



COPPER FLAT

MEASUREMENT MATRIX
(IMPERIAL AND METRIC SYSTEMS)

FLAT BAR MEASUREMENTS IN INCHES

Width	Thickness (inches)													
	1/16"	3/32"	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1 1/2"	2"	
kg/m														
1/4"		0.135	0.177	0.261	0.356									
5/16"	0.112				0.448									
3/8"	0.135	0.202	0.266	0.406	0.532	0.675	0.817							
1/2"	0.177	0.266	0.356	0.532	0.712		1.064	1.44						
5/8"	0.224	0.335	0.452	0.677	0.903		1.356	1.79	2.26					
3/4"	0.266	0.404	0.541	0.812	1.08		1.62	2.16	2.7	3.27				
1"	0.358	0.532	0.722	1.08	1.44	1.8	2.16	2.89	3.6	4.32	5.76			
1 1/4"			0.885	1.352	1.8	2.23	2.7	3.61	4.43	5.44	7.22			
1 1/2"	0.541	0.81	1.08	1.62	2.17	2.69	3.25	4.33	5.44	6.5	8.56	12.66		
1 3/4"	0.631		1.26	1.9	2.53	3.15	3.79	5.05		7.59				
2"		1.07	1.44	2.16	2.89	3.61	4.33	5.77	7.23	8.67	11.58	17.52	23.16	
2 1/4"			1.63	2.43	3.59	4.06	4.87	6.5		10.77	13			
2 1/2"			1.798	2.71	3.61	4.46	5.41	7.18	8.99	10.83	14.4	21.7	28.8	
2 3/4"				2.976	3.966	4.93	5.95	7.93	9.9					
3"			2.165	3.25	4.33	5.4	6.5	8.66	10.83	12.96	17.26	25.42	34.5	
3 1/4"				3.51	4.69		7.03				18.76			
3 1/2"					5.05	6.26	7.59	10.07	12.56	12.96	15.15			
4"			2.88	4.33	5.77	7.22	8.66	11.55	14.37	17.2	23	34.64	46.33	
4 1/2"			3.25		6.49		9.74	12.99	16.27	19.48	26			
5"					7.22	9	10.83	14.44	17.98					
5 1/2"					7.94									
6"			4.3	6.5	8.66		12.99	17.32	21.62	25.98	34.64	51.84	63.3	
8"					11.51				23.1	34.65	46.2			

FLAT BAR MEASUREMENTS (mm)

Width	Thickness (mm)						
	3	5	6	8	10	15	20
kg/m							
15	x	x			x		
20		x	x		x		
25		x	x				
30		x			x		
40	x	x	x	x	x		
50		x			x		
60		x			x	x	
80		x			x		
100		x			x		
120					x		
130					x		
150					x		x

ROUND BAR MEASUREMENTS (mm)

	Inches "		mm		Theoretical weight
	Diameter	Length	Diameter	Length	Kg
	1/4"	3660	6,35	3660	1,03
	3/8"	3660	9,52	3660	2,32
	7/16"	3660	11,11	3660	3,16
	1/2"	3660	12,70	3660	4,13
	5/8"	3660	15,87	3660	6,45
	1"	3660	25,40	3660	16,53
1	1/8"	3660	28,58	3660	20,93
1	1/4"	3660	31,75	3660	25,83
1	1/2"	3660	38,10	3660	37,19
1	3/4"	3660	44,45	3660	50,62
	2"	3660	50,80	3660	66,12
			60,00	3660	92,23
2	3/8"	3660	60,32	3660	93,22
2	1/2"	3660	63,50	3660	103,31
	3"	3660	76,20	3660	148,76
3	3/16"	3660	80,96	3660	167,93
3	1/2"	3660	88,90	3660	202,48
	4"	3660	101,60	3660	264,46
			130,00	3660	432,98

*Square and hexagonal bars (on request)

TABLE OF STANDARDS (EQUIVALENCE)

EN		DIN		ASTM	AFNOR	BS	JIS	SN
SYMBOLIC	NUMERICAL	SYMBOLIC	NUMERICAL					
Cu-ETP	CW004A	E-Cu58	20065	C11000	CuA1	C101	C1100	Cu-ETP

