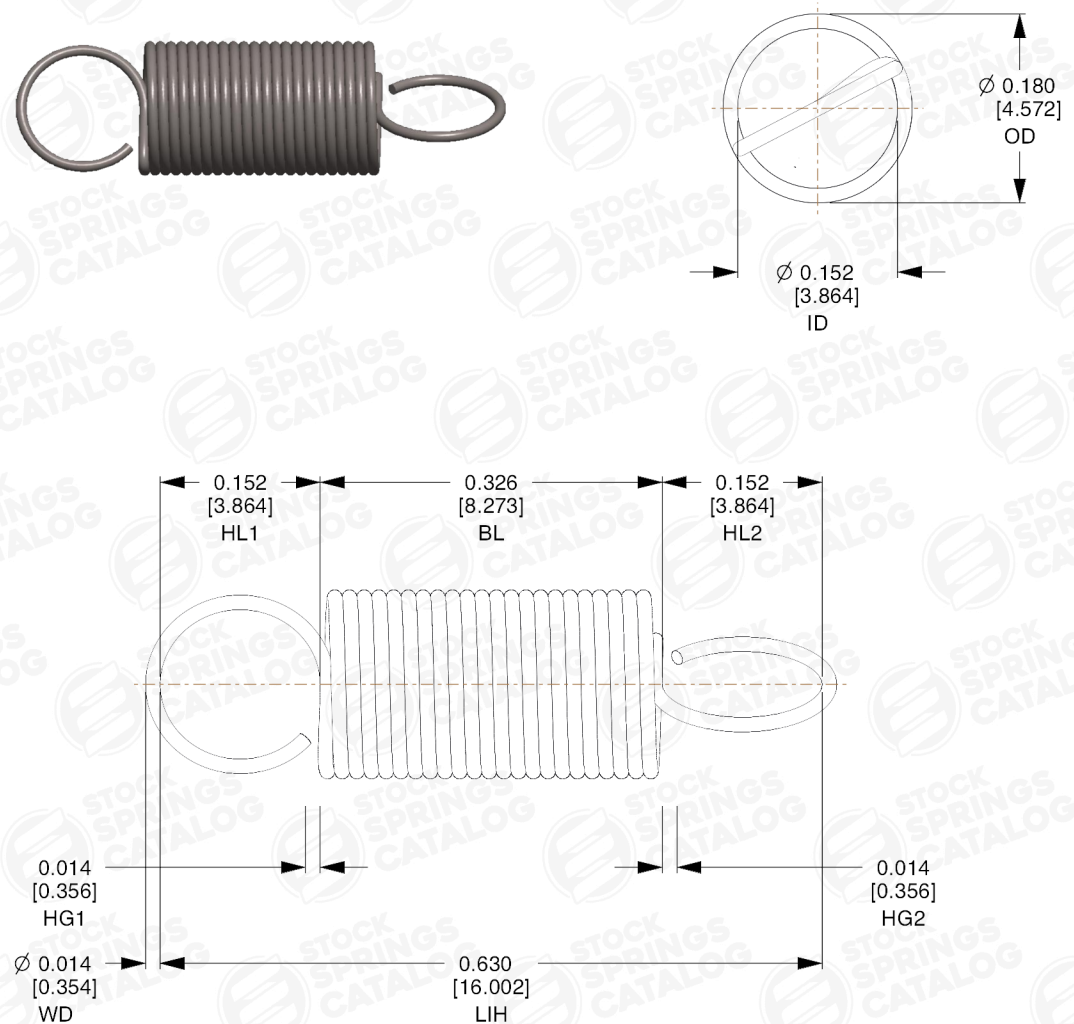


|                                                               |                                                 |
|---------------------------------------------------------------|-------------------------------------------------|
| Part Name:                                                    | Date: 06/02/2026                                |
| Part #: in<br><small>(Click to see Part # on Website)</small> | <a href="#">PE014-180-22286-MW-0630-CO-N-IN</a> |
| Spring Type: Extension Spring                                 | End Type: Cross-Over Hook                       |
| Finish: None                                                  | Direction of Wind: Right Hand                   |
| Material: Music Wire ASTM A228                                | Spring Index (I): 11.857                        |
| Weight / M: 0.567 Lbs                                         | Length of W: 12.969 in                          |

| Physical Dimensions       | IN       | MM          | Tolerances (in) |
|---------------------------|----------|-------------|-----------------|
| Wire Diameter (WD)        | 0.014 in | [0.356 mm]  | +/- 0.001       |
| Outer Diameter (OD)       | 0.180 in | [4.572 mm]  | +/- 0.005       |
| Mean Diameter (MD)        | 0.166 in | [4.216 mm]  | +/- 0.005       |
| Inner Diameter (ID)       | 0.152 in | [3.861 mm]  | +/- 0.005       |
| Length Inside Hooks (LIH) | 0.630 in | [16.002 mm] | +/- 0.025       |
| Body Length (BL)          | 0.326 in | [8.280 mm]  | +/- 0.015       |
| Hook Gap 1 (HG1)          | 0.014 in | [0.356] mm  |                 |
| Hook Gap 2 (HG2)          | 0.014 in | [0.356] mm  |                 |
| Hook Length 1 (HL1)       | 0.152 in | [3.861] mm  |                 |
| Hook Length 2 (HL2)       | 0.152 in | [3.861] mm  |                 |
| Total Hook Length (THL)   | 0.304 in | [7.722] mm  |                 |

|                                   |                  |                    |           |
|-----------------------------------|------------------|--------------------|-----------|
| Spring Rate (K)                   | 0.54138 lbs/in   | 0.095 N/mm         | +/- 0.054 |
| Max Load (ML)                     | 0.804 lbf        | 3.577 N            | +/- 0.080 |
| Max Travel (MT)                   | 1.369 in         | 34.775 mm          |           |
| Initial Tension (IT)              | 0.063 lbf        | 0.280 N            |           |
| Max Shear Stress Possible (t max) | 173430.000 PSI   | 1195757757.325 Pa  |           |
| Material Shear Modulus (G)        | 11492970.929 PSI | 79241245134.131 Pa |           |
| Wahl Correction Factor (W)        | 1.121            | 1.121              |           |



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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |             |           |                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Scale: 5.472 | Revision #: | Drawn By: | Approved By:                                                                                                                                                                                                                                          |
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