

PKS 171 M

Screw-in Pneumatic Test probe

Grid:

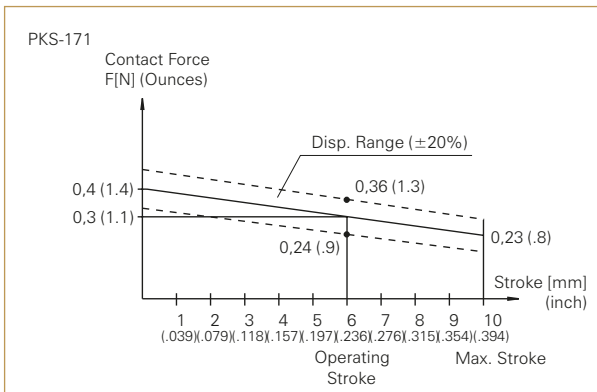
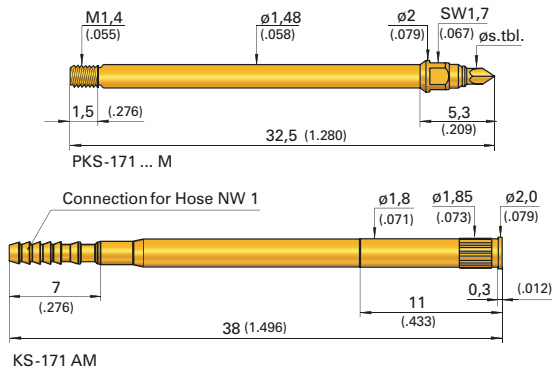
≥ 4,50 mm

≥ 180 Mil

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

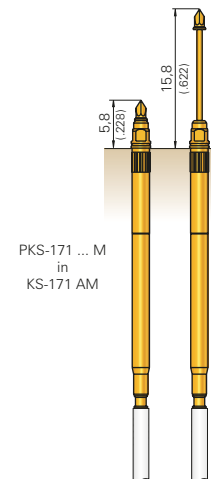
Recommended stroke: 6,0 mm (.236)

Mounting and functional dimensions



Available tip styles				
Material	Tip style	Plating	Further versions	
			Ø	Ø (inch)
2	04*	A	Ø 1,00 (.039)	
2	14*	A	Ø 0,50 (.020)	
3	19	A	Ø 1,50 (.059)	
2	91*	A	Ø 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:
Ø 1,80 - 1,82 mm (.0709 - .0717)

Operating temperature

Standard: 0° up to +80 °C

Ordering example

	Series	Tip material	Tip style	Tip diameter (1/100 mm)	Plating A = Gold	Spring force (dN)	Collar height (mm)	Type "M"
Test probe:	PKS	2 = Steel 3 = BeCu	171	204	100	A	03	02
Receptacle:	KS		171					AM