

Material: UNS J94204

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

Group: Ferrous Stainless Steel Alloys

Sub Group: UNS Castings, Austenitic, for Pressure-Containing Parts

Application: Intended for Valves, Pumps, General Engineering, Automobile and Other Industries Grade

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.350 - 0.450	Solution Annealing	
Silicon	Si %	1.750 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	23.000 - 27.000		
Nickel	Ni %	19.000 - 22.000		
Molybdenum	Mo %	0.500 max.		
Iron	Fe %	Balance		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	425 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
A-608 Grade HK 40	ASTM	USA	Casting
SA-351 Grade HK 40	ASME	USA	Casting
A-567 Grade HK 40	ASTM	USA	Casting
310 C 45	BS	British	Casting
40 CrNiSi 25-20	MSZ	Hungary	Casting
1.4848	WN	Germany	Casting
SCH 22	JIS	Japan	Casting

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