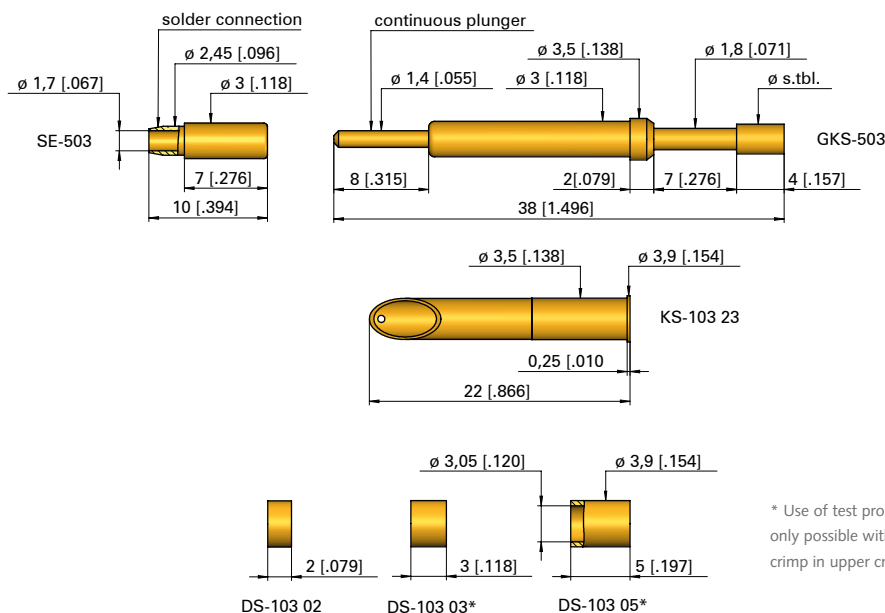


Grid:  
 $\geq 4,00 \text{ mm}$   
 $\geq 160 \text{ Mil}$

Installation height with KS: 13,2 mm (.520)

Recommended stroke: 5,6 mm (.220)

## Mounting and functional dimensions



## Available tip styles

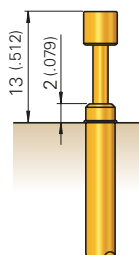
| Material |    | Tip style | Plating | Further versions |               |
|----------|----|-----------|---------|------------------|---------------|
|          |    |           |         | Ø                | Ø (inch)      |
| 2        | 01 |           | R       | Ø 1,80 (.071)    |               |
| 3        | 03 |           | A       | Ø 4,00 (.157)    |               |
| 3        | 04 |           | R       | Ø 4,00 (.157)    |               |
| 2        | 05 |           | R       | Ø 1,80 (.071)    |               |
| 3        | 06 |           | R A     | Ø 4,00 (.157)    | 3,00 R (.118) |
| 2        | 06 |           | R       | Ø 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:** Ø 3,48 - 3,49 mm (.1370 - .1374)  
**without receptacle:** Ø 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     |                                       |                 |                            |                                    |                      |                       |