

The list is showing all head-styles which are available in the series 903. The number shown right besides every picture is the part number used for ordering. Please replace the field "xx" by the spring force value you'd like to have. The available spring options are listed below.

Example of a completed ordering number:
 903.03.13.12

Available spring forces with values in Newton (N) and ozs. and the adding code for the part number:

Code	Preload (N) (oz.)	Rated Force (N) (oz.)
12	0.6 2.08	1.2 4.15

Further Technical Data:

Minimum center spacing:	4	mm	.157	inches
Extension height:	10.9	mm	.429	inches
Overall length:	49	mm	1.929	inches
Barrel diameter:	2.34	mm	.092	inches
Plunger shaft diameter:	2	mm	.079	inches
Maximum travel:	4.1	mm	.161	inches
Travel to switch point:	2	mm	.079	inches
Temperature range:	-55°C ... +105°C -67°F ... +221°F			
Typical electrical resistance:	30	mΩ		
Rated electrical current load:	2	amps		
Maximum current load:	2.5	amps		
Typical life-time in cycles:	1 x 10 ⁶	cycles		

Further spring forces and head styles available on request. Please allow longer delivery for special configurations.

Switch probe means: After the rated travel to the switch point the probe makes contact to the little connector pin sticking out the plastik insulator at the bottom. Typical applications: detecting the presence of components, pin length check at connectors and many others. This switch probe is available in two different versions, with either 1 or 2 mm travel to switchpoint.

Please refer to the table shown below for dimensions "A" and "B".

Due to the insulating plastic parts inside the probe, the temperature range is limited.

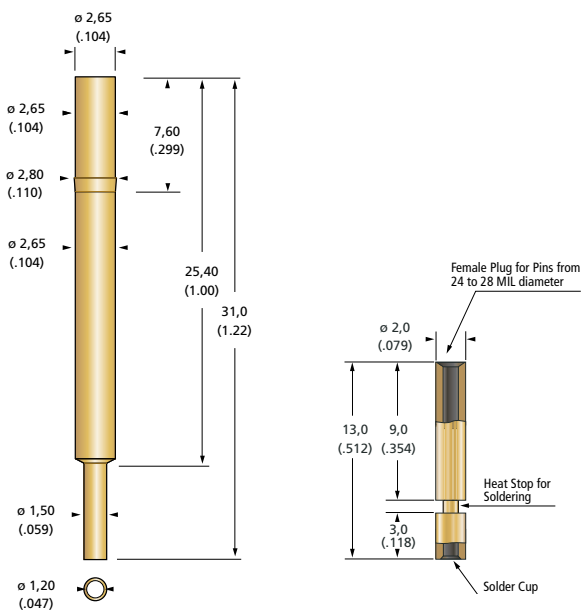
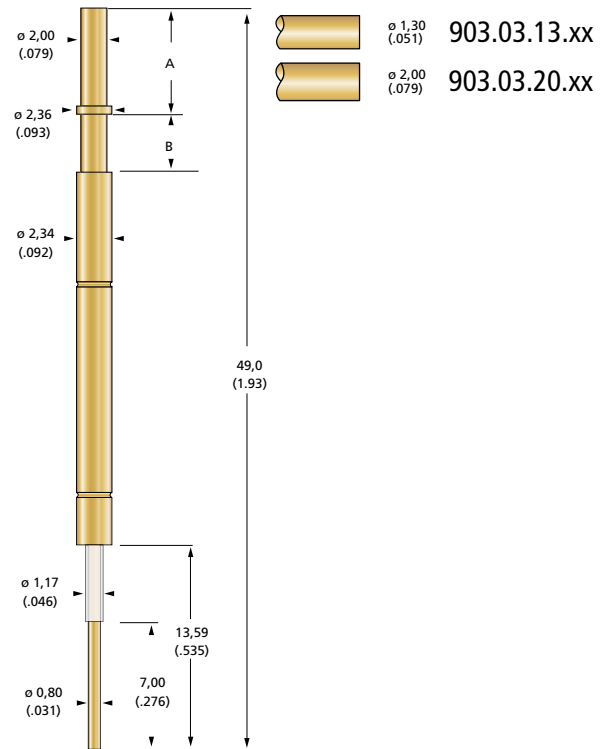
Take care when using solder connections!

Materials:

Plunger:	Copper-Alloy, gold plated
Barrel:	Nickelsilver, gold plated
Spring:	Music Wire, gold plated

Variation	Dimension „A“	Dimension „B“	Ordering Code
1 mm Travel	7.7 mm (.303)	3.1 mm (.122)	-1
2 mm Travel	6.8 mm (.268)	4.1 mm (.161)	-2

For the installation of the receptacles the mounting plate requires precise drilling. In the fixture business there are some typical base materials used for the pin plates which are different in drill bit diameters and machining parameters. The table is showing the recommended drill diameter and the order numbers needed when ordering drill bits from us. For machining parameters please consult factory.



S 903.00-C
Open End

10444
Plug-On Terminal

Receptacle with Press-Ring, pressed into Plate Material

Material	Drill-ø	Part No.
CEM1 (also called EP105)	.1083 in. 2.75 mm	500-0275
FR4 (G10, Hgw 2372 or Hgw 2372.1)	.1094 in. 2.78 mm	500-0278
Press-Ring or Stop Ring used as a Collar		
CEM1 (also called EP105)	.1071 in. 2.72 mm	500-0272
FR4 (G10, Hgw 2372 or Hgw 2372.1)	.1075 in. 2.73 mm	500-0273