GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-213 N08029

Standard Specification for Seamless Ferritic and Austenitic Alloy-Steel Boiler, Superheater, and Heat-Exchanger Tubes

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-213 N08029 Seamless Ferritic and Austenitic Alloy-Steel Boiler, Superheater, and Heat-Exchanger Tubes

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

Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.020 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.025 max.
Sulphur	S %	0.015 max.
Silicon	Si %	0.600 max.
Chromium	Cr %	26.000 - 28.000
Nickel	Ni %	30.000 - 34.000
Molybdenum	Mo %	4.000 - 5.000
Copper	Cu %	0.600 - 1.400
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	500 min.
Yield Strength in Mpa	214 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10250-4 1.4563	EN	European Union	Steel
10028-7 1.4563	EN	European Union	Steel
10028-2 1.4563	DIN	Germany	Steel
142584 2584	SS	Sweden	Steel
2901-2 27.31.4S91	B.S.	United Kingdom	Rods and Wire
35-573 Z 2 NCDU 31-27	AFNOR NF	France	Steel
10088-1 X1NiCrMoCu 31-27-4	AFNOR NF	France	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.