

## TYPE 304 STAINLESS STEEL STRIP

Type 304, ASTM-A666, is similar to Type 302, but has a maximum carbon content of .08%. This material has excellent combination of corrosion resistance and fabricability.

Chemical Composition	%	Thickness Tolerances	Tolerance (inch)
Carbon	.080 max	over .050 - .062 included	+/- .0030
Manganese	2.00 max	over .035 - .050 included	+/- .0025
Silicon*	.75 - 1.00 max	over .020 - .035 included	+/- .0020
Phosphorus	.040 max	over .010 - .020 included	+/- .0015
Sulfur	.030 max	under .010	+/- 10%
Chromium	18.00 – 20.00		
Nickel	8.0 – 10.5		
Molybdenum*	.750 max		
Copper*	.750 max		

\*Per AMS Spec

## MECHANICAL PROPERTIES

Condition	AMS Specification	Tensile Min PSI	Yield Min PSI	Elong % Min	Hardness (Reference)
Annealed	5513	75,000	30,000	40	RB 92 max
¼ Hard	5910	125,000	75,000	10/12*	RC 25 min
½ Hard	5911	150,000	110,000	6/7**	RC 32 min
¾ Hard	5912	175,000	135,000	3/5**	RC 37 min
Spring	5913	185,000	140,000	3/5**	RC 41 min

\*over .030 inch in thickness  
\*\*over .015 inch in thickness

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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