



Force that
EMPOWERS

sales@springcreator.com Ph 951 276 2777

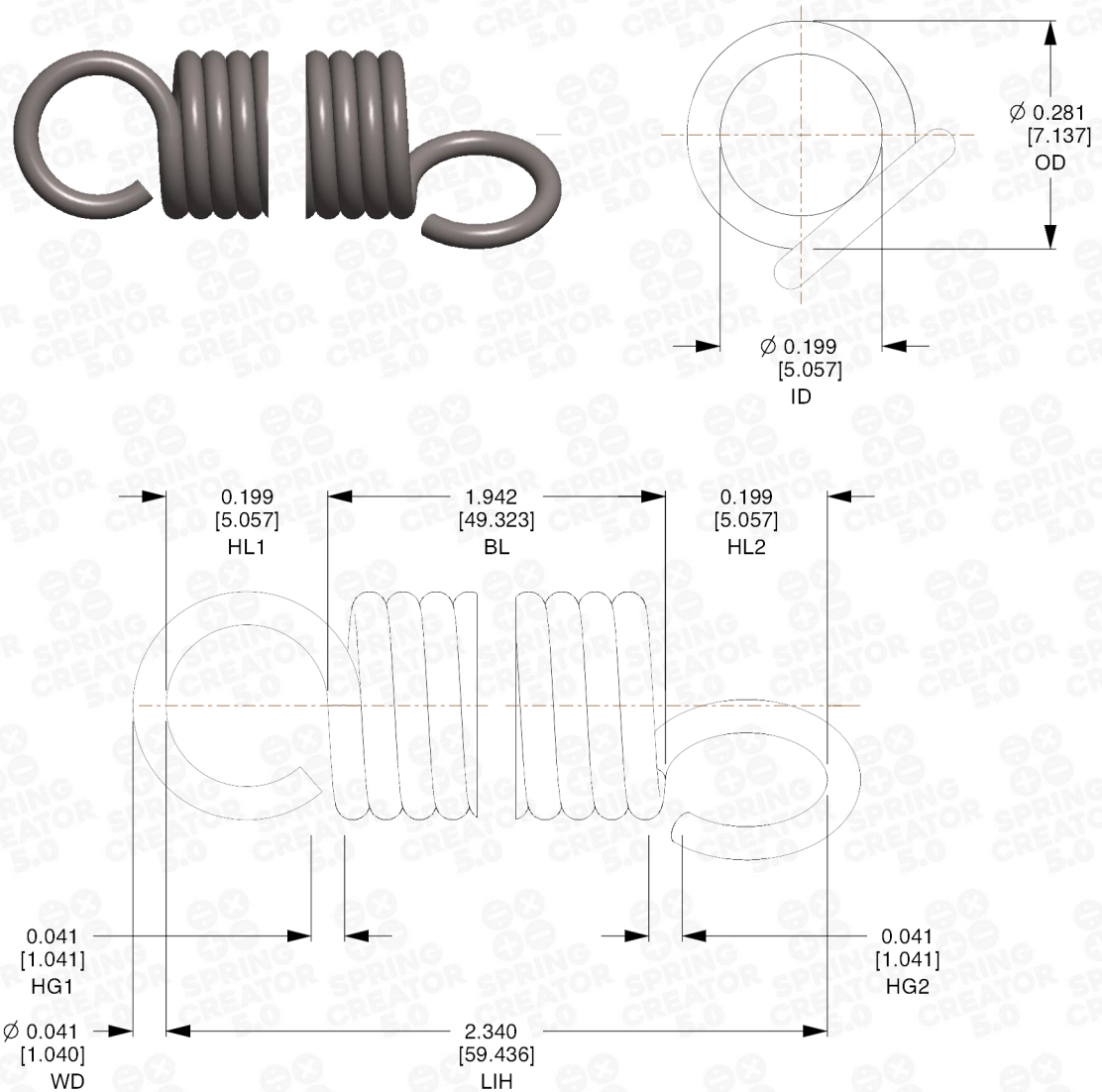
2225 E. Cooley Dr Colton, CA 92324

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Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE041-281-46366-MW-2340-SH-N-IN
Spring Type: Extension Spring	End Type: Side Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 5.854
Weight / M: 13.829 Lbs	Length of W: 36.865 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.041 in	[1.041 mm]	+/- 0.001
Outer Diameter (OD)	0.281 in	[7.137 mm]	+/- 0.008
Mean Diameter (MD)	0.240 in	[6.096 mm]	+/- 0.008
Inner Diameter (ID)	0.199 in	[5.055 mm]	+/- 0.008
Length Inside Hooks (LIH)	2.340 in	[59.436 mm]	+/- 0.100
Body Length (BL)	1.942 in	[49.327 mm]	+/- 0.050
Hook Gap 1 (HG1)	0.041 in	[1.041 mm]	
Hook Gap 2 (HG2)	0.041 in	[1.041 mm]	
Hook Length 1 (HL1)	0.199 in	[5.055 mm]	
Hook Length 2 (HL2)	0.199 in	[5.055 mm]	
Total Hook Length (THL)	0.398 in	[10.109 mm]	

Spring Rate (K)	6.33353 lbs/in	1.109 N/mm	+/- 0.633
Max Load (ML)	10.321 lbf	45.910 N	+/- 1.032
Max Travel (MT)	1.302 in	33.058 mm	
Initial Tension (IT)	2.078 lbf	9.243 N	
Max Shear Stress Possible (t max)	148050.000 PSI	1020768817.229 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.260	1.260	



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

Notes	Scale: 4.270	Revision #:	Drawn By:	Approved By:
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