

# SKS 419 / 429

Switching Probe with long Stroke, high Stability

**Grid:**

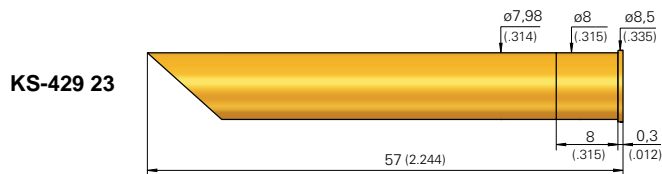
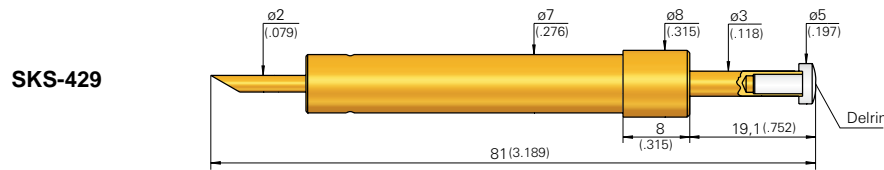
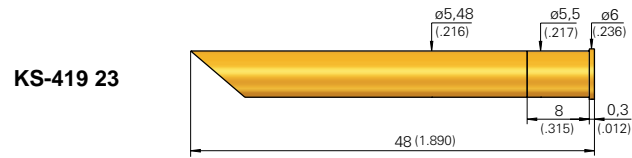
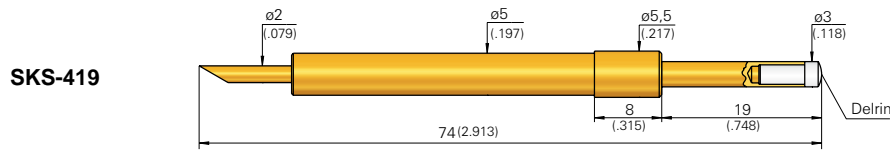
≥ 7,5/10,0 mm

≥ 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)  
**Spring Force max. Stroke:** 6,5 N (26.0oz)

#### 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)  
**Spring Force max. Stroke:** 8,0 N (31.0oz)

#### 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 0 = Delrin	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold	Spring Force at max. Stroke (dN)	Collar Height (mm)								
Test Probe:	SKS	4	1	9	0	0	5	3	0	0	A	6	5	0	8
Test Probe:	SKS	4	2	9	0	0	5	5	0	0	A	8	0	0	8
Receptacle for SKS-419:	KS	4	1	9	2	3									
Receptacle for SKS-429:	KS	4	2	9	2	3									