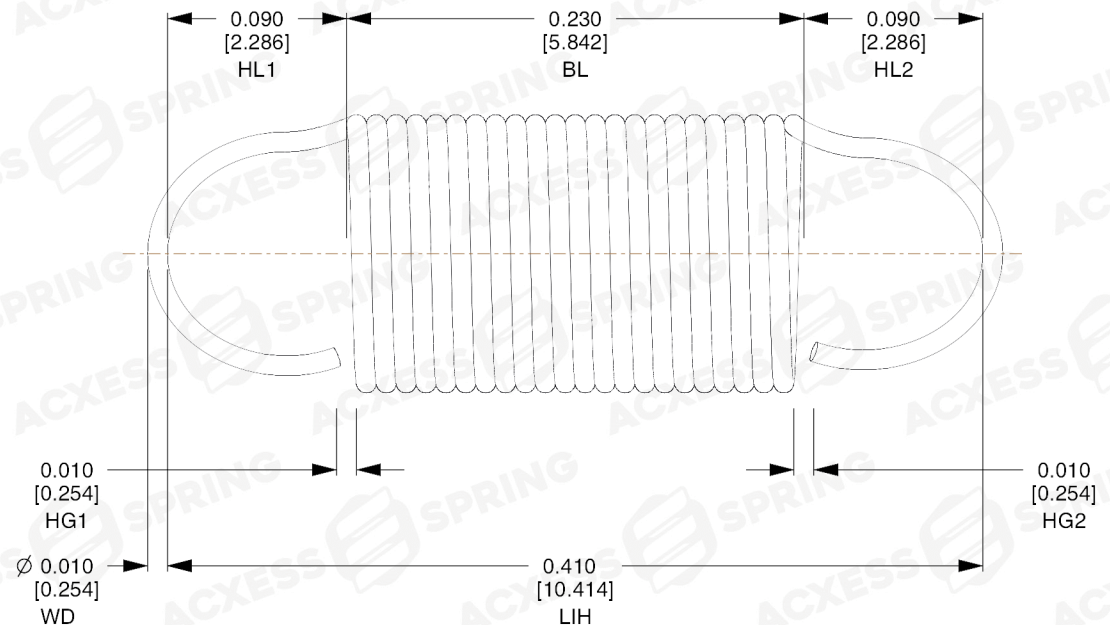
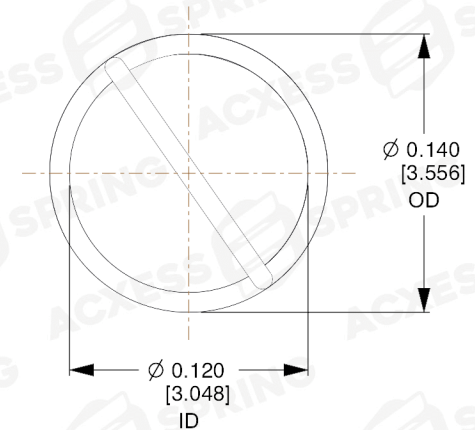
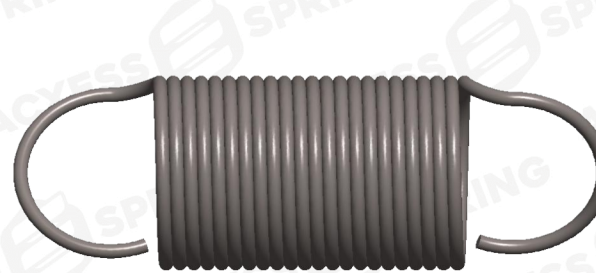


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE010-140-22000-MW-0410-MH-N-IN 🔗
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 13.000
Weight / M: 0.213 Lbs	Length of W: 9.547 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.010 in	[0.254 mm]	+/- 0.001
Outer Diameter (OD)	0.140 in	[3.556 mm]	+/- 0.005
Mean Diameter (MD)	0.130 in	[3.302 mm]	+/- 0.005
Inner Diameter (ID)	0.120 in	[3.048 mm]	+/- 0.005
Length Inside Hooks (LIH)	0.410 in	[10.414 mm]	+/- 0.015
Body Length (BL)	0.230 in	[5.842 mm]	+/- 0.015
Hook Gap 1 (HG1)	0.010 in	[0.254 mm]	
Hook Gap 2 (HG2)	0.010 in	[0.254 mm]	
Hook Length 1 (HL1)	0.090 in	[2.286 mm]	
Hook Length 2 (HL2)	0.090 in	[2.286 mm]	
Total Hook Length (THL)	0.180 in	[4.572 mm]	

Spring Rate (K)	0.29723 lbs/in	0.052 N/mm	+/- 0.030
Max Load (ML)	0.406 lbf	1.805 N	+/- 0.041
Max Travel (MT)	1.276 in	32.408 mm	
Initial Tension (IT)	0.027 lbf	0.118 N	
Max Shear Stress Possible (t max)	181890.000 PSI	1254087404.024 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.110	1.110	



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

Notes	Scale: 10.357	Revision #:	Drawn By:	Approved By:
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