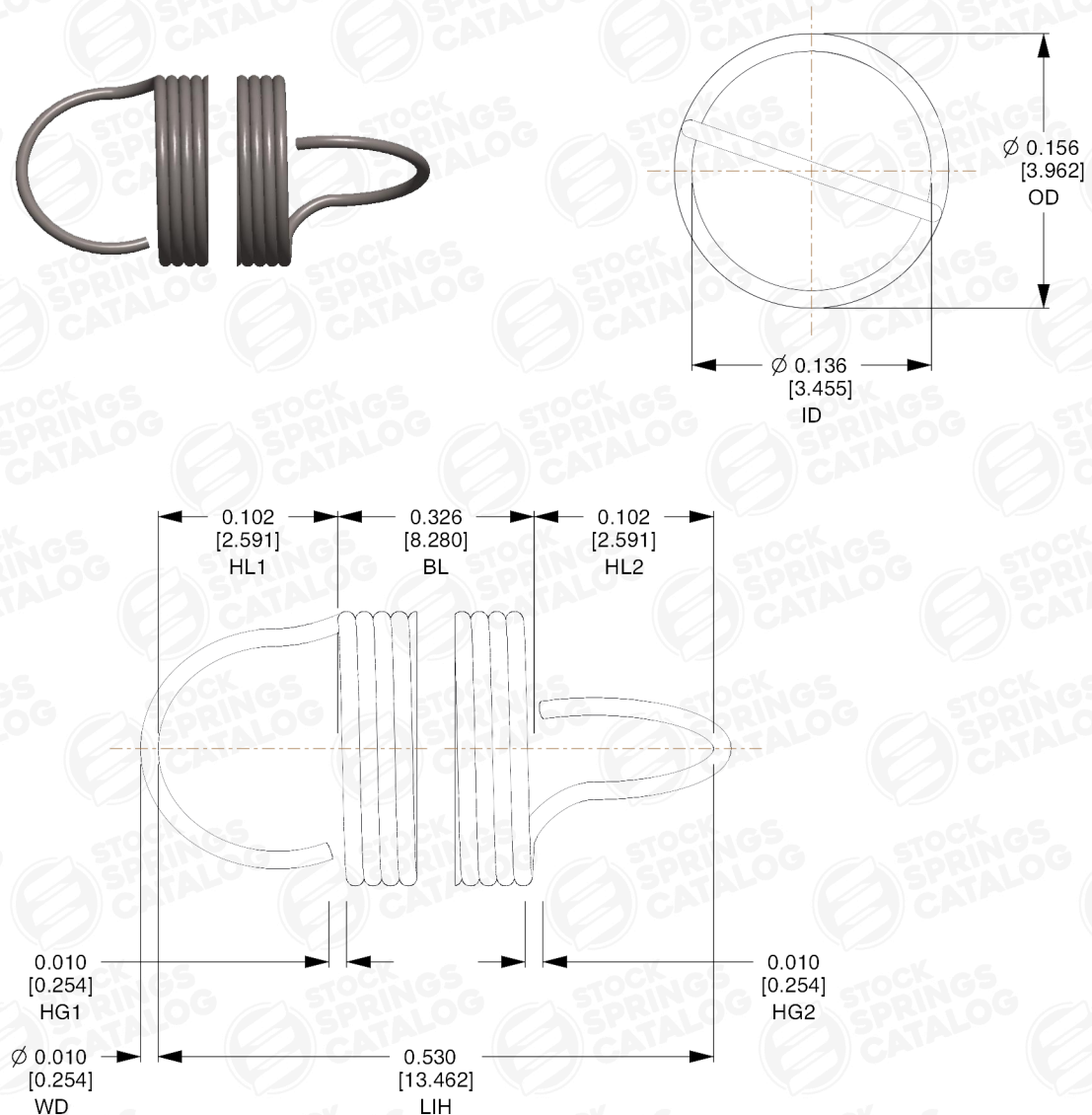


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE010-156-31600-MW-0530-MH-N-IN 
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 14.600
Weight / M: 0.338 Lbs	Length of W: 15.125 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.010 in	[0.254 mm]	+/- 0.001
Outer Diameter (OD)	0.156 in	[3.962 mm]	+/- 0.005
Mean Diameter (MD)	0.146 in	[3.708 mm]	+/- 0.005
Inner Diameter (ID)	0.136 in	[3.454 mm]	+/- 0.005
Length Inside Hooks (LIH)	0.530 in	[13.462 mm]	+/- 0.025
Body Length (BL)	0.326 in	[8.280 mm]	+/- 0.015
Hook Gap 1 (HG1)	0.010 in	[0.254] mm	
Hook Gap 2 (HG2)	0.010 in	[0.254] mm	
Hook Length 1 (HL1)	0.102 in	[2.591] mm	
Hook Length 2 (HL2)	0.102 in	[2.591] mm	
Total Hook Length (THL)	0.204 in	[5.182] mm	

Spring Rate (K)	0.14608 lbs/in	0.026 N/mm	+/- 0.015
Max Load (ML)	0.365 lbf	1.622 N	+/- 0.036
Max Travel (MT)	2.364 in	60.041 mm	
Initial Tension (IT)	0.019 lbf	0.086 N	
Max Shear Stress Possible (t max)	181890.000 PSI	1254087404.024 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: 9.295	Revision #:	Drawn By:	Approved By:
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