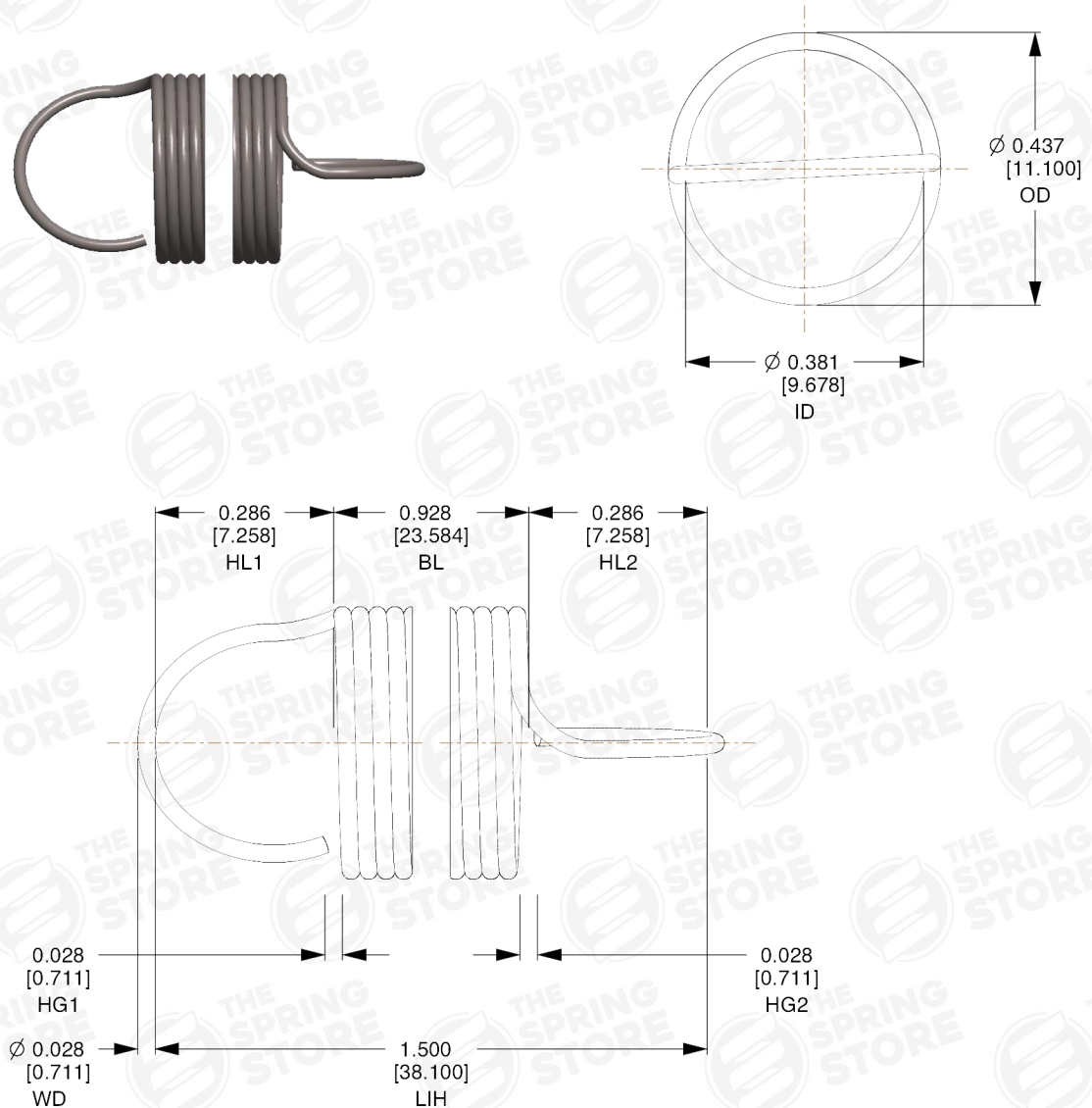


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE028-437-32161-MW-1500-MH-N-IN
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 14.607
Weight / M: 7.539 Lbs	Length of W: 43.091 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.028 in	[0.711 mm]	+/- 0.001
Outer Diameter (OD)	0.437 in	[11.100 mm]	+/- 0.008
Mean Diameter (MD)	0.409 in	[10.389 mm]	+/- 0.008
Inner Diameter (ID)	0.381 in	[9.677 mm]	+/- 0.008
Length Inside Hooks (LIH)	1.500 in	[38.100 mm]	+/- 0.050
Body Length (BL)	0.928 in	[23.571 mm]	+/- 0.025
Hook Gap 1 (HG1)	0.028 in	[0.711 mm]	
Hook Gap 2 (HG2)	0.028 in	[0.711 mm]	
Hook Length 1 (HL1)	0.286 in	[7.264 mm]	
Hook Length 2 (HL2)	0.286 in	[7.264 mm]	
Total Hook Length (THL)	0.572 in	[14.529 mm]	

Spring Rate (K)	0.40153 lbs/in	0.070 N/mm	+/- 0.040
Max Load (ML)	2.488 lbf	11.068 N	+/- 0.249
Max Travel (MT)	5.820 in	147.825 mm	
Initial Tension (IT)	0.151 lbf	0.673 N	
Max Shear Stress Possible (t max)	158390.000 PSI	1092060607.638 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: 3.318	Revision #:	Drawn By:	Approved By:
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