

TYPE PHOSPHOR BRONZE STRIP

Alloy 510 Phosphor bronze strip, ASTM-B-103, offers excellent corrosion resistance and good strength and electrical conductivity. Gibbs stocks Grade A phosphor bronze in spring temper (8#ø hard) in the B 92-98 Rockwell range. Gibbs stocks gauge ranges from .006ö - .031ö

Chemical Composition ASTM-B-103	%	Thickness	Tolerance (inch) B-248	
			0 - 8ö width	Over 8ö ó 12ö
Tin	4.2 ö 5.8	Over .004 - .006 incl	.0006	.001
Phosphorus	.03 - .35	Over .006 - .009 incl	.0008	.0013
Iron	.10 max	Over .009 - .013 incl	.0010	.0015
Lead	.05 max	Over .013 - .017 incl	.0013	.0020
Zinc	.30 max	Over .017 - .021 incl	.0015	.0025
Copper	remainder	Over .021 - .026 incl	.0020	.0025
		Over .026 - .037 incl	.0025	.0030
Mechanical Properties (ASTM- ASTM-B-103)				
Condition	Tensile Min PSI			Hardness
Full Hard	95 - 110			RC 94 - 98

Additional Information	
Width Tolerance	+/- .003
Camber Tolerance	.500ö in 8 feet max
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.