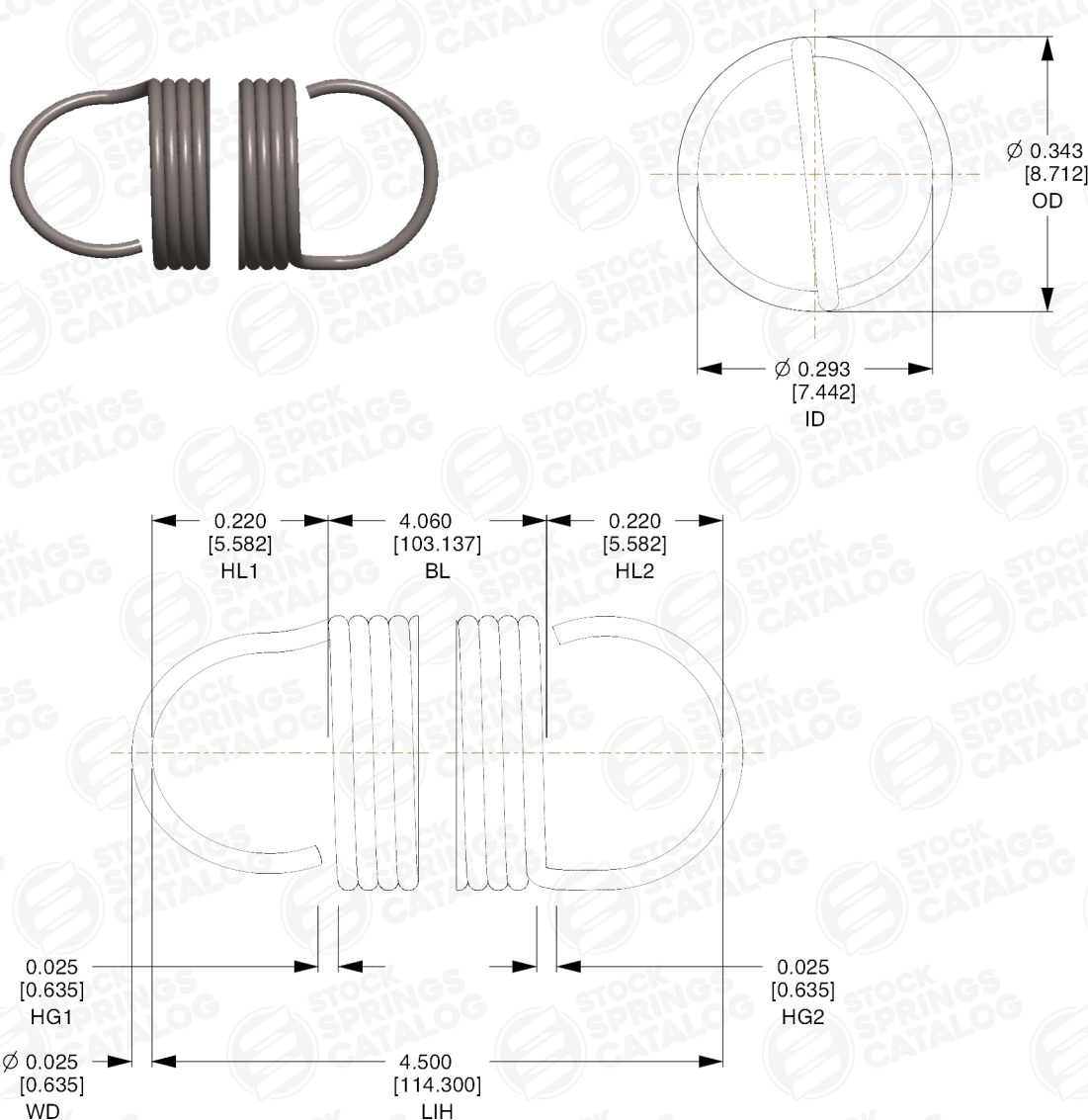


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE025-343-161420-MW-4500-MH-N-IN 
Spring Type: Extension Spring	End Type: Machine Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 12.720
Weight / M: 22.684 Lbs	Length of W: 162.637 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.025 in	[0.635 mm]	+/- 0.001
Outer Diameter (OD)	0.343 in	[8.712 mm]	+/- 0.008
Mean Diameter (MD)	0.318 in	[8.077 mm]	+/- 0.008
Inner Diameter (ID)	0.293 in	[7.442 mm]	+/- 0.008
Length Inside Hooks (LIH)	4.500 in	[114.300 mm]	+/- 0.200
Body Length (BL)	4.060 in	[103.124 mm]	+/- 0.200
Hook Gap 1 (HG1)	0.025 in	[0.635] mm	
Hook Gap 2 (HG2)	0.025 in	[0.635] mm	
Hook Length 1 (HL1)	0.220 in	[5.588] mm	
Hook Length 2 (HL2)	0.220 in	[5.588] mm	
Total Hook Length (THL)	0.440 in	[11.176] mm	

Spring Rate (K)	0.10812 lbs/in	0.019 N/mm	+/- 0.011
Max Load (ML)	2.280 lbf	10.141 N	+/- 0.228
Max Travel (MT)	19.482 in	494.840 mm	
Initial Tension (IT)	0.173 lbf	0.771 N	
Max Shear Stress Possible (t max)	160270.000 PSI	1105022751.349 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.112	1.112	



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

Notes	Scale: 4.227	Revision #:	Drawn By:	Approved By:
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