



Force that
EMPOWERS

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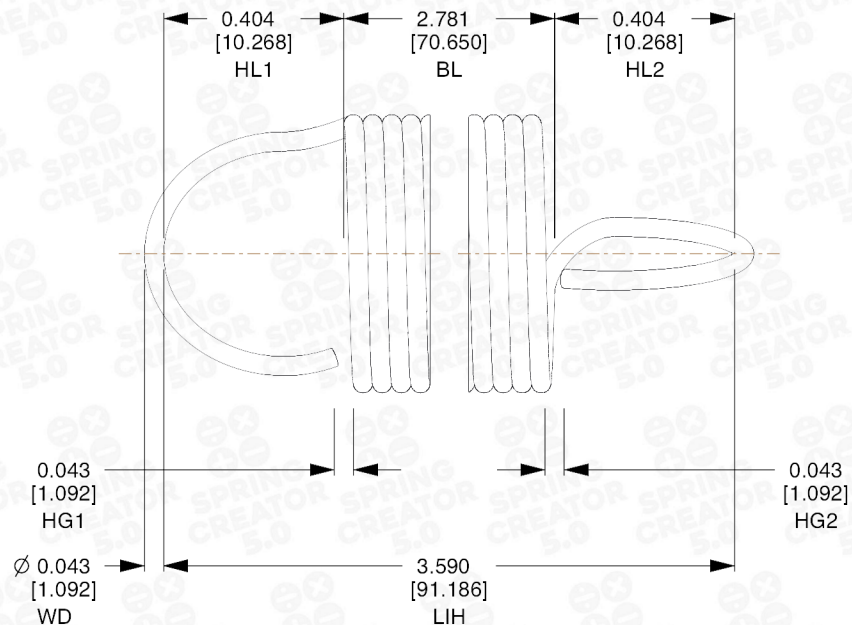
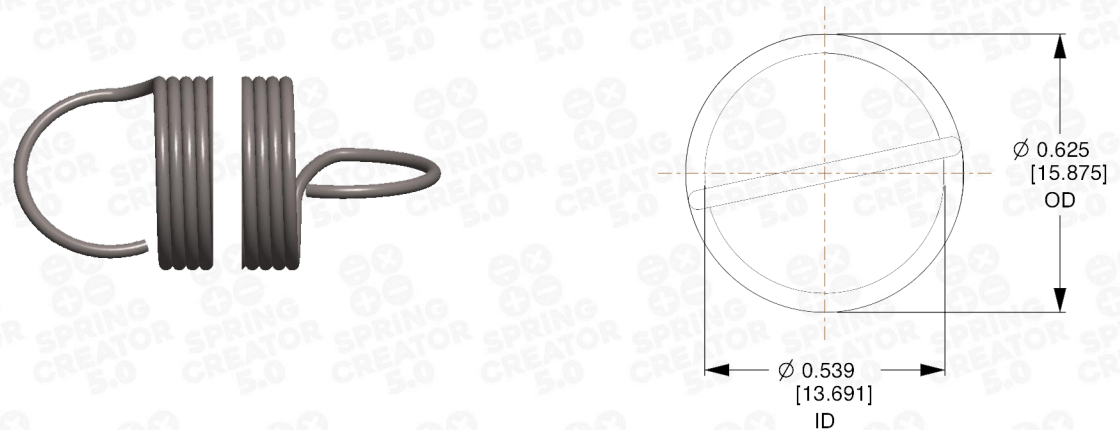
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Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE043-625-63687-MW-3590-MH-N-IN
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 13.535
Weight / M: 49.086 Lbs	Length of W: 118.960 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.043 in	[1.092 mm]	+/- 0.001
Outer Diameter (OD)	0.625 in	[15.875 mm]	+/- 0.015
Mean Diameter (MD)	0.582 in	[14.783 mm]	+/- 0.015
Inner Diameter (ID)	0.539 in	[13.691 mm]	+/- 0.015
Length Inside Hooks (LIH)	3.590 in	[91.186 mm]	+/- 0.100
Body Length (BL)	2.782 in	[70.663 mm]	+/- 0.100
Hook Gap 1 (HG1)	0.043 in	[1.092] mm	
Hook Gap 2 (HG2)	0.043 in	[1.092] mm	
Hook Length 1 (HL1)	0.404 in	[10.262] mm	
Hook Length 2 (HL2)	0.404 in	[10.262] mm	
Total Hook Length (THL)	0.808 in	[20.523] mm	

Spring Rate (K)	0.39113 lbs/in	0.068 N/mm	+/- 0.039
Max Load (ML)	5.885 lbf	26.179 N	+/- 0.589
Max Travel (MT)	13.928 in	353.771 mm	
Initial Tension (IT)	0.438 lbf	1.947 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)	1.105	1.105	



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

Notes	Scale: 2.320	Revision #:	Drawn By:	Approved By:
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