

# SKS 419 / 429

Switching Probe with long Stroke, high Stability

**Grid:**

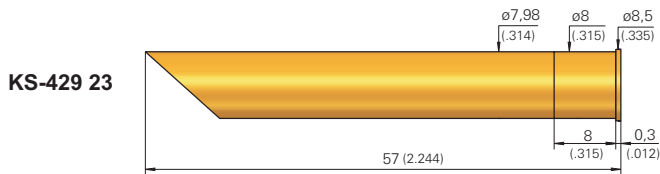
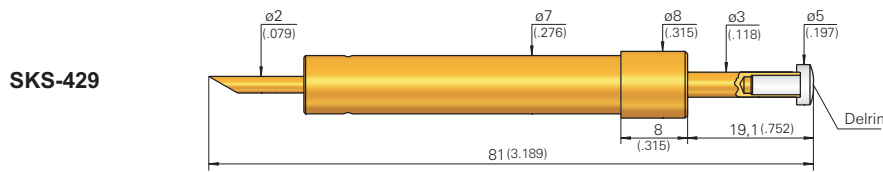
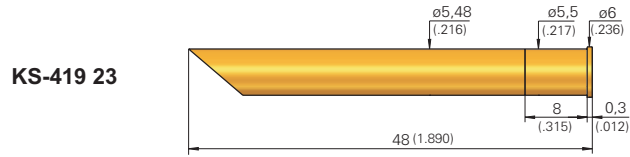
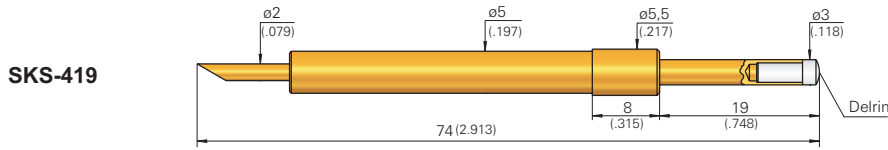
≥ 7,5/10,0 mm

≥ 300/400 Mil

**Installation Height:** 27,0 mm (1.063)

**Switching Path:** 2,0 mm (.079)

## Mounting and Functional Dimensions



### SKS 419

#### Mechanical Data

**Switching Path:** 2,0 mm (.079) ± 0,2 (.008)

**Maximum Stroke:** 14,0 mm (.551)

**Spring Force at Switch.Point:** 2,6 N (9.4oz)

**Spring Force 80% Stroke:** 5,2 N (18.8oz)

#### Electrical Data

**Current Rating:** 5 A  
(see Page 77)

#### Mounting Hole Size

**with Receptacle:** ø 5,49 mm (.2161)

**without Receptacle:** ø 5,00 mm (.1969)

#### Materials

**Plunger:** BeCu, gold-plated  
with Insulator Cap (Delrin)

**Barrel:** Brass, gold-plated

**Spring:** Steel, gold-plated

**Receptacle:** Brass, gold-plated

### SKS 429

#### Mechanical Data

**Switching Path:** 2,0 mm (.079) ± 0,2 (.008)

**Maximum Stroke:** 16,0 mm (.630)

**Spring Force at Switch.Point:** 2,9N (10.5oz)

**Spring Force 80% Stroke:** 6,4 N (23.2oz)

#### Electrical Data

**Current Rating:** 5 A  
(see page 77)

#### Mounting Hole Size

**with Receptacle:** ø 7,99 mm (.3146)

**without Receptacle:** ø 7,00 mm (.2756)

#### Materials

**Plunger:** BeCu, gold-plated  
with Insulator Cap (Delrin)

**Barrel:** Brass, gold-plated

**Spring:** Steel, gold-plated

**Receptacle:** Brass, gold-plated

#### Tools:

The special Insertion tools for SKS must be used to install the Switching Probes (see Page 118).

## Ordering Example

|                         | Series          | Tip Material<br>0 = Delrin | Tip Style | Tip Diameter<br>(1/100 mm) | Plating<br>A = Gold | Spring Force<br>(dN) | Collar Height<br>(mm) |
|-------------------------|-----------------|----------------------------|-----------|----------------------------|---------------------|----------------------|-----------------------|
| Test Probe:             | S K S           | 4 1 9                      | 0 0 5     | 3 0 0                      | A                   | 6 5                  | 0 8                   |
| Test Probe:             | S K S           | 4 2 9                      | 0 0 5     | 5 0 0                      | A                   | 8 0                  | 0 8                   |
| Receptacle for SKS-419: | K S - 4 1 9 2 3 |                            |           |                            |                     |                      |                       |
| Receptacle for SKS-429: | K S - 4 2 9 2 3 |                            |           |                            |                     |                      |                       |