



Force that  
**EMPOWERS**

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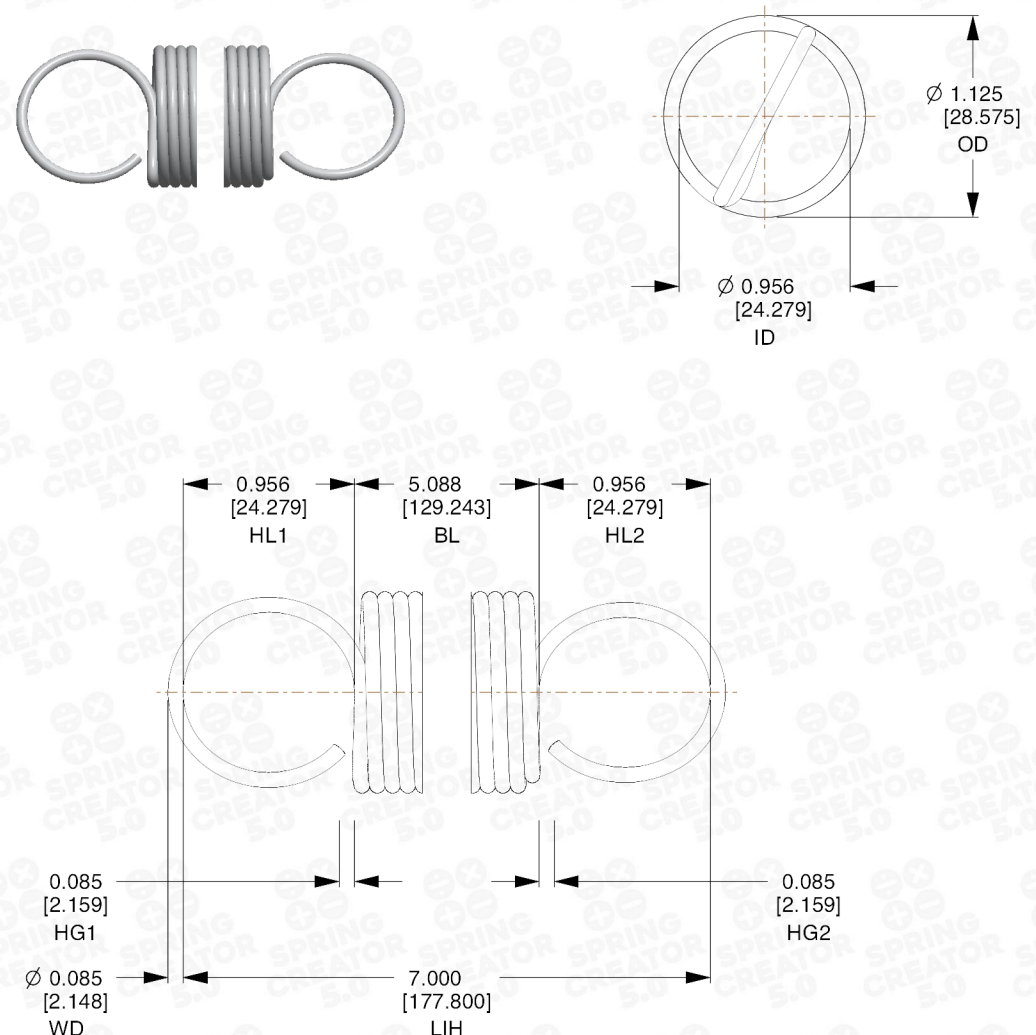
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|                                                |                                                     |
|------------------------------------------------|-----------------------------------------------------|
| Part Name:                                     | Date: 06/02/2026                                    |
| Part #: in<br>(Click to see Part # on Website) | PE085-1125-58882-SST-7000-CO-N-IN <a href="#">↗</a> |
| Spring Type: Extension Spring                  | End Type: Cross-Over Hook                           |
| Finish: None                                   | Direction of Wind: Right Hand                       |
| Material: Stainless 302 ASTM A313              | Spring Index (I): 12.235                            |
| Weight / M: 329.363 Lbs                        | Length of W: 200.827 in                             |

| Physical Dimensions       | IN       | MM           | Tolerances (in) |
|---------------------------|----------|--------------|-----------------|
| Wire Diameter (WD)        | 0.085 in | [2.159 mm]   | +/- 0.001       |
| Outer Diameter (OD)       | 1.125 in | [28.575 mm]  | +/- 0.020       |
| Mean Diameter (MD)        | 1.040 in | [26.416 mm]  | +/- 0.020       |
| Inner Diameter (ID)       | 0.955 in | [24.257 mm]  | +/- 0.020       |
| Length Inside Hooks (LIH) | 7.000 in | [177.800 mm] | +/- 0.200       |
| Body Length (BL)          | 5.090 in | [129.286 mm] | +/- 0.200       |
| Hook Gap 1 (HG1)          | 0.085 in | [2.159] mm   |                 |
| Hook Gap 2 (HG2)          | 0.085 in | [2.159] mm   |                 |
| Hook Length 1 (HL1)       | 0.955 in | [24.257] mm  |                 |
| Hook Length 2 (HL2)       | 0.955 in | [24.257] mm  |                 |
| Total Hook Length (THL)   | 1.910 in | [48.514] mm  |                 |

|                                   |                 |                    |           |
|-----------------------------------|-----------------|--------------------|-----------|
| Spring Rate (K)                   | 0.98017 lbs/in  | 0.172 N/mm         | +/- 0.098 |
| Max Load (ML)                     | 19.226 lbf      | 85.519 N           | +/- 1.923 |
| Max Travel (MT)                   | 17.389 in       | 441.691 mm         |           |
| Initial Tension (IT)              | 2.181 lbf       | 9.701 N            |           |
| Max Shear Stress Possible (t max) | 115620.000 PSI  | 797171838.217 Pa   |           |
| Material Shear Modulus (G)        | 9949475.938 PSI | 68599221788.087 Pa |           |
| Wahl Correction Factor (W)        | 1.117           | 1.117              |           |



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

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |           |                                                                                                                                                                                                                                    |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes | Scale: 0.933                                                                                                                                                                                                                                                                                                                                                                                                                                    | Revision #: | Drawn By: | Approved By:                                                                                                                                                                                                                       |
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