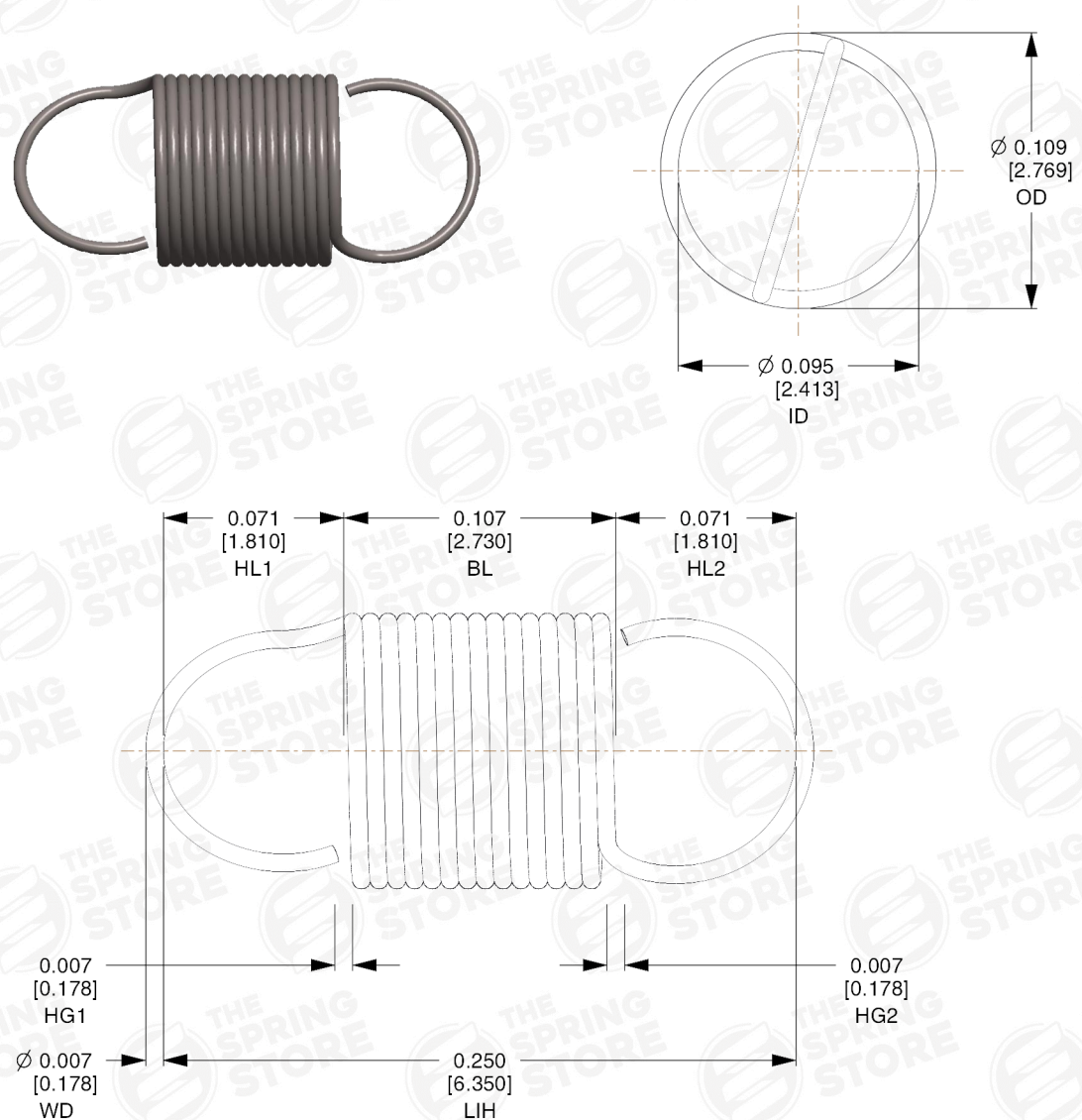


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE007-109-14358-MW-0250-MH-N-IN 
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 14.571
Weight / M: 0.055 Lbs	Length of W: 5.042 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.007 in	[0.178 mm]	+/- 0.001
Outer Diameter (OD)	0.109 in	[2.769 mm]	+/- 0.005
Mean Diameter (MD)	0.102 in	[2.591 mm]	+/- 0.005
Inner Diameter (ID)	0.095 in	[2.413 mm]	+/- 0.005
Length Inside Hooks (LIH)	0.250 in	[6.350 mm]	+/- 0.015
Body Length (BL)	0.107 in	[2.718 mm]	+/- 0.015
Hook Gap 1 (HG1)	0.007 in	[0.178] mm	
Hook Gap 2 (HG2)	0.007 in	[0.178] mm	
Hook Length 1 (HL1)	0.071 in	[1.803] mm	
Hook Length 2 (HL2)	0.071 in	[1.803] mm	
Total Hook Length (THL)	0.143 in	[3.632] mm	

Spring Rate (K)	0.22753 lbs/in	0.040 N/mm	+/- 0.023
Max Load (ML)	0.188 lbf	0.837 N	+/- 0.019
Max Travel (MT)	0.786 in	19.954 mm	
Initial Tension (IT)	0.009 lbf	0.042 N	
Max Shear Stress Possible (t max)	191290.000 PSI	1318898122.578 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.097	1.097	



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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