GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 4368 17MnlCr

Standard Specification for Alloy Steel Billets, Blooms and Slabs for Forgings for General Engineering Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - IS 4368 17MnlCr Alloy Steel Billets, Blooms and Slabs for Forgings for General Engineering Purposes

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.140 - 0.190
Silicon	Si %	0.100 - 0.350
Manganese	Mn %	1.000 - 1.300
Sulphur	S %	0.050 max.
Phosphorus	P %	0.050 max.
Nickel	Ni %	0.300 max.
Chromium	Cr %	0.800 - 1.100
Molybdenum	Mo %	0.060 max.
Vanadium	V %	0.050 max.
Copper	Cu %	0.300 max.
Tin	Sn %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Normalizing

Mechanical Properties	
Tensile Strength in Mpa	-
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	241 max.
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G 4805-17 17MnCr5	JIS	Japan	Steel
17230 17 MnCr 5	DIN	Germany	Steel
17230 1.3521	DIN	Germany	Steel
17210 16 MnCr 5	DIN	Germany	Steel
683-11 16 MnCr 5	ISO	International	Steel
10263-3 16 MnCr 5	EN	European Union	Rod, Bars and Wire
EU 94 16 MnCr 5 F	EN	European Union	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

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.