

# Technical characteristics

Designations		Nominal dimension of cross section			Tensile Strength $R_m$ N/mm <sup>2</sup> min.	Proof stress of 0,2% $R_{p0.2}$ N/mm <sup>2</sup> approx.	Elongation A % approx.	Hardness		
Material		Metallurgical State	profile <sup>a</sup>	Rectangular plate thickness mm				HB min.	HV min.	
Symbol	Number			from						up to and including
CuZn35Pb1 CuZn35Pb2 CuZn36Pb3 CuZn37Pb2	CW600N CW601N CW603N CW606N	M	All	All		Rough Manufacture				
		R440	–	–	6	440	(300)	(10)	–	–
		H115	–	–	6	–	–	–	115	120
		R400	–	6	60	400	(180)	(25)	–	–
		H100	–	6	60	–	–	–	100	105
		M	All	All		Rough Manufacture				
CuZn36Pb2As	CW602N	R350	–	–	6	350	(240)	(15)	–	–
		H110	–	–	6	–	–	–	110	115
		R280	–	6	60	280	(130)	(30)	–	–
		H080	–	6	60	–	–	–	80	85
		M	All	All		Rough Manufacture				
		M	All	All		Rough Manufacture				

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Material		Metallurgical State	profile <sup>a</sup>	Rectangular plate thickness mm					HB min.	HV min.
Symbol	Number			from	up to and including					
CuZn38Pb1 CuZn38Pb2 CuZn39Pb0,5 CuZn39Pb1 CuZn39Pb2 CuZn39Pb2Sn	CW607N CW608N CW610N CW611N CW612N CW613N	M	All	All		Rough Manufacture				
		R460	-	-	6	460	(320)	(8)	-	-
		H120	-	-	6	-	-	-	120	125
		R410	-	6	60	410	(190)	(20)	-	-
		H105	-	6	60	-	-	-	105	110
CuZn38Pb4 CuZn39Pb3 CuZn40Pb2 CuZn40Pb2Sn CuZn43Pb2	CW609N CW614N CW617N CW619N CW623N	M	All	All		Rough Manufacture				
		R480	-	-	6	480	(330)	(5)	-	-
		H130	-	-	6	-	-	-	130	135
		R430	-	6	60	430	(200)	(15)	-	-
		H110	-	6	60	-	-	-	110	115
CuZn40Pb2Al CuZn41Pb1Al CuZn42PbAl CuZn43Pb1Al CuZn43Pb2Al	CW618N CW620N CW621N CW622N CW624N	M	All	All		Rough Manufacture				

<sup>a</sup> For these profiles, mechanical characteristics will depend on the shape and dimensions of the profile and will be subject to agreement between client and supplier.

NOTE 1 – The values in brackets are not requisites for this norm, they are given only for informative purposes.

NOTA 2 –  $1\text{N/mm}^2$  is equivalent to 1 Mpa.