



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SB-148 C95820

Standard Specification for Aluminum-Bronze Sand Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ASME SB-148 Aluminum-Bronze Sand Casting

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	9.000 - 10.000	As-Cast	
Iron	Fe %	4.000 - 5.000		
Manganese	Mn %	1.500 max.		
Ni + Co	Ni% + Co%	4.500 - 5.800		
Lead	Pb %	0.020 max.		
Silicon	Si %	0.100 max.		
Tin	Sn %	0.200 max.		
Zinc	Zn %	0.200 max.		
Copper	Cu %	77.500 min.		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	650 min.
			Yield Strength in Mpa	270 min.
			Elongation in %	13 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C95820	UNS	USA	Rod, Bar, Tube and Shapes
B148 C95820	ASTM	USA	Casting
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS