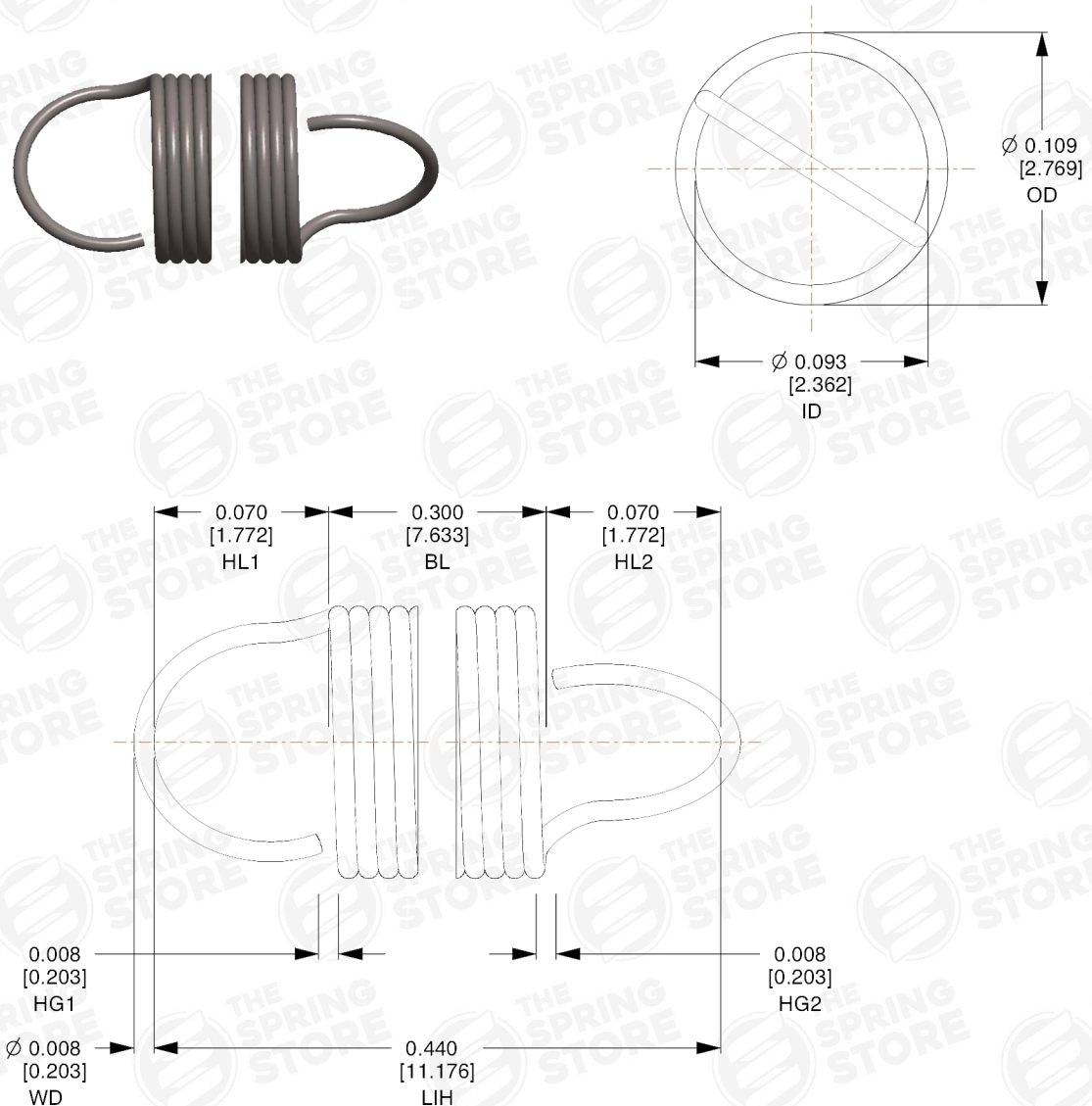


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE008-109-36563-MW-0440-MH-N-IN 
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 12.625
Weight / M: 0.172 Lbs	Length of W: 12.038 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.008 in	[0.203 mm]	+/- 0.001
Outer Diameter (OD)	0.109 in	[2.769 mm]	+/- 0.005
Mean Diameter (MD)	0.101 in	[2.565 mm]	+/- 0.005
Inner Diameter (ID)	0.093 in	[2.362 mm]	+/- 0.005
Length Inside Hooks (LIH)	0.440 in	[11.176 mm]	+/- 0.015
Body Length (BL)	0.300 in	[7.620 mm]	+/- 0.015
Hook Gap 1 (HG1)	0.008 in	[0.203] mm	
Hook Gap 2 (HG2)	0.008 in	[0.203] mm	
Hook Length 1 (HL1)	0.070 in	[1.778] mm	
Hook Length 2 (HL2)	0.070 in	[1.778] mm	
Total Hook Length (THL)	0.140 in	[3.556] mm	

Spring Rate (K)	0.15648 lbs/in	0.027 N/mm	+/- 0.016
Max Load (ML)	0.275 lbf	1.223 N	+/- 0.028
Max Travel (MT)	1.643 in	41.722 mm	
Initial Tension (IT)	0.018 lbf	0.080 N	
Max Shear Stress Possible (t max)	187530.000 PSI	1292973835.156 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.113	1.113	



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

Notes	Scale: 13.303	Revision #:	Drawn By:	Approved By:
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