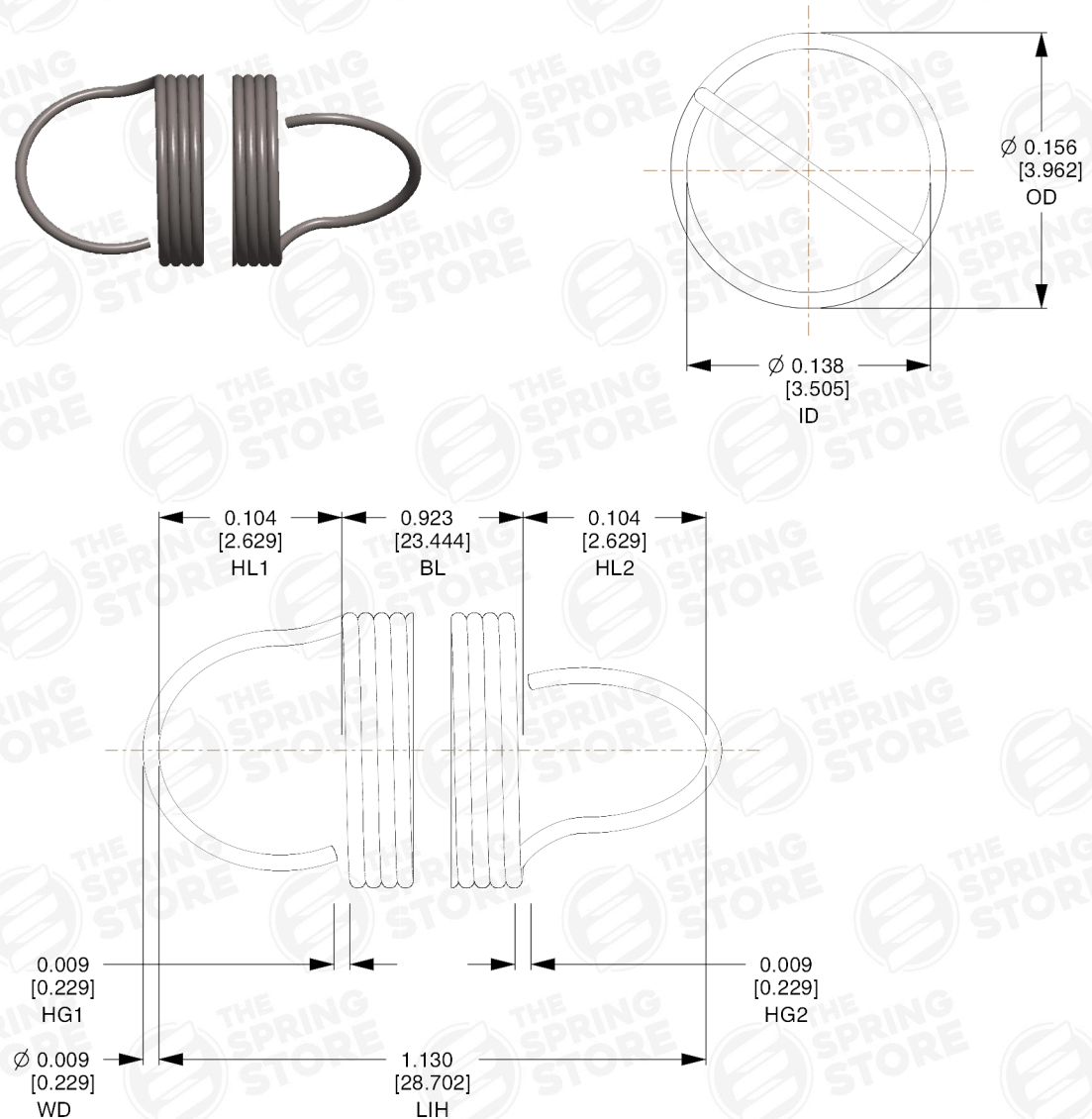


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE009-156-101556-MW-1130-MH-N-IN ↗
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 16.333
Weight / M: 0.859 Lbs	Length of W: 47.535 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.009 in	[0.229 mm]	+/- 0.001
Outer Diameter (OD)	0.156 in	[3.962 mm]	+/- 0.005
Mean Diameter (MD)	0.147 in	[3.734 mm]	+/- 0.005
Inner Diameter (ID)	0.138 in	[3.505 mm]	+/- 0.005
Length Inside Hooks (LIH)	1.130 in	[28.702 mm]	+/- 0.050
Body Length (BL)	0.923 in	[23.444 mm]	+/- 0.025
Hook Gap 1 (HG1)	0.009 in	[0.229] mm	
Hook Gap 2 (HG2)	0.009 in	[0.229] mm	
Hook Length 1 (HL1)	0.104 in	[2.642] mm	
Hook Length 2 (HL2)	0.104 in	[2.642] mm	
Total Hook Length (THL)	0.207 in	[5.258] mm	

Spring Rate (K)	0.02922 lbs/in	0.005 N/mm	+/- 0.003
Max Load (ML)	0.270 lbf	1.202 N	+/- 0.027
Max Travel (MT)	8.848 in	224.752 mm	
Initial Tension (IT)	0.012 lbf	0.052 N	
Max Shear Stress Possible (t max)	184710.000 PSI	1273530619.590 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.087	1.087	



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

Notes	Scale: 9.295	Revision #:	Drawn By:	Approved By:
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