellent capacity for being cold worked, but is much less adaptable to being hot formed.
464 Naval Brass (Tobin Bronze)	The corrosion resistance of brass can be improved by the addition of tin. Such alloys are called naval brasses. These combine good mechanical strength with resistance to seawater and nil natural water corrosion. Typical applications include shafting, spindles and general marine hardware. Alloy 464 as reduced machineability in comparison to alloy 385.
954 Aluminium Bronze	Alloy 954 is a high strength aluminium bronze. Alloy 954 is very hard and abrasion resistant, having excellent strength and wear resistance with reasonable machining properties. These properties remain good at elevated temperatures. Alloy 954 is suitable for high strength bearings, and has good impact resistance but poor anti seizure properties.
C26000 70/30 Cartridge Brass	Known commercially as 70/30 cartridge brass, this alloy has the best combination of strength and ductility of all the brasses. It has a high rate of work hardening, has a good corrosion resistance and good polishing and finishing characteristics. It is used for deep drawing or pressing operations and different tempers are made to meet these requirements.
65/35 Brass	Known as common brass, this is general-purpose alloy for industry, household and decorative purposes, mainly in tube form. It has good strength and ductility, is ideal for cold working, and has good corrosion resistance.
63/37 Brass	Known sometimes as "yellow brass" – the ductility of this alloy is lower than that of 70/30 brass, but it can still be formed well. It is generally used in similar applications to 65/35 and 70/30 alloys, but normally only available in tube form.
LG2 Leaded Gun Metal	Under British standard 400 this is commonly referred to as leaded gunmetal. Available in centrifugally and continuously cast products in stock lengths. Primarily used as a bushing and bearing material which is easily machined to size.

Brass Sheet

Alloy C27200 - Half Hard



Sheet Thickness mm	Length x Width mm	Weight kg/Sheet	Product No.
0.5	1000 x 2000	8.50	0001743
0.7	1000 x 2000	11.90	0001739
0.9	1000 x 2000	15.19	0001736
1.2	1000 x 2000	17.00	0001731
1.5	1000 x 2000	25.65	0001729
2.0	1000 x 2000	34.00	0001725

Cold Rolled 63/37 Alloy

HV 110-135

Phosphor Bronze Sheet

Alloy C51000 - Phosphor Bronze



Sheet Thickness mm	Length x Width mm	Weight kg/Sheet	Product No.
1.0	600 x 1800	9.50	0001586
1.2	600 x 1800	11.40	0001583
1.6	600 x 1800	15.20	0001582
3.0	600 x 1800	28.50	0001581

Cold Rolled 5% Phosphor

Extra Hard HV 200-220

Flat Brass Bars

Alloy 380 - Section Brass



Bar Thickness mm	Width mm	Weight kg/Sheet	Product No.
3.18	12.70	0.34	0001971
4.76	12.70	0.51	0001974
6.35	12.70	0.68	0001975
9.53	12.70	1.02	0001976
3.18	15.88	0.43	0001978
3.18	19.05	0.51	0001981
4.76	19.05	0.77	0001982
6.35	19.05	1.02	0001983
9.53	19.05	1.53	0001984
12.70	19.05	2.04	0001985
3.18	25.40	0.68	0001986
4.76	25.40	1.02	0001987
6.35	25.40	1.36	0001988
9.53	25.40	2.05	0001989
12.70	25.40	2.73	0001990
3.18	31.80	0.85	0001991
1.28	31.80	1.28	0001992
1.70	31.80	1.70	0001993
3.18	38.10	1.02	0001994
4.76	38.10	1.54	0001995
6.35	38.10	2.04	0001996
9.53	38.10	3.07	0001997
3.18	50.80	1.37	0001998
4.76	50.80	2.05	0001999
6.35	50.80	2.72	0002000
9.53	50.80	4.10	0002001
12.70	50.80	5.46	0002003
6.35	63.50	3.40	0002009
3.18	76.20	2.05	0002013
6.35	76.20	4.09	0002014
12.70	76.20	8.19	0002015
3.18	101.6	2.73	0002016
6.35	101.6	5.45	0002018

Length 3.6m

Square Brass Bars

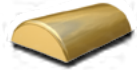
Alloy 385 - Free Machining Brass



Thickness mm	Weight kg/Sheet	Product No.
6.35	0.34	0001901
7.94	0.53	0001902
9.53	0.77	0001903
12.70	1.37	0001904
15.88	2.13	0001905
19.05	3.07	0001906
25.40	5.46	0001907
31.80	8.54	0001908
50.80	21.86	0001910

Half Round Brass Beadings

Alloy 380 - Section Brass



Thickness mm	Width mm	Weight kg/m	Product No.
4.76	12.70	0.34	0002030
4.76	19.05	0.53	0002031
4.76	25.40	0.75	0002032
6.35	25.40	0.95	0002033
6.35	31.80	1.18	0002034

Length 3.6m

Hexagon Brass Rod

Alloy 385 - Machining Brass



Dimension Across Flats mm	Weight kg/m	Product No. Alloy 385
4.76	0.18	0001863
5.56	0.23	0001864
6.35	0.30	0001865
7.14	0.37	0001866
7.94	0.46	0001867
9.53	0.67	0001868
10.00	0.73	0001869
11.11	0.91	0001870
12.70	1.18	0001871
13.00	1.24	0001872
14.29	1.50	0001873
15.88	1.85	0001874
17.00	2.12	0001875
17.46	2.24	0001876
18.95	2.63	0001877
19.05	2.66	0001878
20.64	3.12	0001879
22.23	3.62	0001882
23.37	4.00	0001883
23.41	4.02	0001884
23.81	4.16	0001885
25.40	4.73	0001887
26.99	5.34	0001888
28.58	5.99	0001889
30.16	6.67	0001890
31.80	7.42	0001892
34.93	8.95	0001893
38.10	10.65	0001894
41.28	12.49	0001895
44.50	14.52	0001896
50.80	18.93	0001897
63.50	29.57	0001898

Length 3.6m

Other sizes and grades available on request. All weights are theoretical and may vary in practice.

Round Brass Rod

Alloy 385



Diameter mm	Weight kg/m	Product No. Alloy 385
3.18	0.07	0001799
4.76	0.15	0001801
6.35	0.27	0001806
7.94	0.42	0001811
9.53	0.60	0001813
10.00	0.67	0001816
11.11	0.82	0001819
12.70	1.07	0001823
14.29	1.36	0001827
15.88	1.68	0001829
17.46	2.03	0001833
19.05	2.41	0001834
20.64	2.83	0001836
22.23	3.29	0001837
23.81	3.77	0001838
25.40	4.29	0001840
26.99	4.84	0001842
28.58	5.43	0001844
30.16	6.05	0001845
31.80	6.71	0001846
34.93	8.11	0001849
38.10	9.66	0001851
41.28	11.33	0001852
44.50	13.17	0001853
50.80	17.17	0001854
57.15	21.73	0001855
63.50	26.82	0001856
76.20	38.66	0001858
101.60	68.72	0001860

Length 3.6m

270, 380, 352, 464 and 486 are available on indent basis.

Round Naval Bronze

Alloy 464 - Naval Brass



Diameter mm	Weight kg/m	Product No.
7.94	0.42	0001911
9.53	0.60	0001912
12.70	1.06	0001913
15.88	1.67	0001914
19.05	2.39	0001915
22.23	3.27	0001916
25.40	4.26	0001917
31.80	6.66	0001918
38.10	9.59	0001919

Length 3.6m

Brass Angle

Alloy 380 - Section Brass



Thickness mm	Width x Height mm	Weight kg/m	Product No.
1.59	12.70 x 12.70	0.32	0002020
3.18	12.70 x 12.70	0.60	0002021
1.59	19.05 x 19.05	0.49	0002022
3.18	19.05 x 19.05	0.94	0002023
3.18	25.40 x 25.40	1.30	0002024
3.18	31.80 x 31.80	1.45	0002025
3.18	38.10 x 38.10	1.97	0002026
3.18	50.80 x 50.80	2.65	0002027
6.35	50.80 x 50.80	5.12	0002028

Length 3.6m

Cored Cast Bronze

Alloy LG2 - Cast Bronze Leaded Gunmetal



Outside Diameter mm	Inside Diameter mm	Weight kg/m	Product No.
25.40	12.70	3.99	0001615
25.40	19.05	2.72	0001616
28.54	15.88	4.66	0001617
31.80	12.70	6.61	0001618
31.80	19.05	5.34	0001619
31.80	25.40	3.51	0001620
38.10	12.70	9.79	0001621
38.10	19.05	8.52	0001622
38.10	25.40	6.69	0001623
38.10	31.80	4.29	0001624
44.50	19.05	12.26	0001625
44.50	25.40	10.43	0001626
44.50	31.80	8.03	0001627
50.80	19.00	16.56	0001628
50.80	25.40	14.76	0001629
50.80	31.80	12.34	0001630
50.80	38.10	9.38	0001631
50.80	44.50	6.65	0001632
57.00	19.05	21.43	0001633
57.00	25.40	19.59	0001634
57.00	31.80	17.20	0001635
57.00	38.10	14.25	0001636
57.00	44.54	10.73	0001637
57.00	50.80	6.65	0001638
63.50	19.05	26.85	0001639
63.50	25.40	25.02	0001640
63.50	31.80	22.63	0001641
63.50	38.10	19.67	0001642
63.50	44.50	16.16	0001643
63.50	50.80	12.08	0001644
69.50	25.40	31.01	0001645
69.50	31.80	28.62	0001646
69.50	38.10	25.66	0001647
69.50	44.50	24.14	0001648
69.50	50.80	18.07	0001649
69.50	57.00	13.43	0001650
76.20	25.40	37.56	0001651
76.20	31.80	35.17	0001652
76.20	38.10	32.21	0001653

Cored Cast Bronze

Alloy LG2 - Cast Bronze Leaded Gunmetal



Outside Diameter mm	Inside Diameter mm	Weight kg/m	Product No.
76.20	50.80	24.62	0001654
76.20	63.50	14.78	0001655
82.50	25.40	44.67	0001656
82.50	57.00	27.09	0001658
82.50	63.50	21.89	0001659
82.50	69.50	16.12	0001660
89.00	25.40	52.34	0001661
89.00	31.80	49.95	0001662
89.00	38.10	47.00	0001663
89.00	50.80	39.40	0001664
89.00	57.00	34.76	0001665
89.00	63.50	29.56	0001666
89.00	69.50	23.80	0001667
89.00	76.20	17.47	0001668
96.00	38.10	55.23	0001669
96.00	69.50	32.03	0001670
96.00	75.00	25.11	0001671
101.60	25.40	70.72	0001672
101.60	38.10	68.39	0001673
101.60	50.80	65.50	0001674
101.60	63.50	58.04	0001675
101.60	76.20	48.34	0001676
101.60	89.00	36.38	0001677
115.00	50.80	22.18	0001678
115.00	57.00	72.88	0001679
115.00	63.50	77.46	0001680
115.00	76.20	67.75	0001681
115.00	82.50	55.80	0001682
115.00	89.00	52.23	0001683
115.00	101.60	44.92	0001684
121.00	57.00	26.63	0001685
121.00	69.50	75.82	0001686
127.00	50.80	83.43	0001687
127.00	63.50	99.12	0001688
127.00	69.00	89.41	0001689
127.00	76.20	77.46	0001690
127.00	89.00	66.84	0001691
127.00	101.60	46.81	0001692
139.50	50.80	124.53	0001693

Cored Cast Bronze

Alloy LG2 - Cast Bronze Leaded Gunmetal



Outside Diameter mm	Inside Diameter mm	Weight kg/m	Product No.
139.50	76.20	103.04	0001695
139.50	101.60	72.55	0001696
152.50	50.80	150.80	0001697
152.50	69.50	129.30	0001698
152.50	76.20	98.81	0001699
152.50	89.00	59.34	0001700
152.50	101.60	38.75	0001701
152.50	127.00	115.18	0001702
165.00	89.00	110.07	0001703
165.00	115.00	159.45	0001704
178.00	101.60	120.09	0001705
178.00	127.00	130.10	0001706
190.00	139.00	258.22	0001707
203.00	76.20	227.84	0001708
203.00	101.60	188.47	0001709
203.00	127.00	140.12	0001710
203.00	152.50	82.78	0001711
254.00	152.50	303.85	0001712

Please note:

All sizes up to 100mm O.D 4" are cast 1/16" oversize on O.D and approx 1/8" undersize on I.D.

All sizes over to 100mm O.D 4" are spun 1/16" oversize on O.D and approx 3/16" undersize on I.D

Finished weights will be approx 10% lighter

Cast Bronze Rod

Alloy LG2 - Phosphor Bronze



Grade	Diameter mm	Weight kg/m	Product No.
LG2	12.70	1.31	0001591
LG2	15.88	1.99	0001592
LG2	19.05	2.80	0001593
LG2	22.20	3.76	0001594
LG2	25.40	4.80	0001595
LG2	28.50	6.10	0001596
LG2	31.80	7.48	0001597
LG2	35.00	9.00	0001598
LG2	38.10	10.66	0001599
LG2	44.50	14.00	0001601
LG2	50.80	18.70	0001602
LG2	57.00	23.57	0001603
LG2	63.50	28.99	0001604
LG2	69.50	34.98	0001605
LG2	76.20	41.53	0001606
LG2	82.50	48.64	0001607
LG2	89.00	56.31	0001608
LG2	101.60	74.44	0001609
LG2	115.00	93.85	0001610
LG2	127.00	115.50	0001611
LG2	152.00	166.90	0001612
LG2	178.00	227.10	0001613
LG2	203.00	295.49	0001614

Round Brass Tubes

Alloy 270 - HV 90 - 105



Diameter mm	Outside Diameter mm	Weight kg/m	Product No.
4.76	0.71	0.08	0001754
6.35*	1.22	0.17	0001755
7.94	1.22	0.22	0001757
9.53	1.22	0.27	0001762
12.70	0.91	0.29	0001767
12.70	1.22	0.38	0001766
12.70	1.63	0.48	0001765
15.88	1.22	0.49	0001769
19.05	1.22	0.58	0001772
25.40	1.22	0.79	0001777
31.80	1.22	1.00	0001781
38.10	1.22	1.21	0001785
50.80	1.22	1.62	0001788
50.80	1.63	2.14	0001787

Temper

Half hard *Quarter Hard

Polishing and Plating Quality

Please Note: Other alloys, tempers, finishes are available on request.

For Example;

- Cylinder quality tubing
- Stress relieved tubes for air cylinders
- Pump liner tuber
- Heat exchange and condenser tubes in Cupro-Nickel, Aluminium Bronze, naval brasses and bronze, Admiralty Brass
- Finned tube for heat transfer applications
- Aerial tubes
- Micro tubes for instruments and models
- Heavy wall tubes and hollow rods for fitting manufacture
- Free machining grade tubes



Zinc

Zinc

Zinc Alloy Data Titanium Enhanced

As a non-ferrous metal, Zinc is naturally self protecting, forming its own attractive light grey patina over time. It does not rust and has a remarkable resistance to corrosion.

90 to 100 Years in rural areas

40 to 60 Years in urban areas



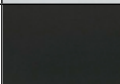
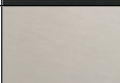
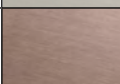
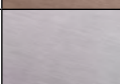
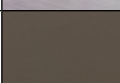
40 to 70 Years in Coastal areas and industrial environments

Its excellent creep resistance allows laying of roofs in areas with high temperature variations. Zinc offers durability and long-term-cost-effectiveness, together with the potential for all types of working and shaping.

Ultimate life is proportional to the thickness chosen, the thicker the better.

Finishes



Natural Zinc*		Initially has a shiny metallic appearance, which changes to a natural semi-mat light grey patina as it is exposed to its environment
Quartz Zinc		Pre-weathered to provide the appearance of the natural patina at the time that the product is laid. Quartz Zinc is pre-weathered to a light grey colour.
Anthra Zinc		Pre-weathered to provide the appearance of the natural patina at the time that the product is laid. Anthra Zinc is pre-weathered to an anthracite grey.
Pigmento Lichen Green		Pigmento range is produced with the addition of mineral pigments. Lichen Green is pre-weathered to provide the appearance of the natural patina.
Pigmento Autumn Red		Pigmento range is produced with the addition of mineral pigments. Autumn Red is pre-weathered to provide the appearance of the natural patina.
Pigmento Ash Blue		Pigmento range is produced with the addition of mineral pigments. Ash blue is pre-weathered to provide the appearance of the natural patina.
Pigmento Brown		Pigmento range is produced with the addition of mineral pigments. Brown is pre-weathered to provide the appearance of the natural patina.

*Natural Zinc is available on indent only

Zinc Coil

Finish	Coil Thickness	Coil Width	Weight kg/m	Pigmento	HMOC	TOC
Anthra +	0.7	1000	5.04		0013707	
Anthra +	0.7	1000	5.04			0018422
Anthra +	0.7	600	3.02		0014029	
Anthra	1.0	1000	7.20		0013458	
Anthra	1.0	1000	7.20			0018423
Quartz	0.7	1000	5.04		0002572	
Quartz +	0.7	1000	5.04		0014032	
Quartz	0.7	600	3.02		0012716	
Quartz +	0.7	600	3.02		0014031	
Quartz	1.0	1000	7.20		0014030	
Quartz	1.5	1000	10.80			0014643
Red + Pigmento	0.7	1000	7.20	0018730		
Blue + Pigmento	0.7	1000	7.20	0018727		
Brown + Pigmento	0.7	1000	7.20	0018728		
Green + Pigmento	0.7	1000	7.20	0018729		

Other widths also available

All weights are theoretical and may vary in practice

Zinc can be used to form roof accessories such as guttering, flashing, ridgings and ornaments.

VMZ Zinc plus is VMZINC coated on the underside with a protective layer (Umicore patent)

- Allows the use of an incompatible roof deck.
- VMZ Zinc plus products can be bent, folded or profiled without any surface change (similar to VMZINC products) and thus allow the exact methods of laying.
- No need to ventilate the underside of VMZ Zinc plus.

Other VM Zinc Products

Coil Thickness mm	Maximum Width mm
VM ANTHRA ZN PAINT 1LT	0012205
VM DECA QUARTZ ZN FLUX	0012204
VM MARKING TOOL ZN	0012207
STRUB MINERAL OIL 1 LITRE	0016360

VM Zinc Adeka Panels

Thickness	0.65 mm
Useful dimensions	400 X 400 mm
Centre to centre	205 mm
Weight	6.9 kg/m ²
No. elements/m ²	8.8
Packaging	24 VMZ Adeka / 2.75 m2 pack



Surface aspects: QUARTZ-ZINC / ANTHRA-ZINC / PIGMENTO

Physical Properties Of Titanium Zinc

Density	7.2 kg/dm ³
Thermal expansion coefficient (parallel to the rolling direction)	0.022 mm/m/ °C
Melting point	420°C
Recrystallization point	300°C
Heat conductivity	110 W/(m.K)
Electrical conductivity	17 MS/m
Danger of sparking	Non-sparking
Magnetic properties	Diamagnetic



wakefieldmetals

LEADING STOCKISTS AND DISTRIBUTORS OF NON-FERROUS AND STAINLESS STEELS IN NEW ZEALAND

Wakefield Metals Ltd was a name change from MICO Metals and continues the long history we have had with the Wakefield and Metal Import Company (MICO) names.

Wakefield Metals was originally formed just after World War II and combined with the Metal Import Company in 1980 to form MICO Wakefield Ltd. MICO Metals came into play after the Business was sold to The Crane Group in Australia following the Fletcher Building acquisition of the Crane Group in 2011, MICO Metals was onsold to Wakefield Metals Ltd, a member of the Amari family of companies.

Amari Metals specialises in non-ferrous and stainless steel distribution with numerous interests in the UK, Europe and Australasia.

As a Wakefield Metals customer, we want you to know you have the right to expect the following standards from us at all times

- You will receive friendly, courteous and efficient service from us.
- You will be respected.
- We will honour all our commitments.
- We will acknowledge any communications you have with us before the end of each working day.
- Our products and services will always be of exceptional quality and value.
- We will do what we say we will do, always.



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