

PRECO 'N' MUSIC WIRE

Preco "N" is a nickel coated music wire which offers superior consistency and reliability, due to drawing after nickel coating, for such applications as computer keyboard springs, camera springs, battery springs, and cordless telephone antennas. Preco "N" exhibits minimum discoloration during stress relieving because no rust proofing oils are needed. Call for availability.

Chemical Composition Per ASTM-A-228		Dimensional Tolerances	Tolerance (inch)
Carbon	.70 - 1.0%	.004 to .010 included	+ / - .0002
Manganese	.20 - .70%	Over .010 to .028 incl.	+ / - .0003
Silicon	.10 - .30%	Over .028 to .063 incl.	+ / - .0004
Phosphorus, max	.025%	Over .063 to .080 incl.	+ / - .0005
Sulfur, max	.030%	Over .080 to .250 incl.	+ / - .0010
Iron	remainder		

TENSILE STRENGTH TABLE (ASTM-A-228 spec)

Dia. Inch	Tensile Min PSI	Tensile Max PSI	Dia. Inch	Tensile Min PSI	Tensile Max PSI
.004	439,000	485,000	.015	365,000	404,000
.005	426,000	471,000	.016	362,000	400,000
.006	415,000	459,000	.018	356,000	393,000
.007	407,000	449,000	.020	350,000	387,000
.008	399,000	441,000	.022	345,000	382,000
.009	393,000	434,000	.024	341,000	377,000
.010	387,000	428,000	.026	337,000	373,000
.011	382,000	422,000	.028	333,000	368,000
.012	377,000	417,000	.030	330,000	365,000
.013	373,000	412,000	.032	327,000	361,000
.014	369,000	408,000			

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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