

Material: BS 10213 EN GX 15 CrMo 5

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BS 10213 Steel 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 %	0.120 - 0.190	Normalising or Annealing or Hardening + Tempering															
Silicon	Si %	0.800 max.																
Manganese	Mn %	0.500 - 0.800																
Phosphorus	P %	0.025 max.																
Sulphur	S %	0.025 max.																
Chromium	Cr %	4.000 - 6.000																
Molybdenum	Mo %	0.450 - 0.650																
Copper	Cu %	0.300 max.																
Vanadium	V %	0.050 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>630 - 760</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>420 min.</td> </tr> <tr> <td>Elongation in %</td> <td>16 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in BHN</td> <td>-</td> </tr> <tr> <td>Impact in Joule</td> <td>27 min. @ RT</td> </tr> </tbody> </table>		Mechanical Properties		Tensile Strength in Mpa	630 - 760	Yield Strength in Mpa	420 min.	Elongation in %	16 min.	Reduction of Area in %	-	Hardness in BHN	-	Impact in Joule	27 min. @ RT
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.7365	EN	European Union	Casting
1.7365	BS	British	Casting
1.7365	DIN	Germany	Casting
17102	CSN	Czech Republic	Steel
GX15CrMo5	DIN	Germany	Casting
GX15CrMo5	AFNOR NF	France	Casting
H 5 M	PN	Poland	Steel

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