



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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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