GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10095 2.4951 (NiCr20Ti)

Standard Specification for Heat Resisting Steels and Nickel Alloys

Group - Non-Ferrous Nickel Alloys

Sub Group - BS EN 10095 2.4951 (NiCr20Ti) Heat Resisting Steels and Nickel Alloys

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.080 - 0.150
Manganese	Mn %	1.000 max.
Silicon	Si %	1.000 max.
Phosphorus	P %	0.020 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	18.000 - 21.000
Cobalt	Co %	5.000 max.
Iron	Fe %	5.000 max.
Aluminium	Al %	0.300 max.
Titanium	Ti %	0.200 - 0.600
Copper	Cu %	0.500 max.
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	650 - 850
Proof Strength in Mpa	240 min.
Elongation in %	-
Reduction of Area in %	30 min.
Hardness in HB	230 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
9722 NiCr20Ti	ISO	International	Steel
9722 NW6621	ISO	International	Steel
9723 NiCr20Ti	ISO	International	Steel and Bars
9723 NW6621	ISO	International	Steel and Bars
HR 5	B.S.	United Kingdom	Bars and Forging
HR 403	B.S.	United Kingdom	Steel
2.4630	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.