



Force that
EMPOWERS

sales@springcreator.com Ph 951 276 2777

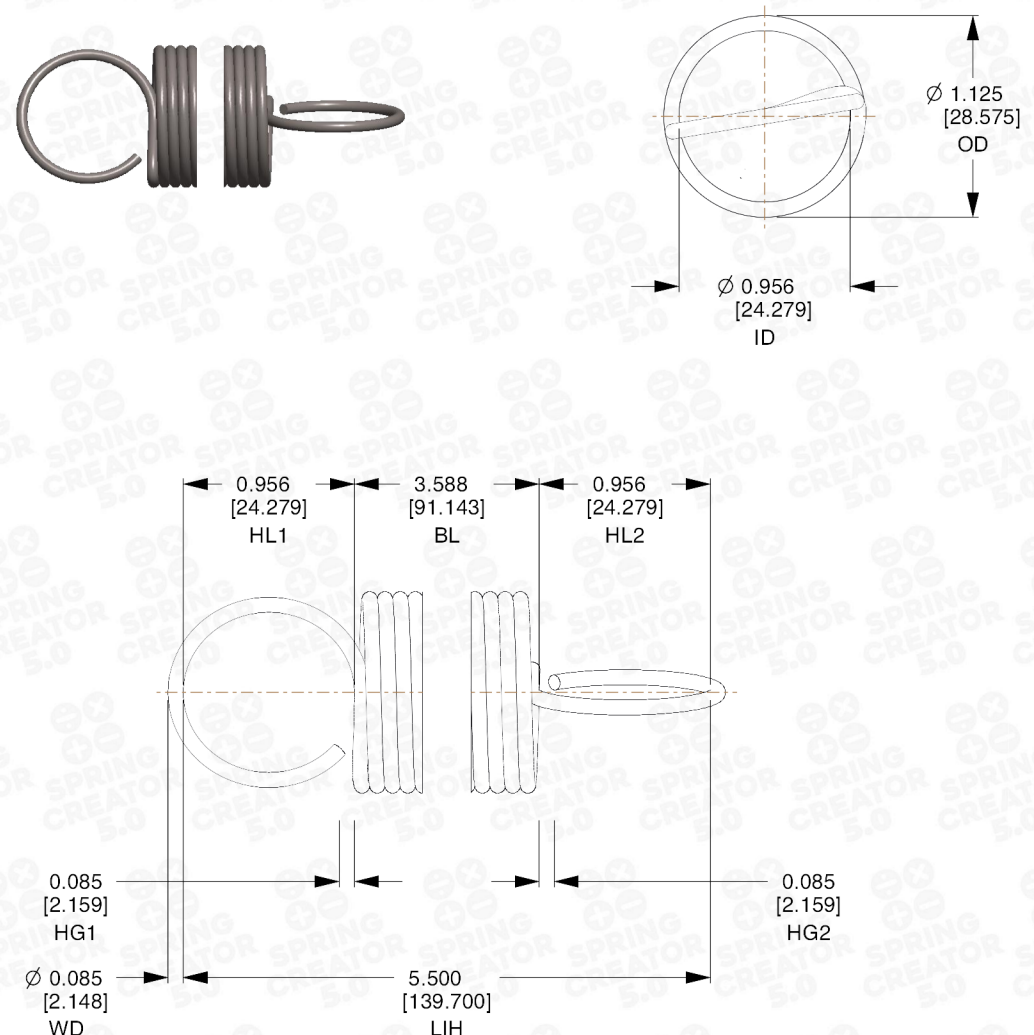
2225 E. Cooley Dr Colton, CA 92324

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Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE085-1125-41235-MW-5500-CO-N-IN ↗
Spring Type: Extension Spring	End Type: Cross-Over Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 12.235
Weight / M: 230.841 Lbs	Length of W: 143.170 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.085 in	[2.159 mm]	+/- 0.001
Outer Diameter (OD)	1.125 in	[28.575 mm]	+/- 0.020
Mean Diameter (MD)	1.040 in	[26.416 mm]	+/- 0.020
Inner Diameter (ID)	0.955 in	[24.257 mm]	+/- 0.020
Length Inside Hooks (LIH)	5.500 in	[139.700 mm]	+/- 0.200
Body Length (BL)	3.590 in	[91.186 mm]	+/- 0.100
Hook Gap 1 (HG1)	0.085 in	[2.159] mm	
Hook Gap 2 (HG2)	0.085 in	[2.159] mm	
Hook Length 1 (HL1)	0.955 in	[24.257] mm	
Hook Length 2 (HL2)	0.955 in	[24.257] mm	
Total Hook Length (THL)	1.910 in	[48.514] mm	

Spring Rate (K)	1.61677 lbs/in	0.283 N/mm	+/- 0.162
Max Load (ML)	22.039 lbf	98.034 N	+/- 2.204
Max Travel (MT)	12.283 in	311.976 mm	
Initial Tension (IT)	2.181 lbf	9.701 N	
Max Shear Stress Possible (t max)	132540.000 PSI	913831131.614 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.117	1.117	



Note: Body Length, Total Coils, End Type and End Position is for reference only.

Notes	Scale: 0.933	Revision #:	Drawn By:	Approved By:
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