



Force that  
**EMPOWERS**

sales@springcreator.com Ph 951 276 2777

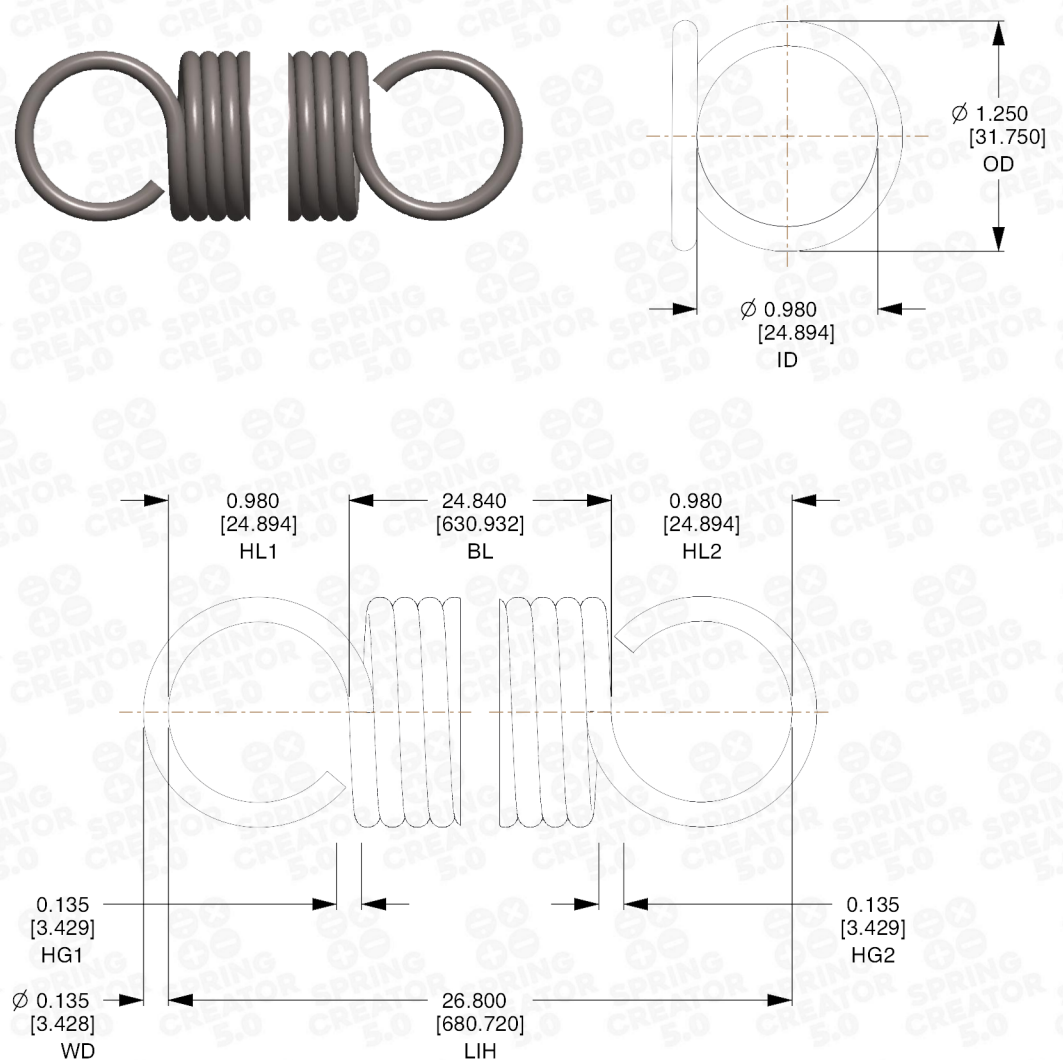
2225 E. Cooley Dr Colton, CA 92324

www.springcreator.com

|                                                |                                                    |
|------------------------------------------------|----------------------------------------------------|
| Part Name:                                     | Date: 06/02/2026                                   |
| Part #: in<br>(Click to see Part # on Website) | <a href="#">PE135-1250-183000-MW-26800-SH-N-IN</a> |
| Spring Type: Extension Spring                  | End Type: Side Hook                                |
| Finish: None                                   | Direction of Wind: Right Hand                      |
| Material: Music Wire ASTM A228                 | Spring Index (I): 8.259                            |
| Weight / M: 2643.623 Lbs                       | Length of W: 649.992 in                            |

| Physical Dimensions       | IN        | MM           | Tolerances (in) |
|---------------------------|-----------|--------------|-----------------|
| Wire Diameter (WD)        | 0.135 in  | [3.429 mm]   | +/- 0.001       |
| Outer Diameter (OD)       | 1.250 in  | [31.750 mm]  | +/- 0.025       |
| Mean Diameter (MD)        | 1.115 in  | [28.321 mm]  | +/- 0.025       |
| Inner Diameter (ID)       | 0.980 in  | [24.892 mm]  | +/- 0.025       |
| Length Inside Hooks (LIH) | 26.800 in | [680.720 mm] | +/- 0.800       |
| Body Length (BL)          | 24.840 in | [630.936 mm] | +/- 0.650       |
| Hook Gap 1 (HG1)          | 0.135 in  | [3.429] mm   |                 |
| Hook Gap 2 (HG2)          | 0.135 in  | [3.429] mm   |                 |
| Hook Length 1 (HL1)       | 0.980 in  | [24.892] mm  |                 |
| Hook Length 2 (HL2)       | 0.980 in  | [24.892] mm  |                 |
| Total Hook Length (THL)   | 1.960 in  | [49.784] mm  |                 |

|                                   |                  |                    |           |
|-----------------------------------|------------------|--------------------|-----------|
| Spring Rate (K)                   | 1.88106 lbs/in   | 0.329 N/mm         | +/- 0.188 |
| Max Load (ML)                     | 71.217 lbf       | 316.788 N          | +/- 7.122 |
| Max Travel (MT)                   | 31.401 in        | 797.580 mm         |           |
| Initial Tension (IT)              | 12.150 lbf       | 54.047 N           |           |
| Max Shear Stress Possible (t max) | 121730.000 PSI   | 839298805.277 Pa   |           |
| Material Shear Modulus (G)        | 11492970.929 PSI | 79241245134.131 Pa |           |
| Wahl Correction Factor (W)        | 1.178            | 1.178              |           |



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

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |           |                                                                                                                                                                                                                                    |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes | Scale: 0.960                                                                                                                                                                                                                                                                                                                                                                                                                                    | 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. |