



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity UGI HT750

Standard Specification for Nickel and Nickel Alloy Casting

Group - Non-Ferrous Nickel Alloys

Sub Group - Gravity UGI HT750 Nickel and Nickel Alloy Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	14.000 - 17.000		
Cobalt	Co %	1.000 max.		
Copper	Cu %	0.500 max.		
Aluminium	Al %	0.400 - 1.000		
Nb + Ta	Nb% + Ta%	0.700 - 1.200		
Iron	Fe %	5.000 - 9.000	Mechanical Properties	
Phosphorus	P %	0.020 max.	Tensile Strength in Mpa	980 - 1200
Sulphur	S %	0.015 max.	Yield Strength in Mpa	630 min.
Titanium	Ti %	2.250 - 2.750	Elongation in %	8 min.
Nickel	Ni %	70.000 min.	Reduction of Area in %	28 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	22 @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.4669	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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