



Force that
EMPOWERS



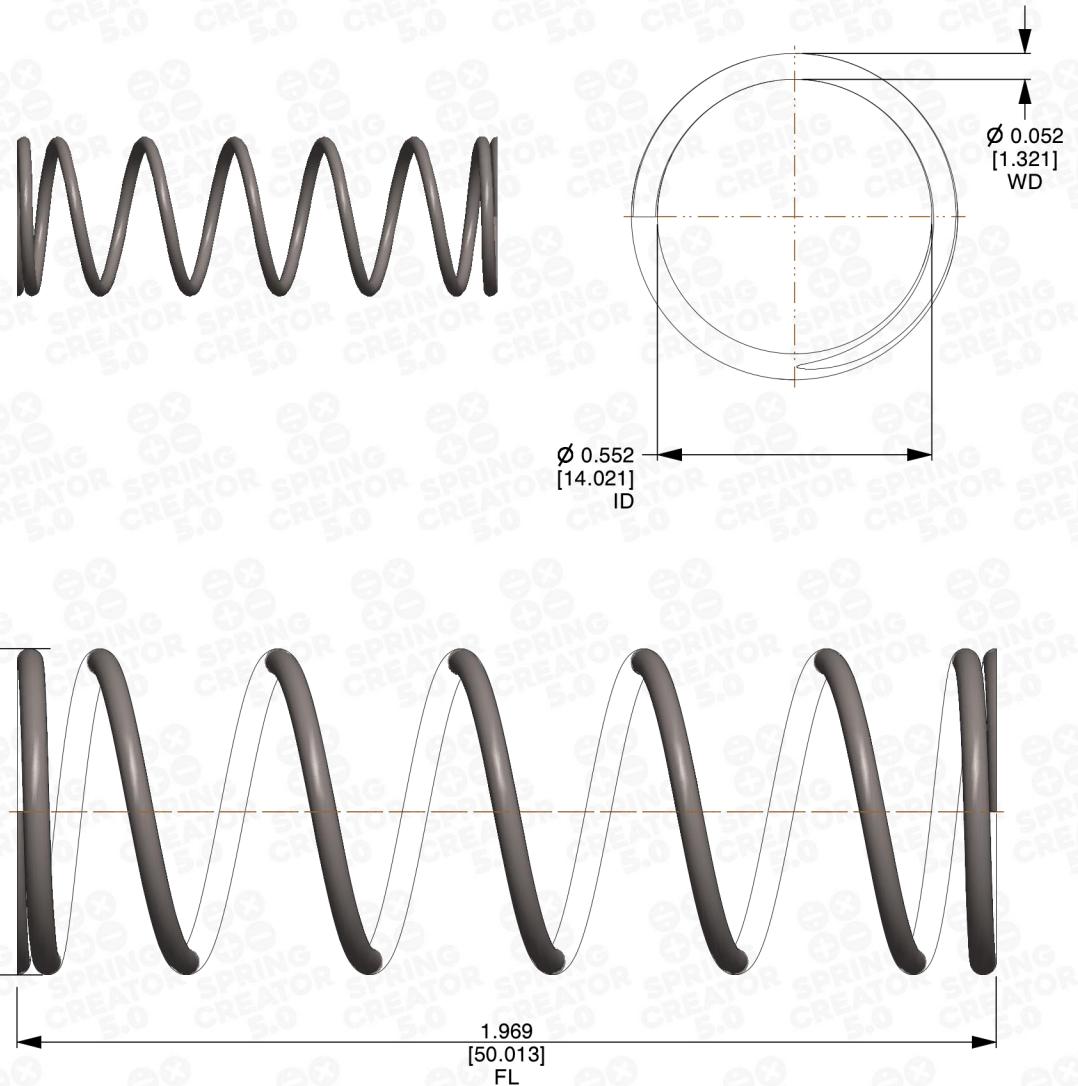
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Part Name:	Date: 06/05/2026
Part #: in	AC052-656-8000-MW-1969-CG-N-IN [Link]
(Click to see Part # on Website)	
Spring Type: Compression Spring	End Type: Closed & Ground End
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 11.615
Weight / M: 9.160 Lbs	Length of W: 15.180 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.052 in	[1.321 mm]	+/- 0.001
Outer Diameter (OD)	0.656 in	[16.662 mm]	+/- 0.015
Mean Diameter (MD)	0.604 in	[15.342 mm]	+/- 0.015
Inner Diameter (ID)	0.552 in	[14.021 mm]	+/- 0.015
Free Length (FL)	1.969 in	[50.013 mm]	+/- 0.050
Active Coils (AC)	6.000	6.000	+/- 1/4 Coil
Total Coils (TC)	8.000	8.000	+/- 1/4 Coil
Solid Height (SH)	0.416 in	[10.566 mm]	+/- 0.029
Coil Pitch (CP)	0.311 in	[7.894 mm]	
Rise Angle (RA)	9.303	[9.303]	
Spring Rate (K)	7.94500 lbs/in	1.391 N/mm	+/- 0.794
Max Load (ML)	11.701 lbf	52.051 N	+/- 1.170
Max Travel (MT)	1.473 in	37.409 mm	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Max Shear Stress Possible (t max)	143820.000 PSI	991603993.879 Pa	
Wahl Correction Factor (W)	1.124	1.124	
Load1 (L1)		@	Loaded Height
Load2 (L2)		@	Loaded Height



Notes	Scale: 2.590	Revision #:	Drawn By:	Approved By:
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