



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity Incoloy 25-6HN

Standard Specification for Seamless and Heavily Cold Worked Austenitic Stainless Steel Sheet, Strip, Plate, Round Bar, Wire Rod and Forging Stock

Group - Non-Ferrous Nickel Alloys

Sub Group - Gravity Incoloy 25-6HN Seamless and Heavily Cold Worked Austenitic Stainless Steel Sheet, Strip, Plate, Round Bar, Wire Rod and Forging Stock

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

Grade Belongs to the Industry - Sheet, Strip, Plate, Round Bar, Wire Rod and Forging Stock

Chemical Composition			Heat Treatment	
Carbon	C %	0.010 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.300 max.		
Manganese	Mn %	0.400 max.		
Chromium	Cr %	20.600 max.		
Sulphur	S %	0.001 max.		
Phosphorus	P %	0.020 max.		
Molybdenum	Mo %	6.300 max.		
Copper	Cu %	0.250 max.		
Nitrogen	N %	0.210 max.		
Nickel	Ni %	24.300 min.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	737.7 min.
-	-	-	Yield Strength in Mpa	379.2 min.
-	-	-	Elongation in %	48 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	90 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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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.

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