



By **ACCESS SPRING**

**Force that
EMPOWERS**

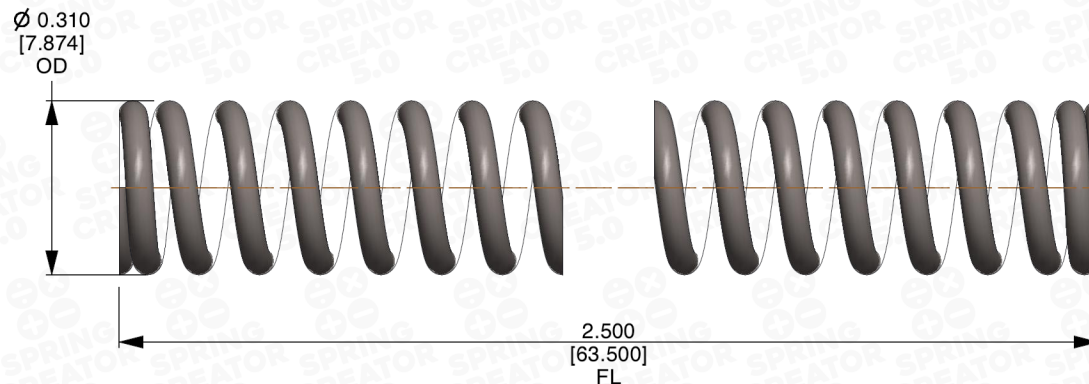
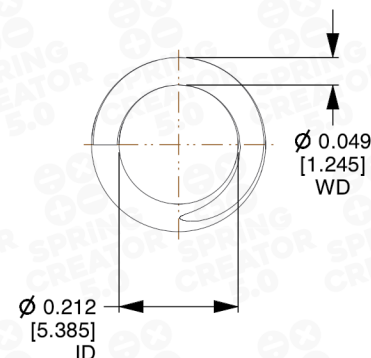


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Part Name:	Date: 06/05/2026
Part #: in AC049-310-25000-MW-2500-CG-N-IN	
(Click to see Part # on Website)	
Spring Type: Compression Spring	End Type: Closed & Ground End
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 5.327
Weight / M: 10.984 Lbs	Length of W: 20.499 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.049 in	[1.245 mm]	+/- 0.001
Outer Diameter (OD)	0.310 in	[7.874 mm]	+/- 0.008
Mean Diameter (MD)	0.261 in	[6.629 mm]	+/- 0.008
Inner Diameter (ID)	0.212 in	[5.385 mm]	+/- 0.008
Free Length (FL)	2.500 in	[63.500 mm]	+/- 0.100
Active Coils (AC)	23.000	23.000	+/- 1/4 Coil
Total Coils (TC)	25.000	25.000	+/- 1/4 Coil
Solid Height (SH)	1.225 in	[31.115 mm]	+/- 0.086
Coil Pitch (CP)	0.104 in	[2.652 mm]	
Rise Angle (RA)	7.258	[7.258]	
Spring Rate (K)	20.25244 lbs/in	3.547 N/mm	+/- 2.025
Max Load (ML)	19.947 lbf	88.728 N	+/- 1.995
Max Travel (MT)	0.985 in	25.016 mm	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Max Shear Stress Possible (t max)	145230.000 PSI	1001325601.662 Pa	
Wahl Correction Factor (W)	1.289	1.289	
Load1 (L1)		@	Loaded Height
Load2 (L2)		@	Loaded Height

Notes



Scale: 2.925	Revision #:	Drawn By:	Approved By:
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