



Material - BS 10213 EN 1.4405

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 %	0.060 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.800 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	15.000 - 17.000		
Nickel	Ni %	4.000 - 6.000		
Molybdenum	Mo %	0.700 - 1.500		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.080 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 760 - 960 Yield Strength in Mpa 540 min. Elongation in % 15 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 60 min. @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4405	BS	British	Casting
1.4405	DIN	Germany	Casting
GX4CrNiMo16-5-1	UNI	Italy	Casting
GX4CrNiMo16-5-1	DIN	Germany	Casting
GX4CrNiMo16-5-1	EN	European Union	Casting
GX4CrNiMo16-5-1	AFNOR NF	France	Casting
GX4CrNiMo16-5-1	BS	British	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

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