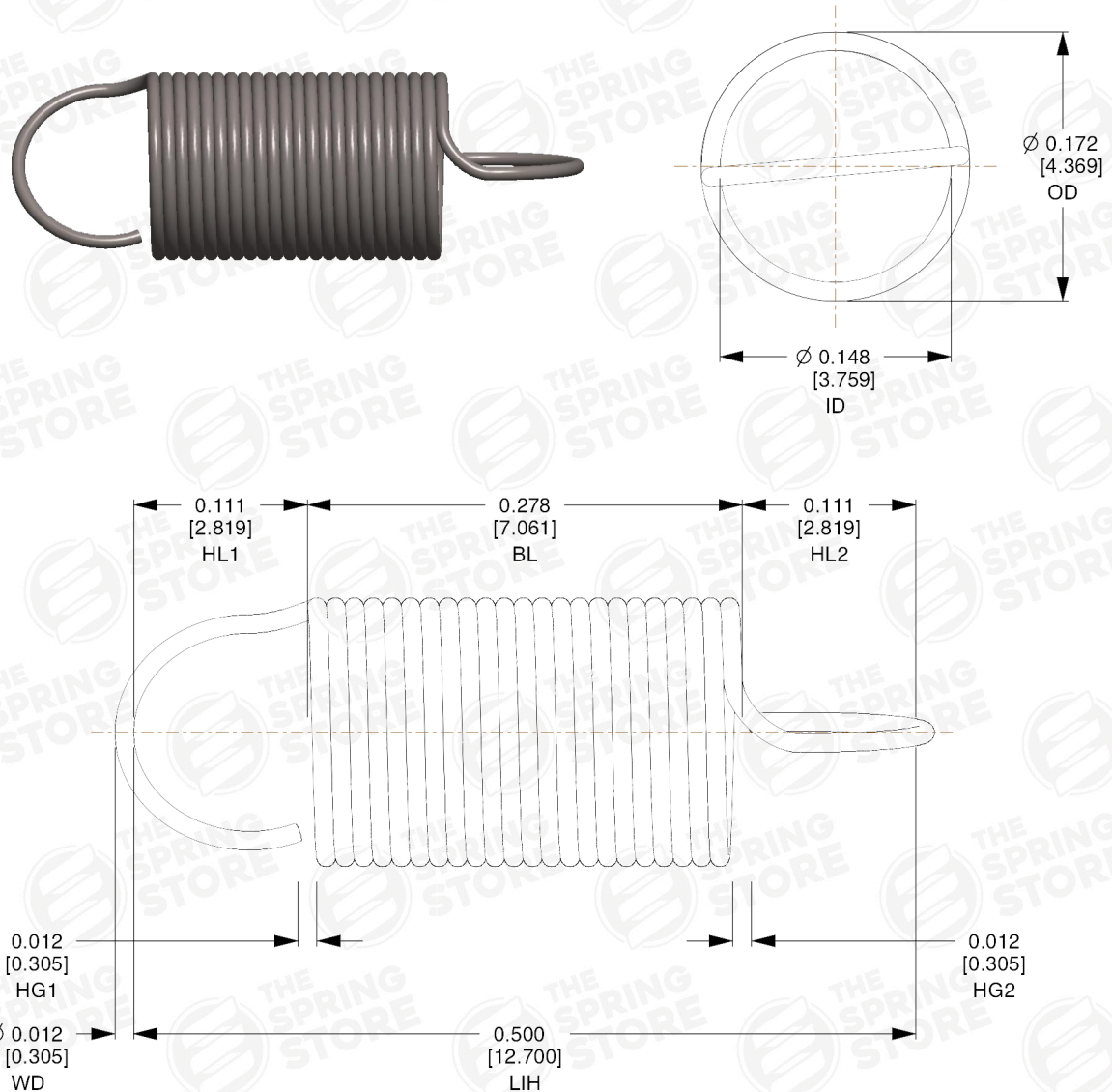


|                                                |                                                   |
|------------------------------------------------|---------------------------------------------------|
| Part Name:                                     | Date: 06/02/2026                                  |
| Part #: in<br>(Click to see Part # on Website) | PE012-172-22167-MW-0500-MH-N-IN <a href="#">↗</a> |
| Spring Type: Extension Spring                  | End Type: Machine Hook                            |
| Finish: None                                   | Direction of Wind: Right Hand                     |
| Material: Music Wire ASTM A228                 | Spring Index (I): 13.333                          |
| Weight / M: 0.380 Lbs                          | Length of W: 11.833 in                            |

| Physical Dimensions       | IN       | MM          | Tolerances (in) |
|---------------------------|----------|-------------|-----------------|
| Wire Diameter (WD)        | 0.012 in | [0.305 mm]  | +/- 0.001       |
| Outer Diameter (OD)       | 0.172 in | [4.369 mm]  | +/- 0.005       |
| Mean Diameter (MD)        | 0.160 in | [4.064 mm]  | +/- 0.005       |
| Inner Diameter (ID)       | 0.148 in | [3.759 mm]  | +/- 0.005       |
| Length Inside Hooks (LIH) | 0.500 in | [12.700 mm] | +/- 0.015       |
| Body Length (BL)          | 0.278 in | [7.061 mm]  | +/- 0.015       |
| Hook Gap 1 (HG1)          | 0.012 in | [0.305] mm  |                 |
| Hook Gap 2 (HG2)          | 0.012 in | [0.305] mm  |                 |
| Hook Length 1 (HL1)       | 0.111 in | [2.819] mm  |                 |
| Hook Length 2 (HL2)       | 0.111 in | [2.819] mm  |                 |
| Total Hook Length (THL)   | 0.222 in | [5.639] mm  |                 |

|                                   |                  |                    |           |
|-----------------------------------|------------------|--------------------|-----------|
| Spring Rate (K)                   | 0.32810 lbs/in   | 0.057 N/mm         | +/- 0.033 |
| Max Load (ML)                     | 0.556 lbf        | 2.474 N            | +/- 0.056 |
| Max Travel (MT)                   | 1.584 in         | 40.244 mm          |           |
| Initial Tension (IT)              | 0.036 lbf        | 0.161 N            |           |
| Max Shear Stress Possible (t max) | 177190.000 PSI   | 1221682044.747 Pa  |           |
| Material Shear Modulus (G)        | 11492970.929 PSI | 79241245134.131 Pa |           |
| Wahl Correction Factor (W)        | 1.107            | 1.107              |           |



Note: Body Length, Total Coils, End Type and End Position is for reference only.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |             |           |                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes                                                                                                                                                                                                                                                                                                                                                                                                                                           | Scale: 8.430 | Revision #: | Drawn By: | Approved By:                                                                                                                                                                                                                       |
| This file and any associated information and specifications are provided for reference and evaluation purposes only, and is subject to change without notice. Access Spring makes no representations, warranties or guarantees as to the appropriateness, accuracy, completeness, or suitability for any purpose, of the file, information or specifications. You are solely responsible for the use of the file, information or specification. |              |             |           | This Drawing is the property of<br><b>ACCESS SPRING</b><br>It may contain confidential, proprietary information, that is Access Spring property. Do not disclose to or duplicate for others except as authorized by Access Spring. |