

CERKA INDUSTRIES

Extension Cylind Close Wound Oil Tempered Round

Wire Dia (in)	0.1870	Mean Dia (in)	1.0630	Active Coils	154.0802
				Total Coils	154.0802
				Inactive Coils	0.0000
Rate (#/in)	9.4979	Inside Dia (in)	0.8760		
Spring Index C	5.6845	Outside Dia (in)	1.2500		
Nat Freq (Hz)	7.4600			Addl Feed (in)	0.0000
		Body Length (in)	29.0000	Devel Lngth (in)	521.2319
		Hook Length (in)	2.0000	Weight (lbs)	4.0656

	Free	Point 1	Point 2	Hooks at Max Load
Available IT (lbs)	56.2813			
Load (lbs)	50.0000	150.2505		Load (lbs) 150.2505
Length (in)	31.0000	41.5550		R1 (in) 0.5315
Deflection (in)		10.5550		R2 (in) 0.2805
Free Len / Deflection		2.9370		
UNK Stress (psi)	20698	62196		Bend (psi) 148611
UNK Stress % of MTS	10.4	31.4		Bend % MTS 75.0
CORR Stress (psi)	26251	78883		Tors (psi) 85520
CORR Stress % of MTS	13.2	39.8		Tors % MTS 43.1

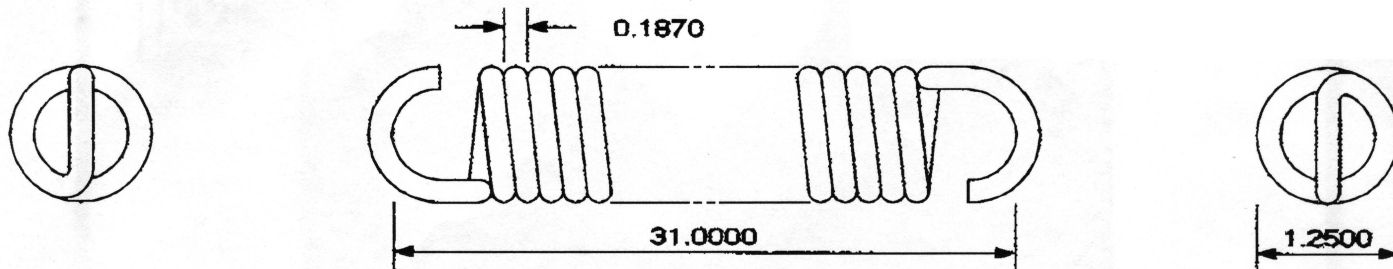
RMAL MANUFACTURING TOLERANCES: (All other dimensions ref. only)

Coil Diameter: +/- 0.012 (in)

NOTES:

Hook radius R1 based on mean diameter

Hook radius R2 assumed to be 1.5 wire diameters



Dimensions in inches

Illustration Only - Not for manufacture - Not to scale