



Material - CSN 422934

Standard Specification for Heat Resistant Steel Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - CSN 422934 Heat Resistant 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 %	0.250 - 0.450	As - Cast	
Silicon	Si %	1.000 - 2.000		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	20.000 - 23.000		
Nickel	Ni %	9.000 - 11.000		
Iron	Fe %	Balance		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	441 min.
-	-	-	Yield Strength in Mpa	206 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	160 - 250
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4826	DIN	Germany	Casting
SCH 12	JIS	Japan	Casting
G X 30 CrNi 20-10	UNI	Italy	Casting
AM-X 30 CrNi 20-10	UNE	Spain	Casting
J92603	UNS	USA	Casting
G X 40 CrNiSi 22-9	DIN	Germany	Casting
A297 Grade HF	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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