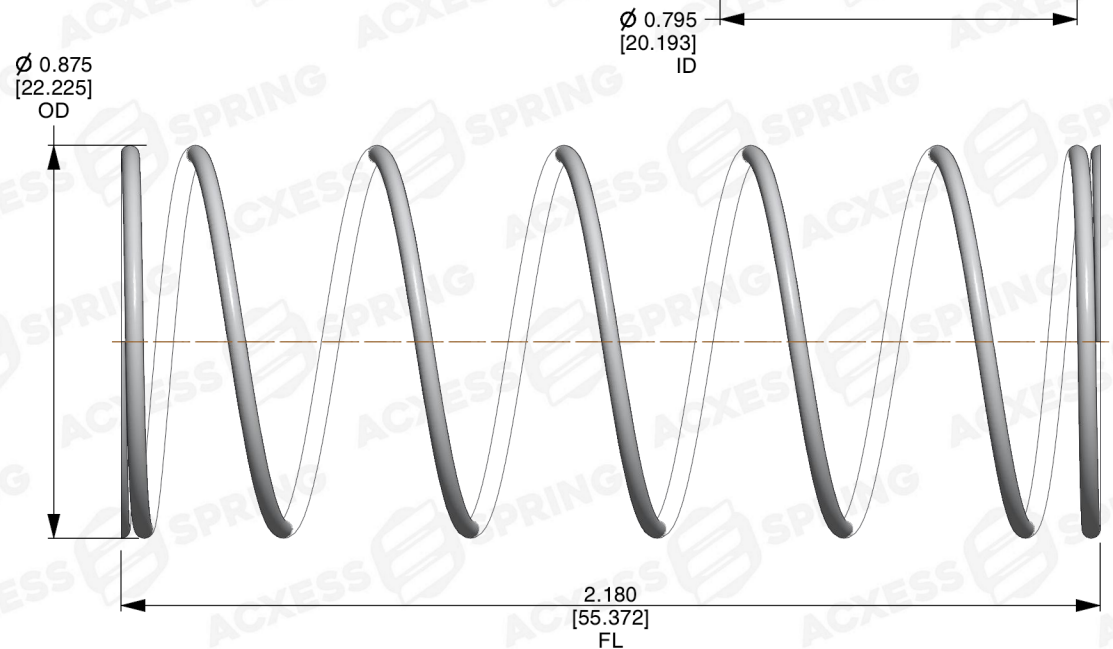
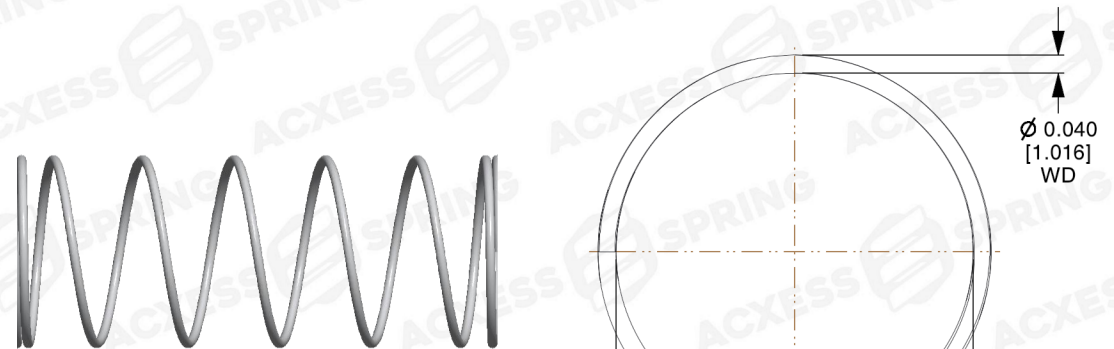


Part Name:	Date: 06/02/2026
Part #: in PC040-875-8000-SST-2180-CG-N-IN	
Spring Type: Compression Spring	End Type: Closed & Ground End
Finish: None	Direction of Wind: Right Hand
Material: Stainless 302 ASTM A313	Spring Index (I): 20.875
Weight / M: 7.622 Lbs	Length of W: 20.986 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.040 in	[1.016 mm]	+/- 0.001
Outer Diameter (OD)	0.875 in	[22.225 mm]	+/- 0.020
Mean Diameter (MD)	0.835 in	[21.209 mm]	+/- 0.020
Inner Diameter (ID)	0.795 in	[20.193 mm]	+/- 0.020
Free Length (FL)	2.180 in	[55.372 mm]	+/- 0.100
Active Coils (AC)	6.000	6.000	+/- 1/4 Coil
Total Coils (TC)	8.000	8.000	+/- 1/4 Coil
Solid Height (SH)	0.320 in	[8.128 mm]	+/- 0.022
Coil Pitch (CP)	0.350 in	[8.890 mm]	
Rise Angle (RA)	7.600	[7.600]	
Spring Rate (K)	0.91146 lbs/in	0.160 N/mm	+/- 0.091
Max Load (ML)	1.695 lbf	7.541 N	+/- 0.170
Max Travel (MT)	1.860 in	47.244 mm	
Material Shear Modulus (G)	9949475.938 PSI	68599221788.087 Pa	
Max Shear Stress Possible (t max)	131600.000 PSI	907350059.759 Pa	
Wahl Correction Factor (W)	1.067	1.067	



Notes	Scale: 2.339	Revision #:	Drawn By:	Approved By:
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