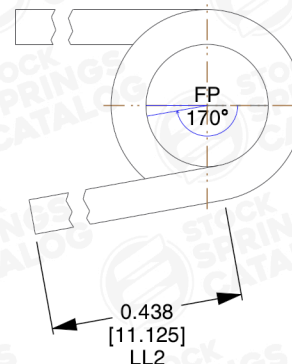
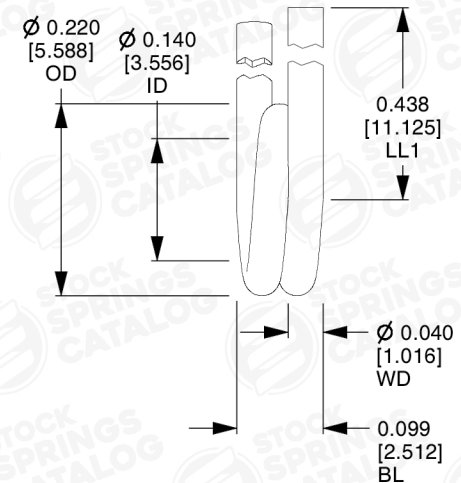


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PT040-220-1472-SST-LH-0438-N-IN 
Spring Type: Torsion Spring	Material: Stainless 302 ASTM A313
Finish: None	Direction of Wind: Left Hand
Weight / M: 0.621 Lbs	Length of W: 1.708 in
Spring Index (I): 4.500	

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.040 in	[1.016 mm]	+/- 0.001
Outer Diameter (OD)	0.220 in	[5.588 mm]	+/- 0.005
Mean Diameter (MD)	0.180 in	[4.572 mm]	+/- 0.005
Inner Diameter (ID)	0.140 in	[3.556 mm]	+/- 0.005
Length Leg 1 (LL1)	0.438 in	[11.125 mm]	+/- 0.040
Length Leg 2 (LL2)	0.438 in	[11.125 mm]	+/- 0.040
Total Leg Length (TLL)	0.876 in	[22.250 mm]	+/- 0.040
Total Coils (TC)	1.472	1.472	+/- 1/8 Coil
Body Length (BL)	0.099 in	[2.515 mm]	+/- 0.015
Free Position (FP)	169 Deg	169 Deg	
Rate per Degree	0.06354 in-lbs/Deg	7.179 N-mm/Deg	+/- 0.006
Max Torque	1.115 in-lbs	126.029 N-mm	+/- 0.112
Max Travel (MT)	17.555 Deg	17.555 Deg	
Material Shear Modulus (G)	9949475.938 PSI	68599221788.087 Pa	
Max Shear Stress Possible (t max)	10793.039 PSI	74415382.911 Pa	
Wahl Correction Factor	1.351	1.351	



Notes	Scale: 4.545	Revision #:	Drawn By:	Approved By:
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