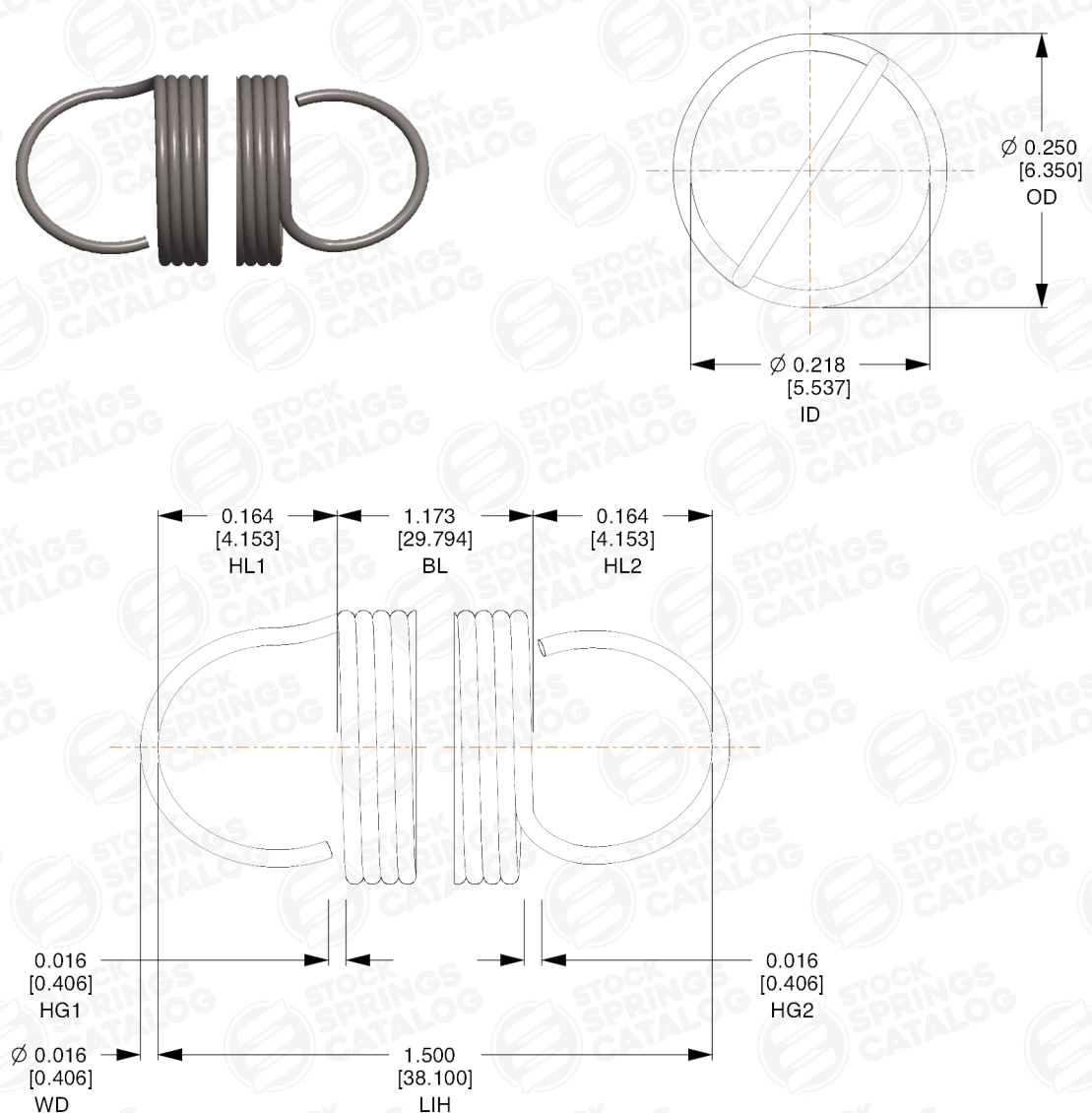


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE016-250-72313-MW-1500-MH-N-IN 
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 14.625
Weight / M: 3.095 Lbs	Length of W: 54.170 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.016 in	[0.406 mm]	+/- 0.001
Outer Diameter (OD)	0.250 in	[6.350 mm]	+/- 0.005
Mean Diameter (MD)	0.234 in	[5.944 mm]	+/- 0.005
Inner Diameter (ID)	0.218 in	[5.537 mm]	+/- 0.005
Length Inside Hooks (LIH)	1.500 in	[38.100 mm]	+/- 0.050
Body Length (BL)	1.173 in	[29.794 mm]	+/- 0.050
Hook Gap 1 (HG1)	0.016 in	[0.406 mm]	
Hook Gap 2 (HG2)	0.016 in	[0.406 mm]	
Hook Length 1 (HL1)	0.164 in	[4.166 mm]	
Hook Length 2 (HL2)	0.164 in	[4.166 mm]	
Total Hook Length (THL)	0.327 in	[8.306 mm]	

Spring Rate (K)	0.10162 lbs/in	0.018 N/mm	+/- 0.010
Max Load (ML)	0.879 lbf	3.910 N	+/- 0.088
Max Travel (MT)	8.165 in	207.388 mm	
Initial Tension (IT)	0.049 lbf	0.219 N	
Max Shear Stress Possible (t max)	171550.000 PSI	1182795613.614 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: 5.800	Revision #:	Drawn By:	Approved By:
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