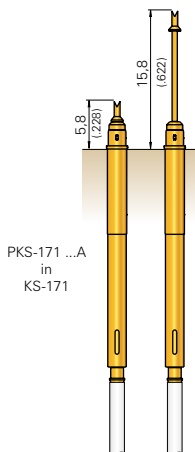
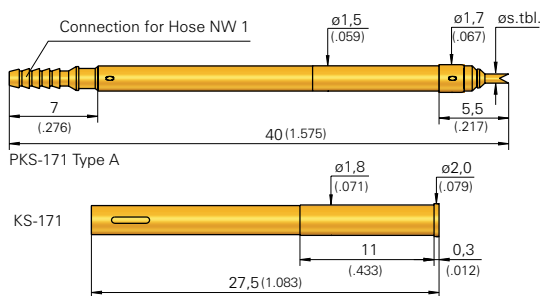


**Grid:**  
 ≥ 1,91 mm  
 ≥ 75 Mil

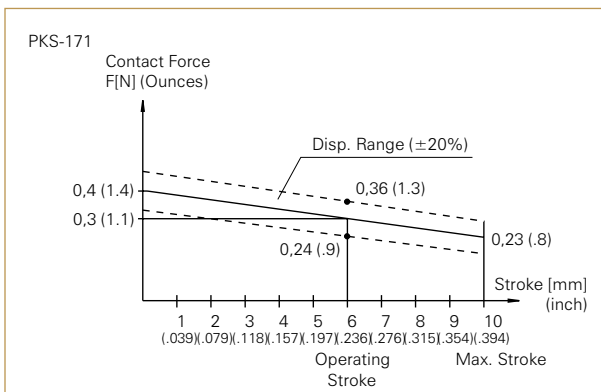
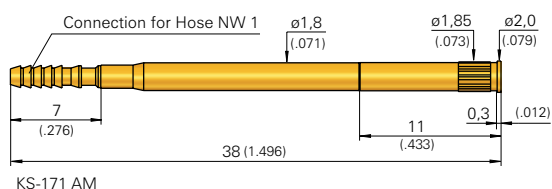
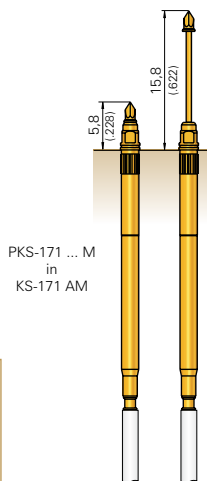
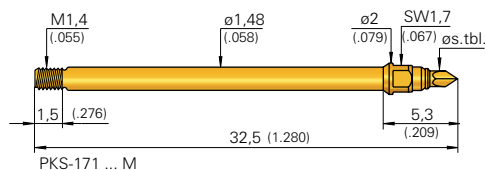
**Installation Height:** 5,5 mm (.217)  
**Recommended Stroke:** 6,0 mm (.236)

## Mounting and Functional Dimensions



Available Tip Styles					
Material	Tip Style	Tip Diameter	Plating	Further Versions	
				Ø	Ø (inch)
2	04*	Ø 1,00 (.039)	A		
2	14*	Ø 0,50 (.020)	A		
3	19	Ø 1,50 (.059)	A		
2	91*	Ø 1,00 (.039)	A		

\* 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<sub>i</sub> typical:** < 30 mΩ

### 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:** Ø 1,79 - 1,80 mm (.0705 - .0709)  
**with Receptacle KS-171 AM:** Ø 1,80 - 1,82 mm (.0709 - .0717)  
**without Receptacle:** Ø 1,49 mm (.0587)

**Note to PKS-171 M and KS-171 AM:**  
 PKS-171 M are screwed into KS-171 AM using special tools (see Page 170/171).

Recommended Screw-in Torque:  
 Min.: 2 Ncm / Max.: 3 Ncm

### Warning:

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

### Note:

The assembly in Grid 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 2,54 mm (100 Mil) up.

### Note:

Pneumatic Accessories and general Instructions see Page 94/95.

## Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold	Spring Force (dN)	Collar Height (mm)	Type alternative „M“
PKS	2 = Steel 3 = BeCu	171	204	100	A	03	02 A
KS-171							AM

Test Probe:

Receptacles for PKS-171: