

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	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.100 max.		
Manganese	Mn %	0.200 - 0.450		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.025 max.		
Aluminium	Al %	0.020 - 0.060		
Iron	Fe %	Balance		
-	-	-	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	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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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

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