

## TYPE 316Ti™ STAINLESS STEEL STRIP

Type 316Ti has the addition of titanium to the molybdenum-bearing stainless steel for stabilization from chromium carbide precipitation. While 316L is generally resistant to CCP, it can result in rapid corrosion at higher temperatures (900-1500°). The addition of titanium stabilizes the carbides and can result in longer product life at higher temperatures.

Chemical Composition	%	Thickness Tolerances < 6" AMS2242	Tolerance (inch)
Carbon	.090 max	over .050 - .062 included	+/- .0030
Nickel	10.00 – 14.00	over .035 - .050 included	+/- .0025
Molybdenum	2.00 – 3.00	over .020 - .035 included	+/- .0020
Manganese	2.00	over .010 - .020 included	+/- .0015
Silicon	.750	under .010	+/- 10%
Nitrogen	.100		
Carbon	.080		
Phosphorus	.045		
Sulfur	.030		
Titanium	.700		
Iron	Balance		

## MECHANICAL PROPERTIES

Density	Tensile Strength	Yield Strength	Hardness	Elongation	Specifications
.289 lb/in <sup>3</sup>	75,000 min ksi	30,000 min ksi	95 HRB max	40% min	ASTM A240 ASME SA-240

Additional Information		
Width Tolerance	+/- .003	
Camber Tolerance	Up to and including 1.500" wide	.500" in 8 feet
	Over 1.500" wide	.250" in 8 feet
Edges Available	#3 Slit edge	
	#5 Deburred edge	
	#1 Round edge	

The above charts are intended to provide general background information. You should also review the appropriate material specification. Please contact Gibbs Interwire if you have any questions.

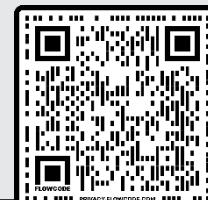
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### Locations in the USA, Canada, & Mexico