



By **ACCESS SPRING**

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EMPOWERS**

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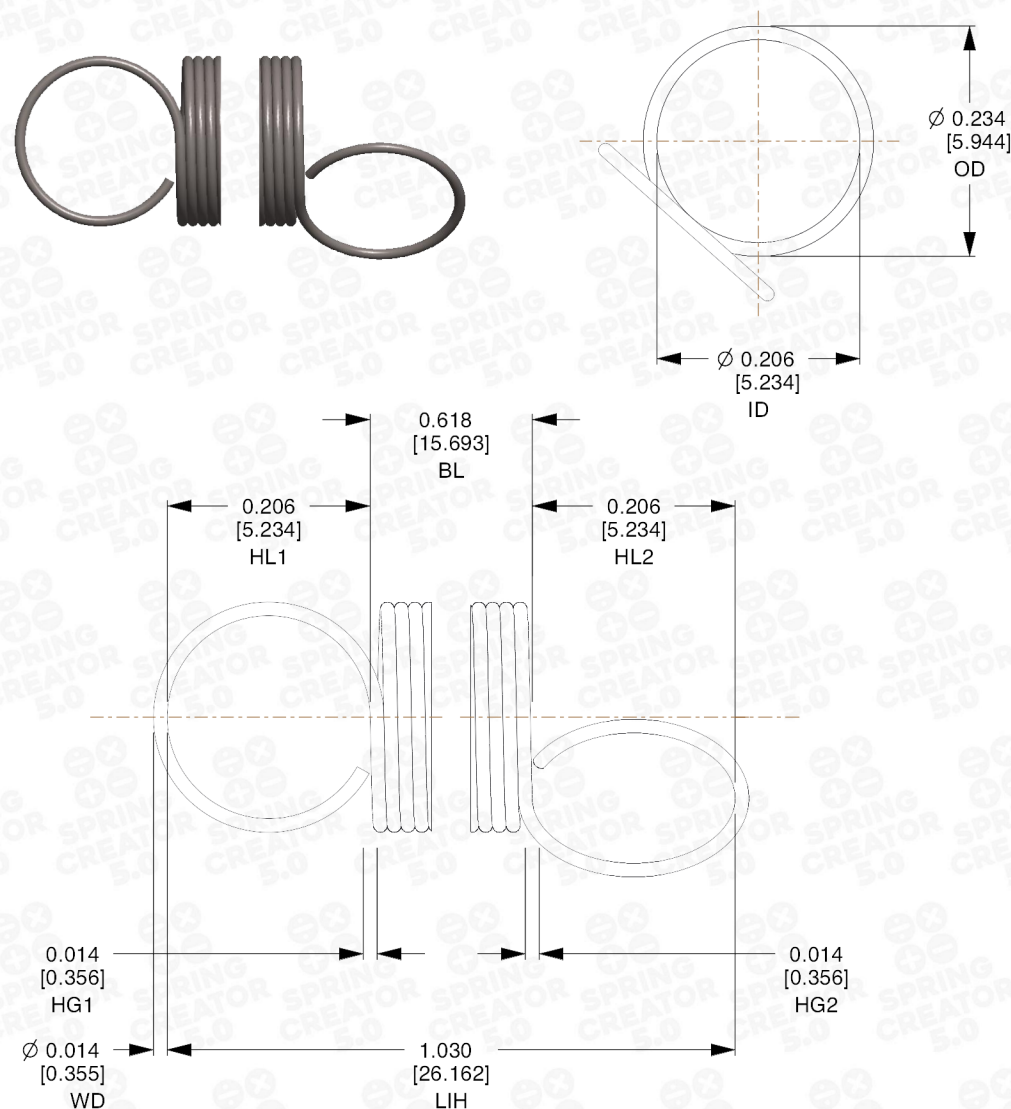
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Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE014-234-43143-MW-1030-SH-N-IN
Spring Type: Extension Spring	End Type: Side Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 15.714
Weight / M: 1.383 Lbs	Length of W: 31.613 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.014 in	[0.356 mm]	+/- 0.001
Outer Diameter (OD)	0.234 in	[5.944 mm]	+/- 0.005
Mean Diameter (MD)	0.220 in	[5.588 mm]	+/- 0.005
Inner Diameter (ID)	0.206 in	[5.232 mm]	+/- 0.005
Length Inside Hooks (LIH)	1.030 in	[26.162 mm]	+/- 0.050
Body Length (BL)	0.618 in	[15.697 mm]	+/- 0.025
Hook Gap 1 (HG1)	0.014 in	[0.356] mm	
Hook Gap 2 (HG2)	0.014 in	[0.356] mm	
Hook Length 1 (HL1)	0.206 in	[5.232] mm	
Hook Length 2 (HL2)	0.206 in	[5.232] mm	
Total Hook Length (THL)	0.412 in	[10.465] mm	

Spring Rate (K)	0.12014 lbs/in	0.021 N/mm	+/- 0.012
Max Load (ML)	0.625 lbf	2.780 N	+/- 0.062
Max Travel (MT)	4.948 in	125.689 mm	
Initial Tension (IT)	0.030 lbf	0.135 N	
Max Shear Stress Possible (t max)	173430.000 PSI	1195757757.325 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.090	1.090	



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

Notes	Scale: 5.128	Revision #:	Drawn By:	Approved By:
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