



Material - CSN 42 2952

Standard Specification for Cr-Ni Steel Casting

Group - Ferrous Stainless Steel Alloys

Sub Group - CSN 42 2952 Cr-Ni Steel Casting

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	Solution Annealing	
Silicon	Si %	0.750 - 1.750		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.040 max.		
P + S	P% + S%	0.075 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 -	
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-	-	-		
-	-	-		
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A351 HK30	ASTM	USA	Casting
SA 351 HK30	ASME	USA	Casting
310 C40	BS	British	Casting
F.8452	UNE	Spain	Casting
G X 40 CrNi 26-20	UNI	Italy	Casting
A608 HK30	ASTM	USA	Casting
393 G-X 40 CrNi 25 20	SFS	Finland	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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