GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - MSZ 1.0213

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - MSZ 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	EN	European Union	Casting
1.0213	AFNOR NF	France	Casting
1.0213	DIN	Germany	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