GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10293 1.6781 (G17NiCrMo13-6)

Standard Specification for Steel Castings for general engineering uses

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10293 1.6781 (G17NiCrMo13-6) Steel Castings for general engineering uses

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	0.150 - 0.190
Silicon	Si %	0.500 max.
Manganese	Mn %	0.550 - 0.800
Phosphorus	P %	0.015 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	1.300 - 1.800
Molybdenum	Mo %	0.450 - 0.600
Nickel	Ni %	3.000 - 3.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Normalizing & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	750 - 900
Yield Strength in Mpa	600 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	27 @ -80°C

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10213-2 G17NiCrMo13-6	UNI	Italy	Steel
10213-3 1.6781	EN	European Union	Steel and Casting
10213-3 G 17 NiCrMo 13 6	EN	European Union	Steel and Casting
SEW 520 1.6781	DIN	Germany	Steel and Casting
10213-3 1.6781	DIN	Germany	Steel and Casting
10213-3 G 17 NiCrMo 13-6	DIN	Germany	Steel and Casting
10213-3 G17NiCrMo13-6	AFNOR NF	France	Steel and 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.