



WEIGHT OF COPPER RODS / BARS IN KILOGRAMS PER METRE

Size			Weight		
Fractions	Inches	Millimetres	Rounds	Hexagons	Squares
1/8"	0.125	3.175	0.071	0.078	0.090
	0.157	4.000	0.112	0.123	0.142
	0.177	4.500	0.142	0.156	0.180
3/16"	0.187	4.762	0.158	0.175	0.202
	0.197	5.000	0.176	0.194	0.224
13/64"	0.203	5.159	0.187	0.206	0.238
	0.217	5.500	0.213	0.235	0.272
7/32"	0.218	5.556	0.215	0.238	0.274
	0.236	6.000	0.252	0.278	0.322
1/4"	0.250	6.350	0.283	0.312	0.361
	0.256	6.500	0.297	0.328	0.378
	0.276	7.000	0.345	0.381	0.440
9/32"	0.281	7.144	0.358	0.395	0.456
	0.295	7.500	0.394	0.435	0.502
5/16"	0.312	7.937	0.441	0.487	0.562
	0.314	8.000	0.447	0.493	0.569
11/32"	0.343	8.731	0.533	0.588	0.679
	0.354	9.000	0.568	0.626	0.723
23/64"	0.359	9.128	0.584	0.644	0.744
3/8"	0.375	9.525	0.637	0.703	0.812
	0.393	10.000	0.700	0.772	0.892
13/32"	0.406	10.318	0.747	0.824	0.952
	0.433	11.000	0.850	0.937	1.082
7/16"	0.437	11.112	0.866	0.955	1.102
15/32"	0.468	11.906	0.993	1.095	1.264
	0.472	12.000	1.010	1.114	1.286
1/2"	0.500	12.700	1.133	1.250	1.443
	0.511	13.000	1.183	1.305	1.507
	0.551	14.000	1.376	1.518	1.753
9/16"	0.562	14.287	1.432	1.579	1.823
	0.590	15.000	1.578	1.740	2.009
5/8"	0.625	15.875	1.771	1.953	2.255
	0.629	16.000	1.793	1.978	2.284
	0.669	17.000	2.029	2.237	2.584
11/16"	0.687	17.462	2.139	2.359	2.725
	0.708	18.000	2.272	2.506	2.894
	0.748	19.000	2.536	2.797	3.230

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Size			Weight		
Fractions	Inches	Millimetres	Rounds	Hexagons	Squares
3/4"	0.750	19.050	2.550	2.812	3.247
	0.787	20.000	2.808	3.096	3.575
13/16"	0.812	20.637	2.989	3.296	3.806
	0.826	21.000	3.093	3.410	3.939
7/8"	0.866	22.000	3.400	3.749	4.329
	0.875	22.225	3.471	3.827	4.420
15/16"	0.905	23.000	3.713	4.094	4.728
	0.937	23.812	3.980	4.389	5.068
1"	0.944	24.000	4.039	4.455	5.144
	0.984	25.000	4.389	4.840	5.590
1.1/16"	1.000	25.400	4.533	4.999	5.773
	1.023	26.000	4.744	5.231	6.041
1.1/8"	1.062	26.988	5.112	5.638	6.511
	1.063	27.000	5.122	5.648	6.523
1.1/4"	1.102	28.000	5.505	6.070	7.011
	1.125	28.575	5.737	6.327	7.306
1.3/16"	1.141	29.000	5.901	6.508	7.515
	1.181	30.000	6.322	6.972	8.052
1.1/2"	1.187	30.162	6.387	7.043	8.134
	1.220	31.000	6.747	7.440	8.592
1.5/16"	1.250	31.750	7.083	7.810	9.020
	1.259	32.000	7.185	7.923	9.150
1.3/8"	1.299	33.000	7.649	8.435	9.741
	1.312	33.338	7.803	8.605	9.937
1.7/16"	1.338	34.000	8.115	8.949	10.335
	1.375	34.925	8.570	9.451	10.914
1.9/16"	1.377	35.000	8.595	9.478	10.946
	1.417	36.000	9.102	10.037	11.591
1.5/8"	1.437	36.512	9.360	10.322	11.921
	1.456	37.000	9.610	10.597	12.238
1.1/2"	1.496	38.000	10.145	11.187	12.920
	1.500	38.100	10.199	11.247	12.989
1.9/8"	1.535	39.000	10.681	11.778	13.602
	1.562	39.688	11.060	12.196	14.085
1.5/4"	1.574	40.000	11.230	12.384	14.302
	1.614	41.000	11.808	13.022	15.038
1.5/8"	1.625	41.275	11.970	13.200	15.244

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WEIGHT OF COPPER RODS / BARS IN KILOGRAMS PER METRE

Size			Weight		
Fractions	Inches	Millimeters	Rounds	Hexagons	Squares
	1.653	42.000	12.386	13.659	15.774
1.11/16"	1.687	42.862	12.901	14.226	16.429
	1.692	43.000	12.977	14.311	16.527
	1.732	44.000	13.598	14.995	17.317
1.3/4"	1.750	44.450	13.882	15.309	17.679
	1.771	45.000	14.217	15.678	18.106
	1.811	46.000	14.867	16.394	18.933
1.13/16"	1.812	46.038	14.883	16.413	18.954
	1.850	47.000	15.514	17.108	19.757
1.7/8"	1.875	47.625	15.936	17.574	20.295
	1.889	48.000	16.175	17.837	20.599
	1.929	49.000	16.867	18.600	21.481
1.15/16"	1.937	49.212	17.008	18.755	21.659
	1.968	50.000	17.556	19.360	22.358
2"	2.000	50.800	18.132	19.995	23.091
	2.007	51.000	18.259	20.135	23.253
	2.047	52.000	18.994	20.946	24.189
	2.086	53.000	19.725	21.751	25.120
2.1/8"	2.125	53.975	20.469	22.572	26.068
	2.126	54.000	20.488	22.594	26.092
	2.165	55.000	21.247	23.430	27.058
	2.204	56.000	22.019	24.282	28.042
	2.244	57.000	22.826	25.171	29.069
2.1/4"	2.250	57.150	22.948	25.306	29.225
	2.283	58.000	23.626	26.054	30.088
	2.322	59.000	24.440	26.952	31.125
	2.362	60.000	25.290	27.888	32.207
2.3/8"	2.365	60.325	25.569	28.196	32.562
	2.401	61.000	26.132	28.817	33.279
	2.440	62.000	26.987	29.760	34.369
	2.480	63.000	27.880	30.744	35.505
2.1/2"	2.500	63.500	28.331	31.242	36.080
	2.519	64.000	28.763	31.719	36.630
	2.559	65.000	29.684	32.734	37.803
	2.598	66.000	30.596	33.739	38.964
2.5/8"	2.625	66.675	31.235	34.444	39.778
	2.637	67.000	31.524	34.760	40.143

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WEIGHT OF COPPER RODS / BARS IN KILOGRAMS PER METRE

Size			Weight		
Fractions	Inches	Millimeters	Rounds	Hexagons	Squares
	2.677	68.000	32.485	35.822	41.370
	2.716	69.000	33.438	36.874	42.584
2.3/4"	2.750	69.850	34.281	37.803	43.657
	2.755	70.000	34.405	37.940	43.816
	2.795	71.000	35.412	39.050	45.097
	2.834	72.000	36.407	40.147	46.365
	2.874	73.000	37.442	41.289	47.683
2.7/8"	2.875	73.025	37.468	41.318	47.716
	2.913	74.000	38.465	42.417	48.985
	2.952	75.000	39.502	43.560	50.306
	2.991	76.000	40.552	44.719	51.644
3"	3.000	76.200	40.797	44.988	51.955
	3.030	77.000	41.617	45.893	52.999
	3.069	78.000	42.695	47.082	54.373
	3.109	79.000	43.815	48.317	55.799
3.1/8"	3.125	79.375	44.267	48.816	56.375
	3.148	80.000	44.921	49.537	57.208

FORMULAE FOR CALCULATING WEIGHT OF COPPER SOLIDS

Kgs Per foot		Kgs Per Metre
SOLIDS	Dimensions in Inch.	Dimensions in mm.
ROUND	$D^2 \times 1.38 \cdot 2$	$D^2 \times 0.00703$
SQUARE	$Q^2 \times 1.760$	$S^2 \times 0.00895$
HEXAGON	$S^2 \times 1.524$	$S^2 \times 0.00775$
FLAT	$WXT \times 1.760$	$WXT \times 0.00895$

D - Outside Diameter	S - Dimension - A/f	W-Width
T-Wall Thickness	A/F - Across Flat	T - Thickness

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WEIGHT OF COPPER FLATS IN KILOGRAMS PER METRE

Thickness In Inches	Dimensions of width in Inches								
	1/2"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"
1/16"	0.180	0.271	0.361	0.452	0.542	0.633	0.723	0.813	0.904
1/8"	0.361	0.542	0.723	0.904	1.084	1.265	1.446	1.627	1.807
3/16"	0.511	0.812	1.082	1.353	1.623	1.894	2.164	2.435	2.705
1/4"	0.722	1.082	1.444	1.804	2.165	2.526	2.887	3.248	3.609
5/16"	0.901	1.352	1.803	2.253	2.704	3.155	3.605	4.056	4.507
3/8"	1.082	1.623	2.164	2.705	3.246	3.787	4.328	4.869	5.410
7/16"	1.263	1.894	2.526	3.157	3.788	4.420	5.051	5.683	6.314
1/2"	-	2.165	2.887	3.602	4.331	5.052	5.774	6.496	7.218
5/8"	-	2.707	3.609	4.511	5.413	6.316	7.218	8.120	9.022
3/4"	-	-	4.331	5.413	6.496	7.579	8.661	9.744	10.827

WEIGHT OF BRASS FLATS IN KILOGRAMS PER METRE

Thickness In Inches	Dimensions of width in Inches								
	1/2"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"
1/8"	0.340	6.510	0.680	0.850	1.020	1.190	1.360	1.530	1.700
3/16"	0.512	0.768	1.024	1.280	1.538	1.792	2.048	2.304	2.560
1/4"	0.684	1.026	1.368	1.710	2.052	2.394	2.736	3.078	3.420
5/16"	0.858	1.286	1.715	2.144	2.573	3.002	3.430	3.859	4.288
3/8"	1.029	1.544	2.059	2.573	3.088	3.603	4.117	4.632	5.147
7/16"	1.199	1.798	2.398	2.997	3.597	4.196	4.796	5.395	5.994
1/2"	-	2.057	2.742	3.420	4.114	4.799	5.485	6.171	6.856
5/8"	-	2.570	3.427	4.284	5.141	5.998	6.854	7.711	8.568
3/4"	-	-	4.113	5.142	6.170	7.198	8.227	9.254	10.282

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