

Material: DIN 1.4832

Standard Specification for Castings, Austenitic, for Pressure-Containing Parts

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN 1.4832 Castings, Austenitic, for Pressure-Containing Parts

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.150 - 0.350
Silicon	Si %	1.000 - 2.500
Manganese	Mn %	0.500 - 1.500
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	19.000 - 21.000
Nickel	Ni %	13.000 - 15.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	440 min.
Yield Strength in Mpa	230 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
LH 19 N 14 G	PN	Poland	Casting
J92604	UNS	USA	Casting
19 Cr12 Ni 4 Mn	Common	-	Casting
S30409	UNS	USA	General Corrosive Service
A 297 HG10MnN	ASTM	USA	Casting
A743 HG10MnN	ASTM	USA	Casting
A351 HG10MnN	ASTM	USA	Casting

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