



## Material - BS 10213 EN 1.4859

### 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 %	0.050 - 0.150	AS- Cast	
Silicon	Si %	0.500 - 1.500		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	19.000 - 21.000		
Nickel	Ni %	31.000 - 33.000		
Molybdenum	Mo %	0.500 max.		
Copper	Cu %	0.500 max.		
Niobium	Nb %	0.500 - 1.500		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      400 - 600 Yield Strength in Mpa      180 min. Elongation in %      20 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      27 min. @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4859	BS	British	Casting
1.4859	DIN	Germany	Casting
GX10NiCrSiNb32-20	UNI	Italy	Casting
GX10NiCrSiNb32-20	EN	European Union	Casting
GX10NiCrSiNb32-20	DIN	Germany	Casting
GX10NiCrSiNb32-20	BS	British	Casting
GX10NiCrSiNb32-20	AFNOR NF	France	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](mailto:marketing@gravitycastindia.com)**

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