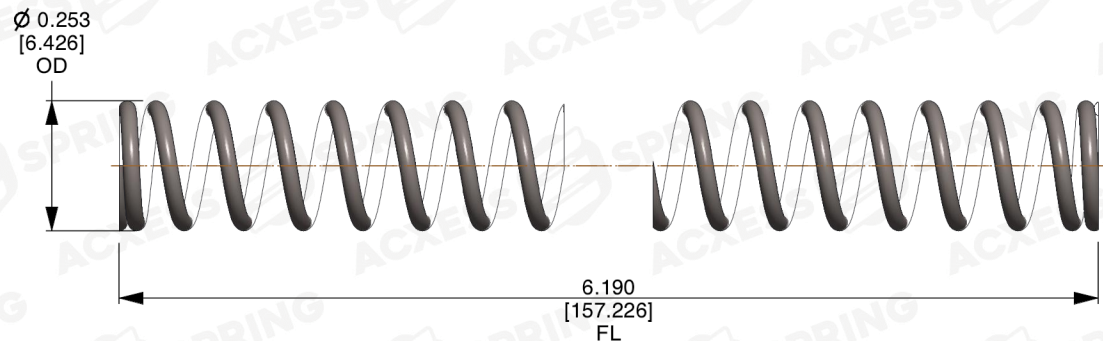
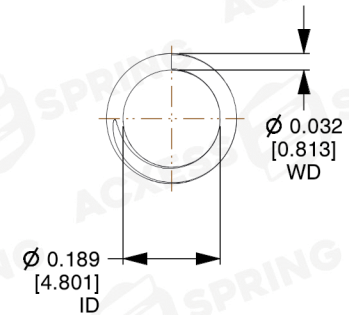


Part Name:	Date: 06/02/2026
Part #: in PC032-253-55750-MW-6190-CG-N-IN	
Spring Type: Compression Spring	End Type: Closed & Ground End
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 6.906
Weight / M: 8.845 Lbs	Length of W: 38.707 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.032 in	[0.813 mm]	+/- 0.001
Outer Diameter (OD)	0.253 in	[6.426 mm]	+/- 0.008
Mean Diameter (MD)	0.221 in	[5.613 mm]	+/- 0.008
Inner Diameter (ID)	0.189 in	[4.801 mm]	+/- 0.008
Free Length (FL)	6.190 in	[157.226 mm]	+/- 0.200
Active Coils (AC)	53.750	53.750	+/- 1/4 Coil
Total Coils (TC)	55.750	55.750	+/- 1/4 Coil
Solid Height (SH)	1.784 in	[45.314 mm]	+/- 0.125
Coil Pitch (CP)	0.114 in	[2.896 mm]	
Rise Angle (RA)	9.322	[9.322]	
Spring Rate (K)	2.59649 lbs/in	0.455 N/mm	+/- 0.260
Max Load (ML)	7.426 lbf	33.035 N	+/- 0.743
Max Travel (MT)	2.860 in	72.649 mm	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Max Shear Stress Possible (t max)	155100.000 PSI	1069376856.144 Pa	
Wahl Correction Factor (W)	1.216	1.216	



Notes	Scale: 2.678	Revision #:	Drawn By:	Approved By:
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