

C89835

Wieland Concast offers more than 100 sizes of C89835, a lead-free C932 replacement, as a standard-stocked[†] inventory item. This alloy is also a suitable replacement for C836 and C844.

[†]Solids and tubes are standard stocked

Product description	Bismuth tin bronze
Solids	1/2" to 8" O.D.
Tubes	1 1/8" to 14" O.D.*
Rectangles	Up to 15"
Standard lengths	105"

*Consult mill for wall thickness

Wieland Concast certifications:
AS9100:2016 | ISO 9001:2015

Typical uses:

Plumbing:

- faucets, pump components, pipe fittings, plumbing goods, water pump impellers

Industrial:

- housings, small gears

C89835 compliance

- Federal Safe Drinking Water Act – SDWA
- S.3874 Reduction of Lead in Drinking Water Act
- California AB1953
- NSF/ANSI/CAN 61-2022



C89835 overview

Chemical composition

Cu (%)	Pb (%)	Sn (%)	Zn (%)	Fe (%)	P (%)	Ni (%)	Al (%)	Bi (%)	S (%)	Sb (%)	Si (%)
85.00-89.00	0.09	6.00-7.50	2.00-4.00	0.20	0.10	1.00	0.005	1.70-2.70	0.08	0.35	0.005

Chemical composition provided by CDA Note: Single values represent maximums.

Stocked size schedule

Nominal size				Nominal size				Nominal size					
I.D.	x	O.D.	Weight per inch	I.D.	x	O.D.	Weight per inch	I.D.	x	O.D.	Weight per inch	Weight per foot	
0.500	x	1.250	0.363	1.750	x	2.000	0.312	3.000	x	3.500	0.981	11.771	
		1.500	0.541			2.250	0.585			3.750	1.448	17.371	
		1.750	0.750			2.500	0.889			4.000	2.057	24.686	
		2.000	1.000			2.750	1.225			4.500	3.095	37.141	
						3.000	1.592			5.000	4.308	51.695	
0.750	x	1.250	0.290			3.250	2.038						
		1.500	0.470			3.500	2.486	3.250	x	3.750	1.048	12.571	
		1.750	0.677			3.750	2.952			4.000	1.666	20.000	
		2.000	0.921			4.000	3.543			4.500	2.711	32.534	
		2.250	1.194							5.000	3.924	47.088	
		2.500	1.500	2.000	x	2.250	0.354						
						2.500	0.658			3.500	4.000	1.238	14.857
						2.750	0.994			4.500	2.296	27.550	
1.000	x	1.250	0.185			3.000	1.361			5.000	3.509	42.103	
		1.500	0.362			3.250	1.810						
		1.750	0.572			3.500	2.248			3.750	4.500	1.849	22.187
		2.000	0.816			3.750	2.714			5.000	3.062	36.740	
		2.250	1.089			4.000	3.314						
		2.500	1.393			4.500	4.316			4.000	4.500	1.371	16.447
		2.750	1.729			5.000	5.523			5.000	2.583	31.000	
		3.000	2.100										
		3.250	2.562			2.250	0.731			4.250	5.000	2.073	24.881
		3.500	3.000			3.000	1.100						
		4.000	4.076			3.250	1.533			4.500	5.000	1.532	18.384
						3.500	1.981						
1.250	x	1.500	0.226			3.750	2.448						
		1.750	0.435			4.000	3.048						
		2.000	0.680										
		2.250	0.952			2.500	0.804						
		2.500	1.257			3.000	0.804						
		2.750	1.592			3.250	1.238						
		3.000	1.960			3.500	1.676			1.000	0.276	3.314	
		3.250	2.419			3.750	2.152			1.250	0.429	5.143	
		3.500	2.857			4.000	2.752			1.500	0.610	7.314	
		4.000	3.905			4.500	3.768			1.750	0.829	9.943	
						5.000	4.981			2.000	1.076	12.914	
										2.250	1.352	16.229	
1.500	x	1.750	0.267			2.750	0.905			2.500	1.667	20.000	
		2.000	0.512			3.500	1.349			2.750	2.010	24.114	
		2.250	0.784			3.750	1.819			3.000	2.390	28.686	
		2.500	1.089			4.000	2.419			3.500	3.156	37.871	
		2.750	1.424			4.500	3.448			4.000	4.160	49.916	
		3.000	1.791							4.500	5.247	62.958	
		3.250	2.248							5.000	6.459	77.512	
		3.500	2.686										
		3.750	3.162										
		4.000	3.743										
		4.500	4.737										

Solids		
Size O.D.	Weight per inch	Weight per foot
1.000	0.276	3.314
1.250	0.429	5.143
1.500	0.610	7.314
1.750	0.829	9.943
2.000	1.076	12.914
2.250	1.352	16.229
2.500	1.667	20.000
2.750	2.010	24.114
3.000	2.390	28.686
3.500	3.156	37.871
4.000	4.160	49.916
4.500	5.247	62.958
5.000	6.459	77.512

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