

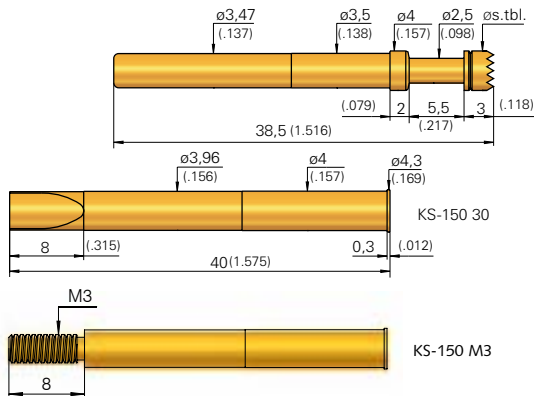
Grid:  
 $\geq 5,08 \text{ mm}$   
 $\geq 200 \text{ Mil}$

Installation Height: 10,8 / 13,8 mm (.425/ .543)

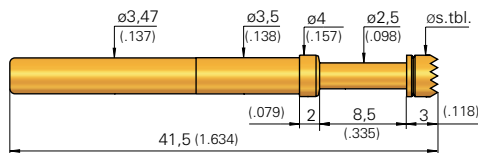
Recommended Stroke: 4,4 / 7,4 mm (.173/ .291)

## Mounting and Functional Dimensions

### HSS-150



### HSS-150 ... H



### Collar Height and Installation Height

The Installation Height of the Tip is determined by the Collar Height.

| Collar Height | Installation Height (with Receptacles) |
|---------------|----------------------------------------|
| 02            | 10,8 mm (.425)                         |
| 02 H          | 13,8 mm (.543)                         |

### Mechanical Data

**Working Stroke:** 4,4 mm (.173)  
 Typ "H": 7,4 mm (.291)

**Maximum Stroke:** 5,5 mm (.217)  
 Typ "H": 8,5 mm (.335)

**Spring Force at Work. Stroke:** 3,0 N (10.8oz)  
**alternative:** 5,0 N (18.1oz);  
 10 N (36 oz; „99“ in ordering number)

### Electrical Data

**Current Rating (at room temperature):** 50 A  
 (for short loads up to 80 A)

**R<sub>i</sub> typisch:**  $\leq 10 \text{ m}\Omega$

### Operating Temperature

**Standard:** -100° up to +200° C

### Materials

**Plunger:** BeCu, gold-plated or Silver stud

**Barrel:** Brass, gold-plated

**Spring:** Stainless Steel

**Receptacle:** Brass, gold-plated

### Mounting Hole Size

**HSS-150 and KS-150:**

**with Receptacle:**  $\varnothing 3,98 - 3,99 \text{ mm}$   
 (.1567 - .1571)

**without Receptacle:**  $\varnothing 3,50 \text{ mm}$  (.1378)

### Note:

Screw-in Version see HSS-150 ... M on Page 146.

## Available Tip Styles

| Material | Tip Style | Plating | Further Versions |                      |
|----------|-----------|---------|------------------|----------------------|
|          |           |         | $\varnothing$    | $\varnothing$ (inch) |
| 3 02     |           | A       |                  |                      |
| 3 03     |           | A       |                  |                      |
| 3 05*    |           | S       |                  |                      |
| 3 06     |           | A       | 3,00             | (.118)               |
| 3 17     |           | A       |                  |                      |
| 3 19     |           | A       |                  |                      |

\* pressed-in Silver stud

## Available Tip Styles

Special Version HSS-150 ... H

| Material | Tip Style | Plating | Further Versions |                      |
|----------|-----------|---------|------------------|----------------------|
|          |           |         | $\varnothing$    | $\varnothing$ (inch) |
| 3 02     |           | A       |                  |                      |
| 3 05*    |           | S       |                  |                      |
| 3 06     |           | A       |                  |                      |
| 3 17     |           | A       |                  |                      |

Total Length 41,5 mm (1.634), Special Designation "H"

\* pressed-in Silver stud

### Applications:

- High-current transfer during Functional Test
- Power-Supply-Test
- Burn-in-Test
- Contacting element in permanent use
- Usage with AC and DC

### \* Tip Style 05 S

The pressed-in silver stud prevents burning or welding of the test probe to the test point.

## Ordering Example

|                          | Series | Tip Material<br>3 = BeCu | Tip Style | Tip Diameter<br>(1/100 mm) | Plating<br>A = Gold<br>S = Silver | Spring Force<br>(dN) | Collar Height<br>(mm) | Special Designation<br>(alternative "H") |
|--------------------------|--------|--------------------------|-----------|----------------------------|-----------------------------------|----------------------|-----------------------|------------------------------------------|
| Test Probe:              |        |                          |           |                            |                                   |                      |                       |                                          |
| Test Probe:              |        |                          |           |                            |                                   |                      |                       |                                          |
| Receptacles for HSS-150: |        |                          |           |                            |                                   |                      |                       |                                          |