

Technical characteristics

Designations			Nominal diameter or distance between faces		Tensile Strength R_m N/mm ² min.	Yield Limit to 0.2% $R_{p0.2}$ N/mm ² approx.	Elongation			Hardness					
Material		Metallurgical State					From		Up to and including					HB	
Symbolic	Numerical		From	Up to and including			A_{100mm} % min.	$A_{11.3}$ % min.	A % min.	min.	max.	min.	max.		
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	-		

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Material			From	Up to and including			A_{100mm} % min.	$A_{11.3}$ % min.	A % min.	HB		HV			
Symbolic	Numerical	min.			max.	min.				max.					
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/mm ² equivalent to 1 Mpa.													
		NOTE 2 – The numbers in brackets are not requirements for this norm, they are only for informative purposes.													