

Material - ASTM A240 UNS S32205

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A240 Chromium and Chromium-Nickel Stainless Steel for Pressure Vessels and for General Applications

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

Grade Belongs to the Industry - Steel, Plate, Sheet and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	22.000 - 23.000		
Nickel	Ni %	4.500 - 6.500		
Molybdenum	Mo %	3.000 - 3.500		
Nitrogen	N %	0.140 - 0.200	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	655 min.
-	-	-	Yield Strength in Mpa	450 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	293 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A995 4A	ASTM	USA	Casting
J92205	UNS	USA	Casting
A240 UNS S31803	ASTM	USA	Steel, Sheet, Plate and Strip
A890 4A	ASTM	USA	Casting
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For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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