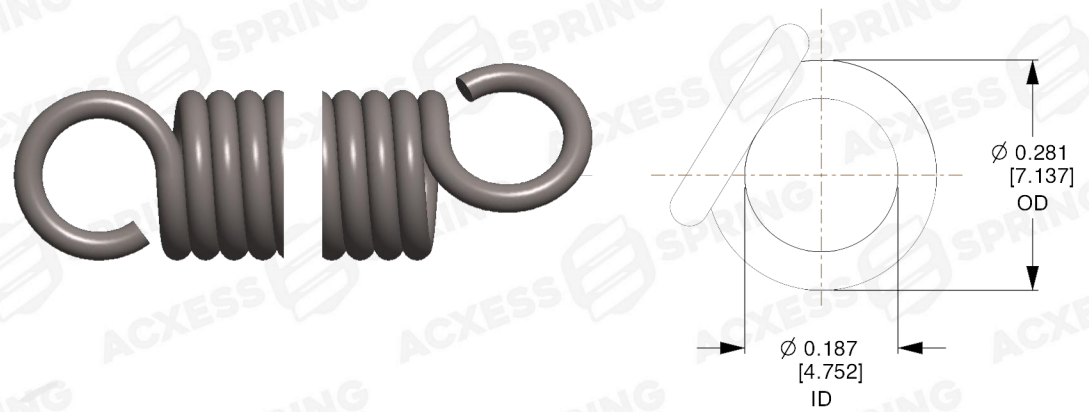
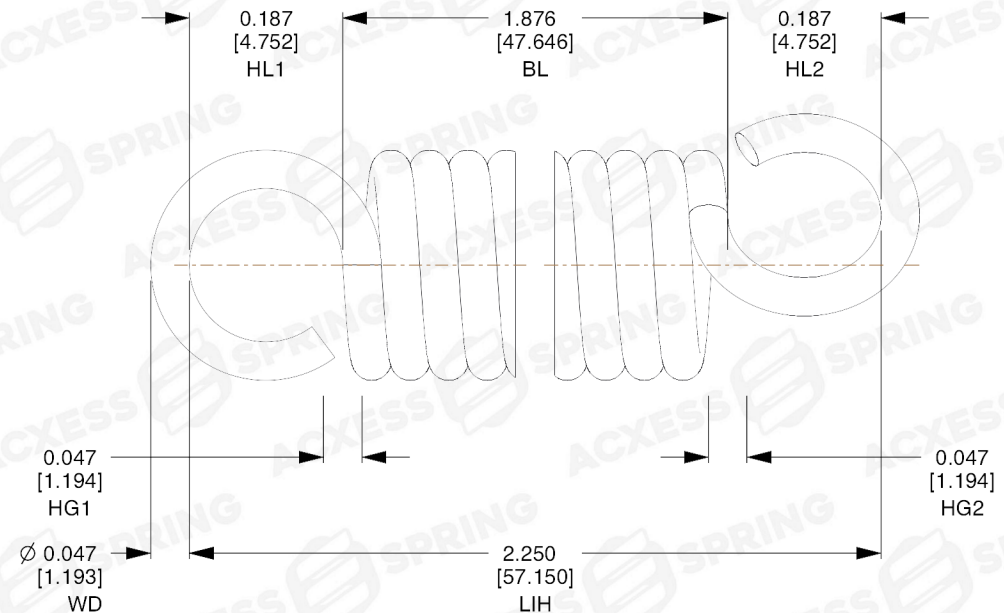


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE047-281-38915-MW-2250-SH-N-IN
Spring Type: Extension Spring	End Type: Side Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 4.979
Weight / M: 15.012 Lbs	Length of W: 30.452 in



Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.047 in	[1.194 mm]	+/- 0.001
Outer Diameter (OD)	0.281 in	[7.137 mm]	+/- 0.008
Mean Diameter (MD)	0.234 in	[5.944 mm]	+/- 0.008
Inner Diameter (ID)	0.187 in	[4.750 mm]	+/- 0.008
Length Inside Hooks (LIH)	2.250 in	[57.150 mm]	+/- 0.100
Body Length (BL)	1.876 in	[47.650 mm]	+/- 0.050
Hook Gap 1 (HG1)	0.047 in	[1.194 mm]	
Hook Gap 2 (HG2)	0.047 in	[1.194 mm]	
Hook Length 1 (HL1)	0.187 in	[4.750 mm]	
Hook Length 2 (HL2)	0.187 in	[4.750 mm]	
Total Hook Length (THL)	0.374 in	[9.500 mm]	

Spring Rate (K)	14.05951 lbs/in	2.462 N/mm	+/- 1.406
Max Load (ML)	14.702 lbf	65.398 N	+/- 1.470
Max Travel (MT)	0.797 in	20.244 mm	
Initial Tension (IT)	3.497 lbf	15.555 N	
Max Shear Stress Possible (t max)	145230.000 PSI	1001325601.662 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.312	1.312	



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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