

Material: DIN 14825

Standard Specification for Heat Resisting Steel Castings

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN 14825 Heat Resisting 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 %	0.150 - 0.300	Solution Annealing	
Silicon	Si %	1.000 - 2.500		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	17.000 - 19.000		
Nickel	Ni %	8.000 - 10.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	440 min.
-	-	-	Yield Strength in Mpa	230 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A743 CF20	ASTM	USA	Casting
5358	AMS	USA	Casting
422932	CSN	Czech Republic	Casting
G X 25 CrNiSi 18-9	DIN	Germany	Casting
G X 16 CrNi 20-10	UNI	Italy	Casting
J92502	UNS	USA	Casting
J92602	UNS	USA	Casting

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