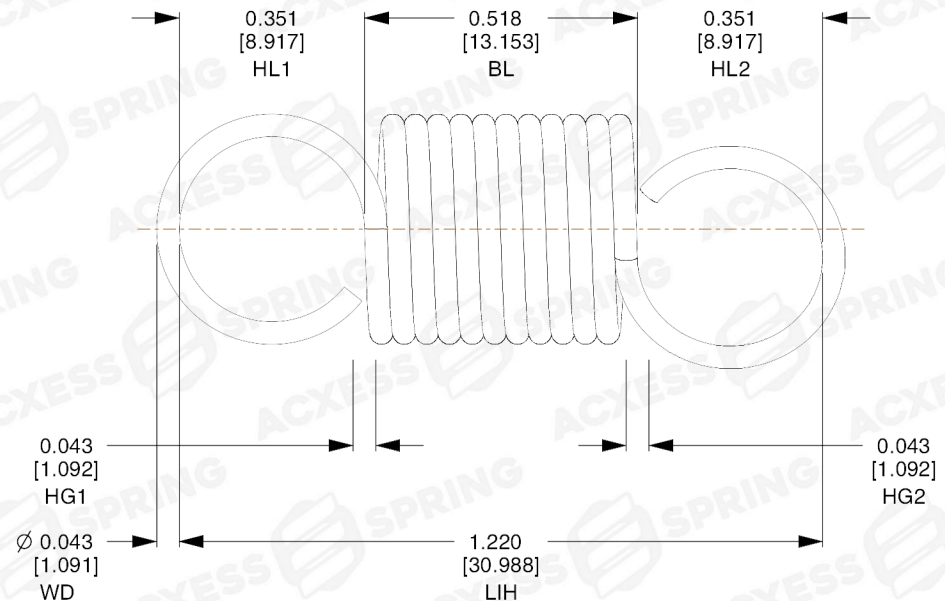


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE043-437-11047-MW-1220-SH-N-IN 🔗
Spring Type: Extension Spring	End Type: Side Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 9.163
Weight / M: 6.953 Lbs	Length of W: 16.851 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.043 in	[1.092 mm]	+/- 0.001
Outer Diameter (OD)	0.437 in	[11.100 mm]	+/- 0.008
Mean Diameter (MD)	0.394 in	[10.008 mm]	+/- 0.008
Inner Diameter (ID)	0.351 in	[8.915 mm]	+/- 0.008
Length Inside Hooks (LIH)	1.220 in	[30.988 mm]	+/- 0.050
Body Length (BL)	0.518 in	[13.157 mm]	+/- 0.025
Hook Gap 1 (HG1)	0.043 in	[1.092] mm	
Hook Gap 2 (HG2)	0.043 in	[1.092] mm	
Hook Length 1 (HL1)	0.351 in	[8.915] mm	
Hook Length 2 (HL2)	0.351 in	[8.915] mm	
Total Hook Length (THL)	0.702 in	[17.831] mm	

Spring Rate (K)	7.26946 lbs/in	1.273 N/mm	+/- 0.727
Max Load (ML)	8.073 lbf	35.911 N	+/- 0.807
Max Travel (MT)	0.972 in	24.676 mm	
Initial Tension (IT)	1.011 lbf	4.496 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)	1.159	1.159	



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

Notes	Scale: 2.746	Revision #:	Drawn By:	Approved By:
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