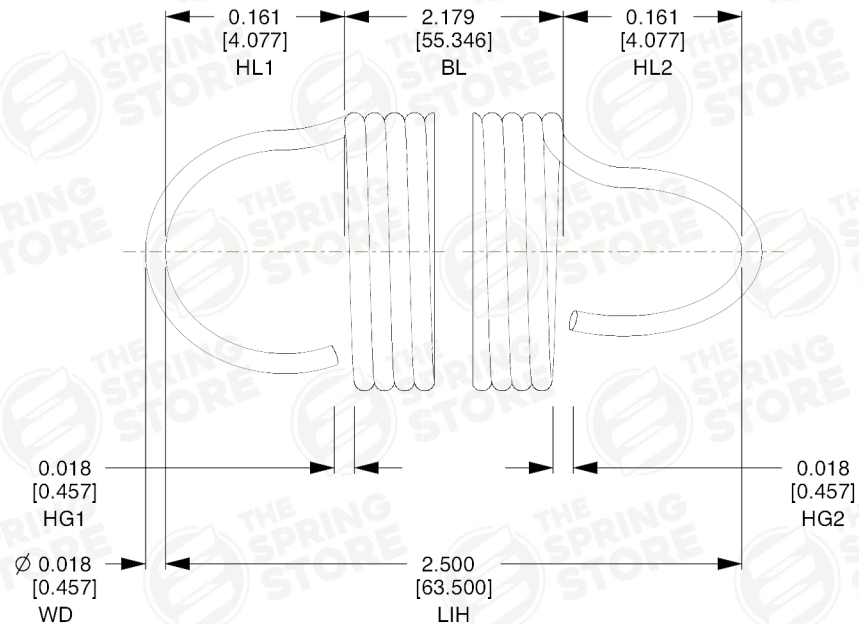
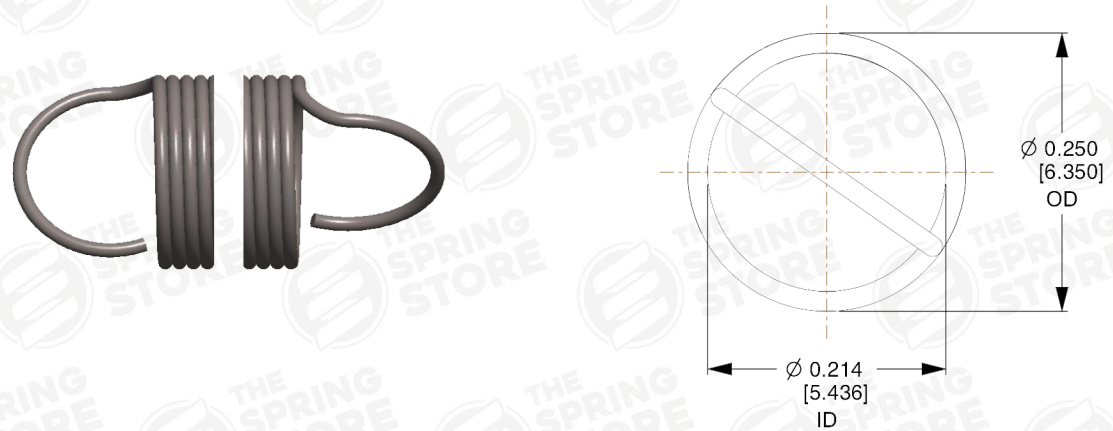


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE018-250-120056-MW-2500-MH-N-IN 
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 12.889
Weight / M: 6.399 Lbs	Length of W: 88.505 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.018 in	[0.457 mm]	+/- 0.001
Outer Diameter (OD)	0.250 in	[6.350 mm]	+/- 0.005
Mean Diameter (MD)	0.232 in	[5.893 mm]	+/- 0.005
Inner Diameter (ID)	0.214 in	[5.436 mm]	+/- 0.005
Length Inside Hooks (LIH)	2.500 in	[63.500 mm]	+/- 0.100
Body Length (BL)	2.179 in	[55.347 mm]	+/- 0.100
Hook Gap 1 (HG1)	0.018 in	[0.457] mm	
Hook Gap 2 (HG2)	0.018 in	[0.457] mm	
Hook Length 1 (HL1)	0.161 in	[4.089] mm	
Hook Length 2 (HL2)	0.161 in	[4.089] mm	
Total Hook Length (THL)	0.321 in	[8.153] mm	

Spring Rate (K)	0.10060 lbs/in	0.018 N/mm	+/- 0.010
Max Load (ML)	1.226 lbf	5.453 N	+/- 0.123
Max Travel (MT)	11.316 in	287.416 mm	
Initial Tension (IT)	0.087 lbf	0.389 N	
Max Shear Stress Possible (t max)	168260.000 PSI	116011862.120 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.111	1.111	



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

Notes	Scale: 5.800	Revision #:	Drawn By:	Approved By:
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