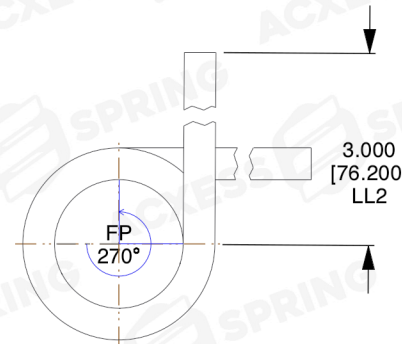
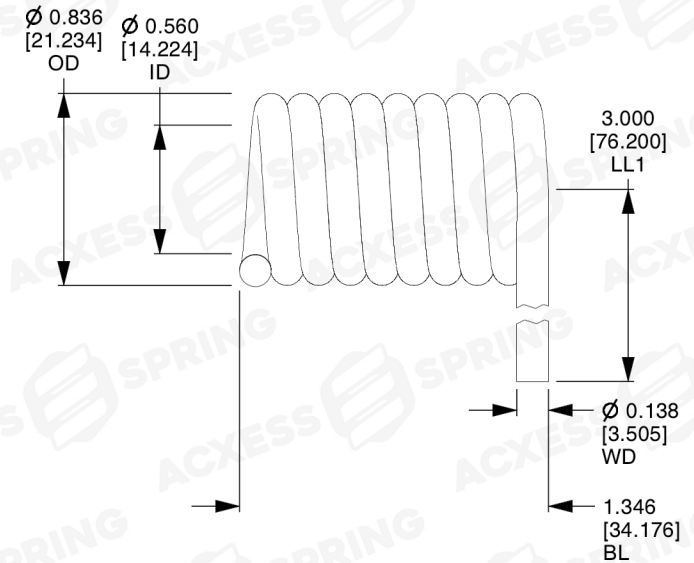


|                                                                                                                                             |                                |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Part Name:                                                                                                                                  | Date: 06/02/2026               |
| Part #: in <a href="#">PT138-836-8750-MW-RH-3000-N-IN</a>  |                                |
| (Click to see Part # on Website)                                                                                                            |                                |
| Spring Type: Torsion Spring                                                                                                                 | Material: Music Wire ASTM A228 |
| Finish: None                                                                                                                                | Direction of Wind: Right Hand  |
| Weight / M: 107.044 Lbs                                                                                                                     | Length of W: 25.187 in         |
| Spring Index (I): 5.058                                                                                                                     |                                |

| Physical Dimensions               | IN                 | MM                 | Tolerances (in) |
|-----------------------------------|--------------------|--------------------|-----------------|
| Wire Diameter (WD)                | 0.138 in           | [3.505 mm]         | +/- 0.001       |
| Outer Diameter (OD)               | 0.836 in           | [21.234 mm]        | +/- 0.015       |
| Mean Diameter (MD)                | 0.698 in           | [17.729 mm]        | +/- 0.015       |
| Inner Diameter (ID)               | 0.560 in           | [14.224 mm]        | +/- 0.015       |
| Length Leg 1 (LL1)                | 3.000 in           | [76.200 mm]        | +/- 0.135       |
| Length Leg 2 (LL2)                | 3.000 in           | [76.200 mm]        | +/- 0.135       |
| Total Leg Length (TLL)            | 6.000 in           | [152.400 mm]       | +/- 0.135       |
| Total Coils (TC)                  | 8.750              | 8.750              | +/- 1/8 Coil    |
| Body Length (BL)                  | 1.346 in           | [34.188 mm]        | +/- 0.050       |
| Free Position (FP)                | 270 Deg            | 270 Deg            |                 |
| Rate per Degree                   | 0.45112 in-lbs/Deg | 50.968 N-mm/Deg    | +/- 0.045       |
| Max Torque                        | 42.630 in-lbs      | 4816.326 N-mm      | +/- 4.263       |
| Max Travel (MT)                   | 94.498 Deg         | 94.498 Deg         |                 |
| Material Shear Modulus (G)        | 11492970.929 PSI   | 79241245134.131 Pa |                 |
| Max Shear Stress Possible (t max) | 37666.242 PSI      | 259699598.315 Pa   |                 |
| Wahl Correction Factor            | 1.306              | 1.306              |                 |
| Torque 1(T1)                      |                    | @                  | Deg. of Defl.   |
| Torque 2(T2)                      |                    | @                  | Deg. of Defl.   |

|       |  |
|-------|--|
| Notes |  |
|-------|--|



|                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |           |                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scale: 1.196                                                                                                                                                                                                                                                                                                                                                                                                                                    | Revision #: | Drawn By: | Approved By:                                                                                                                                                                                                                                                                                                                            |
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