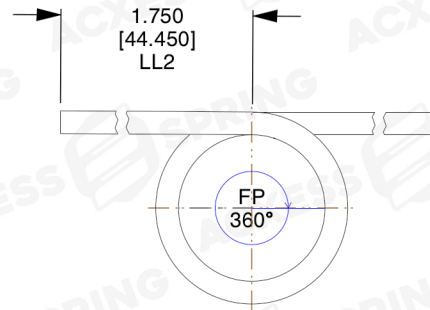
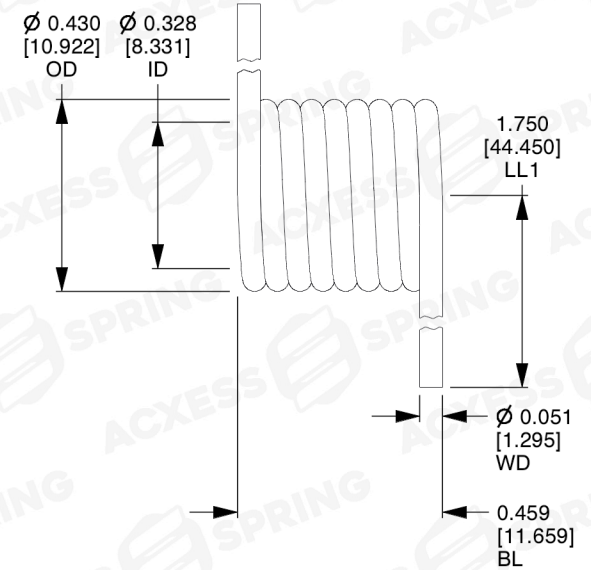


Part Name:	Date: 06/02/2026
Part #: in PT051-430-8000-SST-RH-1750-N-IN 	
Spring Type: Torsion Spring	Material: Stainless 302 ASTM A313
Finish: None	Direction of Wind: Right Hand
Weight / M: 7.690 Lbs	Length of W: 13.025 in
Spring Index (I): 7.431	

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.051 in	[1.295 mm]	+/- 0.001
Outer Diameter (OD)	0.430 in	[10.922 mm]	+/- 0.008
Mean Diameter (MD)	0.379 in	[9.627 mm]	+/- 0.008
Inner Diameter (ID)	0.328 in	[8.331 mm]	+/- 0.008
Length Leg 1 (LL1)	1.750 in	[44.450 mm]	+/- 0.060
Length Leg 2 (LL2)	1.750 in	[44.450 mm]	+/- 0.060
Total Leg Length (TLL)	3.500 in	[88.900 mm]	+/- 0.060
Total Coils (TC)	8.000	8.000	+/- 1/8 Coil
Body Length (BL)	0.459 in	[11.659 mm]	+/- 0.015
Free Position (FP)	0 Deg	0 Deg	
Rate per Degree	0.01467 in-lbs/Deg	1.657 N-mm/Deg	+/- 0.001
Max Torque	2.271 in-lbs	256.623 N-mm	+/- 0.227
Max Travel (MT)	154.786 Deg	154.786 Deg	
Material Shear Modulus (G)	9949475.938 PSI	68599221788.087 Pa	
Max Shear Stress Possible (t max)	19820.554 PSI	136657911.311 Pa	
Wahl Correction Factor	1.199	1.199	
Torque 1(T1)	@	Deg. of Defl.	
Torque 2(T2)	@	Deg. of Defl.	



Notes	Scale: 2.326	Revision #:	Drawn By:	Approved By:
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