



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM F467 C61300

Standard Specification for Nonferrous Nuts for General Use

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM F467 Nonferrous Nuts for General Use

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

Grade Belongs to the Industry - Bolts, Screws and Studs

Chemical Composition			Heat Treatment	
Aluminium	Al %	6.000 - 7.500	As Drawn or Stress Relieving	
Iron	Fe %	2.000 - 3.000		
Manganese	Mn %	0.100 max.		
Ni + Co	Ni% + Co%	0.150 max.		
Phosphorus	P %	0.015 max.		
Lead	Pb %	0.010 max.		
Silicon	Si %	0.100 max.		
Tin	Sn %	0.200 - 0.500		
Zinc	Zn %	0.500 max.		
Cu + Ag	Cu% + Ag%	88.500 - 91.500		
-	-	-	Mechanical Properties Tensile Strength in Mpa 450 - 515 Yield Strength in Mpa 180 - 250 Elongation in % 30 - 35 Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C61300	UNS	USA	Rod, Bar, Tube and Shapes
B100 C61300	ASTM	USA	Plate and Sheet
B111 C61300	ASTM	USA	Tubes
B169 C61300	ASTM	USA	Sheet, Strip and Bar
B171 C61300	ASTM	USA	Plate and Sheet
SB-111 C61300	ASME	USA	Tubes
SB-150 C61300	ASME	USA	Rod, Bar and Shapes

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.

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