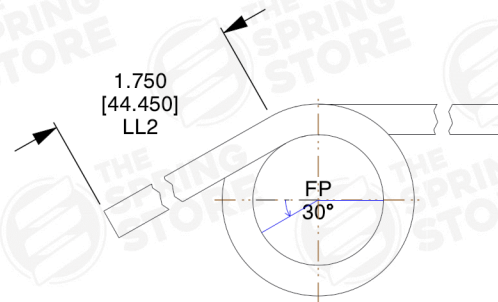
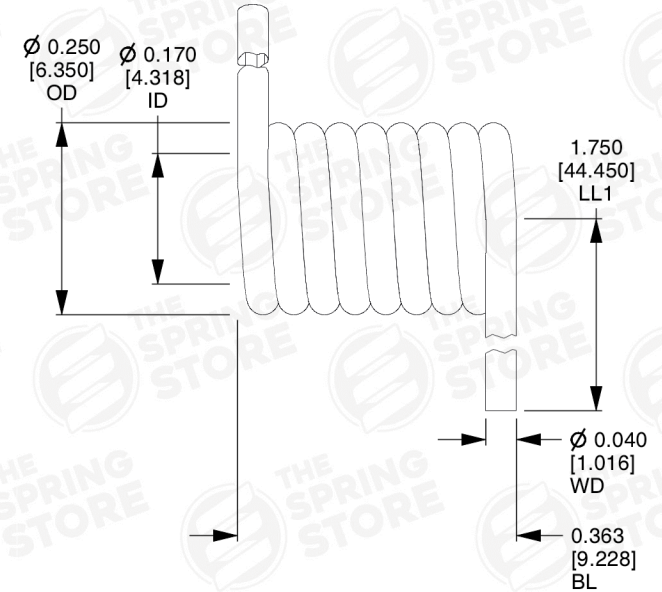


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PT040-250-8083-MW-RH-1750-N-IN 
Spring Type: Torsion Spring	Material: Music Wire ASTM A228
Finish: None	Direction of Wind: Right Hand
Weight / M: 3.154 Lbs	Length of W: 8.833 in
Spring Index (I): 5.250	

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.040 in	[1.016 mm]	+/- 0.001
Outer Diameter (OD)	0.250 in	[6.350 mm]	+/- 0.005
Mean Diameter (MD)	0.210 in	[5.334 mm]	+/- 0.005
Inner Diameter (ID)	0.170 in	[4.318 mm]	+/- 0.005
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)	8.083	8.083	+/- 1/8 Coil
Body Length (BL)	0.363 in	[9.220 mm]	+/- 0.015
Free Position (FP)	29 Deg	29 Deg	
Rate per Degree	0.01146 in-lbs/Deg	1.295 N-mm/Deg	+/- 0.001
Max Torque	1.276 in-lbs	144.151 N-mm	+/- 0.128
Max Travel (MT)	111.363 Deg	111.363 Deg	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Max Shear Stress Possible (t max)	13791.484 PSI	95088932.270 Pa	
Wahl Correction Factor	1.294	1.294	



Notes	Scale: 4.000	Revision #:	Drawn By:	Approved By:
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