



Proven Integrity. Delivering Value.

AMS 4590-C63020 Alloy
✓ **Standard-Stocked Product**



There Is Power in the Right Choice

Concast today means value for the future. By selecting Concast Metal Products Co. as your supplier of **AMS 4590-C63020 Nickel-Aluminum Bronze**, you are creating immediate value for your business—value that you can pass on to your customers.

Concast is the right choice to provide you the **C63020** quality, service, and value you need to make your business a success.

AMS 4590-C63020 Typical Uses

CATEGORY	PRODUCT
Aircraft and Aerospace	landing gear bushings and bearings
Oil and Gas	bushings, hydraulic seal components

- **Concast produces AMS 4590-C63020 alloy as a standard-stocked product**
- Size range: 0.75" to 4.00" O.D.
- Shape: solid rounds
- Lengths: 24"
- 11 of the most popular sizes in stock
- Consult mill for additional size requirements

Contact us today to find out how we can improve the reliability and profitability of your extruded or cast and drawn alloy supply chain.



800.626.7071



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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 1,100 standard sizes is the largest inventory of standard-stocked, continuous-cast alloys in North America.

■ Concast is ISO 9001 and AS9100 QMS certified.

AMS 4590-C63020 Overview

Chemical Composition

Cu%	Pb%	Sn%	Zn%	Fe%	Ni% ¹	Al%	Co%	Cr%	Mn%	Si%
Rem.	0.03	0.25	0.30	4.00-5.50	4.20-6.00	10.00-11.00	0.20	0.05	1.50	0.15

¹Ni value includes Co. Note: Single values represent maximums.

Mechanical Properties

Tensile Strength, min		Yield Strength, at 0.2% Offset, min		Elongation, in 2 in. (50.8 mm) or 4D, min	Rockwell "C" Hardness
ksi	MPa	ksi	MPa	%	min HRC
SIZE RANGE: UP TO 1" DIAMETER INCLUSIVE					
135	931	100	689	6	26
SIZE RANGE: OVER 1" TO 2" DIAMETER INCLUSIVE					
130	896	95	655	6	26
SIZE RANGE: OVER 2" TO 4" DIAMETER INCLUSIVE					
130	896	90	621	6	26

Stocked Size Schedule

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	0.121	1.452	1.750	0.660	7.920	2.750	1.630	19.560
1.000	0.216	2.592	2.000	0.862	10.344	3.000	1.940	23.280
1.250	0.337	4.044	2.250	1.091	13.092	4.000	3.449	41.388
1.500	0.485	5.820	2.500	1.347	16.164			



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