GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10293 1.7725 (G30CrMoV6-4)

Standard Specification for Steel Castings for general engineering uses

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10293 1.7725 (G30CrMoV6-4) 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 %	0.270 - 0.340
Silicon	Si %	0.600 max.
Manganese	Mn %	0.600 - 1.000
Phosphorus	P %	0.025 max.
Sulphur	S %	0.020 max.
Chromium	Cr %	1.300 - 1.700
Molybdenum	Mo %	0.300 - 0.500
Vanadium	V %	0.050 - 0.150
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Normalizing & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	900 - 1100
Yield Strength in Mpa	750 min.
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	31 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
6927 15 CrMoV 6	UNI	Italy	Steel
A 32-054 G15CrMoV6	AFNOR NF	France	Steel and Casting
17205 1.7725	DIN	Germany	Steel and Casting
SEW 515 1.7725	DIN	Germany	Steel and Casting
17205 GS-30 CrMoV 6 4	DIN	Germany	Steel and Casting
SEW 515 GS-30 CrMoV 6 4	DIN	Germany	Steel and Casting
14 CrMoV 6-9	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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