

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.

Wire is available in size ranges from .015"-.032" and is also available on application.

Chemical Composition Per ASTM-A-228		Dimensional Tolerances	Tolerance (inch)
	*Max values		
Carbon	0.70 – 1.00%	.004 to .010 incl	+-.0002
Maganese	0.20 - 0.70%	Over .010 to .028 incl.	+-.0003
Silicon	0.10 - 0.30%	Over .028 to .063 incl.	+-.0004
Phosphorus, max	0.025% *	Over .063 to .080 incl.	+-.0005
Sulfur, max.	0.030% *	Over .080 to .250 incl.	+-.0010
Iron	Balance		

Tensile Strength Table (ASTM-A228 spec)

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

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.