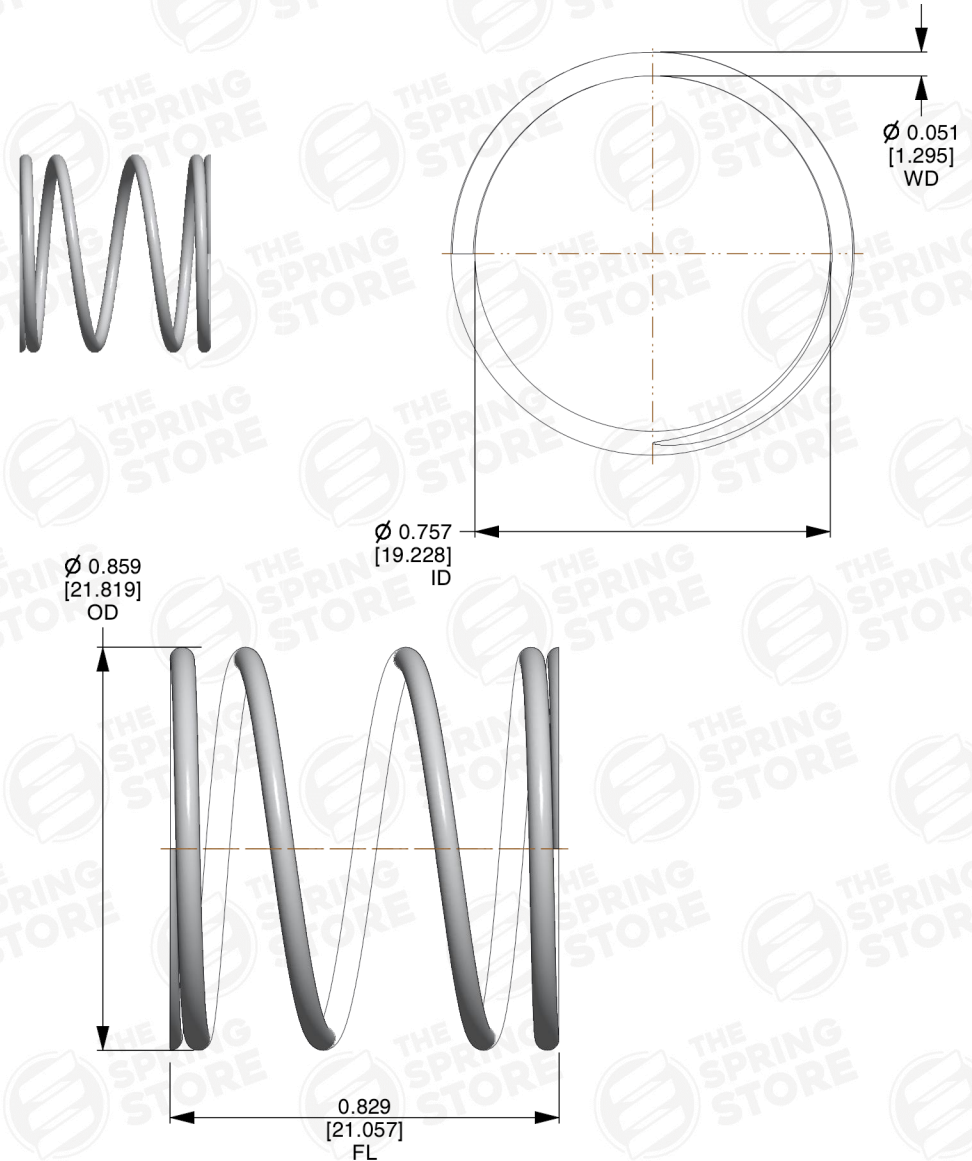


Part Name:	Date: 06/02/2026
Part #: in PC051-859-5000-SST-0829-CG-N-IN	
Spring Type: Compression Spring	End Type: Closed & Ground End
Finish: None	Direction of Wind: Right Hand
Material: Stainless 302 ASTM A313	Spring Index (I): 15.843
Weight / M: 7.494 Lbs	Length of W: 12.692 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.051 in	[1.295 mm]	+/- 0.001
Outer Diameter (OD)	0.859 in	[21.819 mm]	+/- 0.020
Mean Diameter (MD)	0.808 in	[20.523 mm]	+/- 0.020
Inner Diameter (ID)	0.757 in	[19.228 mm]	+/- 0.020
Free Length (FL)	0.829 in	[21.057 mm]	+/- 0.025
Active Coils (AC)	3.000	3.000	+/- 1/4 Coil
Total Coils (TC)	5.000	5.000	+/- 1/4 Coil
Solid Height (SH)	0.255 in	[6.477 mm]	+/- 0.018
Coil Pitch (CP)	0.242 in	[6.154 mm]	
Rise Angle (RA)	5.453	[5.453]	
Spring Rate (K)	5.31662 lbs/in	0.931 N/mm	+/- 0.532
Max Load (ML)	3.052 lbf	13.575 N	+/- 0.305
Max Travel (MT)	0.574 in	14.580 mm	
Material Shear Modulus (G)	9949475.938 PSI	68599221788.087 Pa	
Max Shear Stress Possible (t max)	125490.000 PSI	865223092.699 Pa	
Wahl Correction Factor (W)	1.089	1.089	



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