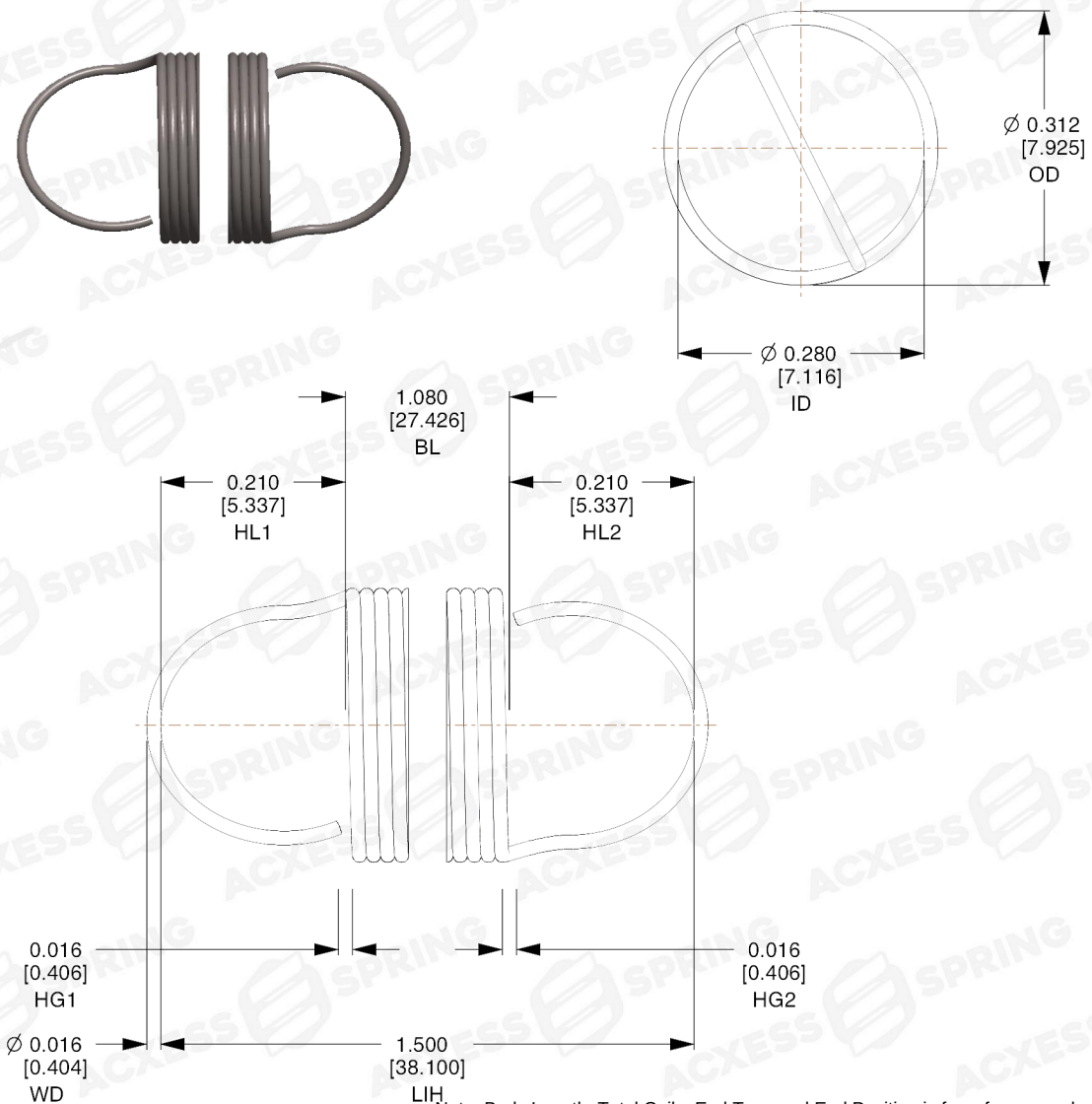


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE016-312-66500-MW-1500-MH-N-IN 
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 18.500
Weight / M: 3.606 Lbs	Length of W: 63.118 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.016 in	[0.406 mm]	+/- 0.001
Outer Diameter (OD)	0.312 in	[7.925 mm]	+/- 0.008
Mean Diameter (MD)	0.296 in	[7.518 mm]	+/- 0.008
Inner Diameter (ID)	0.280 in	[7.112 mm]	+/- 0.008
Length Inside Hooks (LIH)	1.500 in	[38.100 mm]	+/- 0.050
Body Length (BL)	1.080 in	[27.432 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)	0.210 in	[5.334] mm	
Hook Length 2 (HL2)	0.210 in	[5.334] mm	
Total Hook Length (THL)	0.420 in	[10.668] mm	

Spring Rate (K)	0.05459 lbs/in	0.010 N/mm	+/- 0.005
Max Load (ML)	0.705 lbf	3.138 N	+/- 0.070
Max Travel (MT)	12.574 in	319.382 mm	
Initial Tension (IT)	0.019 lbf	0.085 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)	1.076	1.076	



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

Notes	Scale: 4.647	Revision #:	Drawn By:	Approved By:
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