



By **ACCESS SPRING**

**Force that
EMPOWERS**

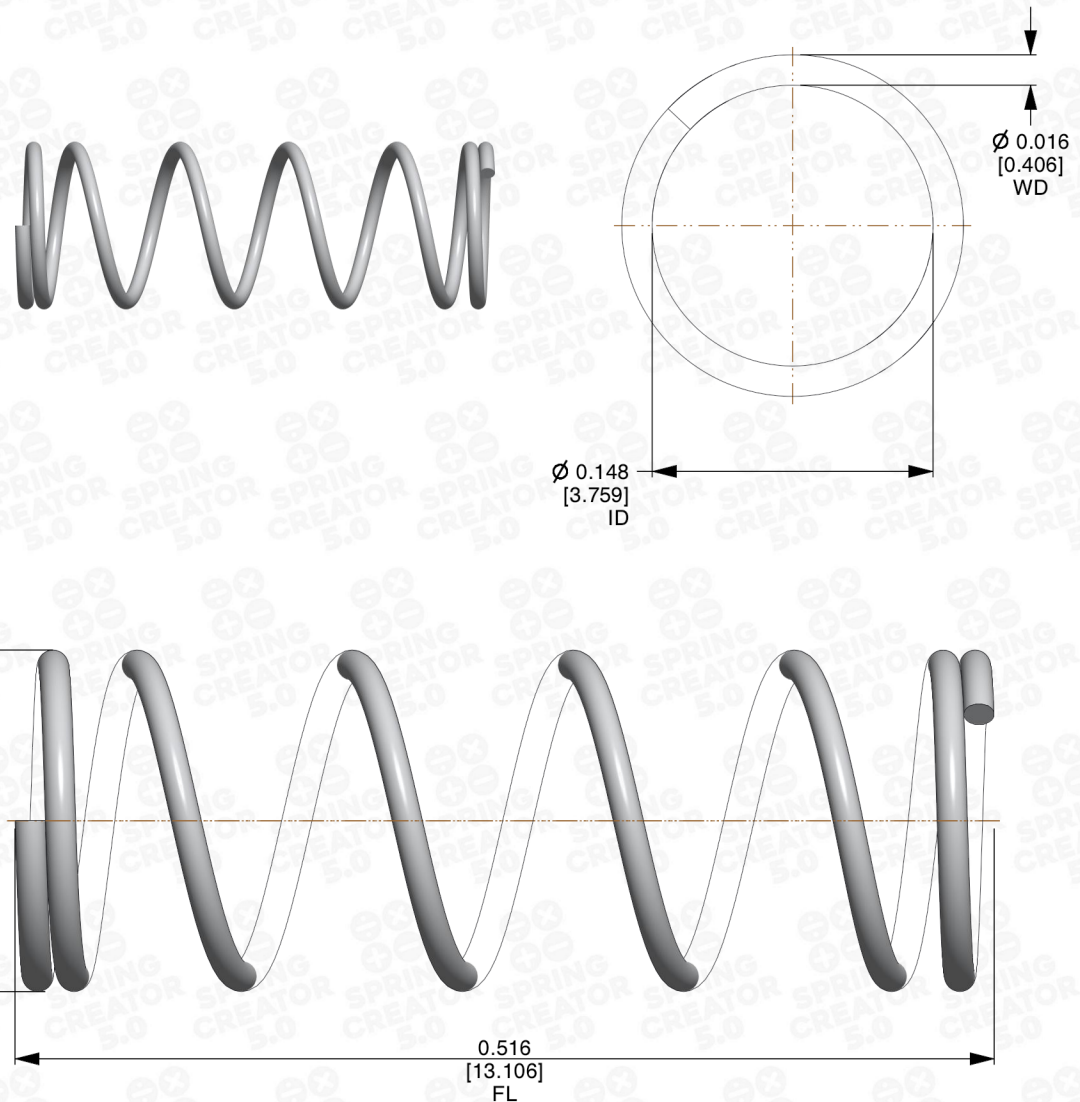
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Part Name:	Date: 06/02/2026
Part #: in PC016-180-6880-SST-0516-C-N-IN	
(Click to see Part # on Website)	
Spring Type: Compression Spring	End Type: Closed End
Finish: None	Direction of Wind: Right Hand
Material: Stainless 302 ASTM A313	Spring Index (I): 10.250
Weight / M: 0.206 Lbs	Length of W: 3.545 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.016 in	[0.406 mm]	+/- 0.001
Outer Diameter (OD)	0.180 in	[4.572 mm]	+/- 0.005
Mean Diameter (MD)	0.164 in	[4.166 mm]	+/- 0.005
Inner Diameter (ID)	0.148 in	[3.759 mm]	+/- 0.005
Free Length (FL)	0.516 in	[13.106 mm]	+/- 0.025
Active Coils (AC)	4.880	4.880	+/- 1/4 Coil
Total Coils (TC)	6.880	6.880	+/- 1/4 Coil
Solid Height (SH)	0.126 in	[3.200 mm]	+/- 0.009
Coil Pitch (CP)	0.096 in	[2.436 mm]	
Rise Angle (RA)	10.544	[10.544]	
Spring Rate (K)	3.78651 lbs/in	0.663 N/mm	+/- 0.379
Max Load (ML)	1.244 lbf	5.535 N	+/- 0.124
Max Travel (MT)	0.329 in	8.346 mm	
Material Shear Modulus (G)	9949475.938 PSI	68599221788.087 Pa	
Max Shear Stress Possible (t max)	144760.000 PSI	998085065.735 Pa	
Wahl Correction Factor (W)	1.141	1.141	



Notes	Scale: 9.884	Revision #:	Drawn By:	Approved By:
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