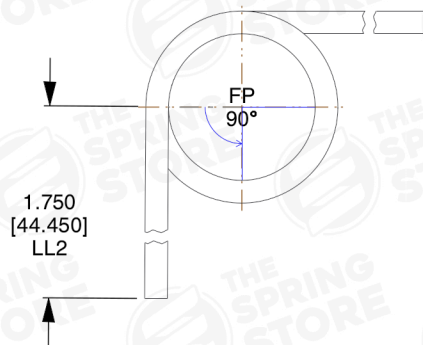
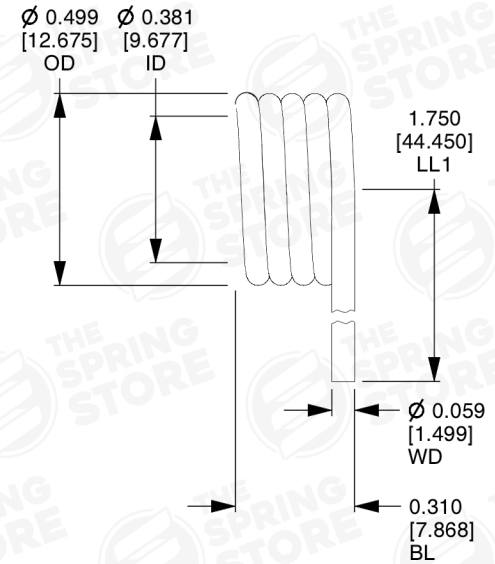


Part Name:	Date: 06/02/2026
Part #: in PT059-499-4250-SST-RH-1750-N-IN 	
(Click to see Part # on Website)	
Spring Type: Torsion Spring	Material: Stainless 302 ASTM A313
Finish: None	Direction of Wind: Right Hand
Weight / M: 7.408 Lbs	Length of W: 9.375 in
Spring Index (I): 7.458	

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.059 in	[1.499 mm]	+/- 0.001
Outer Diameter (OD)	0.499 in	[12.675 mm]	+/- 0.008
Mean Diameter (MD)	0.440 in	[11.176 mm]	+/- 0.008
Inner Diameter (ID)	0.381 in	[9.677 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)	4.250	4.250	+/- 1/8 Coil
Body Length (BL)	0.310 in	[7.874 mm]	+/- 0.015
Free Position (FP)	90 Deg	90 Deg	
Rate per Degree	0.04262 in-lbs/Deg	4.815 N-mm/Deg	+/- 0.004
Max Torque	3.441 in-lbs	388.798 N-mm	+/- 0.344
Max Travel (MT)	80.750 Deg	80.750 Deg	
Material Shear Modulus (G)	9949475.938 PSI	68599221788.087 Pa	
Max Shear Stress Possible (t max)	22502.269 PSI	155147682.952 Pa	
Wahl Correction Factor	1.199	1.199	
Torque 1(T1)		@	Deg. of Defl.
Torque 2(T2)		@	Deg. of Defl.



Notes	Scale: 2.004	Revision #:	Drawn By:	Approved By:
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