Gibbs
WIRE & STEEL COMPANY, INC.

Technical Data Sheet

TYPE CORROSTAN MUSIC WIRE

Corrostan is an electro-galvanized, zinc coated music wire provided on reels and cores for long continuous production runs. Drawing after plating provides a zinc hard enough to withstand automatic coiling or mechanical forming operations without excessive peeling or flaking. Wire is available in size ranges from .017" - .078".

Chemical Composition Per ASTM-A-228 *Max values	
Carbon	0.70 – 1.00%
Maganese	0.20 - 0.70%
Silicon	0.10 - 0.30%
Phosphorus, max	0.025% *
Sulfur, max.	0.030% *
Iron	Balance

Dimensional Tolerances	Tolerance (inch)
.004 to .010 incl	+- .0002
Over .010 to .028 incl.	+- .0003
Over .028 to .063 incl.	+- .0004
Over .063 to .080 incl.	+- .0005

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	.034	324,000	358,000			
.007	407,000	449,000	.036	321,000	355,000.			
.008	399,000	441,000	.038	318,000	352,000			
.009	393,000	434,000	.040	315,000	349,000			
.010	387,000	428,000	.042	313,000	346,000			
.011	382,000	422,000	.045	309,000	342,000			
.012	377,000	417,000	.048	306,000	339,000			
.013	373,000	412,000	.051	303,000	335,000			
.014	369,000	408,000	.055	300,000	331,000			
.015	365,000	404,000	.059	296,000	327,000			
.016	362,000	400,000	.063	293,000	324,000			
.018	356,000	393,000	.067	290,000	321,000			
.020	350,000	387,000	.072	287,000	317,000			
.022	345,000	382,000	.076	284,000	314,000			
.024	341,000	377,000	.080	282,000	312,000			
.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.

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