



By **ACCESS SPRING**

**Force that
EMPOWERS**

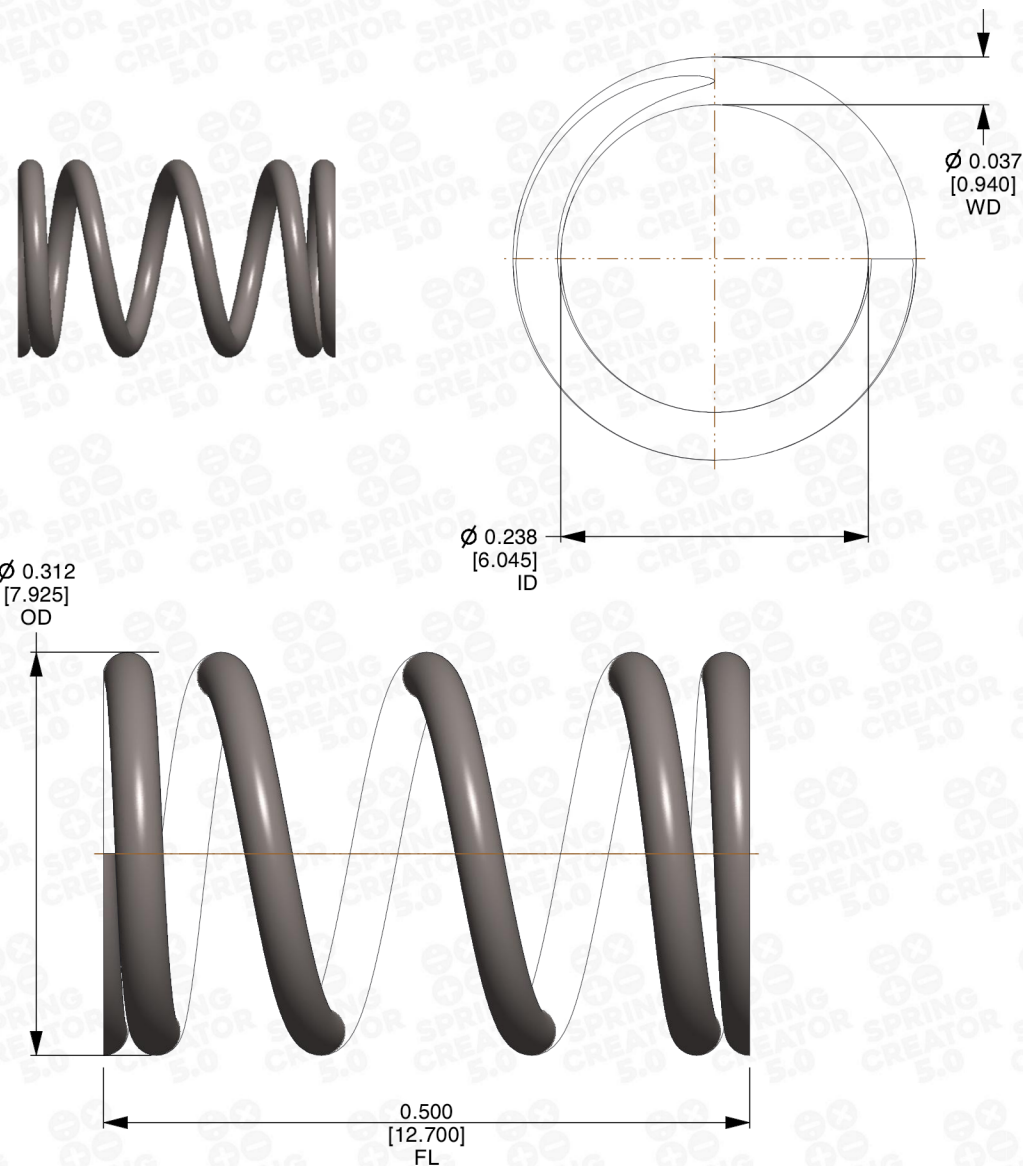
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Part Name:	Date: 06/02/2026
Part #: in PC037-312-5500-MW-0500-CG-N-IN	
(Click to see Part # on Website)	
Spring Type: Compression Spring	End Type: Closed & Ground End
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 7.432
Weight / M: 1.452 Lbs	Length of W: 4.752 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.037 in	[0.940 mm]	+/- 0.001
Outer Diameter (OD)	0.312 in	[7.925 mm]	+/- 0.008
Mean Diameter (MD)	0.275 in	[6.985 mm]	+/- 0.008
Inner Diameter (ID)	0.238 in	[6.045 mm]	+/- 0.008
Free Length (FL)	0.500 in	[12.700 mm]	+/- 0.015
Active Coils (AC)	3.500	3.500	+/- 1/4 Coil
Total Coils (TC)	5.500	5.500	+/- 1/4 Coil
Solid Height (SH)	0.203 in	[5.156 mm]	+/- 0.014
Coil Pitch (CP)	0.122 in	[3.091 mm]	
Rise Angle (RA)	8.019	[8.019]	
Spring Rate (K)	36.98989 lbs/in	6.478 N/mm	+/- 3.699
Max Load (ML)	9.099 lbf	40.474 N	+/- 0.910
Max Travel (MT)	0.246 in	6.248 mm	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Max Shear Stress Possible (t max)	150870.000 PSI	1040212032.795 Pa	
Wahl Correction Factor (W)	1.199	1.199	



Notes	Scale: 6.731	Revision #:	Drawn By:	Approved By:
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