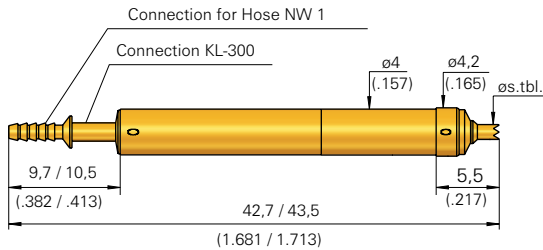


**Grid:**  
 ≥ 4,50 mm  
 ≥ 177 Mil

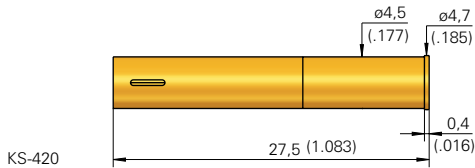
**Installation Height:** 5,5 mm (.217)  
**Recommended Stroke:** 6,0 mm (.236)

### Mounting and Functional Dimensions

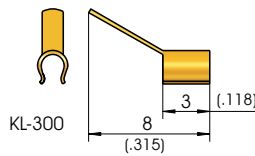
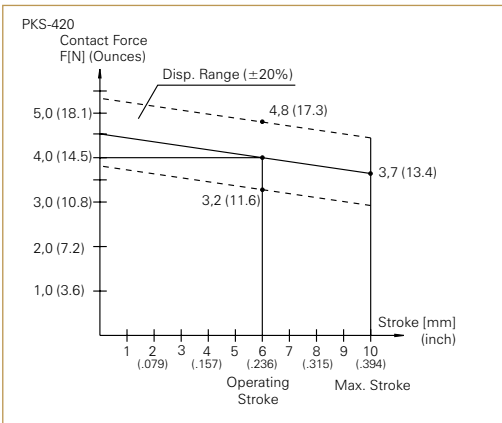


PKS-420 Type 1: with Connection for Hose NW 1

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



KS-420



### Available Tip Styles

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

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

#### Warning:

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

#### Note:

For High-Current Applications up to 10 A, order with Special Designation „1H“ (Terminal „1“) resp. „2H“ (Terminal „2“).

#### Note:

The Receptacle can used from Grid 5,08 mm (200 Mil) up.

#### Note:

Pneumatic Accessories and general Instructions see Page 94/95.

#### \*\*\* Note:

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

#### Mechanical Data

**Working Stroke:** 6,0 mm (.236)  
**Maximum Stroke:** 10,0 mm (.394)  
**Cont. 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)

#### Materials

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

#### Electrical Data

**Current Rating:** 2 - 3 A (up to 10 A see Note below)  
**R<sub>i</sub> typisch:** < 30 mΩ

#### Mounting Hole Size

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

### 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 or 2H)
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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 for PKS-420:

KS - 420

Clip Connection with Solder Terminal for Type 1:

KL - 300