

## Series 50

### Technical Data

|                         |             |
|-------------------------|-------------|
| Overall Length          | 24,80mm     |
| Minimum Centre Spacing  | 3,80 mm     |
| Maximum Travel          | 5,00 mm     |
| Working Travel          | 3,40 mm     |
| Temperature Range from  | -55°C       |
| Up to                   | +120°C      |
| Typical Resistance      | 20 mΩ       |
| Current Load rated/max. | 4,0 / 5,5 A |

### Materials

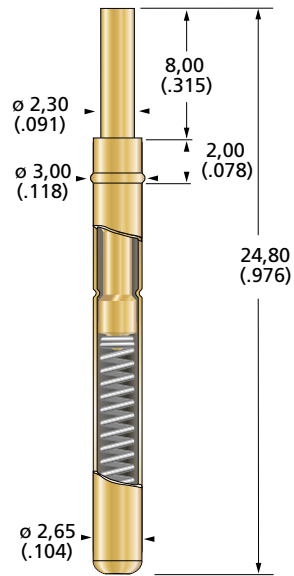
|         |                                     |
|---------|-------------------------------------|
| Plunger | CuBe or steel, gold plated          |
| Barrel  | Nickel silver or brass, gold plated |
| Spring  | Music wire, silver plated           |



**For XXLlonglife-Nanocoating order as 50X**

Receptacles shown on page 48.

## Series 50



### Spring Force (xx)

| Preload | Rated Force | Code xx |
|---------|-------------|---------|
| 0,8 N   | 1,5 N       | 15      |
| 1,0 N   | 2,0 N       | 20      |
| 1,2 N   | 3,0 N       | 30      |
| 3,0 N   | 5,0 N       | 50      |

|  |        |              |
|--|--------|--------------|
|  | Ø 2,30 | 50.102.23.xx |
|  | Ø 2,30 | 50.03.23.xx  |
|  | Ø 2,50 | 50.103.25.xx |
|  | Ø 6,00 | 50.03.60.xx  |
|  | Ø 2,50 | 50.104.25.xx |
|  | Ø 2,50 | 50.105.25.xx |
|  | Ø 2,50 | 50.06.25.xx  |
|  | Ø 4,00 | 50.106.40.xx |
|  | Ø 2,50 | 50.08.25.xx  |
|  | Ø 3,00 | 50.108.30.xx |
|  | Ø 4,00 | 50.08.40.xx  |
|  | Ø 2,50 | 50.110.25.xx |
|  | Ø 2,50 | 50.122.25.xx |
|  | Ø 2,50 | 50.35.25.xx  |

## Series 150

### Technical Data

|                         |             |
|-------------------------|-------------|
| Overall Length          | 27,00 mm    |
| Minimum Centre Spacing  | 3,80 mm     |
| Maximum Travel          | 5,00 mm     |
| Working Travel          | 3,40 mm     |
| Temperature Range from  | -55°C       |
| Up to                   | +120°C      |
| Typical Resistance      | 20 mΩ       |
| Current Load rated/max. | 4,0 / 5,5 A |

### Materials

|         |                            |
|---------|----------------------------|
| Plunger | CuBe or steel, gold plated |
| Barrel  | Brass, gold plated         |
| Spring  | Music wire, silver plated  |

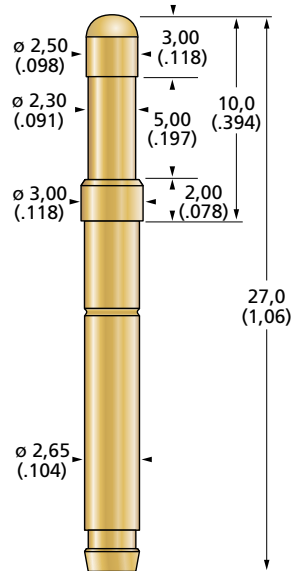


**For XXLlonglife-Nanocoating order as 150X**

The Series 150 has a barrel with snap groove. Please note that if you use one of the spacers, the function of the locking groove is no longer present.

Receptacles shown on page 48.

## Series 150

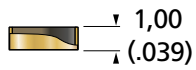


### Spring Force (xx)

| Preload | Rated Force | Code xx |
|---------|-------------|---------|
| 0,8 N   | 1,5 N       | 15      |
| 1,0 N   | 2,0 N       | 20      |
| 1,2 N   | 3,0 N       | 30      |
| 3,0 N   | 5,0 N       | 50      |

|  |        |               |
|--|--------|---------------|
|  | Ø 2,30 | 150.102.23.xx |
|  | Ø 2,30 | 150.03.23.xx  |
|  | Ø 2,50 | 150.103.25.xx |
|  | Ø 6,00 | 150.03.60.xx  |
|  | Ø 2,50 | 150.104.25.xx |
|  | Ø 2,50 | 150.105.25.xx |
|  | Ø 2,50 | 150.06.25.xx  |
|  | Ø 4,00 | 150.106.40.xx |
|  | Ø 2,50 | 150.08.25.xx  |
|  | Ø 3,00 | 150.108.30.xx |
|  | Ø 4,00 | 150.08.40.xx  |
|  | Ø 2,50 | 150.110.25.xx |
|  | Ø 2,50 | 150.122.25.xx |
|  | Ø 2,50 | 150.35.25.xx  |

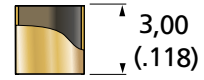
**D 50.01**  
Spacer tube 1 mm



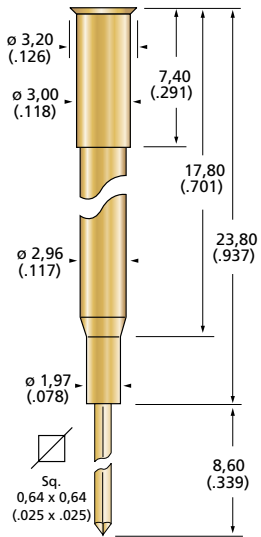
**D 50.02**  
Spacer tube 2 mm



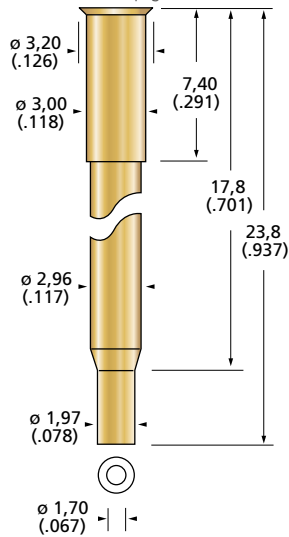
**D 50.03**  
Spacer tube 3 mm



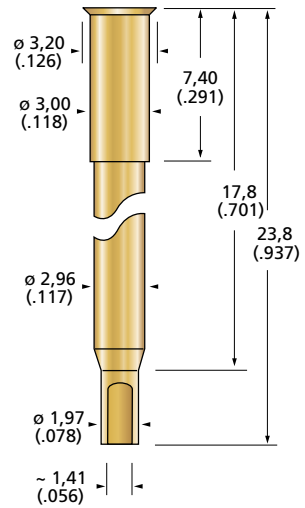
**S 50.00-W**  
Wire-Wrap-Post without snap groove



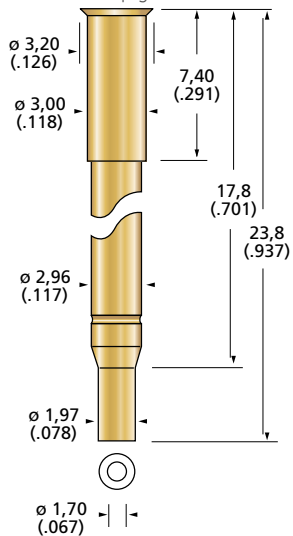
**S 50.00-C**  
Open Crimp End  
without snap groove



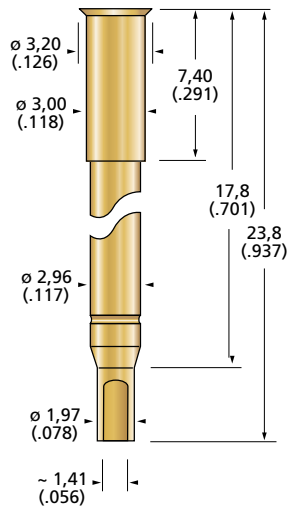
**S 50.00-L**  
Solder Cup without snap groove



**S 150.00-C**  
Open Crimp End  
with snap groove



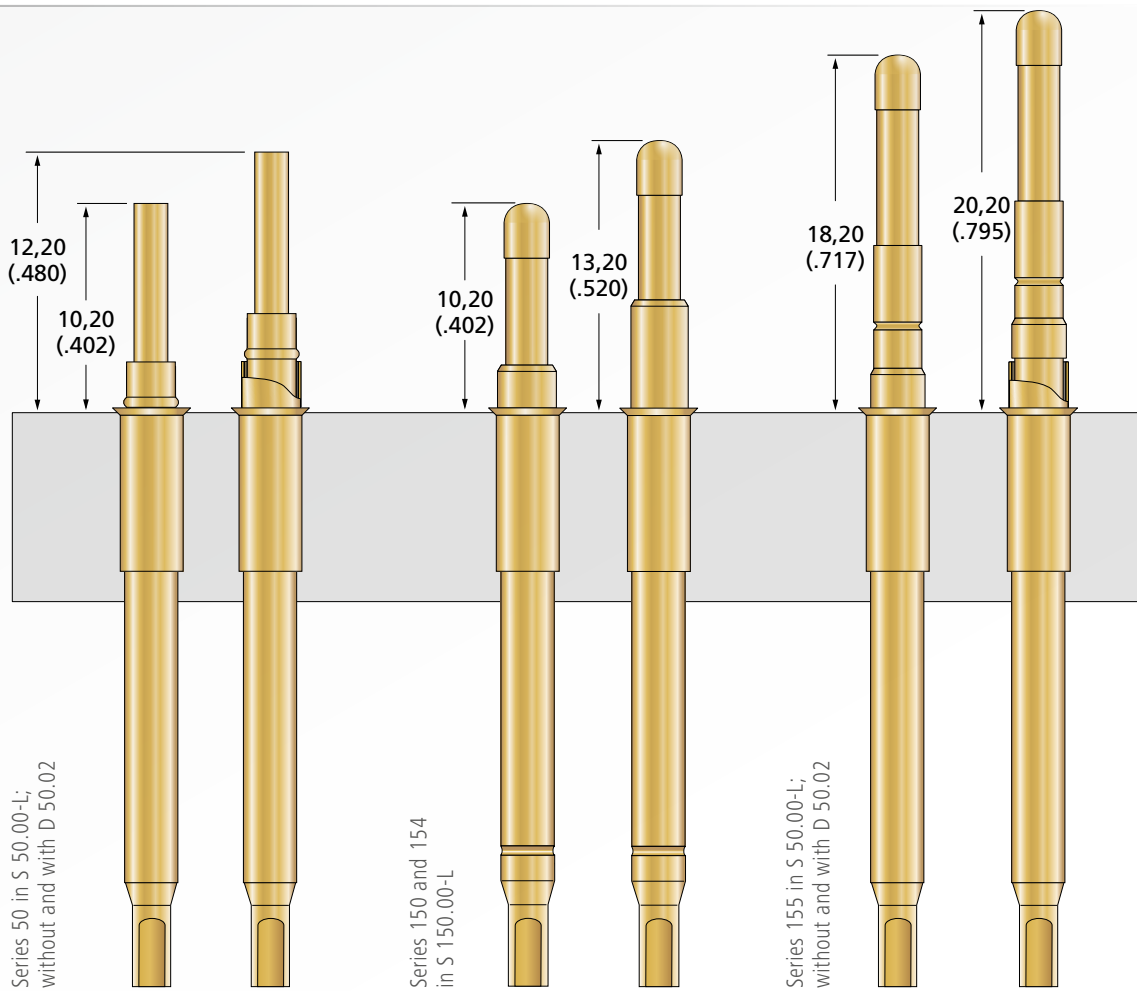
**S 150.00-L**  
Solder Cup with snap groove



# RECEPTACLES SERIES 50 / 150 / 154 / 155

The **SERIES 50**, together with its variants **150**, **154** and **155**, offer a multitude of combination options. The metric series for pitch  $\geq 3.80$  mm, like the series for pitch  $\geq 2.54$  mm, features a fixed stop ring that, if combined with spacer tubes, allows for extremely variable installation height values. Additionally, some series and receptacles have a „snap groove“ that provides a higher retention force for the contact probe in the receptacle. This option is widely used in the field of cable harness test. Please note: when using spacer tubes, this feature won't work due to the raised position of the spring contact probe in the receptacle.

## FIXTURING EXAMPLE



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