



Material - DIN 1.4340

Standard Specification for Corrosion Resistant Steel Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN 1.4340 Corrosion Resistant Steel Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.300 - 0.500	Annealing or Hardening + Tempering	
Silicon	Si %	2.000 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	26.000 - 28.000		
Nickel	Ni %	3.500 - 5.500		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	700 - 1150
-	-	-	Yield Strength in Mpa	500 min.
-	-	-	Elongation in %	11 min.
-	-	-	Reduction of Area in %	35 min.
-	-	-	Hardness in BHN	220 - 300
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G X 40 Cr 28	UNI	Italy	Casting
G X 35 CrNi 28-05	UNI	Italy	Casting
J92615	UNS	USA	Casting
G X 40 CrNi 27-4	DIN	Germany	Casting
A 743 CC50	ASTM	USA	Casting
3444 Grade 9	IS	India	Casting
3444 Grade 13	IS	India	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.