

Pneumatic Test Probe
Installation Height: 5,5 mm (.217)
Recommended Stroke: 6,0 mm (.236)

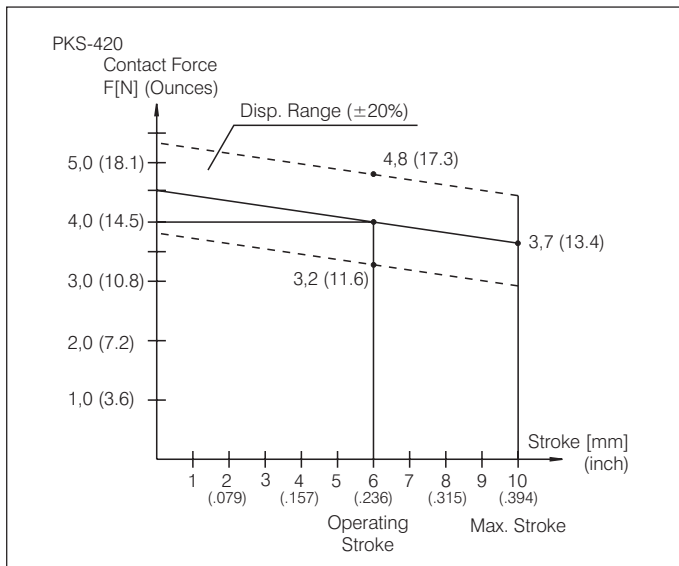
Grid:
 \geq 4,50 mm
 \geq 180 Mil

PKS 420

Available Tip Styles

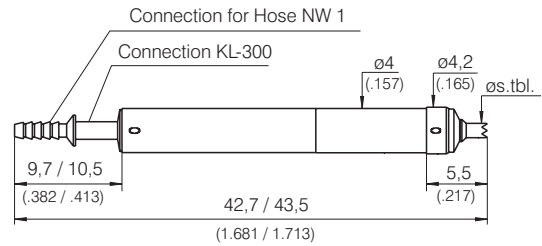
Material	Tip Style	Standard Plating	Special Versions	
			Ø	Øinch
2	01 **	R		
2	04 **	R	2,00	(.079)
2	05	R	1,30	**.051
2	06 **	A	2,50 3,50	.098 (.138)
2	15* **	A		
2	33 **	A		
2	91 **	A		

* Pressed-in HM-Tip, Installation Height 6,5 mm (.256)
 ** Collar Diameter : 2,0 mm (.079)

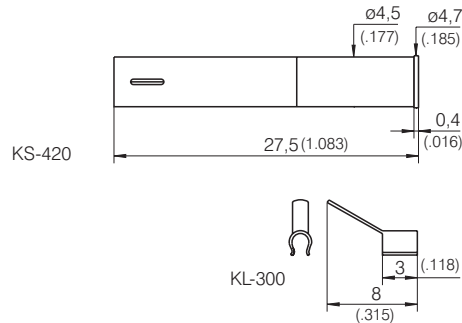


***** Note:**
 Tip 15, 01, 91 F= 3,7 N (13.4oz)
 Tip 04, 05, 06, 33 F= 4,2 N (15.2oz)

Mounting and Functional Dimensions



PKS-420 Type 1: with Connection for Hose NW 1
 PKS-420 Type 2: with Connection for Hose NW2 (lengths see 2nd value)



Mechanical Data

Working Stroke: 6,0 mm (.236)
 Maximum Stroke: 10,0 mm (.394)
 Contact Force at Work. Stroke: 3,7 N (13.4oz) or 4,2 N (15.2oz)***
 Operating Medium: Compressed Air (filtered, oil-free)
 Operating Pressure: 6 bar (86 psi)

Electrical Data

Current Rating: 2-3 A
 R_i typical: 30 mΩ

Mounting Hole Size

with Receptacle: Ø 4,48 - 4,49 mm (.1764 - .1768)
 without Receptacle: Ø 4,00 mm (.1575)

Materials

Plunger: Steel, rhodium- or gold-plated
 Barrel: Brass, gold-plated
 Restoring Spring: Steel, gold-plated
 Receptacle: Brass, gold-plated
 O-Rings: Perbunan

Note:

For High-current applications up to 10 A use order designation "1H" (Connection "1") resp. "2H" (Connection "2").

The Receptacle can be used from Grid 5,08 mm (200 Mil) up. Do not solder the cable to the crimp points of the Receptacle.

Pneumatic Accessories and general Instructions > see Page 66/67.

Ordering Example:

Series	Tip Material 2 = Steel	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold R = Rhodium	Spring Force (dN)	Collar Height (mm)	Type (alternative 2)
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Test Probe:

PKS 420 2 06 130 A 42 02 1

Test Probe for usage up to 10 A:

PKS 420 2 04 130 R 42 02 1H

Receptacle:

KS - 420

Clip Connection with Solder Terminal for Type 1:

KL - 300