



Force that
EMPOWERS

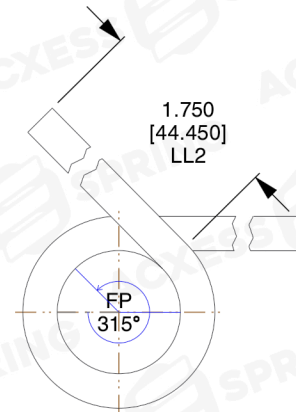
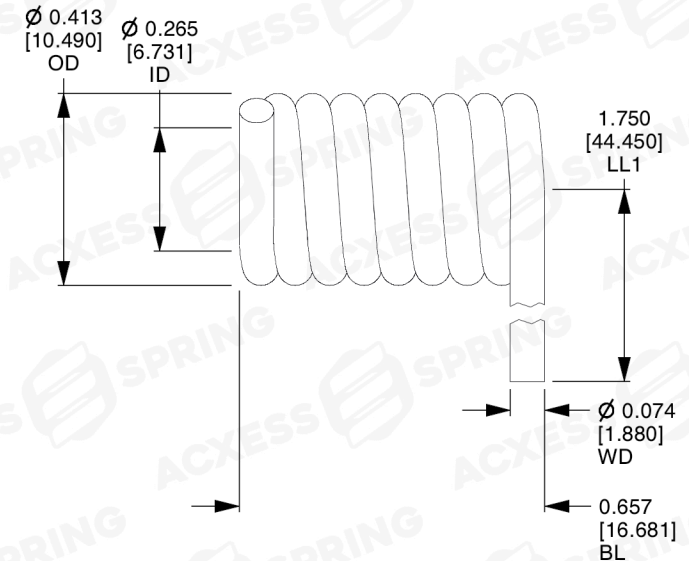


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Part Name:	Date: 06/02/2026
Part #: in PT074-413-7875-MW-RH-1750-N-IN	
(Click to see Part # on Website)	
Spring Type: Torsion Spring	Material: Music Wire ASTM A228
Finish: None	Direction of Wind: Right Hand
Weight / M: 14.526 Lbs	Length of W: 11.887 in
Spring Index (I): 4.581	

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.074 in	[1.880 mm]	+/- 0.001
Outer Diameter (OD)	0.413 in	[10.490 mm]	+/- 0.008
Mean Diameter (MD)	0.339 in	[8.611 mm]	+/- 0.008
Inner Diameter (ID)	0.265 in	[6.731 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)	7.875	7.875	+/- 1/8 Coil
Body Length (BL)	0.657 in	[16.688 mm]	+/- 0.025
Free Position (FP)	315 Deg	315 Deg	
Rate per Degree	0.08533 in-lbs/Deg	9.641 N-mm/Deg	+/- 0.009
Max Torque	7.272 in-lbs	821.602 N-mm	+/- 0.727
Max Travel (MT)	85.221 Deg	85.221 Deg	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Max Shear Stress Possible (t max)	20816.308 PSI	143523392.637 Pa	
Wahl Correction Factor	1.344	1.344	
Torque 1(T1)		@	Deg. of Defl.
Torque 2(T2)		@	Deg. of Defl.

Notes



Scale: 2.421	Revision #:	Drawn By:	Approved By:
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