

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		
Carbon	C %	0.300 - 0.500
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing or Hardening + Tempering

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

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