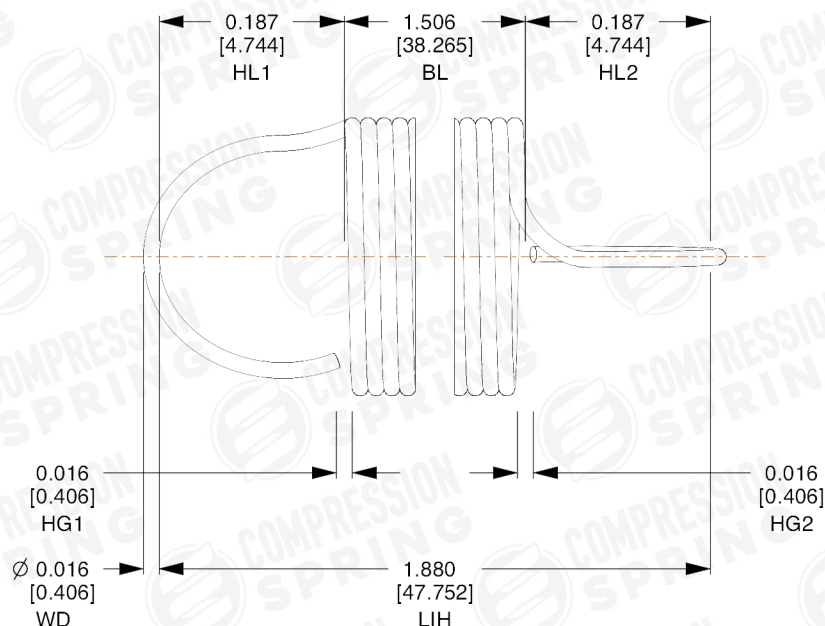
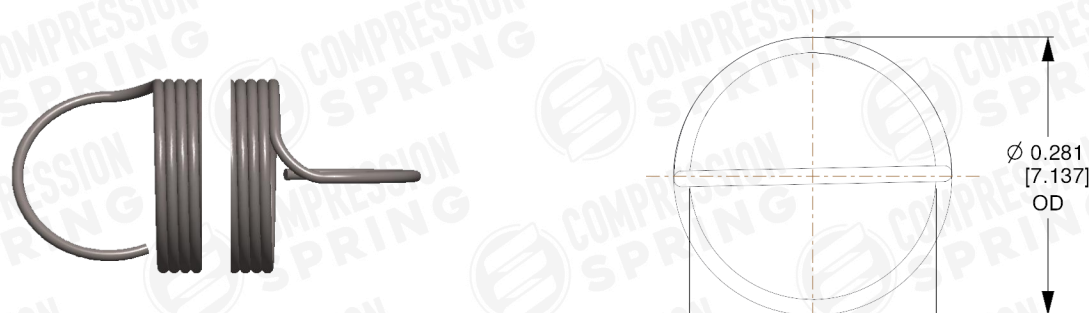


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE016-281-93157-MW-1880-MH-N-IN
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 16.562
Weight / M: 4.496 Lbs	Length of W: 78.700 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.016 in	[0.406 mm]	+/- 0.001
Outer Diameter (OD)	0.281 in	[7.137 mm]	+/- 0.008
Mean Diameter (MD)	0.265 in	[6.731 mm]	+/- 0.008
Inner Diameter (ID)	0.249 in	[6.325 mm]	+/- 0.008
Length Inside Hooks (LIH)	1.880 in	[47.752 mm]	+/- 0.050
Body Length (BL)	1.507 in	[38.278 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)	0.187 in	[4.750] mm	
Hook Length 2 (HL2)	0.187 in	[4.750] mm	
Total Hook Length (THL)	0.373 in	[9.474] mm	

Spring Rate (K)	0.05429 lbs/in	0.010 N/mm	+/- 0.005
Max Load (ML)	0.783 lbf	3.482 N	+/- 0.078
Max Travel (MT)	13.822 in	351.066 mm	
Initial Tension (IT)	0.032 lbf	0.144 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)	1.085	1.085	



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

Notes	Scale: 5.160	Revision #:	Drawn By:	Approved By:
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