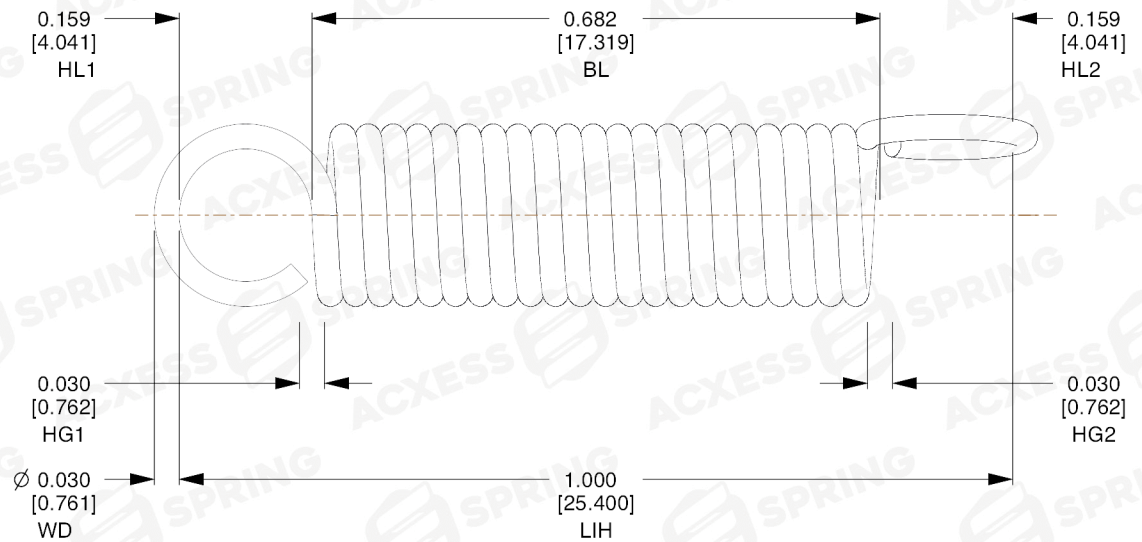
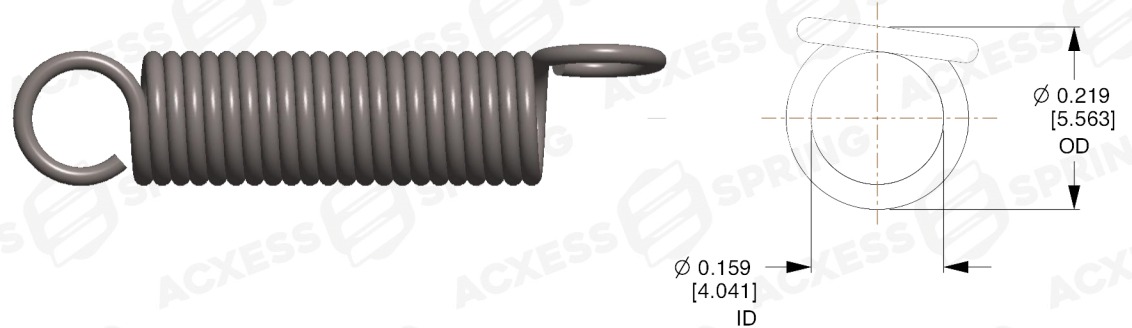


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE030-219-21733-MW-1000-SH-N-IN 
Spring Type: Extension Spring	End Type: Side Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 6.300
Weight / M: 2.894 Lbs	Length of W: 14.410 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.030 in	[0.762 mm]	+/- 0.001
Outer Diameter (OD)	0.219 in	[5.563 mm]	+/- 0.005
Mean Diameter (MD)	0.189 in	[4.801 mm]	+/- 0.005
Inner Diameter (ID)	0.159 in	[4.039 mm]	+/- 0.005
Length Inside Hooks (LIH)	1.000 in	[25.400 mm]	+/- 0.025
Body Length (BL)	0.682 in	[17.323 mm]	+/- 0.025
Hook Gap 1 (HG1)	0.030 in	[0.762] mm	
Hook Gap 2 (HG2)	0.030 in	[0.762] mm	
Hook Length 1 (HL1)	0.159 in	[4.039] mm	
Hook Length 2 (HL2)	0.159 in	[4.039] mm	
Total Hook Length (THL)	0.318 in	[8.077] mm	

Spring Rate (K)	7.93077 lbs/in	1.389 N/mm	+/- 0.793
Max Load (ML)	5.554 lbf	24.704 N	+/- 0.555
Max Travel (MT)	0.579 in	14.717 mm	
Initial Tension (IT)	0.959 lbf	4.264 N	
Max Shear Stress Possible (t max)	156510.000 PSI	1079098463.927 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.239	1.239	



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

Notes	Scale: 4.340	Revision #:	Drawn By:	Approved By:
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