



Force that
EMPOWERS

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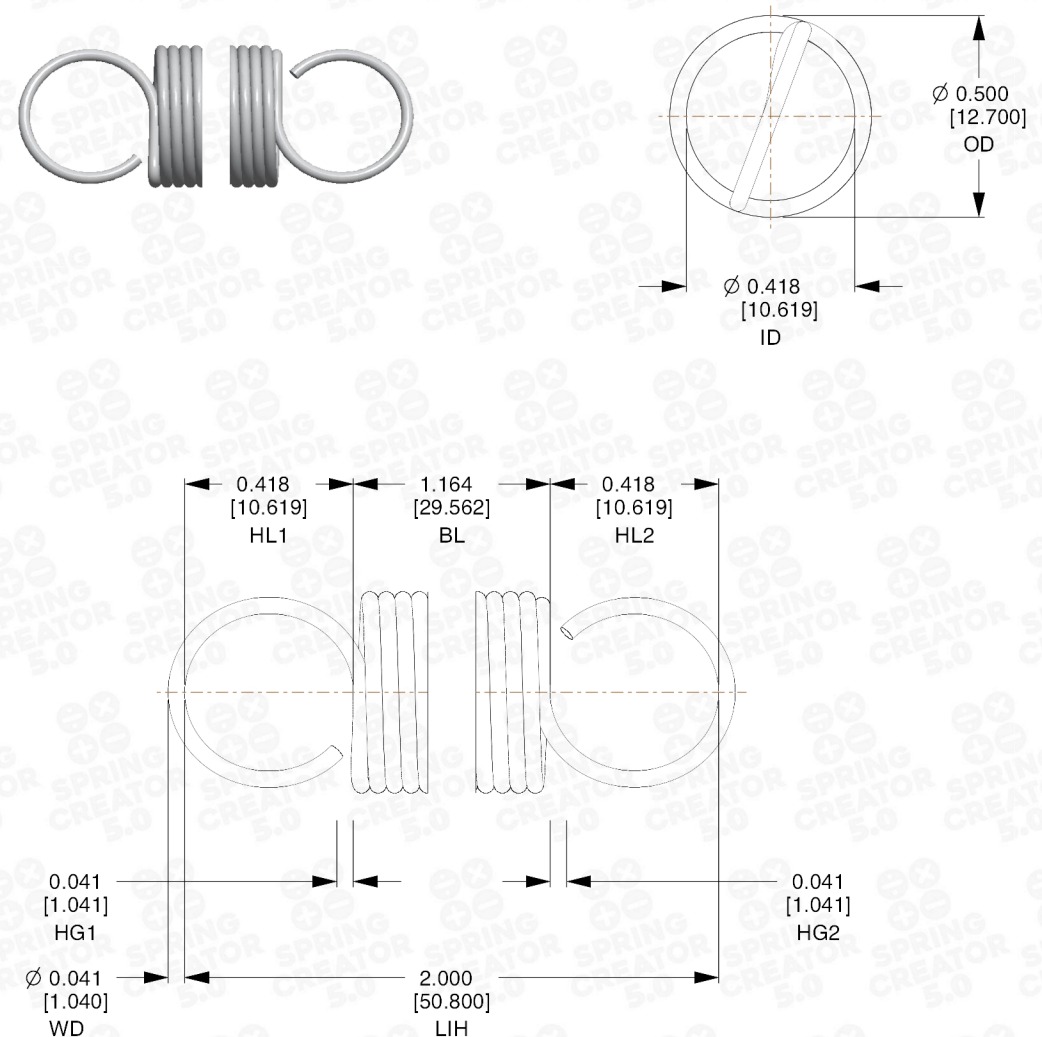
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Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE041-500-27390-SST-2000-CO-N-IN
Spring Type: Extension Spring	End Type: Cross-Over Hook
Finish: None	Direction of Wind: Right Hand
Material: Stainless 302 ASTM A313	Spring Index (I): 11.195
Weight / M: 16.490 Lbs	Length of W: 43.216 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)	2.000 in	[50.800 mm]	+/- 0.050
Body Length (BL)	1.164 in	[29.566 mm]	+/- 0.050
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)	1.32682 lbs/in	0.232 N/mm	+/- 0.133
Max Load (ML)	5.405 lbf	24.041 N	+/- 0.540
Max Travel (MT)	3.611 in	91.722 mm	
Initial Tension (IT)	0.614 lbf	2.729 N	
Max Shear Stress Possible (t max)	129250.000 PSI	891147380.120 Pa	
Material Shear Modulus (G)	9949475.938 PSI	68599221788.087 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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