GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10302 1.4981 (X8CrNiMoNb16-16)

Standard Specification for Creep Resisting Steel, Nickel and Cobalt Alloys

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10302 1.4981 (X8CrNiMoNb16-16) Creep Resisting Steel, Nickel and Cobalt Alloys

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.040 - 0.100
Silicon	Si %	0.300 - 0.600
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	15.500 - 17.500
Molybdenum	Mo %	1.600 - 2.000
Niobium	Nb %	0.010 - 1.200
Nickel	Ni %	15.500 - 17.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	530 - 690
Proof Strength in Mpa	215 min.
Elongation in %	-
Reduction of Area in %	35 min.
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
17459 1.4981	DIN	Germany	Steel
17459 X 8 CrNiMoVNb 16 16	DIN	Germany	Steel
17460 X 8 CrNiMoVNb 16 16	DIN	Germany	Steel
17460 1.4981	DIN	Germany	Steel
17460 X 8 CrNiMoNb 16 16	DIN	Germany	Steel
17459 X 8 CrNiMoVNb 16 13	DIN	Germany	Steel
17460 1.4988	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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