

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			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
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		
-	-	-	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	
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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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