

Material: UNI G X 35 CrNi 28-05

Standard Specification for Austenitic Stainless Steel; Heat Resisting Steel and Alloy Sand Castings

Group: Ferrous Stainless Steel Alloys

Sub Group: UNI G X 35 CrNi 28-05 Austenitic Stainless Steel; Heat Resisting Steel and Alloy Sand Castings

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.200 - 0.500	Normalizing or Annealing	
Silicon	Si %	2.500 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	26.000 - 30.000		
Nickel	Ni %	4.000 - 7.000		
Molybdenum	Mo %	0.500 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	490 min.
-	-	-	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G X 40 Cr 28	UNI	Italy	Casting
G X 40 CrNi 27-4	DIN	Germany	Casting
J92615	UNS	USA	Casting
1.4340	DIN	Germany	Casting
A 743 CC50	ASTM	USA	Casting
3444 Grade 9	IS	India	Casting
3444 Grade 13	IS	India	Casting

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