

Con-Cast Zinc Alloy Bar Stock

Current Available Sizes & Information

Eastern Alloys carries a large inventory of Con-Cast Zinc bar stock for prototyping, and short production runs. The following sizes are available. Call directly for special sizes and shapes not listed below.

Zinc Con-Cast Sizes		
Alloy	Size Round (diameter) Flat (L x W)	Weight (lb/ft)
Zamak 3	3/4" diameter	1.3
Zamak 3	1" diameter	2.3
Zamak 3	1-3/4" diameter	7
Zamak 3	3" diameter	20.4
Zamak 3	2-1/8" x 4 1/8"	24.1
Zamak 3	5/8" x 3 1/8"	5.6
Zamak 5	3/4" diameter	1.4
Zamak 5	1" diameter	2.3
Zamak 5	2" diameter	9.1
Zamak 5	3-1/8" x 3 1/8"	28.3
Zamak 5	5/8" x 3 1/8"	5.6
Zamak 2	3/4" diameter	1.4
Zamak 2	2" diameter	9.4
ZA-8	3/4" diameter	1.3
ZA-8	1-3/4" diameter	6.6
ZA-8	2-1/8" x 4 1/8"	22.4
ZA-12	1" diameter	2.1
ZA-12	1 3/4" diameter	6.4
ZA-12	3-1/8" diameter	20.2
ZA-12	2 1/8" x 4 1/8"	21.7
ACuZinc 5	3/4" diameter	1.4
ACuZinc 5	1-3/4" diameter	7.2
ACuZinc 5	1-1/8" x 1 1/8"	3.7

Lengths
Standard Orders: 5'
Special Orders: Up to 15 ft

Other Sizes and Shapes
Other sizes and shapes available to specific order.

Weight Conversion Factors	
Alloy	Multiply Zamak by:
ZA-8	0.94
ZA-12	0.91
ZA-27	0.75
ACuZinc 5	1.03
SHG Zinc	1.08

Nominal Alloy Compositions (wt %)							
	#2	#3	#5	ZA8	ZA12	ZA27	ACuZinc
Al	4.0	4.0	4.0	8.0	11.0	27.0	3.0
Cu	2.8	-	1.0	1.0	0.75	2.2	5.5
Mg	0.03	0.04	0.04	0.02	0.02	0.02	0.04
Zn	BALANCE						
Density (lb/in ³)	0.24	0.24	0.24	0.227	0.218	0.181	0.247

Note: Con-Cast bars conform to ASTM B86 Specification

Tolerances		
Diameter* (in.)	Diameter Tolerance (in.)	Straightness
3/4 - 2	±0.015	Less than 0.050 inch deviation in any 12 inches
Over 2 - 4 excl.	±0.020	
4-9	±0.030	
*Additional size variation of up to ±0.005 in/in diameter between alloys.		

For Information Call
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