GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 276 Grade 6

Standard Specification for Austenitic-Manganese Steel Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - IS 276 Grade 6 Austenitic-Manganese Steel Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	1.050 - 1.350
Silicon	Si %	0.300 - 0.900
Manganese	Mn %	16.000 - 19.000
Phosphorus	P %	0.080 max.
Sulphur	S %	0.025 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	280 max.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1.3405	DIN	Germany	Steel
X 90 Mn 18	DIN	Germany	Steel
SEW 390 X35Mn18	DIN	Germany	Steel
SEW 390 1.3805	DIN	Germany	Steel
-	-	-	-
-	-	-	-
-	-	-	-

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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