



## Material - UNI 1.0213

### Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - UNI 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		
-	-	-	<b>Mechanical Properties</b> 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
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

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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