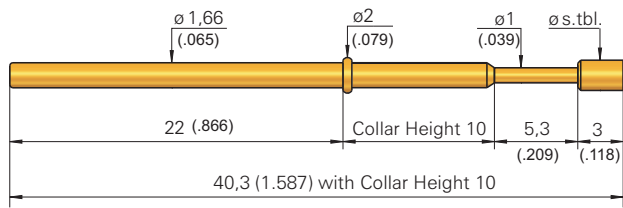


**Grid:**  
 ≥ 2,54 mm  
 ≥ 100 Mil

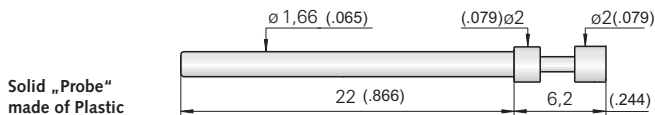
**Installation Height:** 10,3 - 18,3 mm (.406 - .720)  
**Recommended Stroke:** 4,0 resp. 6,4 mm (.157 resp. .252)

### Mounting and Functional Dimensions



### Plug

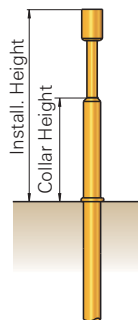
**VS-112** is used instead of a Test Probe and prevents in case of maintenance, that not required Receptacles will accidentally be used.



### Collar Height and Installation Height

To adjust the Installation Height off the Tip (Dimension without Receptacle) Test Probes with alternative Collar Heights are available.

| Collar Height | Installation Height (without Receptacle) |
|---------------|--|
| 02            | 10,3 mm (.406)                           |
| 03            | 11,3 mm (.445)                           |
| 04            | 12,3 mm (.484)                           |
| 05            | 13,3 mm (.524)                           |
| 06            | 14,3 mm (.563)                           |
| 07            | 15,3 mm (.602)                           |
| 08            | 16,3 mm (.642)                           |
| 09            | 17,3 mm (.681)                           |
| 10            | 18,3 mm (.720)                           |



without KS

### Mechanical Data

**Working Stroke:** 4,0 mm (.157)  
**Maximum Stroke:** 5,3 mm (.209)  
**Spring Force at Work. Stroke:** 1,5 N (5.4oz)  
**alternative:** 0,6 N (2.2oz); 0,8 N (2.9oz); 2,25 N (8.1oz); 3,0 N (10.8oz); 5,0 N (18.1oz)

By Test Probes with Tip Diameter ≤ 1,0 mm (.039) the Spring Force is reached at the recommended Working Stroke of 6,4\* mm (.252) (Maximum Stroke: 8,0 mm (.315))

Exception: 5,0 N-Spring (18.1oz): max. Stroke is always 5,3 mm (.209).

\* Working Stroke has been adjusted to 4 mm (see Technical Informations).

### Materials

**Plunger:** BeCu or Steel, gold-plated, rhodium- or chemically nickel-plated  
**Barrel:** Nickel-Silver or Brass, gold-plated  
**Spring:** Steel, gold-plated, Stainless Steel\*(C)  
**Receptacle:** Brass, gold-plated

### Operating Temperature

**Standard:** -40° up to +80° C  
**\*with spec. Designation "C":** -100° up to +200° C (0,8 N ; 1,5 N; 2,25 N; 3,0 N)

### Electrical Data

**Current Rating:** 5 - 8 A  
**R<sub>i</sub> typical:** < 20 mΩ (\* > 100 mΩ)

### Available Tip Styles

| Material | Tip Style | Plating | Further Versions                     |                                      |
|----------|-----------|---------|--------------------------------------|--------------------------------------|
|          |           |         | Ø                                    | Ø (inch)                             |
| 2 01     |           | R       | 0,80                                 | (.031)                               |
| 3 02     |           | A       |                                      |                                      |
| 3 02     |           | A       | 1,00<br>1,50                         | (.039)<br>(.059)                     |
| 3 03     |           | A       | 1,40<br>1,80                         | (.055)<br>(.071)                     |
| 2 04     |           | R       | 1,30                                 | (.051)                               |
| 3 05     |           | A       | 0,80                                 | (.031)                               |
| 3 05     |           | A       | 1,00<br>1,40<br>2,30                 | (.039)<br>(.055)<br>(.091)           |
| 0 06     |           | A       |                                      |                                      |
| 3 06     |           | A       | 1,30 R<br>1,50 R<br>1,80 R<br>2,50 R | (.051)<br>(.059)<br>(.071)<br>(.098) |
| 2 07     |           | R       | 1,30 A                               | (.051)                               |
| 2 09     |           | N       |                                      |                                      |
| 2 14     |           | A       | 1,30 R                               | (.051)                               |
| 2 17     |           | N       |                                      |                                      |
| 3 19     |           | A       |                                      |                                      |

\*\* also available as Tip Style 0 02 and 0 03, Installation Height plus 0,8 mm (.031)  
 \*\*\* pressed-in Steel point in Base Plunger made of Brass

**Note to GKS-112 and KS-112:**  
 For the Test Probes series GKS-112 Receptacles of the series KS-112 are used (see Page 50).

**Note:**  
 Screw-in Versions see Page 132.

**Tools:**  
 Insertion and Extraction Tools for GKS and KS see Page 118.

### Ordering Example

| Series     | Tip Material | Tip Style | Tip Diameter (1/100 mm) | Plating                               | Spring Force (dN) | Collar Height (mm) | Special Designation („B“, „C“) |
|------------|--------------|-----------|-------------------------|---------------------------------------|-------------------|--------------------|--------------------------------|
| 0 = Delrin | 2 = Steel    | 3 = BeCu  |                         | A = Gold<br>N = Nickel<br>R = Rhodium |                   |                    |                                |

Test Probe:

G K S 1 1 2 2 0 4 1 3 0 R 1 5 0 2

Receptacle for GKS-112:

K S - 1 1 2 3 0 K S - 1 1 2 4 7

Plug:

V S - 1 1 2

e-type® Probes  
 ICT / FCT  
 Bead Probes  
 Fine Pitch  
 Metric Stand.  
 Solderable  
 Short-stroke  
 Flying Probes  
 DKS  
 SKS  
 PKS / PSK  
 HFS  
 HSS  
 Fixture customizing  
 Tools  
 Cable Test Probes