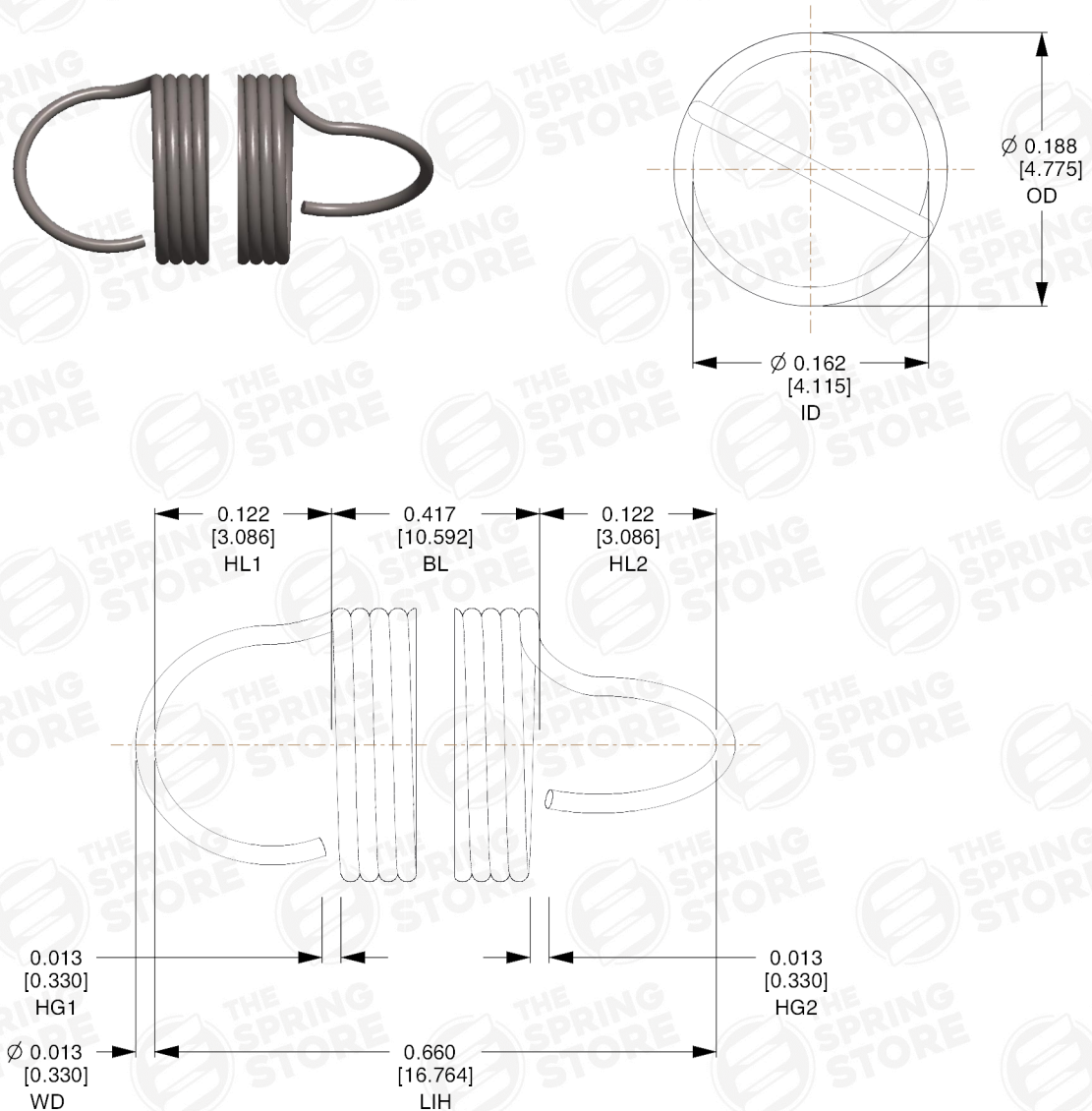


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE013-188-31077-MW-0660-MH-N-IN 
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 13.462
Weight / M: 0.673 Lbs	Length of W: 17.841 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.013 in	[0.330 mm]	+/- 0.001
Outer Diameter (OD)	0.188 in	[4.775 mm]	+/- 0.005
Mean Diameter (MD)	0.175 in	[4.445 mm]	+/- 0.005
Inner Diameter (ID)	0.162 in	[4.115 mm]	+/- 0.005
Length Inside Hooks (LIH)	0.660 in	[16.764 mm]	+/- 0.025
Body Length (BL)	0.417 in	[10.592 mm]	+/- 0.015
Hook Gap 1 (HG1)	0.013 in	[0.330] mm	
Hook Gap 2 (HG2)	0.013 in	[0.330] mm	
Hook Length 1 (HL1)	0.121 in	[3.073] mm	
Hook Length 2 (HL2)	0.121 in	[3.073] mm	
Total Hook Length (THL)	0.243 in	[6.172] mm	

Spring Rate (K)	0.24636 lbs/in	0.043 N/mm	+/- 0.025
Max Load (ML)	0.640 lbf	2.848 N	+/- 0.064
Max Travel (MT)	2.429 in	61.692 mm	
Initial Tension (IT)	0.042 lbf	0.186 N	
Max Shear Stress Possible (t max)	175310.000 PSI	1208719901.036 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.106	1.106	



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

Notes	Scale: 7.713	Revision #:	Drawn By:	Approved By:
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