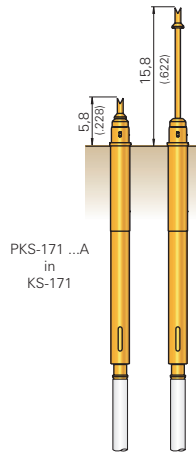
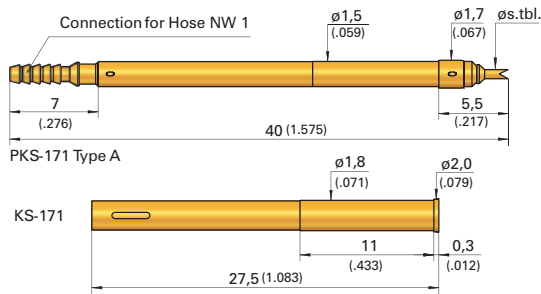


Grid:
 ≥ 1,91 mm
 ≥ 75 Mil

Installation height with KS: 5,8 mm (.228)
Recommended stroke: 6,0 mm (.236)

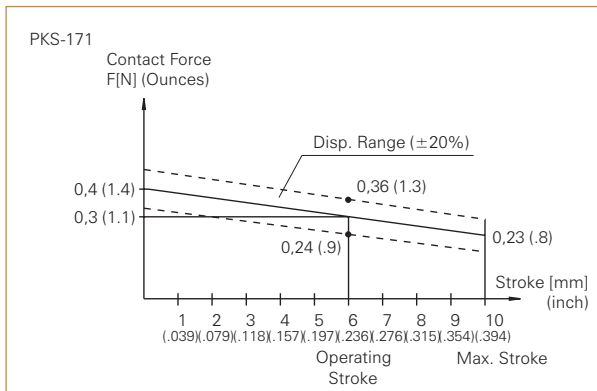
Mounting and functional dimensions



Available tip styles

| Material | Tip style | Plating | Further versions | |
|----------|-----------|---------|------------------|----------|
| | | | ∅ | ∅ (inch) |
| 2 | 04* | A | ∅ 1,00 (.039) | |
| 2 | 14* | A | ∅ 0,50 (.020) | |
| 3 | 19 | A | ∅ 1,50 (.059) | |
| 2 | 91* | A | ∅ 1,00 (.039) | |

* Diameter of collar: 1,3 mm (.051)



Mechanical data

Switch. path/work. stroke: 6,0 mm (.236)
Maximum stroke: 10,0 mm (.394)
Cont. force at work.stroke: 0,3 N (1.1oz)
Operating medium: Compressed air (filtered, oil-free)
Operating pressure: 6 bar (86 psi)

Electrical data

Current rating: 1 - 2 A
R_i typical: < 30 mΩ

Operating temperature

Standard: 0° up to +80 °C

Materials

Plunger: Steel, gold-plated
Barrel: Brass, gold-plated
Restoring spring: Steel, gold-plated
Receptacle: Brass, gold-plated
O-rings: Perbunan

Mounting hole size

with receptacle KS-171:
 ∅ 1,79 - 1,80 mm (.0705 - .0709)
without receptacle: ∅ 1,49 mm (.0587)

Warning:

Do not solder the cable to the crimp points of the receptacle.

Note:

The assembly in grid size 1,91 mm (75 Mil) is only possible up to a double row, and then only without use of receptacles.

Note:

The receptacles can be used from grid size 2,54 mm (100 Mil) upwards.

Ordering example

| Series | Tip material 2 = Steel 3 = BeCu | Tip style | Tip diameter (1/100 mm) | Plating A = Gold | Spring force (dN) | Collar height (mm) | Type "A" |
|--------|---------------------------------------|-----------|----------------------------|---------------------|----------------------|-----------------------|-------------|
| PKS | 1 | 7 | 1 | 2 | 0 | 4 | 1 |
| 0 | 0 | 0 | 0 | A | 0 | 3 | 0 |
| 2 | 0 | 2 | 0 | 0 | 2 | 0 | A |

Test probe: **PKS 171 2 04 100 A 03 02 A**

Receptacle: **KS - 171**