

TYPE PHOSPHOR BRONZE STRIP

Alloy 510 Phosphor bronze strip, ASTM-B-103, offers excellent corrosion resistance and good strength and electrical conductivity. Gibbs Interwire stocks Grade A phosphor bronze in spring temper (8#’s hard) in the RB 94- 98 Rockwell range. Call for availability.

Chemical Composition Per ASTM-B-159		Dimensional Tolerances	Tolerance (inch)
Tin	4.20 – 5.80%	Over .004 - .006 included	+ / - .0006
Phosphorus	.03 – .35%	Over .006 - .009 included	+ / - .0008
Iron	.10% max	Over .009 - .013 included	+ / - .0010
Lead	.05% max	Over .013 - .017 included	+ / - .0013
Zinc	.30% max	Over .017 - .021 included	+ / - .0015
Copper	remainder	Over .021 - .026 included	+ / - .0020
		Over .026 - .037 included	+ / - .0025

TENSILE STRENGTH TABLE (ASTM-B-103)

Condition	Tensile PSI	Hardness
Full Hard	95,000 – 110,000	RB 94 - 98

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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