GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-249 N08926

Standard Specification for Welded Austenitic Steel Boiler, Superheater, Heat-Exchanger, and Condenser Tubes

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-249 N08926 Welded Austenitic Steel Boiler, Superheater, Heat-Exchanger, and Condenser 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 %	0.030 max.
Sulphur	S %	0.010 max.
Silicon	Si %	0.500 max.
Chromium	Cr %	19.000 - 21.000
Nickel	Ni %	24.000 - 26.000
Molybdenum	Mo %	6.000 - 7.000
Nitrogen	N %	0.150 - 0.250
Copper	Cu %	0.500 - 1.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	650 min.
Yield Strength in Mpa	295 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in BHN	245 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10283 1.4588	EN	European Union	Steel
A 249 N08926	ASTM	USA	Steel and Tubing
A 240 N08926	ASTM	USA	Plate, Sheet and Strip
A 358 N08926	ASTM	USA	Steel and Pipe
A 959 N08926	ASTM	USA	Steel
A 269 N08926	ASTM	USA	Steel and Tubing
A 688 N08926	ASTM	USA	Steel and Tubing

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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