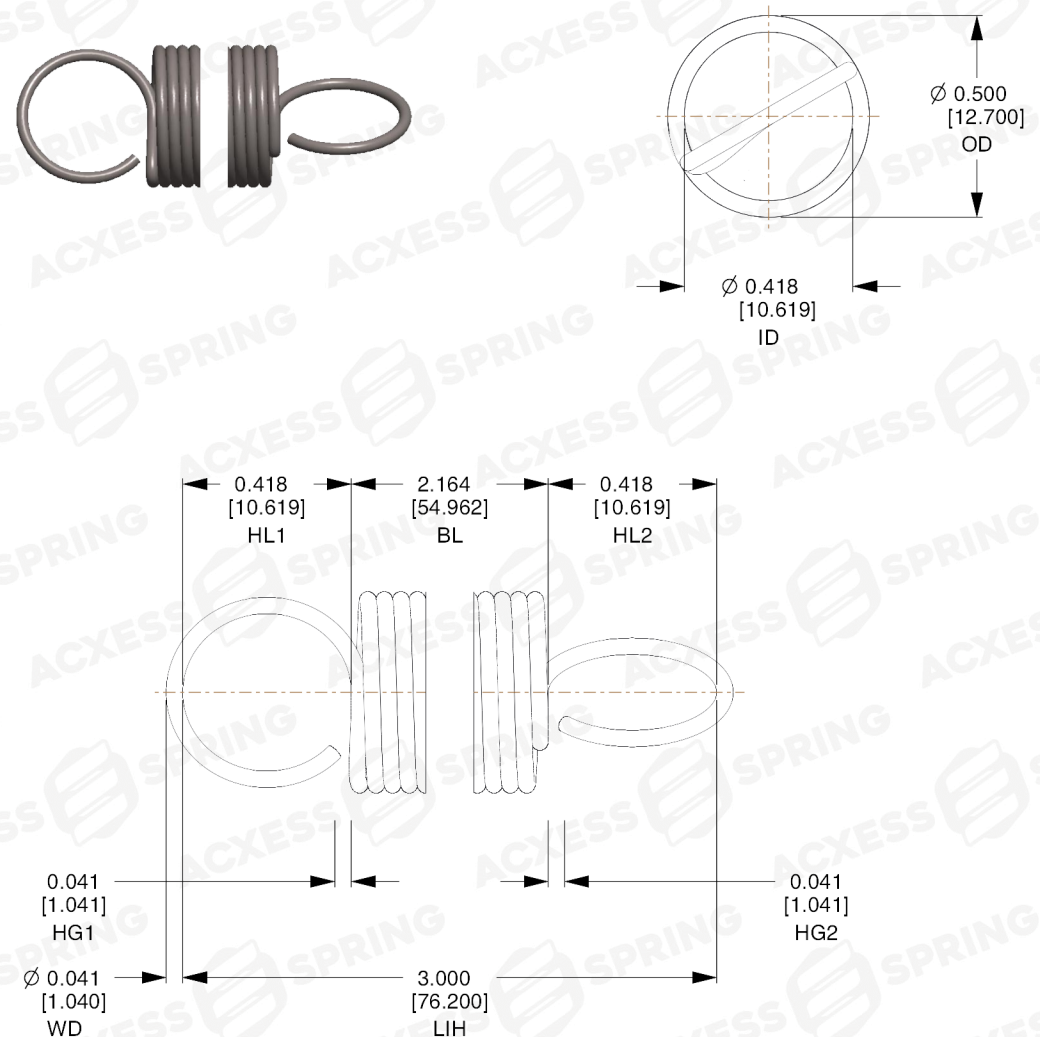


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE041-500-51780-MW-3000-CO-N-IN 
Spring Type: Extension Spring	End Type: Cross-Over Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 11.195
Weight / M: 29.406 Lbs	Length of W: 78.386 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.041 in	[1.041 mm]	+/- 0.001
Outer Diameter (OD)	0.500 in	[12.700 mm]	+/- 0.008
Mean Diameter (MD)	0.459 in	[11.659 mm]	+/- 0.008
Inner Diameter (ID)	0.418 in	[10.617 mm]	+/- 0.008
Length Inside Hooks (LIH)	3.000 in	[76.200 mm]	+/- 0.100
Body Length (BL)	2.164 in	[54.966 mm]	+/- 0.100
Hook Gap 1 (HG1)	0.041 in	[1.041 mm]	
Hook Gap 2 (HG2)	0.041 in	[1.041 mm]	
Hook Length 1 (HL1)	0.418 in	[10.617 mm]	
Hook Length 2 (HL2)	0.418 in	[10.617 mm]	
Total Hook Length (THL)	0.836 in	[21.234 mm]	

Spring Rate (K)	0.81072 lbs/in	0.142 N/mm	+/- 0.081
Max Load (ML)	6.191 lbf	27.538 N	+/- 0.619
Max Travel (MT)	6.880 in	174.739 mm	
Initial Tension (IT)	0.614 lbf	2.729 N	
Max Shear Stress Possible (t max)	148050.000 PSI	1020768817.229 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.129	1.129	



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

Notes	Scale: 2.100	Revision #:	Drawn By:	Approved By:
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