



BRONMETAL

Bronze Br

Product format:

Extruded bar/calibrated

Technical characteristics:

Extruded round bronze bars and calibrated



MECHANICAL CHARACTERISTICS

Designations		Nominal diameter or distance between		Tensile strength	Yield limit to 0.2%	Enlogation			Hardness				
Material		Metallurgical state	From	Up to and including	R _m	R _{p0.2}	A _{100mm}	A _{11.3}	A	HB		HV	
Symbol	Numerical				N/mm ²	N/mm ²	%	%	%	mín.	máx.	mín.	máx.
					mín.	approx.	mín.	mín.	mín.				
CuSn5	CW451K	M	2	80	Rough manufacture								
		R330	2	80	330	(220)	35	40	45	-	-	-	-
		H080	2	80	-	-	-	-	-	80	110	85	115
		R390	2	40	390	(240)	20	25	30	-	-	-	-
		H115	2	40	-	-	-	-	-	115	145	120	150
		R460	2	12	460	(350)	15	18	20	-	-	-	-
		H140	2	12	-	-	-	-	-	140	170	145	175
		R540	2	6	540	(480)	5	6	-	-	-	-	-
		H160	2	6	-	-	-	-	-	160	-	170	-
		CuSn6	CW452K	M	2	80	Rough manufacture						
R340	2			60	340	(230)	35	40	45	-	-	-	-
H085	2			60	-	-	-	-	-	85	115	90	120
R400	2			40	400	(250)	18	22	26	-	-	-	-
H120	2			40	-	-	-	-	-	120	150	125	155
R470	2			12	470	(350)	10	12	15	-	-	-	-
H155	2			12	-	-	-	-	-	155	185	165	195
R550	2			6	550	(500)	(4)	5	-	-	-	-	-
H180	2			6	-	-	-	-	-	180	-	190	-

Designations		Nominal diameter or distance between		Tensile strength	Yield limit to 0.2%	Enlogation			Hardness				
Material		Metallurgical state	From	Up to and including	R _m	R _{p0.2}	A _{100mm}	A _{11.3}	A	HB		HV	
Symbol	Numerical				N/mm ²	N/mm ²	%	%	%	mín.	máx.	mín.	máx.
					mín.	aprox.	mín.	mín.	mín.				
CuSn8 CuSn8P	CW453K CW459K	M	2	80	Rough manufacture								
		R390	2	60	390	(260)	35	40	45	-	-	-	-
		H090	2	60	-	-	-	-	-	90	120	95	125
		R450	2	40	450	(280)	18	22	26	-	-	-	-
		H125	2	40	-	-	-	-	-	125	160	130	165
		R550	2	12	550	(430)	10	12	15	-	-	-	-
		H160	2	12	-	-	-	-	-	160	190	170	200
		R620	2	6	620	(550)	(4)	5	-	-	-	-	-
		H185	2	6	-	-	-	-	-	185	-	195	-

NOTE 1 - 1 N/mm² equivalent to 1 Mpa.
NOTE 2 - The numbers in brackets are not requirements for this norm, they are only for informative purposes.