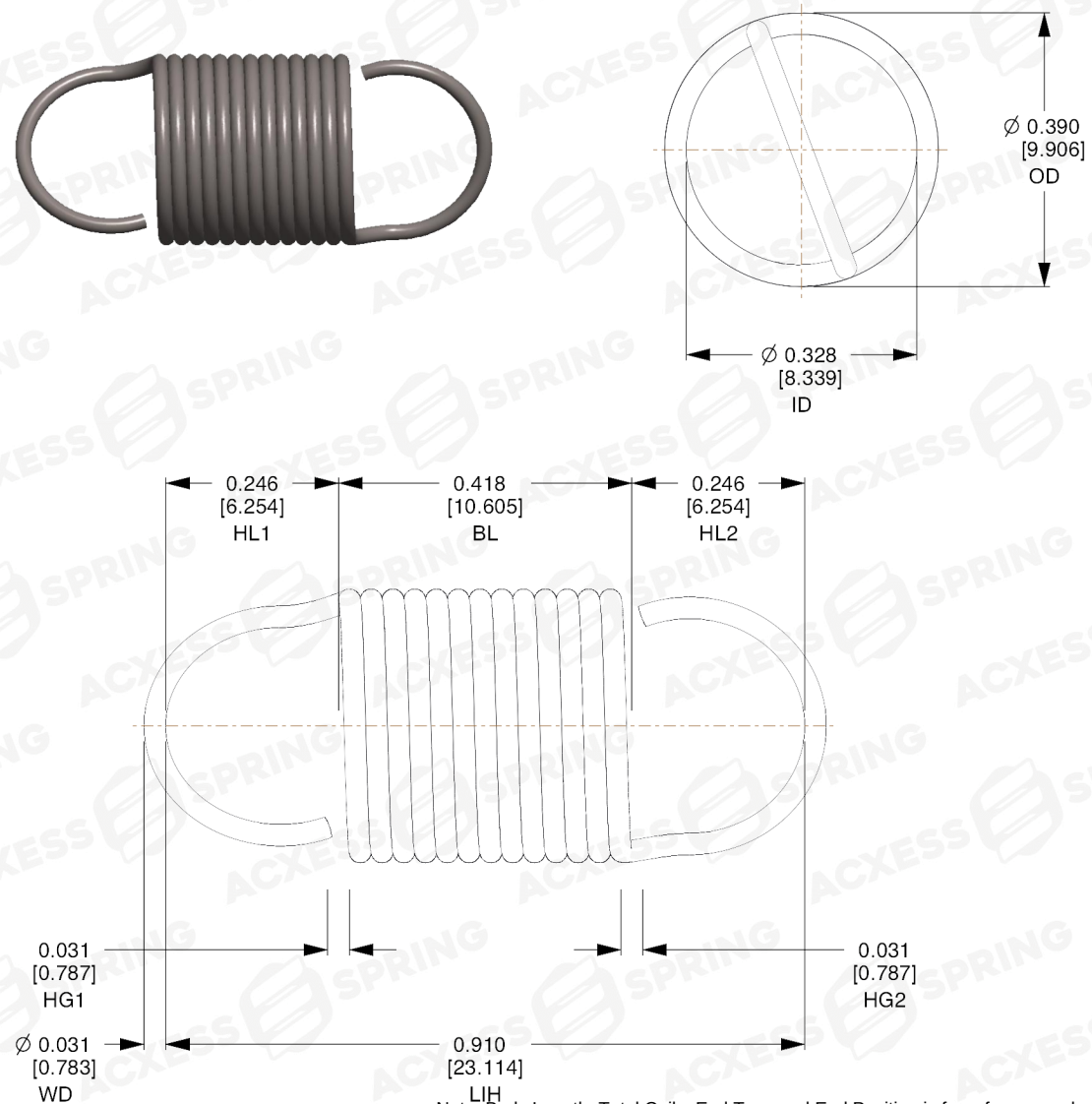


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE031-390-12484-MW-0910-MH-N-IN 
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 11.581
Weight / M: 3.352 Lbs	Length of W: 15.631 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.031 in	[0.787 mm]	+/- 0.001
Outer Diameter (OD)	0.390 in	[9.906 mm]	+/- 0.008
Mean Diameter (MD)	0.359 in	[9.119 mm]	+/- 0.008
Inner Diameter (ID)	0.328 in	[8.331 mm]	+/- 0.008
Length Inside Hooks (LIH)	0.910 in	[23.114 mm]	+/- 0.025
Body Length (BL)	0.418 in	[10.617 mm]	+/- 0.015
Hook Gap 1 (HG1)	0.031 in	[0.787] mm	
Hook Gap 2 (HG2)	0.031 in	[0.787] mm	
Hook Length 1 (HL1)	0.246 in	[6.248] mm	
Hook Length 2 (HL2)	0.246 in	[6.248] mm	
Total Hook Length (THL)	0.492 in	[12.497] mm	

Spring Rate (K)	2.29698 lbs/in	0.402 N/mm	+/- 0.230
Max Load (ML)	3.695 lbf	16.434 N	+/- 0.369
Max Travel (MT)	1.468 in	37.277 mm	
Initial Tension (IT)	0.324 lbf	1.439 N	
Max Shear Stress Possible (t max)	155100.000 PSI	1069376856.144 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.124	1.124	



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

Notes	Scale: 3.718	Revision #:	Drawn By:	Approved By:
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