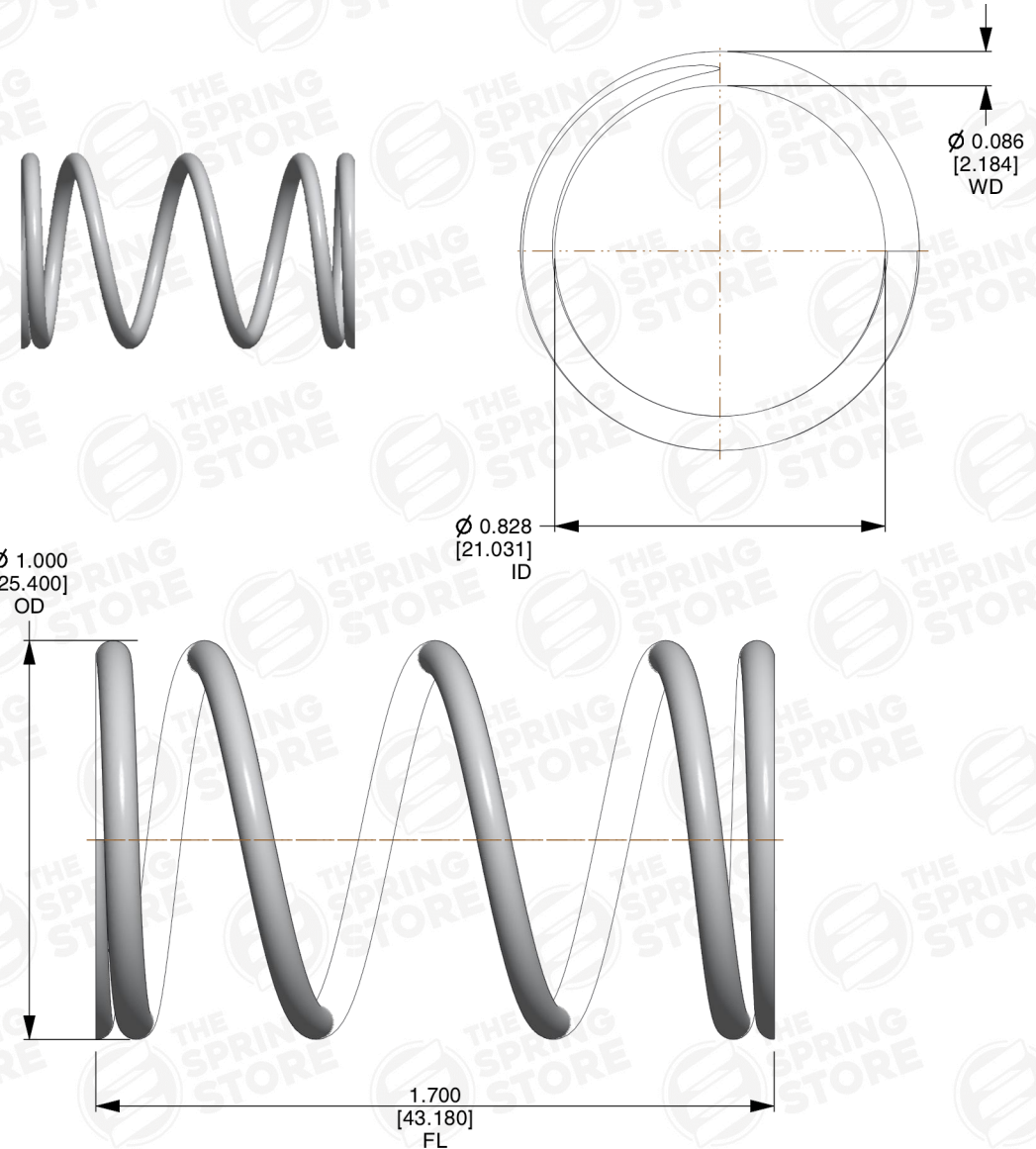


|                                                |                                                  |
|------------------------------------------------|--------------------------------------------------|
| Part Name:                                     | Date: 06/02/2026                                 |
| Part #: in<br>(Click to see Part # on Website) | <a href="#">PC086-1000-5500-316-1700-CG-N-IN</a> |
| Spring Type: Compression Spring                | End Type: Closed & Ground End                    |
| Finish: None                                   | Direction of Wind: Right Hand                    |
| Material: Stainless 316 ASTM A316              | Spring Index (I): 10.628                         |
| Weight / M: 26.514 Lbs                         | Length of W: 15.793 in                           |

| Physical Dimensions               | IN               | MM                 | Tolerances (in) |
|-----------------------------------|------------------|--------------------|-----------------|
| Wire Diameter (WD)                | 0.086 in         | [2.184 mm]         | +/- 0.001       |
| Outer Diameter (OD)               | 1.000 in         | [25.400 mm]        | +/- 0.020       |
| Mean Diameter (MD)                | 0.914 in         | [23.216 mm]        | +/- 0.020       |
| Inner Diameter (ID)               | 0.828 in         | [21.031 mm]        | +/- 0.020       |
| Free Length (FL)                  | 1.700 in         | [43.180 mm]        | +/- 0.050       |
| Active Coils (AC)                 | 3.500            | 3.500              | +/- 1/4 Coil    |
| Total Coils (TC)                  | 5.500            | 5.500              | +/- 1/4 Coil    |
| Solid Height (SH)                 | 0.473 in         | [12.014 mm]        | +/- 0.033       |
| Coil Pitch (CP)                   | 0.437 in         | [11.090 mm]        |                 |
| Rise Angle (RA)                   | 8.645            | [8.645]            |                 |
| Spring Rate (K)                   | 25.67301 lbs/in  | 4.496 N/mm         | +/- 2.567       |
| Max Load (ML)                     | 23.183 lbf       | 103.124 N          | +/- 2.318       |
| Max Travel (MT)                   | 0.903 in         | 22.936 mm          |                 |
| Material Shear Modulus (G)        | 10034128.315 PSI | 69182879375.641 Pa |                 |
| Max Shear Stress Possible (t max) | 96350.000 PSI    | 664309865.181 Pa   |                 |
| Wahl Correction Factor (W)        | 1.136            | 1.136              |                 |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |             |           |                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Scale: 2.100 | Revision #: | Drawn By: | Approved By:                                                                                                                                                                                                                                        |
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