



Force that
EMPOWERS

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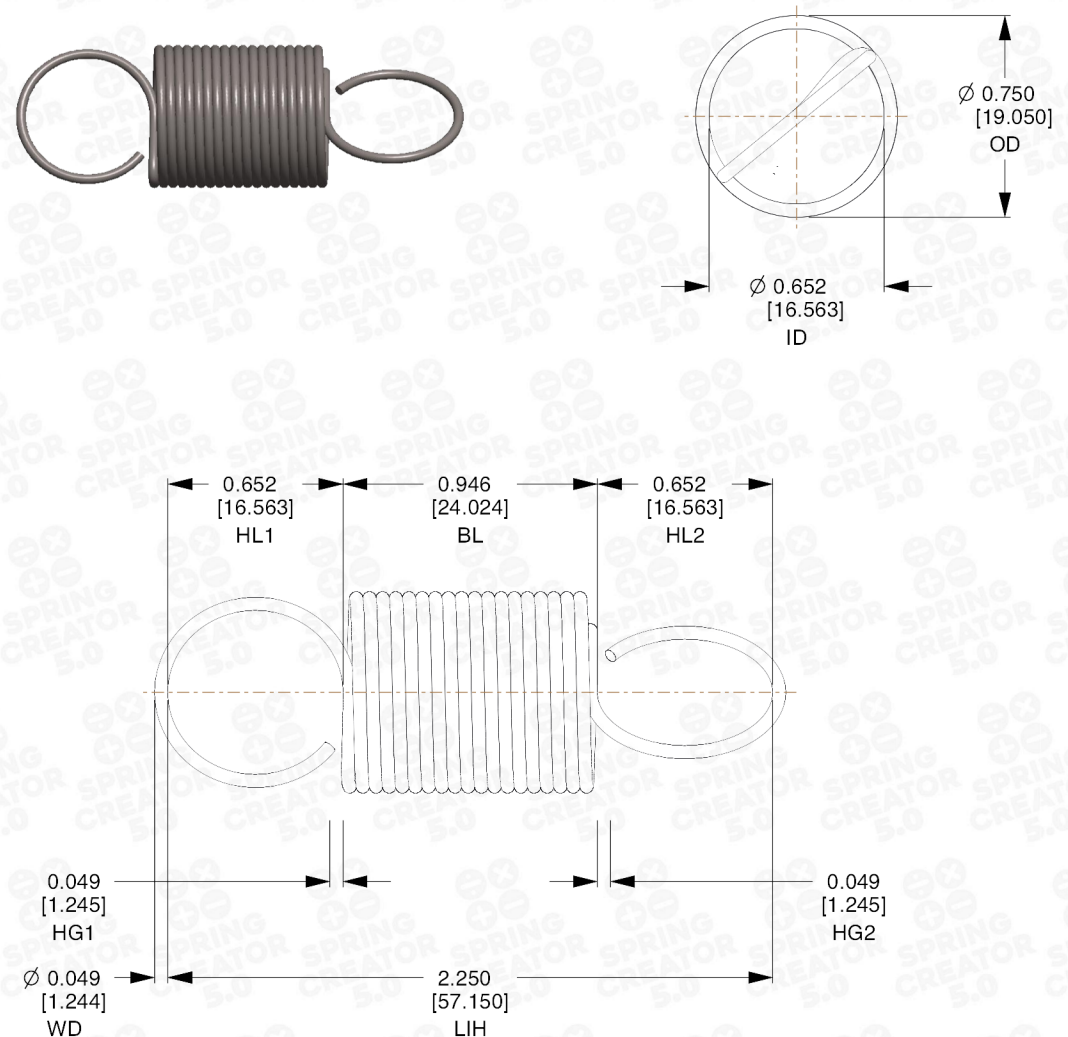
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Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE049-750-18306-MW-2250-CO-N-IN
Spring Type: Extension Spring	End Type: Cross-Over Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 14.306
Weight / M: 24.660 Lbs	Length of W: 46.023 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.049 in	[1.245 mm]	+/- 0.001
Outer Diameter (OD)	0.750 in	[19.050 mm]	+/- 0.015
Mean Diameter (MD)	0.701 in	[17.805 mm]	+/- 0.015
Inner Diameter (ID)	0.652 in	[16.561 mm]	+/- 0.015
Length Inside Hooks (LIH)	2.250 in	[57.150 mm]	+/- 0.100
Body Length (BL)	0.946 in	[24.028 mm]	+/- 0.025
Hook Gap 1 (HG1)	0.049 in	[1.245] mm	
Hook Gap 2 (HG2)	0.049 in	[1.245] mm	
Hook Length 1 (HL1)	0.652 in	[16.561] mm	
Hook Length 2 (HL2)	0.652 in	[16.561] mm	
Total Hook Length (THL)	1.304 in	[33.122] mm	

Spring Rate (K)	1.31334 lbs/in	0.230 N/mm	+/- 0.131
Max Load (ML)	6.980 lbf	31.049 N	+/- 0.698
Max Travel (MT)	4.927 in	125.151 mm	
Initial Tension (IT)	0.509 lbf	2.264 N	
Max Shear Stress Possible (t max)	145230.000 PSI	1001325601.662 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.099	1.099	



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

Notes	Scale: 1.400	Revision #:	Drawn By:	Approved By:
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