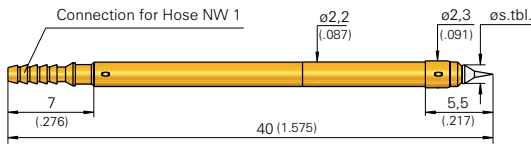


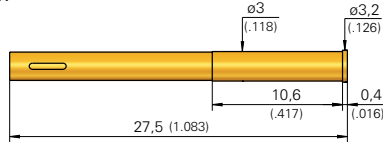
**Grid:**  
 ≥ 2,54 mm  
 ≥ 100 Mil

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

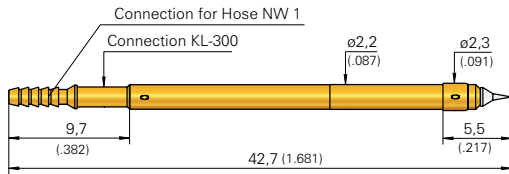
### Mounting and Functional Dimensions



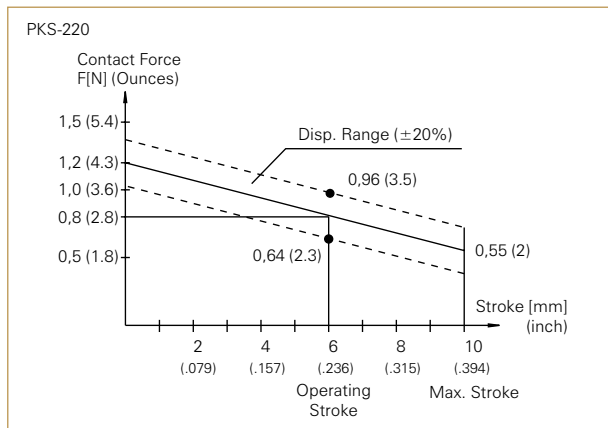
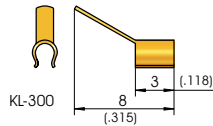
PKS-220 Type A



KS-220



PKS-220 Type B



#### Mechanical Data

**Working Stroke:** 6,0 mm (.236)  
**Maximum Stroke:** 10,0 mm (.394)  
**Cont. Force at Work.Stroke:** 0,8 N (2.9oz)  
**Operating Medium:** Compressed Air (filtered, oil-free)  
**Operating Pressure:** 6 bar (86 psi)

#### Electrical Data

**Current Data:** 2 - 3 A  
**R<sub>i</sub> typical:** < 30 mΩ

#### Materials

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

#### Mounting Hole Size

**with Receptacle:** ø 2,98 - 2,99 mm (.1173 - .1177)  
**without Receptacle:** ø 2,20 mm (.0866)

### Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			ø	ø (inch)
2 01 **		R	ø 1,50 (.059)	
3 03		R	ø 2,00 (.079)	
2 04 *		R	ø 1,30 (.051)	
2 05 ***		A	ø 1,00 (.039)	
2 06		A	ø 2,50 (.098)	
3 06		R	ø 2,00 (.079)	
2 07		R	ø 2,00 (.079)	
2 91 ** **		N	ø 1,00 (.039)	

Collar Diameter:

\* = 2,00 mm (.079)

\*\* = 1,50 mm (.059)

\*\*\* = 1,30 mm (.051)

\*\*\*\* = 1,20 mm (.047)

#### Warning:

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

#### Note:

The assembly in Grid 2,54 mm (100 Mil) is only possible up to a double row, and then only without use of Receptacles and KL-300. The Receptacle and KL-300 can be used from Grid 3,5 mm (140 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	Spring Force (dN)	Collar Height (mm)	Type (alternative B)
PKS	2 = Steel	01	150	A = Gold	08	02	A

Test Probe:

PKS 220 2 01 150 R 08 02 A

Receptacle for PKS-220:

KS - 220

Clip Connection with Solder Terminal for Series 220:

KL - 300