

Material: CSN 422952

Standard Specification for Alloy Steel Casting 42 2952

Group: Ferrous Stainless Steel Alloys

Sub Group: CSN 422952 Alloy Steel Casting 42 2952

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.300 - 0.450	As - Cast	
Silicon	Si %	0.750 - 1.750		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	24.000 - 27.000		
Nickel	Ni %	20.000 - 22.000		
Molybdenum	Mo %	0.500 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	441 min.
-	-	-	Yield Strength in Mpa	216 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	130 - 220
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
310C40	BS	British	Casting
1.4848	DIN	Germany	Casting
G X 40 CrNi 26-20	UNI	Italy	Casting
J94224	UNS	USA	Casting
40 CrNiSi 25-20	MSZ	Hungary	Casting
393 G X 40 CrNi 25-20	SFS	Finland	Casting
A297 Grade HK	ASTM	USA	Casting

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Customer Care: +91-99090 45075 Email: info@icastllp.com