



By **ACCESS SPRING**

**Force that
EMPOWERS**

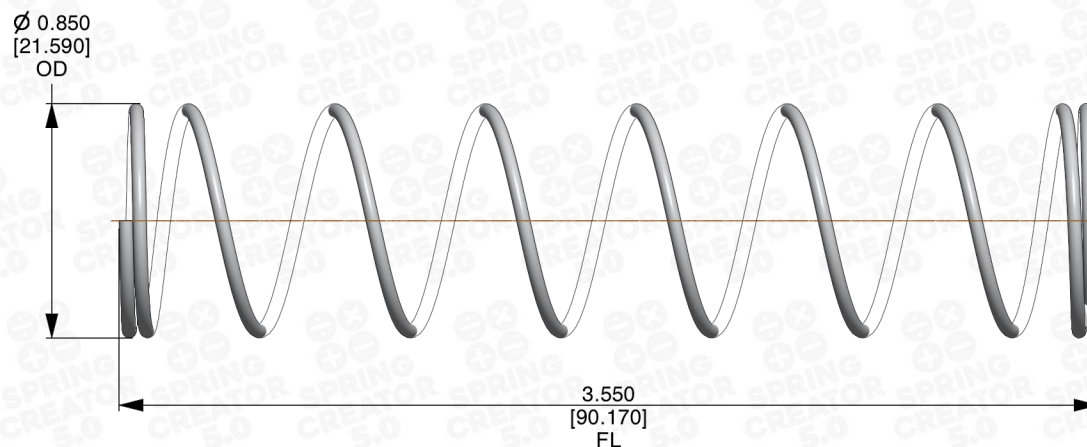
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Part Name:	Date: 06/02/2026
Part #: in PC050-850-9130-SST-3550-C-N-IN	
(Click to see Part # on Website)	
Spring Type: Compression Spring	End Type: Closed End
Finish: None	Direction of Wind: Right Hand
Material: Stainless 302 ASTM A313	Spring Index (I): 16.000
Weight / M: 13.022 Lbs	Length of W: 22.946 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.050 in	[1.270 mm]	+/- 0.001
Outer Diameter (OD)	0.850 in	[21.590 mm]	+/- 0.015
Mean Diameter (MD)	0.800 in	[20.320 mm]	+/- 0.015
Inner Diameter (ID)	0.750 in	[19.050 mm]	+/- 0.015
Free Length (FL)	3.550 in	[90.170 mm]	+/- 0.100
Active Coils (AC)	7.130	7.130	+/- 1/4 Coil
Total Coils (TC)	9.130	9.130	+/- 1/4 Coil
Solid Height (SH)	0.507 in	[12.878 mm]	+/- 0.035
Coil Pitch (CP)	0.477 in	[12.113 mm]	
Rise Angle (RA)	10.743	[10.743]	
Spring Rate (K)	2.12927 lbs/in	0.373 N/mm	+/- 0.213
Max Load (ML)	6.480 lbf	28.826 N	+/- 0.648
Max Travel (MT)	3.043 in	77.305 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)	1.088	1.088	



Notes	Scale: 1.437	Revision #:	Drawn By:	Approved By:
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