



By **ACCESS SPRING**

**Force that
EMPOWERS**

sales@springcreator.com Ph 951 276 2777

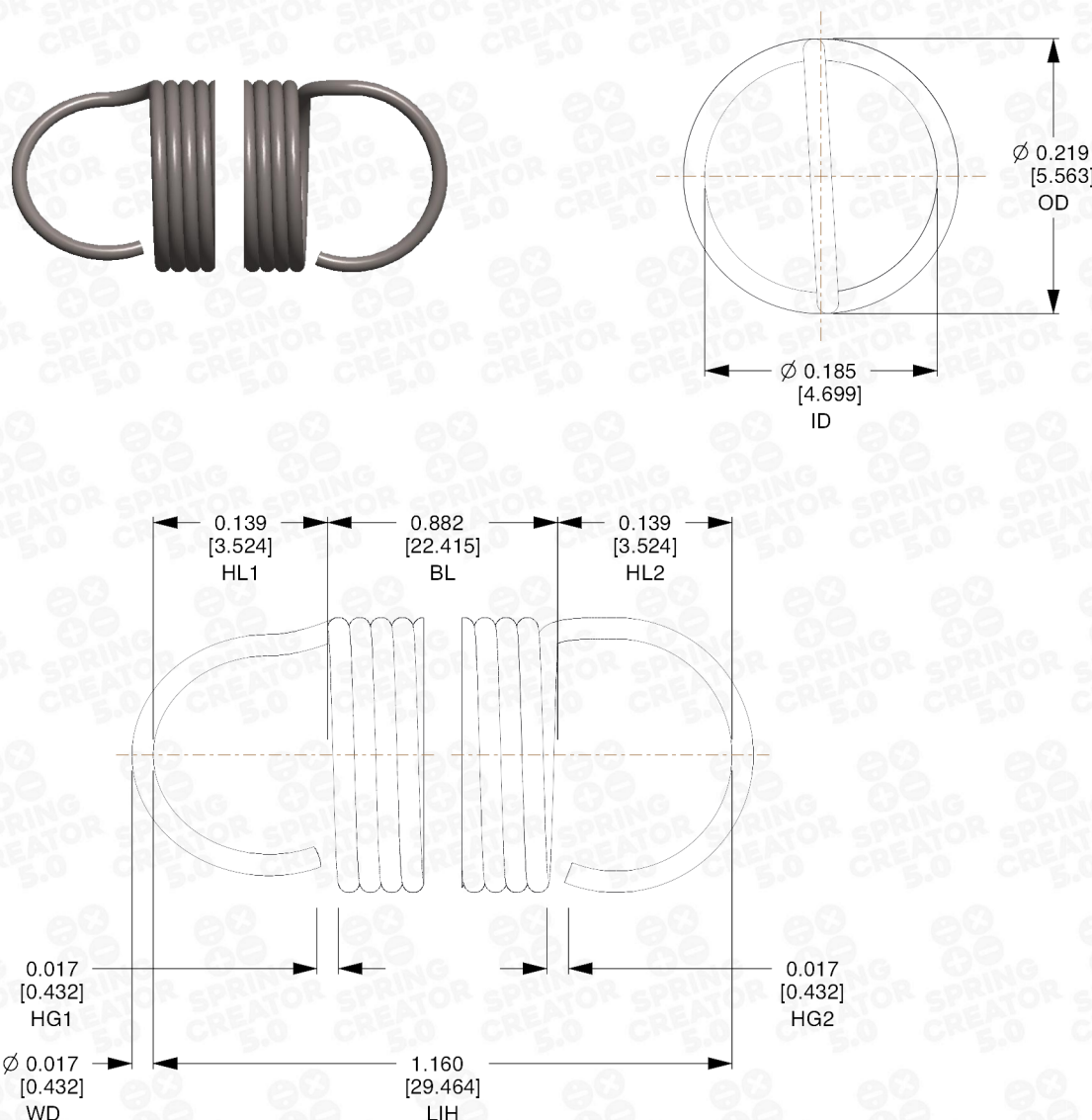
2225 E. Cooley Dr Colton, CA 92324

www.springcreator.com

Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE017-219-50912-MW-1160-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): 11.882
Weight / M: 2.140 Lbs	Length of W: 33.181 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.017 in	[0.432 mm]	+/- 0.001
Outer Diameter (OD)	0.219 in	[5.563 mm]	+/- 0.005
Mean Diameter (MD)	0.202 in	[5.131 mm]	+/- 0.005
Inner Diameter (ID)	0.185 in	[4.699 mm]	+/- 0.005
Length Inside Hooks (LIH)	1.160 in	[29.464 mm]	+/- 0.050
Body Length (BL)	0.883 in	[22.428 mm]	+/- 0.025
Hook Gap 1 (HG1)	0.017 in	[0.432] mm	
Hook Gap 2 (HG2)	0.017 in	[0.432] mm	
Hook Length 1 (HL1)	0.139 in	[3.531] mm	
Hook Length 2 (HL2)	0.139 in	[3.531] mm	
Total Hook Length (THL)	0.277 in	[7.036] mm	

Spring Rate (K)	0.28577 lbs/in	0.050 N/mm	+/- 0.029
Max Load (ML)	1.191 lbf	5.296 N	+/- 0.119
Max Travel (MT)	3.843 in	97.610 mm	
Initial Tension (IT)	0.092 lbf	0.411 N	
Max Shear Stress Possible (t max)	170140.000 PSI	1173074005.831 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.121	1.121	



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

Notes	Scale: 6.621	Revision #:	Drawn By:	Approved By:
This file and any associated information and specifications are provided for reference and evaluation purposes only, and is subject to change without notice. Access Spring makes no representations, warranties or guarantees as to the appropriateness, accuracy, completeness, or suitability for any purpose, of the file, information or specifications. You are solely responsible for the use of the file, information or specification.				This Drawing is the property of ACCESS SPRING It may contain confidential, proprietary information, that is Access Spring property. Do not disclose to or duplicate for others except as authorized by Access Spring.