Material - DIN 1.4832

Standard Specification for Castings, Austenitic, for Pressure-Containing Parts
Group - Ferrous Stainless Steel Alloys
Sub Group - DIN 1.4832 Castings, Austenitic, for Pressure-Containing Parts
Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 - 0.350	Solution Annealing	
Silicon	Si %	1.000 - 2.500		
Manganese	Mn %	0.500 - 1.500		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	19.000 - 21.000		
Nickel	Ni %	13.000 - 15.000		
Iron	Fe %	Balance		
-	-	-	**Mechanical Properties**	
-	-	-	Tensile Strength in Mpa	440 min.
-	-	-	Yield Strength in Mpa	230 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
LH 19 N 14 G	PN	Poland	Casting
J92604	UNS	USA	Casting
19 Cr12 Ni 4 Mn	Common	-	Casting
S30409	UNS	USA	General Corrosive Service
A 297 HG10MnN	ASTM	USA	Casting
A743 HG10MnN	ASTM	USA	Casting
A351 HG10MnN	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

ONE STOP SOLUTION FOR METAL PARTS