GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10213 G17CrMoV5-10 I 1.7706

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10213 G17CrMoV5-10 I 1.7706 Steel 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 %	0.150 - 0.200
Silicon	Si %	0.600 max.
Manganese	Mn %	0.500 - 0.900
Phosphorus	P %	0.020 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	1.200 - 1.500
Molybdenum	Mo %	0.900 - 1.100
Nickel	Ni %	0.400 max.
Copper	Cu %	0.300 max.
Vanadium	V %	0.200 - 0.300
Tin	Sn %	0.025 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Normalizing or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	590 - 780
Proof Strength in Mpa	440 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	27 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10213-2 G17CrMo5-10	UNI	Italy	Steel
EN 10213-2 1.7706	DIN	Germany	Casting
17245 1.7706	DIN	Germany	Casting
17245 GS-17 CrMoV 5 11	DIN	Germany	Casting
1749 Ao 17 CrMoV	MSZ	Hungary	Casting
10213-2 G 17 CrMoV 5 10	EN	European Union	Casting
10213-2 1.7706	EN	European Union	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

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