

## Material: ASTM A240 UNS S32750

### 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 %	0.800 max.				
Manganese	Mn %	1.200 max.				
Phosphorus	P %	0.035 max.				
Sulphur	S %	0.020 max.				
Chromium	Cr %	24.000 - 26.000				
Nickel	Ni %	6.000 - 8.000				
Molybdenum	Mo %	3.000 - 5.000				
Nitrogen	N %	0.240 - 0.320				
Copper	Cu %	0.500 max.				
Iron	Fe %	Balance	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	795 min.		
-	-	-	Yield Strength in Mpa	550 min.		
-	-	-	Elongation in %	15 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	310 max.		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
S32750	UNS	USA	Steel
G X2CrNiMoN26-7-4	AFNOR NF	France	Casting
1.4469	EN	European Union	Casting
GX2CrNiMoN26-7-4	DIN	Germany	Casting
GX2CrNiMoN25-7-4	DIN	Germany	Casting
J93404	UNS	USA	Casting
1.4469	DIN	Germany	Casting

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