

Material: DIN QSt 34-3

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: DIN QSt 34-3 Steel Castings for Pressure Purposes

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Plate, Tubes and Forging

Chemical Composition		
Carbon	C %	0.050 - 0.100
Silicon	Si %	0.100 max.
Manganese	Mn %	0.200 - 0.400
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Aluminium	Al %	0.020 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Quenching or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	310 - 420
Yield Strength in Mpa	180 min.
Elongation in %	30 min.
Reduction of Area in %	-
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
C8C	ISO	International	Casting
1.0213	EN	European Union	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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