



Proven Integrity. Delivering Value.



Hardiall® C72900 and Concast

*The **AIRCRAFT AND AEROSPACE INDUSTRY** requires an alloy which demonstrates excellent lubricity, wear, and galling resistance such as spinodal hardened Hardiall® C72900. Hardiall is ideal for applications where the load required exceeds the performance of copper-nickel-aluminum-based alloys.*

*At **Concast Metal Products Co.**, our unparalleled experience, service, and quality are at the foundation of our success in meeting the demand for C72900. **Concast** is the exclusive North American supplier of Hardiall C72900 produced by Lebronze alloys. This **standard-stocked alloy** is available from **Concast** to AMS 4596, 4597, and 4598 specifications.*

NOTE: Hardiall is a registered trademark of Lebronze Alloys.

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Concast Metal Products Co. is a manufacturer of specialty continuous-cast copper alloys. Concast has achieved a strong and stable market position through a sharp focus on evolving technologies, quality control, and a high level of customer service. Our inventory of over 1,000 standard sizes is the largest inventory of standard-stocked, continuous-cast alloys in North America.

■ Concast Metal Products Co. is certified to ISO 9001 and AS9100

C72900 (Hardiall®) Overview

Chemical Composition

Ni% + Co%	Sn%	Fe%	Zn%	Mn%	Cb%	Mg%	Pb%	Cu%
14.50-15.50	7.50-8.50	0.50	0.50	0.30	0.10	0.15	0.02	Rem.

Note: Single values represent maximums.

Stocked Size Schedules

AMS 4596 Solids

Size O.D.	Weight Per Inch	Weight Per Foot	Size O.D.	Weight Per Inch	Weight Per Foot	Size O.D.	Weight Per Inch	Weight Per Foot
0.750	0.143	1.714	2.250	1.286	15.427	3.750	3.571	42.853
1.000	0.254	3.047	2.500	1.587	19.046	4.000	4.063	48.758
1.250	0.397	4.761	2.625	1.750	20.998	4.500	5.142	61.709
1.500	0.571	6.857	2.750	1.921	23.046	5.000	6.349	76.184
1.750	0.778	9.333	3.000	2.286	27.426	5.500	7.682	92.182
1.875	0.893	10.713	3.250	2.682	32.188	6.000	9.142	109.705
2.000	1.016	12.189	3.500	3.111	37.330	6.750	11.570	138.845

AMS 4597 Solids

Size O.D.	Weight Per Inch	Weight Per Foot	Size O.D.	Weight Per Inch	Weight Per Foot	Size O.D.	Weight Per Inch	Weight Per Foot
0.750	0.143	1.714	1.250	0.397	4.761	1.750	0.778	9.333
1.000	0.254	3.047	1.500	0.571	6.857	2.000	1.016	12.189

AMS 4598 Tubes

Nom. Size I.D. x O.D.	Weight Per Inch	Weight Per Foot	Nom. Size I.D. x O.D.	Weight Per Inch	Weight Per Foot	Nom. Size I.D. x O.D.	Weight Per Inch	Weight Per Foot
3.000 x 4.500	3.015	36.179	3.500 x 5.000	3.374	40.492	6.440 x 7.660	4.718	56.615
			5.875	5.922	71.070	8.560	8.613	103.355



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