

DFST-237695 70 mm spring 46" long

DROSSBACH
111406-ST11
REV NONE

Compression	Cylind	CENG	Music Wire	Round
Wire Dia (in)	0.1970	Mean Dia (in)	3.8480	Active Coils 40.0000
				Total Coils 42.0000
				Inactive Coils 0.0000
Rate (#/in)	0.9500	Inside Dia (in)	3.6510	Pitch (in) 1.1477
Spring Index C	19.5330	Outside Dia (in)	4.0450	1/Pitch (per in) 0.8713
Nat Freq (Hz)	4.6204	Max O.D. (in)	4.0618	Pitch Ang (deg) 5.4235
Slenderness Lf/D	12.0842	Solid Hgt (in)	8.4710	Devel Lngth (in) 507.7316
Fatigue (cycles)				Weight (lbs) 4.3952
No Peen (cycles)				

	Free	Point 1	Point 2	Solid
Load (lbs)				36.1262
Length (in)	46.5000			8.4710
Deflection (in)				38.0290
Defl, % of Max Defl				
UNK Stress (psi)				46302
UNK Stress % of MTS				19.2
CORR Stress (psi)				49634
CORR Stress % of MTS				20.6

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

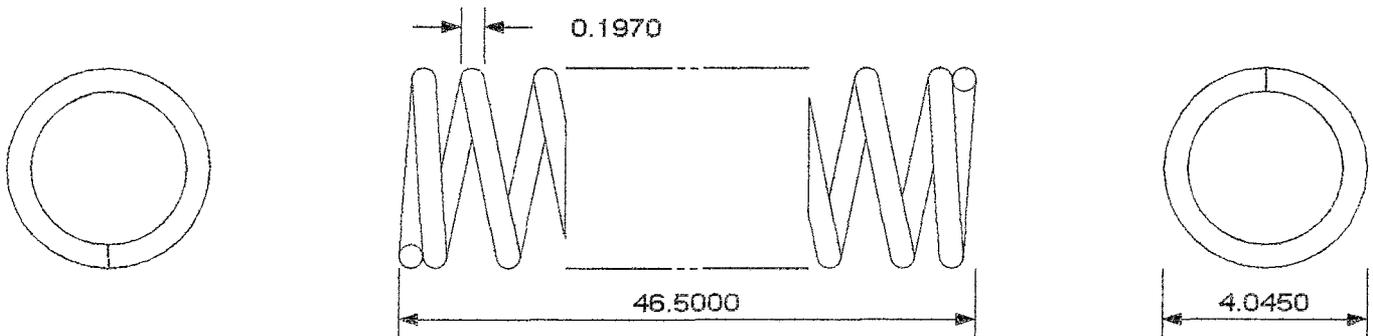
Coil Diameter: +/- .062

Free Length: REFERENCED

NOTES:

RIGHT HAND WOUND

PLAIN FINISH



Dimensions in inches

Illustration Only - Not for manufacture - Not to scale

Analysis performed with the SMI SPRING DESIGNER, Ver. 2.1 on 11/14/06