

PKS 171 M

Screw-in Pneumatic Test probe

Grid:

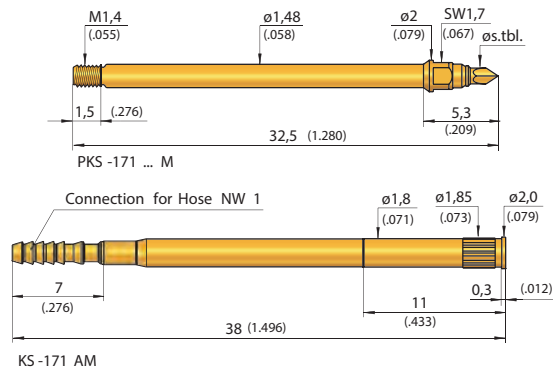
≥ 4,50 mm

≥ 180 Mil

Installation height with KS: 5,8 mm (.228)

Recommended stroke: 6,0 mm (.236)

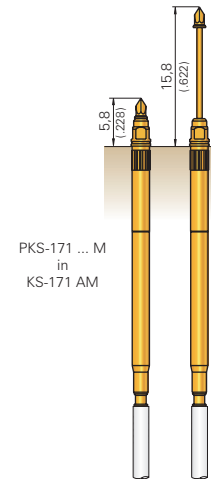
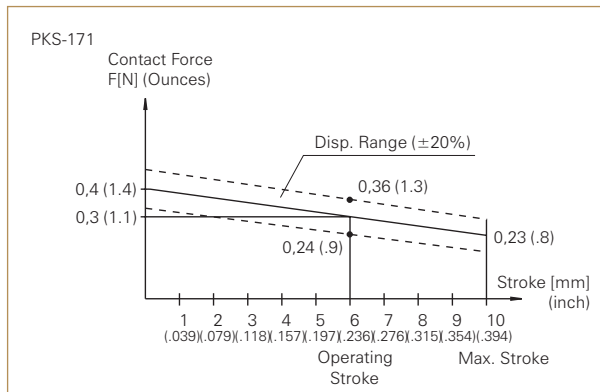
Mounting and functional dimensions



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) | |

* collar diameter: 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)

Materials

Plunger: Steel, gold-plated

Barrel: Brass, gold-plated

Restoring spring: Steel, gold-plated

Receptacle: Brass, gold-plated

O-rings: Perbunan

Warning:

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

Recommended screw-in torque:
Min.: 2 cNm / Max.: 3 cNm

Electrical data

Current rating: 1 - 2 A

R_i typical: < 30 mΩ

Mounting hole size

with receptacle KS-171 AM:
∅ 1,80 - 1,82 mm (.0709 - .0717)

Operating temperature

Standard: 0° up to +80 °C

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 "M" |
|--------|---------------------------------------|-----------|----------------------------|---------------------|----------------------|-----------------------|-------------|
|--------|---------------------------------------|-----------|----------------------------|---------------------|----------------------|-----------------------|-------------|

Test probe:

PKS 171 2 04 100 A 03 02 M

Receptacle:

KS - 171 A M