GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity 36Mn5

Standard Specification for Structural and Constructional Steels

Group - Ferrous Mild Steel Alloys

Sub Group - Gravity 36Mn5 Structural and Constructional Steels

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

Grade Belongs to the Industry - Steel, Bars, Rods, Casting and Forging

Chemical Composition		
Carbon	C %	0.350 - 0.450
Silicon	Si %	0.600 max.
Manganese	Mn %	1.300 - 1.700
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Other	Ot %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or As-Cast or Annealing or Normalizing or Normalizing & Tempering or Quenching & Tempering or Hardening & Tempering

Mechanical Properties	
Tensile Strength in Mpa	400 max.
Yield Strength in Mpa	200 min.
Elongation in %	15 min.
Reduction of Area in %	30 min.
Hardness in HB	130 - 230
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
17204 36 Mn 5	DIN	Germany	Tubing
17204 1.4467	DIN	Germany	Tubing
36254 36 Mn 5	UNE	Spain	Casting
36254 F.8212	UNE	Spain	Casting
683-18 36 Mn 6	ISO	International	Steel
683-1 36 Mn 6	ISO	International	Steel
G 5111 SCMn 3	JIS	Japan	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.