



Material - ISO C8C

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - ISO C8C 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																
Molybdenum	Mo %	0.100 max.																
Nickel	Ni %	0.300 max.																
Copper	Cu %	0.300 max.																
Iron	Fe %	Balance																
-	-	-	<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>490 min.</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>-</td> </tr> <tr> <td>Elongation in %</td> <td>-</td> </tr> <tr> <td>Reduction of Area in %</td> <td>63 max.</td> </tr> <tr> <td>Hardness in BHN</td> <td>-</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </tbody> </table>		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	-
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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
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

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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