BRONMETAL

Technical characteristics 6063 T6

Designation	Physical characteristics				Electrical characteristics		Static characteristics	
Ø int / Ø ext	Ø ext. (mm)	Thickness (mm)	Cross section (mm^2)	Weight (g/m)	Adm. intensity, from 65ºC (A)	Adm. intensity, from 85ºC (A)	Moment of inertia (cm^4)	Moment of elasticity (cm^3)
40/36	40	2	239	645	559	742	4,4	2,2
40/34		3	349	942	675	869	6,1	3,1
40/32		4	452	1.221	770	1.014	7,6	3,8
40/30		5	550	1.484	821	1.111	8,8	4,4
40/28		6	641	1.730	869	1.208	9,7	4,9
45/40	45	3	334	901	569	752	7,56	3,36
50/44	50	3	443	1.196	773	1.063	12,5	5
50/42		4	578	1.561	918	1.208	15,7	6,3
50/40		5	707	1.909	1.014	1.353	18,5	7,4
50/38		6	829	2.239	1.111	1.449	20,8	8,3
50/34		8	1.056	2.850	1.256	1.642	24,6	9,8
50/30		10	1.257	3.393	1.353	1.787	27,2	10,9
60/50	60	5	864	2.333	1.024	1.354	32,93	10,98

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63/57	63	3	565	1.527	966	1.304	26	8,2
63/55		4	741	2.002	1.111	1.497	33	10,5
63/53		5	911	2.460	1.256	1.642	39,3	12,5
63/51		6	1.074	2.901	1.353	1.787	44,9	14,3
63/47		8	1.382	3.732	1.546	2.077	54,4	17,3
68/60	68	4	804	2.171	1.038	1.371	41,34	12,16
70/60	70	5	1.021	2.757	1.182	1.563	54,24	15,5
80/74	80	3	726	1.959	1.208	1.594	54,9	13,7
80/72		4	955	2.579	1.353	1.836	70,4	17,6
80/70		5	1.178	3.181	1.497	2.077	84,8	21,2
80/68		6	1.395	3.766	1.642	2.222	97,9	24,5
80/64		8	1.810	4.886	1.884	2.560	121	30,2
80/60		10	2.199	5.938	2.077	2.802	140	35
90/80	90	5	1.335	3.605	1.491	1.971	121	26,89

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100/94	100	3	914	2.468	1.449	1.932	110	21,9
100/92		4	1.206	3.257	1.642	2.222	142	28,4
100/90		5	1.492	4.029	1.836	2.512	172	34,4
100/88		6	1.772	4.784	1.980	2.705	200	40
100/84		8	2.312	6.243	2.270	3.140	251	50,2
110/100	110	5	1.649	4.453	1.792	2.369	227,81	41,42
120/112	120	4	1.458	3.936	1.932	2.608	250	41,7
120/110		5	1.806	4.877	2.125	2.947	305	50,8
120/108		6	2.149	5.802	2.319	3.188	357	59,4
120/104		8	2.815	7.600	2.657	3.671	452	75,3
120/100		10	3.456	9.331	2.995	4.058	537	89,5
150/136	150	7	3.145	8.491	2.793	3.692	805,76	107,43
150/134		8	3.569	9.636	2.976	3.933	902,38	120,32
150/125		13	5.400	14.579	3.660	4.838	1.286,63	171,55

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160/152	160	4	1.960	5.293	2.464	3.381	608	76
160/150		5	2.435	6.574	2.705	3.768	746	93,2
160/148		6	2.903	7.838	2.995	4.106	878	110
160/144		8	3.820	10.314	3.430	4.734	1.127,00	141
160/140		10	4.712	12.723	3.816	5.217	1.356,00	170
200/190	200	5	3.063	8.270	3.285	4.589	1.484,00	148
200/188		6	3.657	9.873	3.575	4.927	1.754,00	175
200/184		8	4.825	13.029	4.154	5.700	2.269,00	227
200/180		10	5.969	16.116	4.589	6.376	2.751,00	275
200/176		12	7.087	19.136	5.024	6.956	3.202,00	320
250/240	250	5	3.848	10.391	3.961	5.507	2.942,00	235
250/238		6	4.599	12.418	4.347	6.086	3.489,00	279
250/234		8	6.082	16.422	4.927	6.956	4.540,00	363
250/230		10	7.540	20.358	5.507	7.729	5.539,00	443
250/226		12	8.972	24.225	5.990	8.502	6.487,00	519

NOTE – Values calculated according to the table “ELECTRICAL AND MECHANICAL PROPERTIES” shown in table 2.