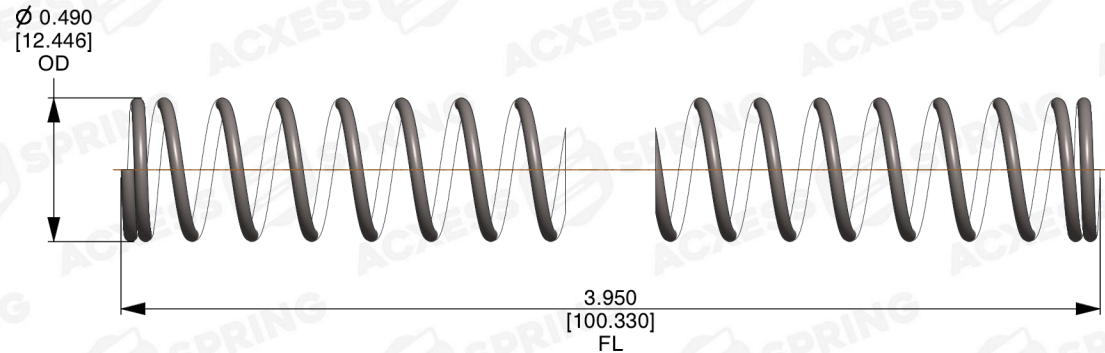
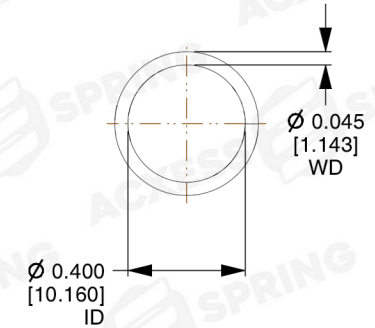


Part Name:	Date: 06/02/2026
Part #: in PC045-490-21500-MW-3950-C-N-IN 	
(Click to see Part # on Website)	
Spring Type: Compression Spring	End Type: Closed End
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 9.889
Weight / M: 13.583 Lbs	Length of W: 30.057 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.045 in	[1.143 mm]	+/- 0.001
Outer Diameter (OD)	0.490 in	[12.446 mm]	+/- 0.008
Mean Diameter (MD)	0.445 in	[11.303 mm]	+/- 0.008
Inner Diameter (ID)	0.400 in	[10.160 mm]	+/- 0.008
Free Length (FL)	3.950 in	[100.330 mm]	+/- 0.100
Active Coils (AC)	19.500	19.500	+/- 1/4 Coil
Total Coils (TC)	21.500	21.500	+/- 1/4 Coil
Solid Height (SH)	1.012 in	[25.705 mm]	+/- 0.071
Coil Pitch (CP)	0.196 in	[4.968 mm]	
Rise Angle (RA)	7.966	[7.966]	
Spring Rate (K)	3.42829 lbs/in	0.600 N/mm	+/- 0.343
Max Load (ML)	10.071 lbf	44.796 N	+/- 1.007
Max Travel (MT)	2.938 in	74.612 mm	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Max Shear Stress Possible (t max)	147110.000 PSI	1014287745.373 Pa	
Wahl Correction Factor (W)	1.147	1.147	



Notes	Scale: 1.528	Revision #:	Drawn By:	Approved By:
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