

## 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 can supply Type 305 Eyelet Quality in gauges from .005" - .025" in the deep draw annealed condition.

Chemical Composition	%	Thickness Tolerances < 6" AMS2242	Tolerance (inch)
Carbon	0.12 max	over .050 - .062 incl	+/- .0030
Manganese	2.00 max	over .035 - .050 incl	+/- .0025
Silicon	1.00 max	over .029 - .035 incl	+/- .0020
Phosphorus	.040 max	over .020 - .029 incl	+/- .0020
Sulfur	.030 max	over .017 - .020 incl	+/- .0015
Chromium	17.00 - 19.00	over .013 - .017 incl	+/- .0015
Nickel	10.00 - 13.00	over .011 - .013 incl	+/- .0015
Molybdenum	.750 max	over .010 - .011 incl	+/- .0015
Copper	.750 max	under .010	+/- 10%

### Mechanical Properties ( AMS 5514)

Condition	Tensile Min PSI	Yield Min PSI	Elong % Min	Hardness
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 if you have any questions.