

Material: DIN 1.4826

Standard Specification for Heat Resisting Steel Castings

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN 1.4826 Heat Resisting 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 %	0.300 - 0.500	As - Cast	
Silicon	Si %	1.000 - 2.500		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	21.000 - 23.000		
Nickel	Ni %	9.000 - 11.000		
Molybdenum	Mo %	0.500 max.		
Vanadium	V %	0.120 max.		
Tungsten	W %	0.600 max.		
Cobalt	Co %	1.000 max.	Mechanical Properties	
Copper	Cu %	0.250 max.	Tensile Strength in Mpa	440 min.
Iron	Fe %	Balance	Yield Strength in Mpa	230 min.
-	-	-	Elongation in %	8 min.
-	-	-	Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J92603	UNS	USA	Casting
SCH 12	JIS	Japan	Casting
G X 30 CrNi 20-10	UNI	Italy	Casting
AM-X 30 CrNi 20-10	UNE	Spain	Casting
422934	CSN	Czech Republic	Casting
G X 40 CrNiSi 22-9	DIN	Germany	Casting
A297 Grade HF	ASTM	USA	Casting

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