



Force that
EMPOWERS

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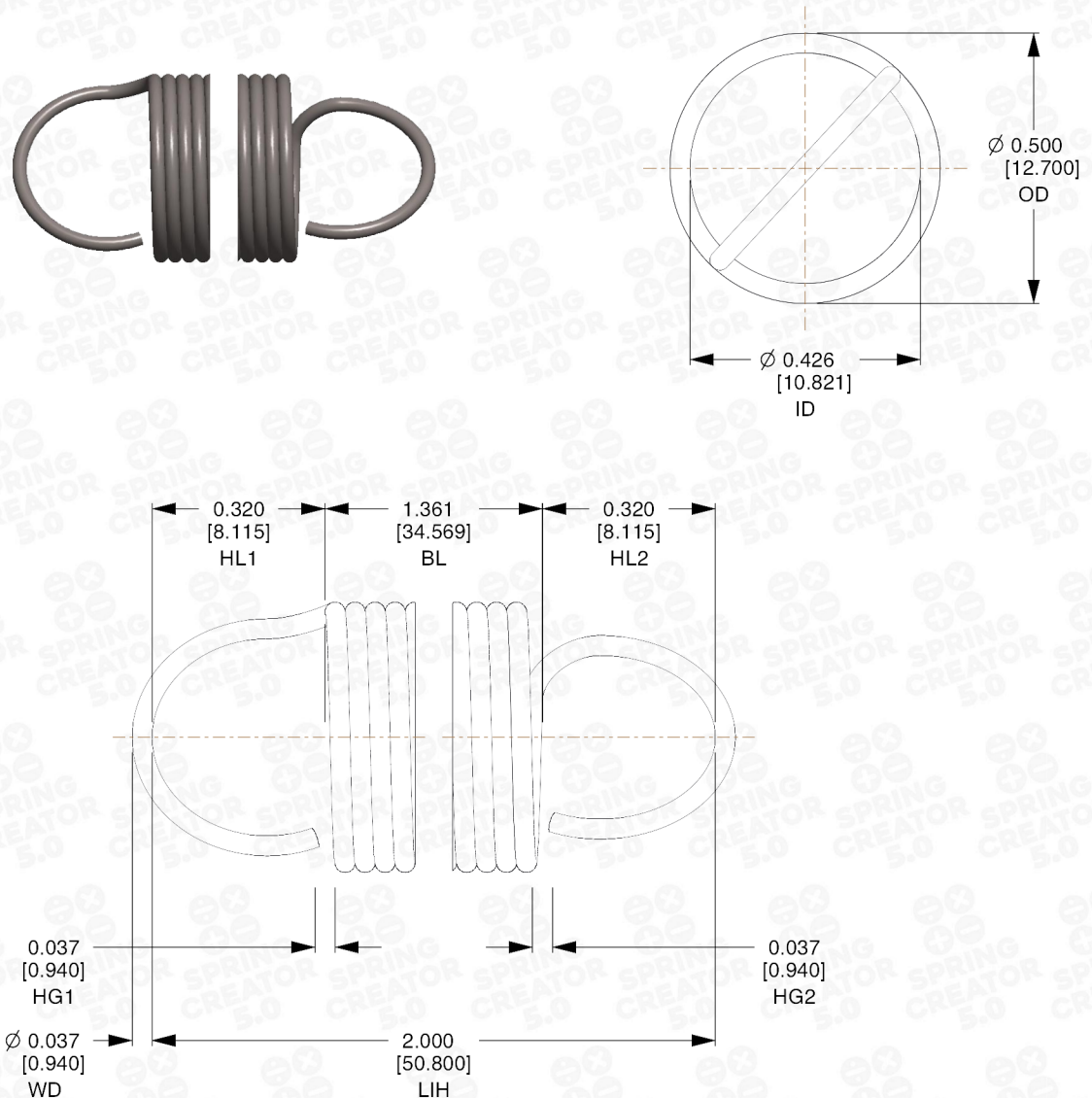
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Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE037-500-35784-MW-2000-MH-N-IN
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 12.514
Weight / M: 16.513 Lbs	Length of W: 54.050 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.037 in	[0.940 mm]	+/- 0.001
Outer Diameter (OD)	0.500 in	[12.700 mm]	+/- 0.008
Mean Diameter (MD)	0.463 in	[11.760 mm]	+/- 0.008
Inner Diameter (ID)	0.426 in	[10.820 mm]	+/- 0.008
Length Inside Hooks (LIH)	2.000 in	[50.800 mm]	+/- 0.050
Body Length (BL)	1.361 in	[34.569 mm]	+/- 0.050
Hook Gap 1 (HG1)	0.037 in	[0.940] mm	
Hook Gap 2 (HG2)	0.037 in	[0.940] mm	
Hook Length 1 (HL1)	0.320 in	[8.128] mm	
Hook Length 2 (HL2)	0.320 in	[8.128] mm	
Total Hook Length (THL)	0.639 in	[16.231] mm	

Spring Rate (K)	0.75809 lbs/in	0.133 N/mm	+/- 0.076
Max Load (ML)	4.771 lbf	21.225 N	+/- 0.477
Max Travel (MT)	5.777 in	146.741 mm	
Initial Tension (IT)	0.392 lbf	1.743 N	
Max Shear Stress Possible (t max)	150870.000 PSI	1040212032.795 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.114	1.114	



Notes	Scale: 2.900	Revision #:	Drawn By:	Approved By:
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