

Material: BS 10213 EN 1.4308

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: BS 10213 Steel Castings for Pressure Purposes

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.070 max.	Solution Annealing	
Silicon	Si %	1.500 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	18.000 - 20.000		
Nickel	Ni %	8.000 - 11.000		
Copper	Cu %	0.500 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	440 - 640
			Yield Strength in Mpa	200 min.
			Elongation in %	30 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	60 min. @ -196°C

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A743 CF8	ASTM	USA	Casting
304	AISI	USA	Bar, Wire, Strip, Slit, Plate, Sheet and Forging
1.4308	BS	British	Casting
1.4301	EN	European Union	Forging
304 S 11	BS	British	Bright Bars, Hot Rolled and Cold Rolled Coil
SUS 304	JIS	Japan	Hot Rolled Equal Leg Angles
08CH18N10	GOST	Russia	Pipes, Fittings, Bar, Sheet and Forging

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