

DFST-36NEW

November,17,2010 Dave Carruthers

DROSSBACH
P/N 111710-ST10
REV NONE

Compression	Cylind	CENG	Music Wire	Round
Wire Dia (in)	0.0980		Mean Dia (in)	2.0660
Rate (#/in)	0.5000	<i>ref</i>	Inside Dia (in)	1.9680
Spring Index C	21.0816		Outside Dia (in)	2.1640
Nat Freq (Hz)	10.6061		Max O.D. (in)	2.1981
Slenderness Lf/D	17.4250		Solid Hgt (in)	3.2410
Fatigue (cycles) > 10 Mil				
No Peen (cycles) > 10 Mil				
			Active Coils	30.0712
			Total Coils	32.0712
			Inactive Coils	0.0000
			Pitch (in)	1.1874
			1/Pitch (per in)	0.8422
			Pitch Ang (deg)	10.3671
			Devel Lngth (in)	208.1593
			Weight (lbs)	0.4459

	Free	Point 1	Point 2	Solid
Load (lbs)		9.0000	15.0000	16.3795
Length (in)	36.0000	18.0000	6.0000	3.2410
Deflection (in)		18.0000	30.0000	32.7590
Defl, % of Max Defl		54.9	91.6	
UNK Stress (psi)		50308	83846	91557
UNK Stress % of MTS		18.5	30.8	33.7
CORR Stress (psi)		53654	89424	97648
CORR Stress % of MTS		19.7	32.9	35.9

NORMAL MANUFACTURING TOLERANCES: (All other dimensions ref. only)

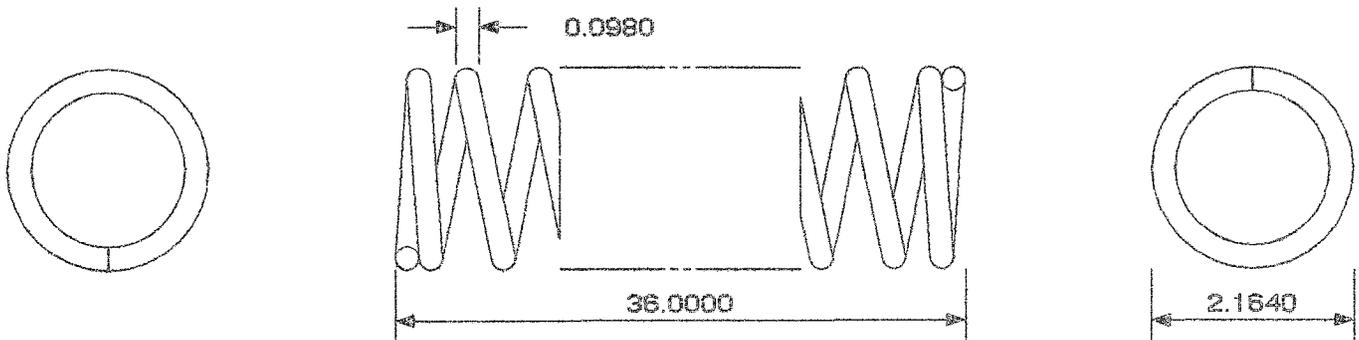
Coil Diameter: ± 0.035 "

FREE LENGTH ± 1.25 "

NOTES:

OPTIONAL WIND

PLAIN FINISH



Dimensions in inches

Analysis Only for use with the GENCOIL SPRING DESIGNER, Ver. 2.1 on 11/17/10