

## TYPE 305 EYELET QUALITY STAINLESS STEEL STRIP

Type 305 is used for applications requiring a low rate of work hardening and typically undergoes severe cold forming during fabrication. The higher nickel content slows the work hardening and makes it ideal for eyelet and other deep draw applications. Gibbs Interwire can supply Type 305 Eyelet Quality in gauges from .005" - .025" in the deep draw annealed condition per AMS 5514.

Chemical Composition	%	Thickness Tolerances < 6" AMS2242	
			Tolerance (inch)
Carbon	.120 max	over .050 - .062 included	+/- .0030
Manganese	2.00 max	over .035 - .050 included	+/- .0025
Silicon	1.00 max	over .020 - .035 included	+/- .0020
Phosphorus	.040 max	over .010 - .020 included	+/- .0015
Sulfur	.030 max	under .010	+/- 10%
Chromium	17.00 – 19.00		
Nickel	10.00 – 13.00		
Molybdenum	.750 max		
Copper*	.750 max		

## MECHANICAL PROPERTIES

Condition	Tensile Min PSI	Yield Min PSI	Elong % Min	Hardness (Reference)
Annealed	75,000	30,000	Less than .025" – 45% .025" and over – 50%	92 HRB max

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.

### Limitation of Liability and Disclaimer of Warranty:

The content in these data sheets is provided primarily by third-party melting mills and is provided for reference only. It is not intended for engineering or design.

Applications may be discussed; however, Gibbs Interwire does not recommend or endorse any material for any particular end use or application.

The data included in this data sheet are typical values and may vary. Gibbs Interwire makes no representations or warranties, express or implied, as to the accuracy, completeness, condition, suitability, performance, fitness for a particular purpose, or merchantability of any information contained in any data sheet.

In no event will Gibbs Interwire be liable for any damages whatsoever arising from the use of the information included in the data sheets.

