Material - DIN 1.0213

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys
Sub Group - DIN 1.0213 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 - 0.100	
Silicon	Si %	0.100 max.	
Manganese	Mn %	0.200 - 0.450	
Phosphorus	P %	0.020 max.	Normalizing or Quenching or Solution Annealing
Sulphur	S %	0.025 max.	
Aluminium	Al %	0.020 - 0.060	
Iron	Fe %	Balance	
-	-	-	

Chemical Composition (cont.)			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	310 - 490
-	-	-	Yield Strength in Mpa	180 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	63 max.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	27 J @ RT

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10213 G17CrMo5-5	BS	British	Plate, Tubes and Forging
QSt 34-3	DIN	Germany	Plate, Tubes and Forging
C8C	ISO	International	Casting
1.0213	EN	European Union	Casting
1.0213	AFNOR NF	France	Casting
1.0213	MSZ	Hungary	Casting
1.0213	UNI	Italy	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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