



Force that
EMPOWERS

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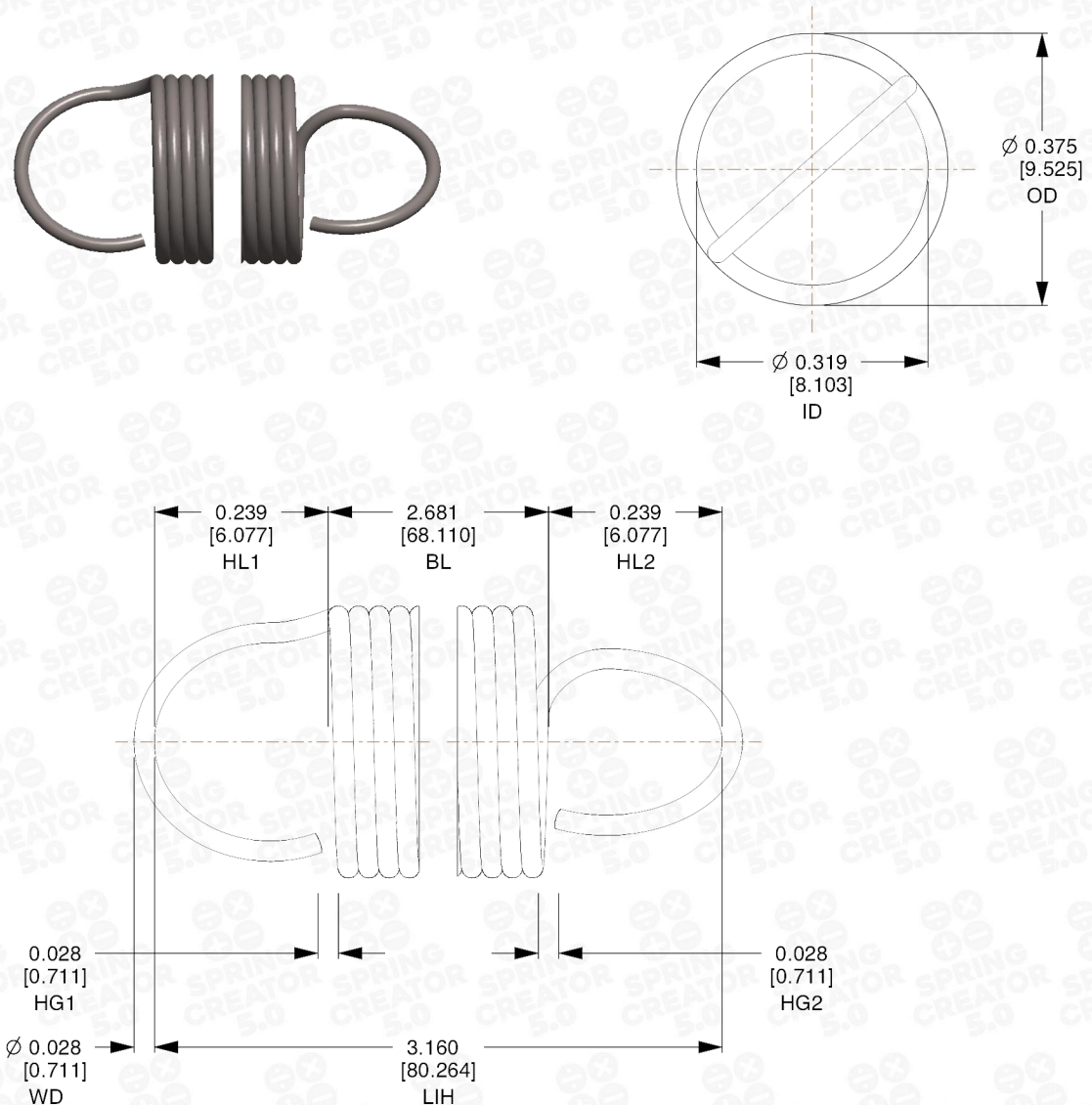
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Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE028-375-94768-MW-3160-MH-N-IN
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 12.393
Weight / M: 18.337 Lbs	Length of W: 104.809 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.028 in	[0.711 mm]	+/- 0.001
Outer Diameter (OD)	0.375 in	[9.525 mm]	+/- 0.008
Mean Diameter (MD)	0.347 in	[8.814 mm]	+/- 0.008
Inner Diameter (ID)	0.319 in	[8.103 mm]	+/- 0.008
Length Inside Hooks (LIH)	3.160 in	[80.264 mm]	+/- 0.100
Body Length (BL)	2.681 in	[68.097 mm]	+/- 0.100
Hook Gap 1 (HG1)	0.028 in	[0.711 mm]	
Hook Gap 2 (HG2)	0.028 in	[0.711 mm]	
Hook Length 1 (HL1)	0.239 in	[6.071 mm]	
Hook Length 2 (HL2)	0.239 in	[6.071 mm]	
Total Hook Length (THL)	0.479 in	[12.167 mm]	

Spring Rate (K)	0.22305 lbs/in	0.039 N/mm	+/- 0.022
Max Load (ML)	2.894 lbf	12.874 N	+/- 0.289
Max Travel (MT)	11.942 in	303.332 mm	
Initial Tension (IT)	0.231 lbf	1.025 N	
Max Shear Stress Possible (t max)	158390.000 PSI	1092060607.638 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.115	1.115	



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

Notes	Scale: 3.867	Revision #:	Drawn By:	Approved By:
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