GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10302 2.4878 (NiCr25Co20TiMo)

Standard Specification for Creep Resisting Steel, Nickel and Cobalt Alloys

Group - Non-Ferrous Nickel Alloys

Sub Group - BS EN 10302 2.4878 (NiCr25Co20TiMo) 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 %	0.030 - 0.070
Silicon	Si %	0.500 max.
Manganese	Mn %	0.500 max.
Phosphorus	P %	0.010 max.
Sulphur	S %	0.007 max.
Aluminium	Al %	1.200 - 1.600
Chromium	Cr %	23.000 - 25.000
Cobalt	Co %	19.000 - 21.000
Copper	Cu %	0.200 max.
Iron	Fe %	1.000 max.
Molybdenum	Mo %	1.000 - 2.000
Nb + Ta	Nb% + Ta%	0.700 - 1.200
Titanium	Ti %	2.800 - 3.200
Boron	B %	0.010 - 0.015
Tantalum	Ta %	0.050 max.

Chemical Composition		
Zirconium	Zr %	0.030 - 0.070
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Precipitation Hardening

Mechanical Properties	
Tensile Strength in Mpa	1100 min.
Proof Strength in Mpa	700 min.
Elongation in %	-
Reduction of Area in %	12 min.
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table

Material	Standard	Country	Grade Belong to the Industry
2.4632	DIN	Germany	Steel
NiCr 20 Co 18 Ti	DIN	Germany	Steel
17744 NiCr 20 Co 18 Ti	DIN	Germany	Steel
17744 2.4969	DIN	Germany	Steel
2 HR 2	B.S.	United Kingdom	Steel
HR 506	B.S.	United Kingdom	Steel and Wire
N07090	UNS	USA	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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