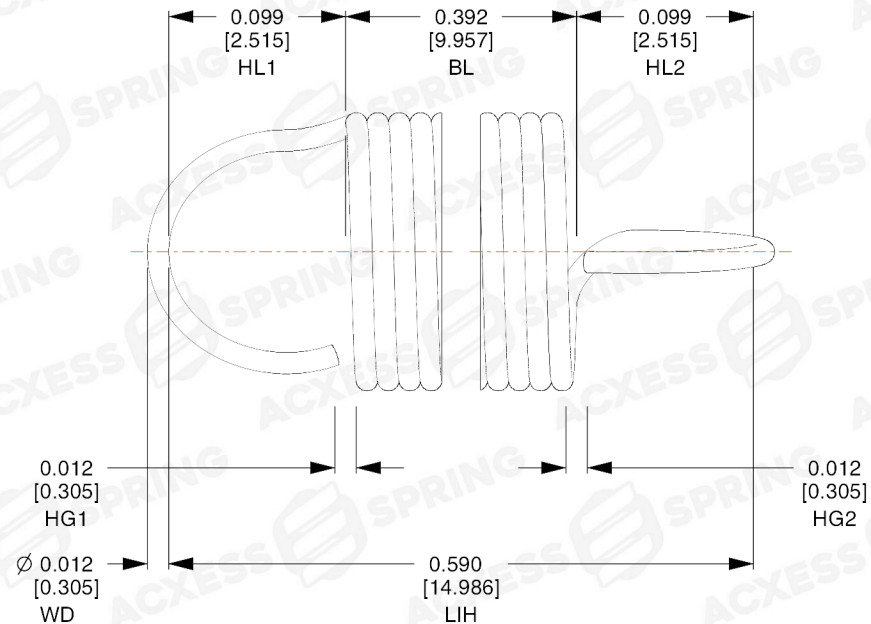
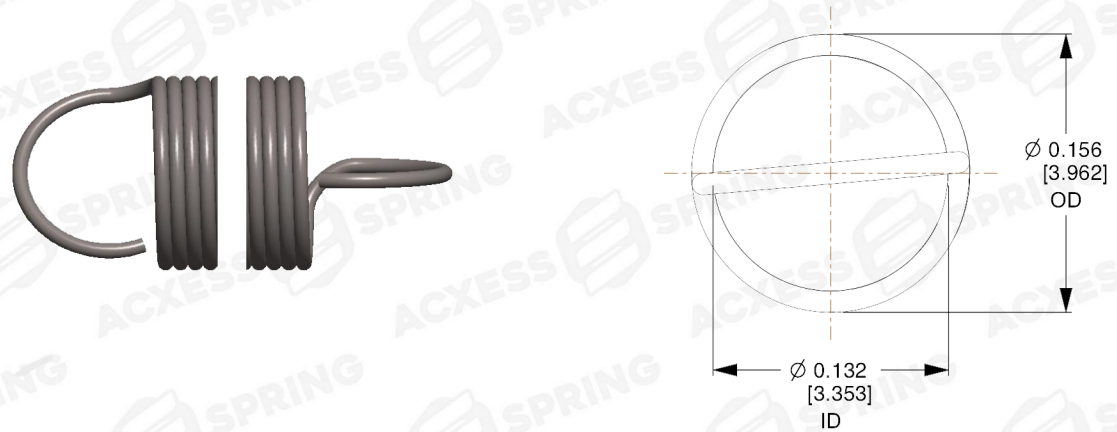


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE012-156-31667-MW-0590-MH-N-IN Link
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 12.000
Weight / M: 0.480 Lbs	Length of W: 14.948 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.012 in	[0.305 mm]	+/- 0.001
Outer Diameter (OD)	0.156 in	[3.962 mm]	+/- 0.005
Mean Diameter (MD)	0.144 in	[3.658 mm]	+/- 0.005
Inner Diameter (ID)	0.132 in	[3.353 mm]	+/- 0.005
Length Inside Hooks (LIH)	0.590 in	[14.986 mm]	+/- 0.025
Body Length (BL)	0.392 in	[9.957 mm]	+/- 0.015
Hook Gap 1 (HG1)	0.012 in	[0.305] mm	
Hook Gap 2 (HG2)	0.012 in	[0.305] mm	
Hook Length 1 (HL1)	0.099 in	[2.515] mm	
Hook Length 2 (HL2)	0.099 in	[2.515] mm	
Total Hook Length (THL)	0.198 in	[5.029] mm	

Spring Rate (K)	0.31505 lbs/in	0.055 N/mm	+/- 0.032
Max Load (ML)	0.612 lbf	2.724 N	+/- 0.061
Max Travel (MT)	1.800 in	45.728 mm	
Initial Tension (IT)	0.045 lbf	0.201 N	
Max Shear Stress Possible (t max)	177190.000 PSI	1221682044.747 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.119	1.119	



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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