Material: EN 1.0213

Standard Specification for Steel Castings for Pressure Purposes

Group: *Ferrous Mild Steel Alloys*
Sub Group: *EN 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		
Carbon	C %	0.060 - 0.100
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Quenching or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	490 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	63 max.
Hardness in BHN	-
Impact in Joule	-

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	AFNOR NF	France	Casting
1.0213	DIN	Germany	Casting
1.0213	MSZ	Hungary	Casting
1.0213	UNI	Italy	Casting

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