

SMI SPRING DESIGNER VERSION 2.0 HARDCOPY PRINT

To place your company name and other customizing data here, run SDSETUP

021999-1

Compression	Cylind	CEG	Music Wire	Round	
Wire Dia (in)	0.0630	Mean Dia (in)	0.3530	Active Coils	40.3267
				Total Coils	42.3267
				Inactive Coils	0.0000
Rate (#/in)	12.7660	Inside Dia (in)	0.2900	Pitch (in)	0.1266
Spring Index C	5.6032	Outside Dia (in)	0.4160	1/Pitch (per in)	7.8984
Nat Freq (Hz)	174.1564			Pitch Ang (deg)	6.5130
Slenderness Lf/D	14.8206	Max O.D. (in)	0.4177		
Fatigue (cycles) > 10 Mil		Solid Hgt (in)	2.6666	Devel Lngth (in)	46.9395
No Peen (cycles) > 10 Mil				Weight (lbs)	0.0416

	Free	Point 1	Point 2	Solid
Load (lbs)		20.0000	23.0000	32.7458
Length (in)	5.2317	3.6650	3.4300	2.6666
Deflection (in)		1.5667	1.8017	2.5651
Defl, % of Max Defl		61.1	70.2	
UNK Stress (psi)		71899	82684	117719
UNK Stress % of MTS		24.5	28.2	40.1
CORR Stress (psi)		91505	105211	149820
CORR Stress % of MTS		31.2	35.9	51.1

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

Coil Diameter: +/- 0.005 (in)

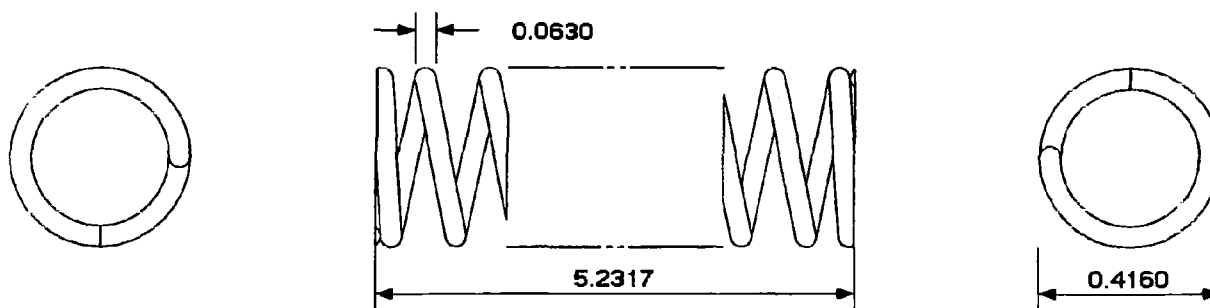
Length (smallest specified): +/- 9.1 (percent)

NOTES:

Minimum Allowable Working Height (before set) is 2.97 (in)

Spring may take a set at solid.

Spring may buckle under load.



Dimensions in inches

Illustration Only - Not for manufacture - Not to scale

Analysis performed with the SMI SPRING DESIGNER, Ver. 2.1 on 02/19/99

ET35715