GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10269 NiCr20TiAl I 2.4952

Standard Specification for Steel and Nickel Alloys for Fasteners with Specified Elevated and/or Low Temperature Properties

Group - Non-Ferrous Nickel Alloys

Sub Group - BS EN 10269 NiCr20TiAl I 2.4952 Steel and Nickel Alloys for Fasteners with Specified Elevated and/or Low Temperature Properties

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 %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.020 max.
Sulphur	S %	0.015 max.
Aluminium	Al %	1.000 - 1.800
Boron	B %	0.008 min.
Chromium	Cr %	18.000 - 21.000
Cobalt	Co %	1.000 max.
Copper	Cu %	0.200 max.
Titanium	Ti %	1.800 - 2.700
Iron	Fe %	1.500 max.
Nickel	Ni %	65.000 min.
-	-	-
-	-	-

Heat Treatment
As-Raw or Precipitation Hardening

Mechanical Properties	
Tensile Strength in Mpa	1000 - 1300
Proof Strength in Mpa	600 min.
Elongation in %	12 min.
Reduction of Area in %	12 min.
Hardness in HBW	-
Impact in Joule	20 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
17240 NiCr 20 TiAl	DIN	Germany	Steel
17480 NiCr 20 TiAl	DIN	Germany	Steel
EN 10090 NiCr 20 TiAl	DIN	Germany	Steel
17742 NiCr 20 AlTi	DIN	Germany	Steel
17240 2.4952	DIN	Germany	Steel
10302 2.4952	EN	European Union	Steel
10302 NiCr 20 TiAl	EN	European Union	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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