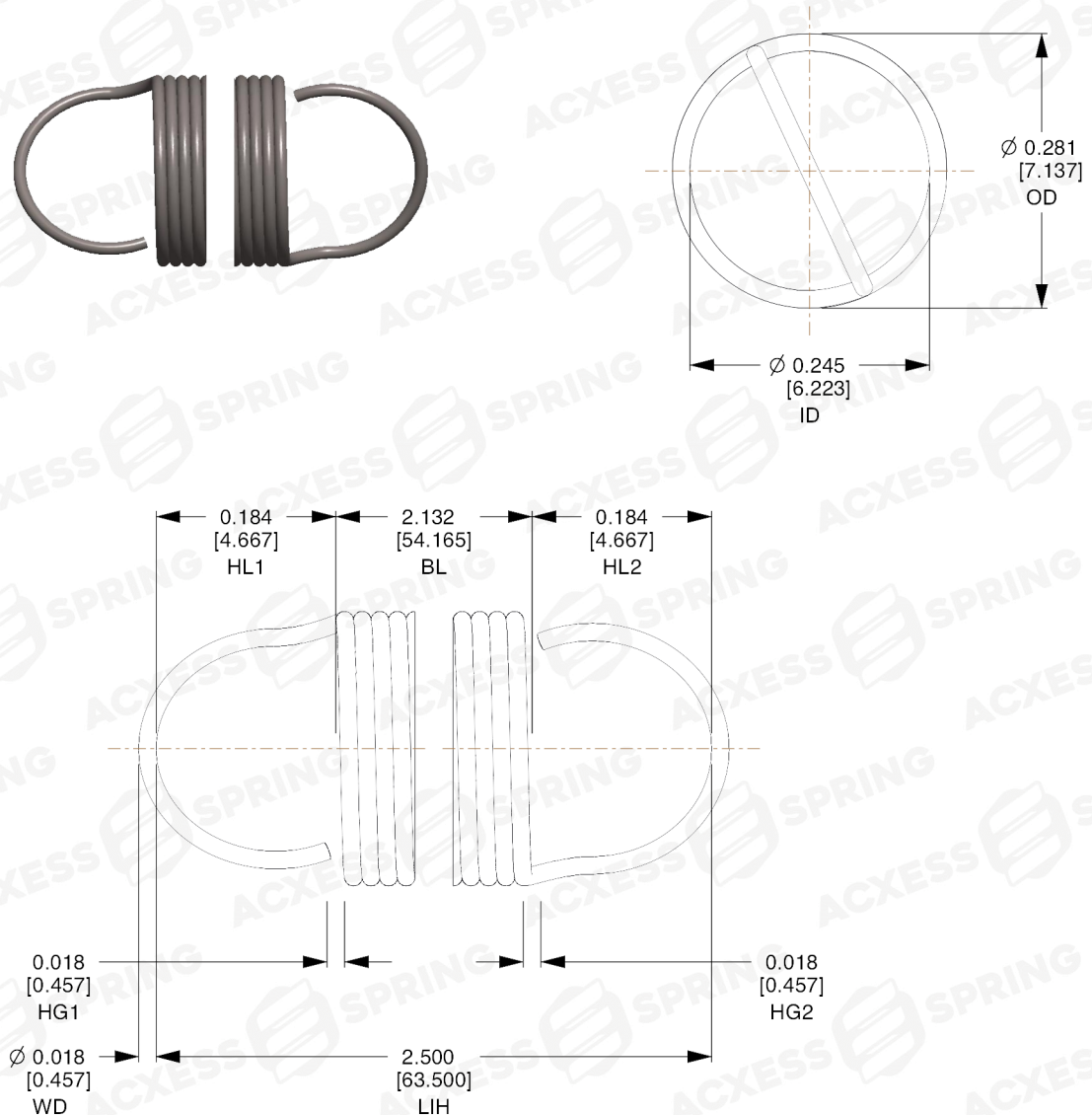


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE018-281-117473-MW-2500-MH-N-IN 
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 14.611
Weight / M: 7.100 Lbs	Length of W: 98.197 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.018 in	[0.457 mm]	+/- 0.001
Outer Diameter (OD)	0.281 in	[7.137 mm]	+/- 0.008
Mean Diameter (MD)	0.263 in	[6.680 mm]	+/- 0.008
Inner Diameter (ID)	0.245 in	[6.223 mm]	+/- 0.008
Length Inside Hooks (LIH)	2.500 in	[63.500 mm]	+/- 0.100
Body Length (BL)	2.133 in	[54.178 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)	0.184 in	[4.674] mm	
Hook Length 2 (HL2)	0.184 in	[4.674] mm	
Total Hook Length (THL)	0.367 in	[9.322] mm	

Spring Rate (K)	0.07055 lbs/in	0.012 N/mm	+/- 0.007
Max Load (ML)	1.092 lbf	4.858 N	+/- 0.109
Max Travel (MT)	14.593 in	370.652 mm	
Initial Tension (IT)	0.062 lbf	0.278 N	
Max Shear Stress Possible (t max)	168260.000 PSI	1160111862.120 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: 5.160	Revision #:	Drawn By:	Approved By:
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