



Proven Integrity. Delivering Value.

Extruded or Cast and Drawn Alloys



There Is Power in the Right Choice

Concast today means value for the future. By selecting Concast Metal Products Co. as your supplier of **extruded** or **cast and drawn alloys**, 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 **extruded** or **cast and drawn alloy** quality, service, and value you need to make your business a success.

Extruded or Cast and Drawn Products From Concast

STANDARD-STOCKED ALLOYS

C14500	C31400	C51000	C54400	C63000
C63020	C64200	C67300	C72900	

OTHER AVAILABLE ALLOYS

C23000	C26000	C31600	C52100	C62400
C65100	C67400	C67410	C69400	

Concast extruded or cast and drawn products are characterized by:

- More consistent tolerances
- Increased mechanical properties
- Improved machinability and productivity

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



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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

General Information

Copper Alloy UNS No.	ASTM Spec	AMS Spec	Tempers				Product Description	Round Size Range	Hex/Oct Size Range
C14500*	B301			H02		H04	Tellurium Copper	0.375 to 2.75	
C23000	B927		H01	H02		H04	Red Brass	0.375 to 2.5	
C26000	B927		H01	H02		H04	Cartridge Brass	0.375 to 2.5	0.375 to 2.0
C31400*	B140			H02		H04	Leaded Commercial Bronze	0.375 to 2.0	0.375 to 2.0
C31600	B140			H02		H04	Leaded Commercial Bronze ¹	0.375 to 2.0	0.375 to 2.0
C51000*	B139	4625				H04	H08 Phosphor Bronze	0.375 to 2.5	0.375 to 2.0
C52100	B139					H04	Phosphor Bronze	0.375 to 2.5	0.375 to 2.0
C54400*	B139					H04	Phosphor Bronze	0.375 to 2.75	0.375 to 2.0
C62400	B150		HR50				Aluminum Bronze	0.5 to 3.0	
C63000*	B150	4640	HR50				Nickel-Aluminum Bronze	0.375 to 10.0	0.5 to 2.0
C63020*	B150	4590	TQ50				Nickel-Aluminum Bronze	0.75 to 4.0	
C64200*	B150	4634	HR50				Aluminum Bronze	0.1875 to 6.0	0.5 to 2.0
C65100	B98			H02		H04	H06 Low-Silicon Bronze	0.375 to 2.0	0.375 to 2.0
C67300* ²				H02			Manganese Bronze	0.562 to 3.0	
C67400 ²							Manganese Bronze	0.75 to 3.0	0.375 to 2.0
C67410							Manganese Bronze	0.75 to 3.0	0.375 to 2.0
C69400	B371					H04	Silicon Red Brass	0.375 to 2.0	0.375 to 2.0
C72900 ³		4596					Copper Nickel-Tin Bronze	0.75-6.75	
C72900 ³		4597					Copper Nickel-Tin Bronze	0.75-2.0	
C72900 ³		4598					Copper Nickel-Tin Bronze	4.5-8.56	

*standard-stocked alloy. ¹(nickel-bearing). ²SAE J463 specification. ³Hardiall® C72900 produced by Lebronze Alloys.

Chemical Composition

Copper Alloy UNS No.	Cu%	Pb%	Sn%	Zn%	Fe%	P%	Ni%	Al%	Mn%	Si%
C14500 ^A	99.90 min					0.004-0.012				
C23000	84.00-86.00	0.05		Rem.	0.05					
C26000	68.50-71.50	0.07		Rem.	0.05					
C31400	87.50-90.50	1.30-2.50		Rem.	0.10		0.70			
C31600	87.50-90.50	1.30-2.50		Rem.	0.10	0.04-0.10	0.70-1.20			
C51000	Rem.	0.05	4.20-5.80	0.30	0.10	0.03-0.35				
C52100	Rem.	0.05	7.00-9.00	0.20	0.10	0.03-0.35				
C54400	Rem.	3.00-4.00	3.50-4.50	1.50-4.50	0.10	0.01-0.50				
C62400	Rem.		0.20		2.00-4.50			10.00-11.50	0.30	0.25
C63000	Rem. ¹		0.20	0.30	2.00-4.00		4.00-5.50 ²	9.00-11.00	1.50	0.25
C63020 ^B	Rem.	0.03	0.25	0.30	4.00-5.50		4.20-6.00	10.00-11.00	1.50	0.15
C64200 ^C	Rem. ¹	0.05	0.20	0.50	0.30		0.25 ²	6.30-7.60	0.10	1.50-2.20
C65100	Rem. ¹	0.05		1.50	0.80				0.70	0.80-2.00
C67300	58.00-63.00 ¹	0.40-3.00	0.30	Rem.	0.50		0.25 ²	0.25	2.00-3.50	0.50-1.50
C67400	57.00-60.00 ¹	0.50	0.30	Rem.	0.35		0.25 ²	0.50-2.00	2.00-3.50	0.50-1.50
C67410	55.00-59.00 ¹	0.80	0.50	Rem.	1.00		2.00	1.30-2.30	1.00-2.40	0.70-1.30
C69400	80.00-83.00 ¹	0.30		Rem.	0.20					3.50-4.50
C72900 ^D	Rem.	0.02	7.50-8.50	0.50	0.50		14.50-15.50 ²		0.30	

¹Cu value includes Ag. ²Ni value includes Co. ^AChemical requirements for other elements: Te 0.40-0.70%.

^BChemical requirements for other elements: Co 0.20%, max and Cr 0.05%, max. ^CChemical requirements for other elements: As 0.09%, max.

^DChemical requirements for other elements: Cb 0.10%, max and Mg 0.15%, max. Note: Unless otherwise noted, single values represent maximums.

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