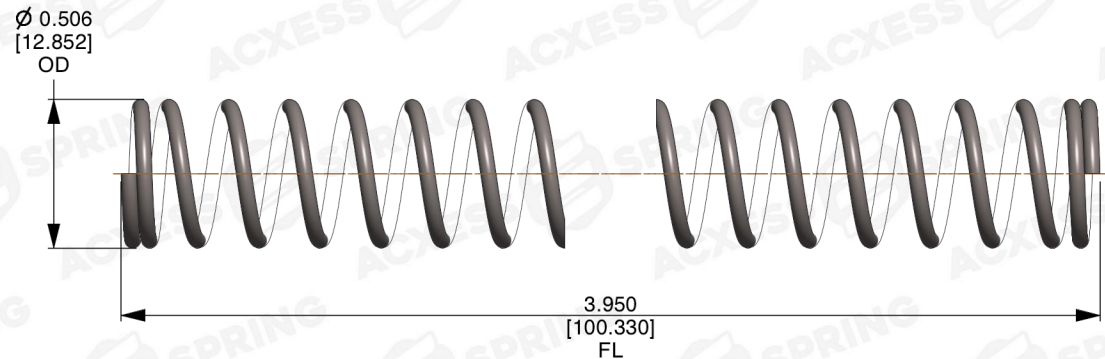
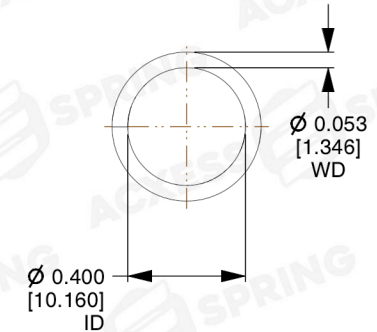


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PC053-506-21000-MW-3950-C-N-IN ↗
Spring Type: Compression Spring	End Type: Closed End
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 8.547
Weight / M: 18.735 Lbs	Length of W: 29.886 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.053 in	[1.346 mm]	+/- 0.001
Outer Diameter (OD)	0.506 in	[12.852 mm]	+/- 0.015
Mean Diameter (MD)	0.453 in	[11.506 mm]	+/- 0.015
Inner Diameter (ID)	0.400 in	[10.160 mm]	+/- 0.015
Free Length (FL)	3.950 in	[100.330 mm]	+/- 0.100
Active Coils (AC)	19.000	19.000	+/- 1/4 Coil
Total Coils (TC)	21.000	21.000	+/- 1/4 Coil
Solid Height (SH)	1.166 in	[29.616 mm]	+/- 0.082
Coil Pitch (CP)	0.200 in	[5.067 mm]	
Rise Angle (RA)	7.981	[7.981]	
Spring Rate (K)	6.41797 lbs/in	1.124 N/mm	+/- 0.642
Max Load (ML)	15.846 lbf	70.488 N	+/- 1.585
Max Travel (MT)	2.469 in	62.715 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)	1.171	1.171	



Notes	Scale: 1.533	Revision #:	Drawn By:	Approved By:
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