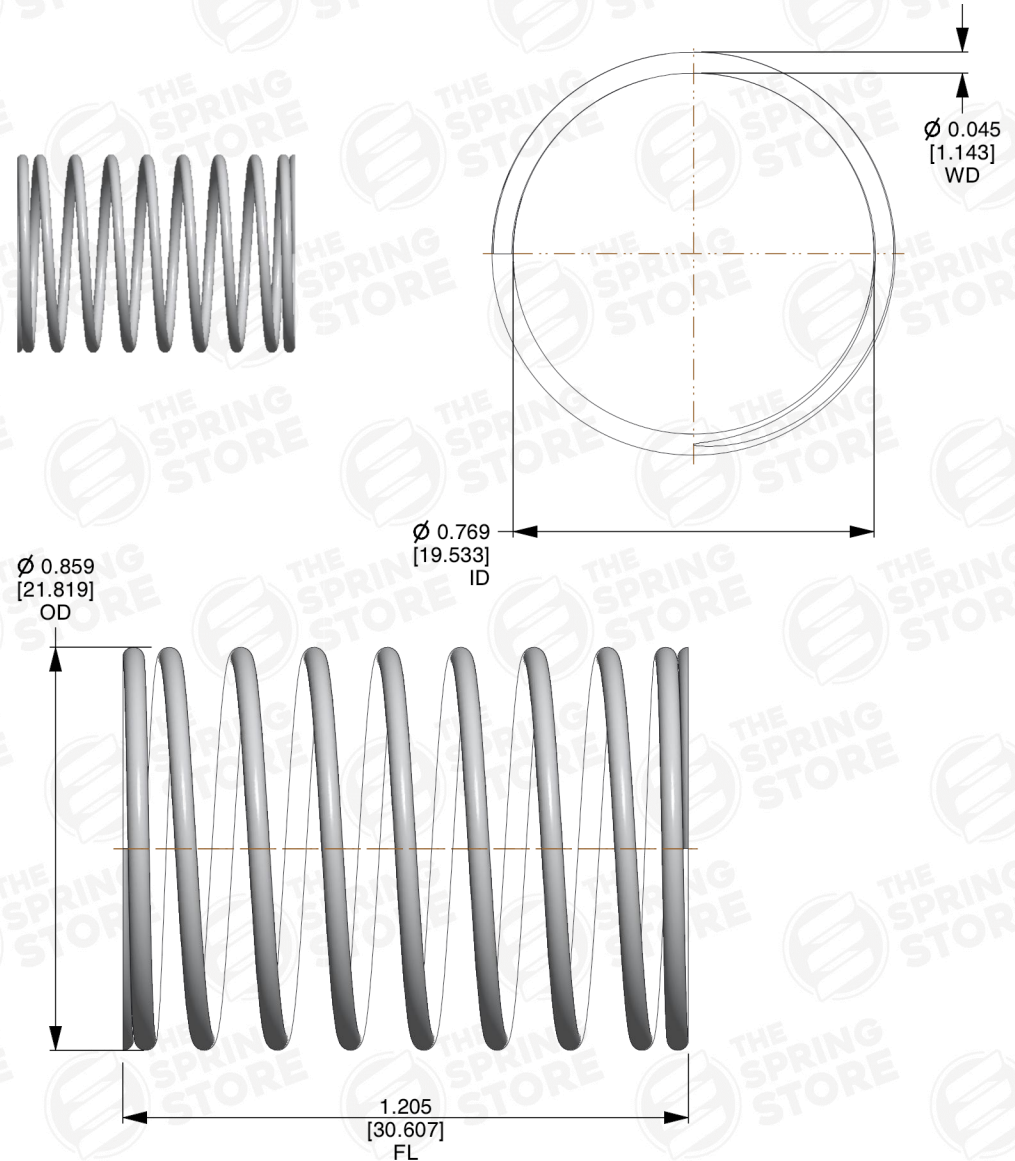


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PC045-859-10000-SST-1205-CG-N-IN
Spring Type: Compression Spring	End Type: Closed & Ground End
Finish: None	Direction of Wind: Right Hand
Material: Stainless 302 ASTM A313	Spring Index (I): 18.089
Weight / M: 11.755 Lbs	Length of W: 25.573 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.045 in	[1.143 mm]	+/- 0.001
Outer Diameter (OD)	0.859 in	[21.819 mm]	+/- 0.020
Mean Diameter (MD)	0.814 in	[20.676 mm]	+/- 0.020
Inner Diameter (ID)	0.769 in	[19.533 mm]	+/- 0.020
Free Length (FL)	1.205 in	[30.607 mm]	+/- 0.050
Active Coils (AC)	8.000	8.000	+/- 1/4 Coil
Total Coils (TC)	10.000	10.000	+/- 1/4 Coil
Solid Height (SH)	0.450 in	[11.430 mm]	+/- 0.032
Coil Pitch (CP)	0.139 in	[3.541 mm]	
Rise Angle (RA)	3.120	[3.120]	
Spring Rate (K)	1.18194 lbs/in	0.207 N/mm	+/- 0.118
Max Load (ML)	0.892 lbf	3.970 N	+/- 0.089
Max Travel (MT)	0.755 in	19.177 mm	
Material Shear Modulus (G)	9949475.938 PSI	68599221788.087 Pa	
Max Shear Stress Possible (t max)	127840.000 PSI	881425772.337 Pa	
Wahl Correction Factor (W)	1.078	1.078	



Notes	Scale: 2.445	Revision #:	Drawn By:	Approved By:
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