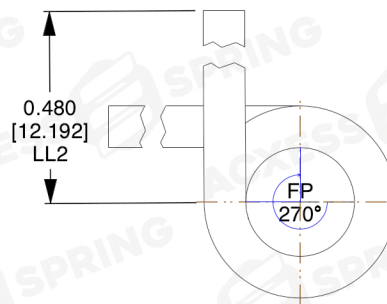
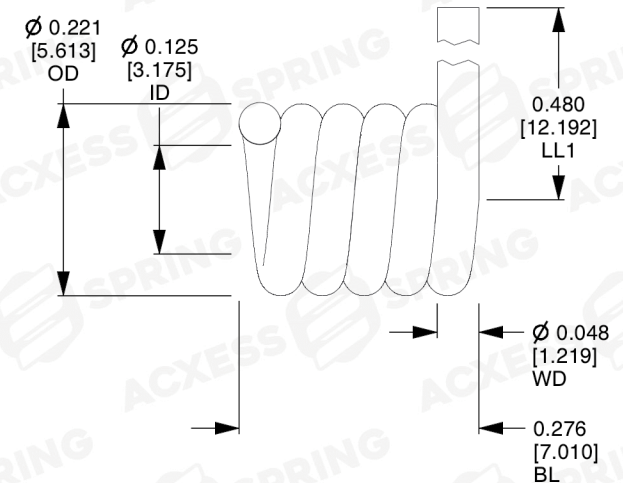


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PT048-221-4750-MW-LH-0480-N-IN 
Spring Type: Torsion Spring	Material: Music Wire ASTM A228
Finish: None	Direction of Wind: Left Hand
Weight / M: 1.821 Lbs	Length of W: 3.542 in
Spring Index (I): 3.604	

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.048 in	[1.219 mm]	+/- 0.001
Outer Diameter (OD)	0.221 in	[5.613 mm]	+/- 0.005
Mean Diameter (MD)	0.173 in	[4.394 mm]	+/- 0.005
Inner Diameter (ID)	0.125 in	[3.175 mm]	+/- 0.005
Length Leg 1 (LL1)	0.480 in	[12.192 mm]	+/- 0.040
Length Leg 2 (LL2)	0.480 in	[12.192 mm]	+/- 0.040
Total Leg Length (TLL)	0.960 in	[24.384 mm]	+/- 0.040
Total Coils (TC)	4.750	4.750	+/- 1/8 Coil
Body Length (BL)	0.276 in	[7.010 mm]	+/- 0.015
Free Position (FP)	270 Deg	270 Deg	
Rate per Degree	0.04908 in-lbs/Deg	5.545 N-mm/Deg	+/- 0.005
Max Torque	2.108 in-lbs	238.162 N-mm	+/- 0.211
Max Travel (MT)	42.955 Deg	42.955 Deg	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Max Shear Stress Possible (t max)	12248.857 PSI	84452896.959 Pa	
Wahl Correction Factor	1.459	1.459	



Notes	Scale: 4.525	Revision #:	Drawn By:	Approved By:
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