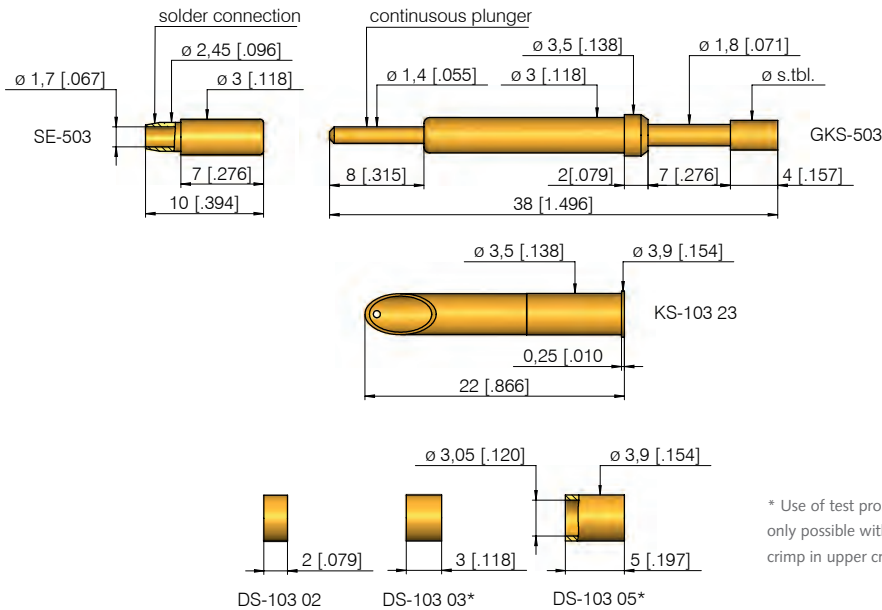


**Grid:**  
 ≥ 4,00 mm  
 ≥ 160 Mil

**Installation height with KS:** 13,2 mm (.520)  
**Recommended stroke:** 5,6 mm (.220)

### Mounting and functional dimensions



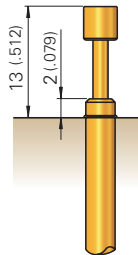
| Material |    | Tip style | Plating | Further versions |               |
|----------|----|-----------|---------|------------------|---------------|
|          |    |           |         | ∅                | ∅ (inch)      |
| 2        | 01 |           | R       | ∅ 1,80 (.071)    |               |
| 3        | 03 |           | A       | ∅ 4,00 (.157)    |               |
| 3        | 04 |           | R       | ∅ 4,00 (.157)    |               |
| 2        | 05 |           | R       | ∅ 1,80 (.071)    |               |
| 3        | 06 |           | R<br>A  | ∅ 4,00 (.157)    | 3,00 R (.118) |
| 2        | 06 |           | R       | ∅ 1,80 (.071)    |               |

\* Use of test probe with DS-103 03 and DS-103 05 spacers only possible with KS-103 23-2 (receptacle with stronger crimp in upper crimp position)

#### Collar height and installation height

The installation height of the tip is determined by the collar height.

| Collar height | Installation height without receptacles |
|---------------|---|
| 02            | 13,0 mm (.512)                          |



#### Mechanical data

**Working stroke:** 5,6 mm (.220)  
**Maximum stroke:** 7,0 mm (.276)  
**Spring force at work. stroke:** 1,5 N (5.4oz)  
**Alternative:** 3,0 N (10.8oz), 5,0 N\*\* (18.1oz)

#### Materials

**Plunger:** Steel or BeCu, gold- or rhodium-plated  
**Barrel:** Brass, gold-plated  
**Spring:** Steel, gold-plated or stainless steel\*\*  
**Receptacle:** Brass, gold-plated

#### Note:

The receptacle can be used from grid size 4,50 mm (180 Mil) upwards.

#### Electrical data

**Current rating, conn. to plunger:** 12-15 A  
**Current rating, connection to KS:** 5 - 8 A  
**R<sub>i</sub> typical, connection to plunger:** < 10 mΩ  
**R<sub>i</sub> typical, connection to KS:** < 30 mΩ  
 (\*\* < 100 mΩ)

#### Mounting hole size

**with receptacle:** ∅ 3,48 - 3,49 mm (.1370 - .1374)  
**without receptacle:** ∅ 3,00 mm (.1181)

#### Note:

Screw-in version shown on page 130.

#### Operating temperature

**Standard:** -40° up to +80° C  
**\*\* with 5,0 N spring:** -100° up to +200° C

### Ordering example

|  | Series          | Tip material<br>2 = Steel<br>3 = BeCu | Tip style           | Tip diameter<br>(1/100 mm) | Plating<br>A = Gold<br>R = Rhodium | Spring force<br>(dN) | Collar height<br>(mm) |
|--|-----------------|---------------------------------------|---------------------|----------------------------|------------------------------------|----------------------|-----------------------|
| Test probe:  | G K S           | 5 0 3                                 | 2 0 1               | 1 8 0                      | R                                  | 1 5                  | 0 2                   |
| Receptacles:   | K S - 1 0 3 2 3 |                                       | K S - 1 0 0 2 3 - 2 |                            |                                    |                      |                       |
| Spacers:   | D S - 1 0 3 0 2 |                                       | D S - 1 0 3 0 3     |                            | D S - 1 0 3 0 5                    |                      |                       |
| Lamellar plug:<br>(for plugging onto the end of the plunger) | S E - 5 0 3     |                                       |                     |                            |                                    |                      |                       |