

BRASS

- **TECHNICAL AND
PHYSICAL PROPERTIES**
- **DIMENSIONAL TABLES
AND WEIGHTS**

BRASS: TECHNICAL AND PHYSICAL SPECIFICATIONS - (page 01)

**European Standards for LEADED BRASS,
in Bars, Wire e Profiles.**

Standard UNI EN	Denomination	Material	Main shapes and applications
UNI EN 12163			Bars for general uses
UNI EN 12164	CW614N (OT 58)	Cu Zn 39 Pb 3	Bars for turning - drawn (Round, Square, Hexagonal section).
UNI EN 12165	CW617N (OT 58)	Cu Zn 40 Pb 2	Extruded bars for forging, pressing, semi-finished and raw products.
UNI EN 12166			Wire for general uses.
UNI EN 12167	CW617N (OT 58)	Cu Zn 40 Pb 2	Profiles and rectangular bars, for general uses
UNI EN 12168			Hollow bars for turning.
UNI EN 1652	(OT 63)		Plates, sheets, coils and disks, for general uses.

ALLOYS for LEADED BRASS BARS for TURNING and HOT PRESSING

Denomination ALLOY	Chemical Composition %							
	Cu	Pb	Sn Max	Fe Max	Ni Max	Al Max	Impurity Max	Zn
CW614N	57 ÷ 59	2,5 ÷ 3,5	0,3	0,3	0,3	0,05	0,2	remainder
CW617N	57 ÷ 59	1,6 ÷ 2,5	0,3	0,3	0,3	0,05	0,2	remainder

CARATTERISTICHE MECCANICHE

Shapes	Denomination	Tensile Strength R_m Kg/mm ²	Yield Strength R_{p02} Kg/mm ²	Elongation % min. A	BRINELL HARDNESS HB
Round, Square, Rectangular, Hexagonal, Semi-round and Half-round bars	OT63 Cu Zn39 Pb3	42 ÷ 60	15 ÷ 58	5	100 ÷ 170
Round, Square, Rectangular and Molded tubes	OT63 Cu Zn37	43 ÷ 56	35 ÷ 54	5	110 ÷ 170
Sheets with Soft physical condition		30 ÷ 38	min. 18	38	55 ÷ 95
Sheets with Half-hard physical condition	OT63 Cu Zn37	35 ÷ 44	min. 17	19	95 ÷ 125
Sheets with Hard physical condition		41 ÷ 49	min. 30	8	120 ÷ 155
Sheets for Silk-screen printing with Hard physical condition	OT59 Cu Zn39 Pb2	49 ÷ 57	min. 42	9	130 ÷ 180

BRASS: DIMENSIONAL TABLES AND WEIGHTS - (page 02)

DRAWN BRASS BARS OT 58 UNI-EN 12164 - CW614N - Cu Zn39 Pb3

EXTRUDED BRASS BARS OT 58 UNI-EN 12165 - CW617N - Cu Zn40 Pb2

ROUND Bars ●				SQUARE bars ■		HEXAGONAL bars ◆	
Ø mm.	Weight Kg/mt.	Ø mm.	Weight Kg/mt.	≠ mm.	Weight Kg/mt.	Ø mm.	Weight Kg/mt.
1,5	0,02	42	11,78	2	0,03	3	0,07
2	0,03	43	12,34	2,5	0,05	4	0,12
2,5	0,04	44	12,92	3	0,08	4,5	0,15
3	0,06	45	13,52	3,5	0,10	5	0,18
3,5	0,08	46	14,13	4	0,14	6	0,27
4	0,11	47	14,75	5	0,21	7	0,36
4,5	0,14	48	15,39	6	0,31	8	0,48
5	0,17	49	16,03	7	0,42	9	0,60
5,5	0,20	50	16,69	8	0,54	10	0,74
6	0,24	52	18,04	9	0,69	11	0,89
6,5	0,28	55	20,20	10	0,85	12	1,06
7	0,33	58	22,45	11	1,03	13	1,25
7,5	0,38	60	24,03	12	1,22	14	1,44
8	0,43	65	28,21	13	1,44	15	1,66
8,5	0,48	70	32,72	14	1,67	16	1,89
9	0,54	75	37,55	15	1,91	17	2,13
9,5	0,60	80	42,73	16	2,18	18	2,39
10	0,67	85	48,24	17	2,46	19	2,66
11	0,81	90	54,08	18	2,75	20	2,95
12	0,96	95	60,26	20	3,40	21	3,25
13	1,13	100	66,77	22	4,11	22	3,57
14	1,31	105	72,56	23	4,50	23	3,90
15	1,50	110	80,78	25	5,31	24	4,24
16	1,71	120	96,14	28	6,66	25	4,60
17	1,93	130	112,83	30	7,65	26	4,98
18	2,16	140	130,78	32	8,70	27	5,37
19	2,41	150	150,13	35	10,42	28	5,75
20	2,67	160	176,00	38	12,27	29	6,19
21	2,94	180	223,00	40	13,60	30	6,63
22	3,23	200	275,00	43	15,72	31	7,08
23	3,53	220	327,00	45	17,29	32	7,53
24	3,85	250	415,00	50	21,25	33	8,02
25	4,17	280	500,00	55	25,70	34	8,51
26	4,51	300	570,00	60	30,60	35	9,02
27	4,87			70	41,65	36	9,53
28	5,23			80	54,40	37	10,06
29	5,61			90	68,85	38	10,61
30	6,01			100	85,00	40	11,76
31	6,42			120	123,00	41	12,36
32	6,84					42	12,97
33	7,27					45	14,89
34	7,72					46	15,56
35	8,18					48	16,94
36	8,65					50	18,38
37	9,14					55	22,24
38	9,64					60	26,47
39	10,15					65	32,18
40	10,68					70	36,07
41	11,22					80	47,11

Complementary Information

Standard length of the bars 3 meters.
 Other dimensions, heat treatments (physical condition) and special alloys can be made upon customer request.
 We invite you to contact us to examine the feasibility.

BRASS: DIMENSIONAL TABLES AND WEIGHTS - (page 03)

DRAWN BRASS BARS UNI-EN 12167 CW617N (ex UNI 5705)

RECTANGULAR BARS Cu58 Zn40 Pb2 - (Table 1 of 2)

Dimension mm.	Weight Kg./meter	Dimension mm.	Weight Kg./meter	Dimension mm.	Weight Kg./meter	Dimension mm.	Weight Kg./meter
2 x 4	0,069	2,5 x 40	0,860	4 x 18	0,619	5 x 55	2,365
2 x 5	0,086	2,5 x 50	1,075	4 x 20	0,688	5 x 60	2,580
2 x 6	0,103	3 x 5	0,129	4 x 25	0,860	5 x 70	3,010
2 x 8	0,138	3 x 6	0,155	4 x 30	1,032	5 x 80	3,440
2 x 10	0,172	3 x 8	0,206	4 x 35	1,204	5 x 90	3,870
2 x 12	0,206	3 x 10	0,258	4 x 40	1,376	5 x 100	4,300
2 x 15	0,258	3 x 12	0,310	4 x 45	1,548	6 x 10	0,516
2 x 18	0,310	3 x 15	0,387	4 x 50	1,720	6 x 12	0,619
2 x 20	0,344	3 x 18	0,464	4 x 55	1,892	6 x 15	0,774
2 x 25	0,430	3 x 20	0,516	4 x 60	2,064	6 x 20	1,032
2 x 30	0,516	3 x 25	0,645	4 x 70	2,408	6 x 25	1,290
2 x 35	0,602	3 x 30	0,774	4 x 80	2,752	6 x 30	1,548
2 x 40	0,688	3 x 35	0,903	4 x 90	3,096	6 x 35	1,806
2 x 45	0,774	3 x 40	1,032	4 x 100	3,440	6 x 40	2,064
2 x 50	0,860	3 x 45	1,161	5 x 8	0,344	6 x 45	2,322
2 x 55	0,946	3 x 50	1,290	5 x 10	0,430	6 x 50	2,580
2 x 60	1,032	3 x 55	1,419	5 x 12	0,516	6 x 60	3,096
2 x 70	1,204	3 x 60	1,548	5 x 15	0,645	6 x 70	3,612
2 x 80	1,376	3 x 70	1,806	5 x 18	0,774	6 x 80	4,128
2 x 90	1,548	3 x 80	2,064	5 x 20	0,860	6 x 90	4,420
2 x 100	1,720	3 x 90	2,322	5 x 25	1,075	6 x 100	5,160
2,5 x 8	0,172	3 x 100	2,580	5 x 30	1,290	7 x 10	0,602
2,5 x 10	0,215	4 x 6	0,206	5 x 35	1,505	7 x 12	0,722
2,5 x 15	0,323	4 x 8	0,275	5 x 40	1,720	7 x 15	0,903
2,5 x 20	0,430	4 x 10	0,344	5 x 45	1,935	7 x 20	1,204
2,5 x 25	0,538	4 x 12	0,413	5 x 50	2,150	7 x 25	1,505
2,5 x 30	0,645	4 x 15	0,516				

Complementary Information

Standard length of the bars 3 meters.

Other dimensions, heat treatments (physical condition) and special alloys can be made upon customer request.

We invite you to contact us to examine the feasibility.

BRASS: DIMENSIONAL TABLES AND WEIGHTS - (page 04)**DRAWN BRASS BARS UNI-EN 12167 CW617N (ex UNI 5705)****RECTANGULAR BARS Cu58 Zn40 Pb2 - (Table 2 of 2)**

Dimension mm.	Weight Kg./meter	Dimension mm.	Weight Kg./meter	Dimension mm.	Weight Kg./meter	Dimension mm.	Weight Kg./meter
7 x 30	1,806	10 x 20	1,720	12 x 100	10,320	25 x 40	8,600
7 x 35	2,107	10 x 25	2,150	15 x 20	2,580	25 x 50	10,750
7 x 40	2,408	10 x 30	2,580	15 x 25	3,225	25 x 60	12,900
7 x 45	2,709	10 x 35	3,010	15 x 30	3,870	25 x 70	15,050
7 x 50	3,010	10 x 40	3,440	15 x 35	4,515	25 x 80	17,200
7 x 60	3,612	10 x 45	3,870	15 x 40	5,160	25 x 100	21,500
7 x 70	4,214	10 x 50	4,300	15 x 50	6,450	25 x 150	32,250
7 x 80	4,816	10 x 55	4,730	15 x 60	7,740	30 x 40	10,320
7 x 90	5,418	10 x 60	5,160	15 x 70	9,030	30 x 50	12,900
7 x 100	6,020	10 x 70	6,020	15 x 80	10,320	30 x 60	15,480
8 x 10	0,688	10 x 80	6,880	15 x 100	12,900	30 x 70	18,060
8 x 12	0,826	10 x 90	7,740	15 x 120	15,480	30 x 80	20,640
8 x 15	1,032	10 x 100	8,600	15 x 150	19,350	30 x 90	23,220
8 x 20	1,376	10 x 120	10,320	15 x 200	25,800	30 x 100	25,800
8 x 25	1,720	10 x 150	12,900	20 x 25	4,300	30 x 120	30,960
8 x 30	2,064	10 x 200	17,200	20 x 30	5,160	30 x 150	38,700
8 x 35	2,408	12 x 15	1,548	20 x 40	6,880	30 x 200	51,600
8 x 40	2,752	12 x 20	2,064	20 x 50	8,600	40 x 50	17,200
8 x 45	3,096	12 x 25	2,580	20 x 60	10,320	40 x 60	20,640
8 x 50	3,440	12 x 30	3,096	20 x 70	12,040	40 x 80	27,520
8 x 60	4,128	12 x 35	3,612	20 x 80	13,760	40 x 90	30,960
8 x 70	4,816	12 x 40	4,128	20 x 100	17,200	40 x 100	34,400
8 x 80	5,504	12 x 45	4,644	20 x 120	20,640	40 x 120	41,280
8 x 90	6,192	12 x 50	5,160	20 x 200	34,400	50 x 80	34,000
8 x 100	6,880	12 x 60	6,192	25 x 30	6,450	50 x 100	43,000
10 x 12	1,032	12 x 80	8,256	25 x 35	7,440	50 x 150	64,500
10 x 15	1,290						

Complementary Information

Standard length of the bars 3 meters.

Other dimensions, heat treatments (physical condition) and special alloys can be made upon customer request.

We invite you to contact us to examine the feasibility.

BRASS: DIMENSIONAL TABLES AND WEIGHTS - (page 05)

BRASS SHEETS OT 63 UNI-EN 1652 - Chemical Composition Cu63 Zn37

SIZES 500 x 1'340mm. HARD		SIZES 1'000 x 2'000mm. HARD	
≠ Thickness (mm)	Weight (Kg) of the sheet	≠ Thickness (mm)	Weight (Kg) of the sheet
0,10	0,570	0,5	8,50
0,15	0,855	0,6	10,20
SIZES 670x1340 HARD		0,7	11,90
≠ Thickness (mm)	Weight (Kg) of the sheet	0,8	13,60
0,20	1,520	1,0	17,00
0,25	1,908	1,2	20,40
0,30	2,289	1,5	25,50
0,40	3,052	1,8	30,60
SIZES 1000x2000 SOFT		2,0	34,00
≠ Thickness (mm)	Weight (Kg) of the sheet	2,5	42,50
0,50	8,500	3,0	51,00
0,60	10,200	3,5	59,50
0,70	11,900	4,0	68,00
0,80	13,600	5,0	85,00
1,00	17,000	6,0	102,00
1,20	20,400	8,0	136,00
1,50	25,500	10,0	170,00
2,00	34,000	12,0	204,00
2,50	42,500	15,0	255,00
3,00	51,000	20,0	340,00

Upon request, it is possible to produce brass coils with different thickness and width from 4 to 500 mm. with physical condition: "Soft " - "Half-hard" - " Hard ".

Brass Sheets for Silk-screen printing OT 59 UNI-EN 1652

Chemical Composition Cu59 Zn39 Pb2.

SIZES 670 x 1'340mm.		SIZES 600 x 2'000mm.	
≠ Thickness (mm)	Weight (Kg) of the sheet	≠ Thickness (mm)	Weight (Kg) of the sheet
0,30	2,26	1,00	10,20
0,50	3,77	1,50	15,30
0,70	5,28	2,00	20,40
0,80	6,03	2,50	25,50
1,00	7,54	3,00	30,60
1,20	9,05	4,00	40,80
1,50	11,31	5,00	51,00
1,80	13,57		
2,00	15,08		
2,20	16,95		
2,50	18,85		
3,00	22,62		
3,50	26,40		
4,00	30,17		
5,00	37,71		
6,00	45,25		
7,00	52,79		
8,00	60,33		
10,00	75,42		

Complementary Information

Other dimensions, heat treatments (physical condition) and special alloys can be made upon customer request.

We invite you to contact us to examine the feasibility.

BRASS: DIMENSIONAL TABLES AND WEIGHTS - (Page 06)

BRASS OT 63 EN 12449 - DRAWN ROUND TUBES ALLOY Cu63 Zn37 - (Tab.1 of 2)



Diameter Ø ins./out. mm.	Weight Kg./mt.	Diameter Ø ins./out. mm.	Weight Kg./mt.	Diameter Ø ins./out. mm.	Weight Kg./mt.	Diameter Ø ins./out. mm.	Weight Kg./mt.
Thickness 0,5mm.		Thickness 0,5mm.		Thickness 1mm.		Thickness 1mm.	
1 x 2	0,020	35 x 36	0,473	26 x 28	0,721	73 x 75	1,980
1,5 x 2,5	0,026	36 x 37	0,487	27 x 29	0,748	78 x 80	2,108
2 x 3	0,033	37 x 38	0,500	28 x 30	0,774	83 x 85	2,241
2,5 x 3,5	0,040	38 x 39	0,513	29 x 31	0,800	88 x 90	2,375
3 x 4	0,046	39 x 40	0,527	30 x 32	0,827	93 x 95	2,508
3,5 x 4,5	0,053	40 x 41	0,540	31 x 33	0,854	98 x 100	2,642
4 x 5	0,060	41 x 42	0,553	32 x 34	0,880	Thickness 1,5mm.	
5 x 6	0,073	42 x 43	0,567	33 x 35	0,908	3 x 6	0,180
6 x 7	0,086	43 x 44	0,580	34 x 36	0,934	4 x 7	0,220
7 x 8	0,100	44 x 45	0,594	35 x 37	0,960	5 x 8	0,260
8 x 9	0,113	49 x 50	0,661	36 x 38	0,987	6 x 9	0,300
9 x 10	0,127	Thickness 1mm.		37 x 39	1,014	7 x 10	0,340
10 x 11	0,140	1 x 3	0,053	38 x 40	1,041	8 x 11	0,380
11 x 12	0,153	2 x 4	0,080	39 x 41	1,067	9 x 12	0,420
12 x 13	0,167	3 x 5	0,107	40 x 42	1,094	10 x 13	0,461
13 x 14	0,180	4 x 6	0,133	41 x 43	1,120	11 x 14	0,501
14 x 15	0,194	5 x 7	0,160	42 x 44	1,147	12 x 15	0,541
15 x 16	0,207	6 x 8	0,187	43 x 45	1,175	13 x 16	0,581
16 x 17	0,220	7 x 9	0,214	44 x 46	1,201	14 x 17	0,621
17 x 18	0,234	8 x 10	0,240	45 x 47	1,227	15 x 18	0,662
18 x 19	0,247	9 x 11	0,267	46 x 48	1,254	16 x 19	0,701
19 x 20	0,260	10 x 12	0,294	47 x 49	1,281	17 x 20	0,741
20 x 21	0,274	11 x 13	0,320	48 x 50	1,309	18 x 21	0,781
21 x 22	0,287	12 x 14	0,347	49 x 51	1,334	19 x 22	0,821
22 x 23	0,300	13 x 15	0,374	50 x 52	1,361	20 x 23	0,861
23 x 24	0,314	14 x 16	0,400	51 x 53	1,387	22 x 25	0,941
24 x 25	0,327	15 x 17	0,427	52 x 54	1,414	23 x 26	0,981
25 x 26	0,340	16 x 18	0,454	53 x 55	1,442	25 x 28	1,061
26 x 27	0,354	17 x 19	0,481	54 x 56	1,467	27 x 30	1,140
27 x 28	0,367	18 x 20	0,507	55 x 57	1,494	29 x 32	1,221
28 x 29	0,380	19 x 21	0,534	56 x 58	1,521	32 x 35	1,342
29 x 30	0,394	20 x 22	0,561	57 x 59	1,548	35 x 38	1,461
30 x 31	0,407	21 x 23	0,587	58 x 60	1,575	37 x 40	1,542
31 x 32	0,420	22 x 24	0,614	60 x 62	1,628	42 x 45	1,742
32 x 33	0,433	23 x 25	0,641	63 x 65	1,709	47 x 50	1,943
33 x 34	0,447	24 x 26	0,668	66 x 68	1,790	52 x 55	2,143
34 x 35	0,461	25 x 27	0,694	68 x 70	1,842	57 x 60	2,343

Complementary Information

The standard length of the round brass tubes is 5 meters.

Other dimensions, heat treatments (physical condition) and special alloys can be made upon customer request.

We invite you to contact us to examine the feasibility.

67 x 70	2,744
77 x 80	3,144

BRASS: DIMENSIONAL TABLES AND WEIGHTS - (Page 07)

BRASS OT 63 EN 12449 - DRAWN ROUND TUBES ALLOY Cu63 Zn37 - (Tab.2 of 2)



Diameter Ø ins./out. mm.	Weight Kg./mt.	Diameter Ø ins./out. mm.	Weight Kg./mt.	Diameter Ø ins./out. mm.	Weight Kg./mt.	Diameter Ø ins./out. mm.	Weight Kg./mt.
Thickness 2mm.		Thickness 2mm.		Thickness 2,5mm.		Thickness 5mm.	
4 x 8	0,320	34 x 38	1,926	40 x 45	2,837	20 x 30	3,338
6 x 10	0,427	36 x 40	2,029	45 x 50	3,171	35 x 25	4,000
8 x 12	0,534	38 x 42	2,135	50 x 55	3,504	30 x 40	4,672
9 x 13	0,587	41 x 45	2,301	55 x 60	3,839	35 x 45	5,340
10 x 14	0,641	46 x 50	2,564	60 x 65	4,173	40 x 50	6,009
11 x 15	0,694	51 x 55	2,830	65 x 70	4,505	45 x 55	6,680
12 x 16	0,748	56 x 60	3,097	70 x 75	4,840	50 x 60	7,343
13 x 17	0,801	66 x 70	3,630	75 x 80	5,174	55 x 65	8,000
14 x 18	0,854	76 x 80	4,166	80 x 85	5,508	60 x 70	8,678
16 x 20	0,961	Thickness 2,5mm.		85 x 90	5,841	65 x 75	9,350
17 x 21	1,015	5 x 10	0,510	90 x 95	6,175	70 x 80	10,014
18 x 22	1,068	10 x 15	0,834	95 x 100	6,508	75 x 85	10,700
20 x 24	1,175	13 x 18	1,035	100 x 105	6,839	80 x 90	11,349
21 x 25	1,228	15 x 20	1,168	105 x 110	7,176	90 x 100	12,684
22 x 26	1,282	19 x 24	1,435	110 x 115	7,402	100 x 110	14,000
24 x 28	1,389	20 x 25	1,502	115 x 120	7,837	110 x 120	15,350
26 x 30	1,495	25 x 30	1,836	120 x 125	8,200	120 x 130	16,700
28 x 32	1,601	30 x 35	2,170	125 x 130	8,517	130 x 140	18,000
31 x 35	1,762	35 x 40	2,503	135 x 140	9,180	140 x 150	19,400
				145 x 150	9,843		

Complementary Information

Thicker tubes are classified as HOLLOW BARS and belong to the family of the Leaded Brass UNI-EN 1216. It is possible to produce them upon request, maintaining a minimum production quantity to be defined depending on the size.

The standard length of the round brass tubes is 5 meters.

Other dimensions, heat treatments (physical condition) and special alloys can be made upon customer request.

We invite you to contact us to examine the feasibility.

BRASS: DIMENSIONAL TABLES AND WEIGHTS - (page 08)

RECTANGULAR AND SQUARE TUBES IN BRASS OT 63 - UNI EN 12449 - Cu Zn 37

RECTANGULAR Tube		SQUARE Tube	
Dimension (mm)	Weight (Kg) / meter	Dimension (mm)	Weight (Kg) / meter
6 x 10 x 1	0,240	4 x 4 x 1	0,103
6 x 12 x 1	0,275	5 x 5 x 1	0,137
6 x 15 x 1	0,325	6 x 6 x 1	0,172
6 x 30 x 1	0,612	7 x 7 x 1	0,205
7 x 12 x 1	0,290	8 x 8 x 1	0,240
7 x 15 x 1	0,345	9 x 9 x 1	0,275
8 x 12 x 1	0,310	10 x 10 x 1	0,309
8 x 15 x 1	0,340	11 x 11 x 1	0,345
8 x 18 x 1	0,388	12 x 12 x 1	0,386
8 x 20 x 1	0,447	13 x 13 x 1	0,422
8 x 25 x 1	0,546	14 x 14 x 1	0,460
10 x 15 x 1	0,426	15 x 15 x 1	0,496
10 x 20 x 1	0,479	16 x 16 x 1	0,535
10 x 25 x 1	0,555	17 x 17 x 1	0,580
10 x 30 x 1	0,660	18 x 18 x 1	0,610
10 x 40 x 1	0,810	20 x 20 x 1	0,686
12 x 25 x 1	0,605	22 x 22 x 1	0,760
12 x 30 x 1	0,658	25 x 25 x 1	0,868
15 x 20 x 1	0,585	28 x 28 x 1	0,976
15 x 25 x 1	0,650	30 x 30 x 1	1,048
15 x 30 x 1	0,740	32 x 32 x 1	1,120
15 x 40 x 1	0,935	35 x 35 x 1	1,218
15 x 50 x 1	1,105	40 x 40 x 1	1,350
20 x 30 x 1	0,825	45 x 45 x 1	1,510
20 x 40 x 1	0,997	50 x 50 x 1	1,670
20 x 50 x 1,5	1,730	15 x 15 x 1,5	0,760
20 x 60 x 1,5	2,000	20 x 20 x 1,5	1,020
30 x 60 x 1,5	2,290	25 x 25 x 1,5	1,270
30 x 80 x 2	3,700	30 x 30 x 1,5	1,530
50 x 100 x 2	5,100	40 x 40 x 1,5	2,030
		50 x 50 x 1,5	2,550
		60 x 60 x 1,5	2,980
		80 x 80 x 1,5	4,080
		100 x 100 x 2	6,800




Complementary Information

The standard length of the drawn tubes varies from 3 mt. to 6 mt. (depending on the dimension).
Other dimensions, heat treatments (physical condition) and special alloys can be made upon customer request.

We invite you to contact us to examine the feasibility.



BRASS: DIMENSIONAL TABLES AND WEIGHTS - (page 09)

"CHANNEL" PROFILES IN BRASS OT 58 - UNI EN 12167 - CW617N - Cu Zn 40 Pb2

Angle Profiles with Equal Sides 		Angle Profiles with Unequal Sides 		T Profiles 	
Dimensions mm.	Weight Kg. / mt.	Dimensions mm.	Weight Kg. / mt.	Dimensions mm.	Weight Kg. / mt.
8 x 8 x 1	0,127	7 x 12 x 1,5	0,223	10 x 10 x 2	0,306
10 x 10 x 1	0,161	7 x 15 x 1,5	0,261	15 x 15 x 2	0,476
12 x 12 x 1	0,195	10 x 15 x 1,5	0,300	20 x 20 x 2	0,646
15 x 15 x 1	0,246			25 x 25 x 2	0,816
		7 x 15 x 2	0,340	30 x 30 x 2	0,986
8 x 8 x 1,5	0,185	10 x 15 x 2	0,391		
10 x 10 x 1,5	0,235	10 x 20 x 2	0,476	20 x 20 x 3	0,943
12 x 12 x 1,5	0,286	10 x 25 x 2	0,561	25 x 25 x 3	1,200
15 x 15 x 1,5	0,357	10 x 30 x 2	0,646	30 x 30 x 3	1,450
		10 x 40 x 2	0,816	40 x 40 x 3	1,963
10 x 10 x 2	0,306	12 x 25 x 2	0,595	50 x 50 x 3	2,473
12 x 12 x 2	0,374	15 x 20 x 2	0,561		
15 x 15 x 2	0,476	15 x 25 x 2	0,646	30 x 30 x 4	1,904
18 x 18 x 2	0,578	15 x 30 x 2	0,731	40 x 40 x 4	2,584
20 x 20 x 2	0,646	20 x 30 x 2	0,816	50 x 50 x 4	3,264
22 x 22 x 2	0,714	20 x 35 x 2	0,900		
25 x 25 x 2	0,816	20 x 40 x 2	0,986		
30 x 30 x 2	0,986	20 x 50 x 2	1,156		
35 x 35 x 2	1,156	25 x 50 x 2	1,241		
40 x 40 x 2	1,326				
45 x 45 x 2	1,496	15 x 25 x 3	0,943		
50 x 50 x 2	1,666	15 x 30 x 3	1,071		
		20 x 30 x 3	1,198		
15 x 15 x 3	0,688	20 x 40 x 3	1,453		
20 x 20 x 3	0,943	25 x 50 x 3	1,836		
25 x 25 x 3	1,200				
30 x 30 x 3	1,450				
35 x 35 x 3	1,710				
40 x 40 x 3	1,963				
50 x 50 x 3	2,473				
60 x 60 x 3	3,060				
		Complementary Information			
30 x 30 x 4	1,904	The standard length of the profiles varies from 3 mt. to 5 mt.			
40 x 40 x 4	2,584				
		Other dimensions, heat treatments (physical condition) and special alloys can be made upon customer request.			
40 x 40 x 5	3,187				
50 x 50 x 5	4,037	We invite you to contact us to examine the feasibility.			

BRASS: DIMENSIONAL TABLES AND WEIGHTS - (Page 10)

ROUND BRASS PROFILES IN ROLLS OT 67 - UNI EN 12166 - ALLOY Cu67 Zn33

BRASS PROFILES OT 58 - UNI EN 12167 - CW617N - ALLOY Cu Zn40 Pb2		SOFT AND HARD WIRE (minimum quantity from 20 to 50 Kg.)	
SEMI-ROUND 		Diameter mm.	Weight (Kg) / meter
Dimension mm.	Weight (Kg) / meter	0,60	0,0024
3 x 10	0,235	0,70	0,0033
3 x 12	0,280	0,80	0,0043
4 x 10	0,320	0,90	0,0054
4 x 12	0,395	1,00	0,0067
4 x 15	0,495	1,10	0,0081
4 x 18	0,605	1,20	0,0097
4 x 33	1,105	1,30	0,0113
4 x 40	1,200	1,40	0,0131
5 x 16	0,550	1,50	0,0150
5 x 20	0,650	1,60	0,0171
5 x 25	0,900	1,80	0,0216
5 x 30	1,260	2,00	0,0267
6 x 20	0,850	2,20	0,0323
HALF-ROUND 		2,50	0,0417
Dimension mm.	Weight (Kg) / meter	2,70	0,0487
2,5 x 5	0,085	3,00	0,0601
3 x 6	0,120	3,50	0,0818
3,5 x 7	0,165	4,00	0,1070
4 x 8	0,214	4,50	0,1350
4,5 x 9	0,275	5,00	0,1670
5 x 10	0,345	5,50	0,2019
6 x 12	0,500	6,00	0,2403
7 x 14	0,675	7,00	0,3271
7,5 x 15	0,775	8,00	0,4273
9 x 18	1,120		
10 x 20	1,380		
12,5 x 25	2,160		
15 x 30	3,110		

Complementary Information

The standard length is 3 meters

The Semi-round and Half-round profiles can be required also in "Annealed" physical condition.

The above mentioned sections are produced only upon request.

Other dimensions, heat treatments (physical condition) and special alloys can be made upon customer request.

We invite you to contact us to examine the feasibility.

BRASS: DIMENSIONAL TABLES AND WEIGHTS - (page 11)**BRASS CHANNEL PROFILES OT 58 - UNI EN 12167 - CW617N - Alloy Cu Zn 40 Pb2****With Equal Sides**

Dimensions mm.	Weight (Kg./meter)
8 x 8 x 8 x 1	0,187
10 x 10 x 10 x 1,2	0,282
12 x 12 x 12 x 1,5	0,421
15 x 15 x 15 x 1,5	0,536
22 x 22 x 22 x 1,5	0,804
15 x 15 x 15 x 2	0,697
18 x 18 x 18 x 2	0,850
20 x 20 x 20 x 2	0,952
25 x 25 x 25 x 2	1,462
30 x 30 x 30 x 2	1,445

With narrow base

Dimensions mm.	Weight (Kg./meter)
10 x 4,2 x 10 x 1,2	0,233
10 x 6 x 10 x 1	0,215
10 x 8 x 10 x 2	0,262
15 x 12,5 x 15 x 1,5	0,410
15 x 8 x 15 x 1,5	0,447
15 x 10 x 15 x 1,5	0,472
20 x 10 x 20 x 1,5	0,600
18 x 13 x 18 x 1,5	0,587
20 x 16 x 20 x 1,5	0,676
30 x 12 x 30 x 2	1,056
25 x 15 x 25 x 2	1,040
30 x 15 x 30 x 2	1,207

With wide base

Dimensions mm.	Weight (Kg./meter)
8 x 18 x 8 x 1,5	0,396
10 x 20 x 10 x 1,5	0,472
11 x 14 x 11 x 1,5	0,421
15 x 25 x 15 x 1,5	0,663
15 x 30 x 15 x 1,5	0,727
20 x 40 x 20 x 2	1,292
23 x 38 x 23 x 2,5	1,679
25 x 60 x 25 x 2,5	2,232