GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS 317 C 16

Standard Specification for Austenitic Stainless Steel Castings for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS 317 C 16 Austenitic Stainless 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 %	0.080 max.
Silicon	Si %	1.500 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	17.000 - 21.000
Nickel	Ni %	9.000 min.
Molybdenum	Mo %	3.000 - 4.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	480 min.
Yield Strength in Mpa	240 min.
Elongation in %	22 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
SA-351 Grade CG8M	ASME	USA	Casting
1.4448	DIN	Germany	Casting
389 G X 8 CrNiMo 19-11-4	SFS	Finland	Casting
J93000	UNS	USA	Casting
A743 CG8M	ASTM	USA	Casting
A744 CG8M	ASTM	USA	Casting
A351 CG6M	ASTM	USA	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