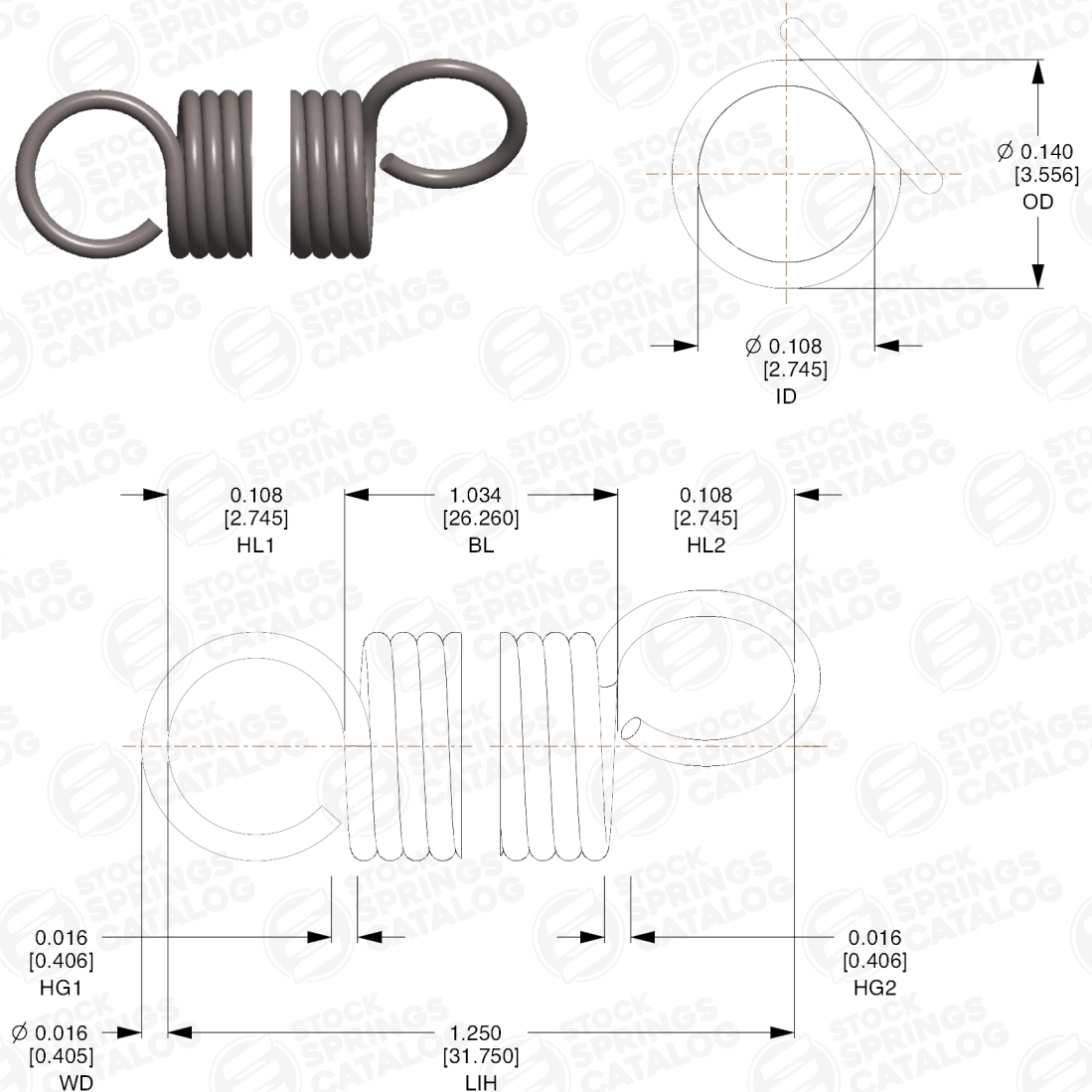


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE016-140-63625-MW-1250-SH-N-IN 
Spring Type: Extension Spring	End Type: Side Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 7.750
Weight / M: 1.473 Lbs	Length of W: 25.781 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.016 in	[0.406 mm]	+/- 0.001
Outer Diameter (OD)	0.140 in	[3.556 mm]	+/- 0.005
Mean Diameter (MD)	0.124 in	[3.150 mm]	+/- 0.005
Inner Diameter (ID)	0.108 in	[2.743 mm]	+/- 0.005
Length Inside Hooks (LIH)	1.250 in	[31.750 mm]	+/- 0.050
Body Length (BL)	1.034 in	[26.264 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)	0.108 in	[2.743] mm	
Hook Length 2 (HL2)	0.108 in	[2.743] mm	
Total Hook Length (THL)	0.216 in	[5.486] mm	

Spring Rate (K)	0.77612 lbs/in	0.136 N/mm	+/- 0.078
Max Load (ML)	1.483 lbf	6.596 N	+/- 0.148
Max Travel (MT)	1.661 in	42.184 mm	
Initial Tension (IT)	0.194 lbf	0.862 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)	1.190	1.190	



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

Notes	Scale: 8.571	Revision #:	Drawn By:	Approved By:
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