

# C89835

Wieland Concast offers 100 sizes of C89835, a lead-free C932 replacement, as a standard-stocked<sup>†</sup> inventory item. This alloy is also a suitable replacement for C836 and C844.

<sup>†</sup>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

## C89835 compliance

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

## Typical uses:

### Plumbing:

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

### Industrial:

- housings, small gears



# 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

### Tubes

Nominal size I.D. x O.D.	Weight per inch	Weight per foot	Nominal size I.D. x O.D.	Weight per inch	Weight per foot	Nominal size I.D. x O.D.	Weight per inch	Weight per foot
0.500 x 1.250	0.363	4.356	1.750 x 2.250	0.585	7.020	3.250 x 3.750	1.048	12.571
1.500	0.541	6.492	2.500	0.889	10.668	4.000	1.666	20.000
1.750	0.750	9.000	2.750	1.225	14.700	4.500	2.711	32.534
			3.000	1.592	19.104	5.000	3.924	47.088
0.750 x 1.250	0.290	3.480	3.250	2.038	24.457			
1.500	0.470	5.640	3.500	2.486	29.829	3.500 x 4.000	1.238	14.857
1.750	0.677	8.124	3.750	2.952	35.429	4.500	2.296	27.550
2.000	0.921	11.052				5.000	3.509	42.103
2.250	1.194	14.328	2.000 x 2.500	0.658	7.896			
			2.750	0.994	11.928	3.750 x 4.500	1.849	22.187
1.000 x 1.250	0.185	2.220	3.000	1.361	16.332			
1.500	0.362	4.344	3.250	1.810	21.714	4.000 x 5.000	2.583	31.000
1.750	0.572	6.862	3.500	2.248	26.971			
2.000	0.816	9.792	3.750	2.714	32.571	4.250 x 5.000	2.073	24.881
2.250	1.089	13.068	4.000	3.314	39.771			
2.500	1.393	16.716	4.500	4.316	51.788			
2.750	1.729	20.748	5.000	5.523	66.342			
3.000	2.100	25.200						
3.250	2.562	30.743	2.250 x 2.750	0.731	8.772			
3.500	3.000	36.000	3.000	1.100	13.200			
4.000	4.076	48.571	3.250	1.533	18.400			
			3.500	1.981	23.772			
1.250 x 1.500	0.226	2.712	3.750	2.448	29.371			
1.750	0.435	5.220						
2.000	0.680	8.160	2.500 x 3.000	0.804	9.648	1.000	0.276	3.314
2.250	0.952	11.424	3.250	1.238	14.857	1.250	0.429	5.143
2.500	1.257	15.084	3.500	1.676	20.114	1.500	0.610	7.314
2.750	1.592	19.104	3.750	2.152	25.829	1.750	0.829	9.943
3.000	1.960	23.520	4.000	2.752	33.029	2.000	1.076	12.914
3.250	2.419	29.029	4.500	3.768	45.221	2.250	1.352	16.229
3.500	2.857	34.289				2.500	1.667	20.000
			2.750 x 3.500	1.349	16.114	2.750	2.010	24.114
1.500 x 1.750	0.267	3.204	3.750	1.819	21.829	3.000	2.390	28.686
2.000	0.512	6.144	4.000	2.419	29.029	3.500	3.156	37.871
2.250	0.784	9.408	4.500	3.448	41.370	4.000	4.160	49.916
2.500	1.089	13.068				4.500	5.247	62.958
2.750	1.424	17.088	3.000 x 3.500	0.981	11.771	5.000	6.459	77.512
3.000	1.791	21.492	3.750	1.448	17.371			
3.250	2.248	26.971	4.000	2.057	24.686			
3.500	2.686	32.229	4.500	3.095	37.141			
3.750	3.162	37.943	5.000	4.308	51.695			
4.000	3.743	44.914						
4.500	4.737	56.844						

### 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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