

Material: DIN 1.4470

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN 1.4470 Steel Castings for Pressure Purposes

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	21.000 - 23.000
Molybdenum	Mo %	2.500 - 3.500
Nickel	Ni %	4.500 - 6.500
Nitrogen	N %	0.120 - 0.200
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	600 - 800
Yield Strength in Mpa	420 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	30 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4470	EN	European Union	Casting
1.447	DIN	Germany	Casting
GX2CrNiMoN22-5-3	UNI	Italy	Casting
GX2CrNiMoN22-5-3	DIN	Germany	Casting
GX2CrNiMoN22-5-3	DIN	Germany	Casting
GX2CrNiMoN22-5-3	EN	European Union	Casting
GX2CrNiMoN22-5-3	AFNOR NF	France	Casting

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