GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10216-5 1.4959 (X8NiCrAlTi32-21)

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10216-5 1.4959 (X8NiCrAlTi32-21) Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.050 - 0.100
Silicon	Si %	0.700 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.015 max.
Sulphur	S %	0.010 max.
Chromium	Cr %	19.000 - 22.000
Copper	Cu %	0.500 max.
Nickel	Ni %	30.000 - 34.000
Titanium	Ti %	0.250 - 0.650
Aluminium	Al %	0.200 - 0.650
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	500 - 750
Proof Strength in Mpa	200 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HRB	-
Impact in Joule	120 @ RT

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10028-7 1.4959	DIN	Germany	Steel
10028-7 X 8 NiCrAlTi 32 21	DIN	Germany	Steel
17460 1.4959	DIN	Germany	Steel
17460 X 8 NiCrAlTi 32 21	DIN	Germany	Steel
17459 1.4959	DIN	Germany	Steel
10028-7 1.4959	EN	European Union	Steel
10028-7 X 8 NiCrAlTi 32 21	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

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.