



There Is Power in the Right Choice

Which supplier of **AMS 4590-C63020 Nickel Aluminum Bronze** is the right choice?

At Concast, we provide a high-quality, reliable inventory of AMS 4590-C63020. This gives our customers an on-demand inventory of finished goods as well as the industry's best customer service.

Make Concast the right choice for your AMS 4590-C63020 requirements.

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



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" OD
- Shape: solid rounds
- Lengths: 24"
- 11 of the most popular sizes in stock
- Consult mill for additional size requirements

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

☎ 800.626.7071 @ sales@concast.com

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Wakeman, OH 44889
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sales@concast.com

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.

www.concast.com

■ All Concast plants are ISO 9001 certified

AMS 4590-C63020 Overview

Similar or Equivalent Specification

CDA	ASTM	Asarcon	SAE	AMS	Federal	Military	Other
C63020	B150 B150M			4590			

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 .2% Offset, min		Elongation, in 2 in. (50.8 mm) or 4D, min	Rockwell "C" Hardness	Remarks
ksi	MPa	ksi	MPa	%	min HRC	
135	931	100	689	6	26	up to 1.0 inclusive
130	896	95	655	6	26	over 1.0 to 2.0 inclusive
130	896	90	621	6	26	over 2.0 to 4.0 inclusive

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	0.1212	1.4544	1.750	0.6601	7.9212	2.750	1.6301	19.5612
1.000	0.2155	2.5860	2.000	0.8622	10.3464	3.000	1.9400	23.2800
1.250	0.3368	4.0416	2.250	1.0912	13.0944	4.000	3.4490	41.3880
1.500	0.4850	5.8200	2.500	1.3472	16.1664			



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