Material - BS 309C30

Standard Specification for Heat Resisting Stainless Steel; Steel Castings for General Engineering Purposes

Group - Ferrous Stainless Steel Alloys
Sub Group - BS 309C30 Heat Resisting Stainless Steel; Steel Castings for General Engineering Purposes
Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.500 max.	As - Cast	
Silicon	Si %	2.500 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.050 max.		
Sulphur	S %	0.050 max.		
Chromium	Cr %	22.000 - 27.000		
Nickel	Ni %	10.000 - 14.000		
Molybdenum	Mo %	1.500 max.		
Iron	Fe %	Balance	**Mechanical Properties**	
-	-	-	Tensile Strength in Mpa	515 min.
-	-	-	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1.4837	DIN	Germany	Casting
J93503	UNS	USA	Casting
SCH 13 A	JIS	Japan	Casting
422936	CSN	Czech Republic	Casting
40 CH 24 N 12 SL	GOST	Russia	Casting
40 CrNiSi 25-12	MSZ	Hungary	Casting
A297 Grade HH	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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