

The list is showing all head-styles which are available in the series 155. 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.

Further head styles available on demand.

Example of a completed ordering number:

155.02.23.15

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.)
<u>15</u>	1.0 3.46	1.5 5.19
<u>20</u>	0.8 2.77	2.0 6.92
<u>30</u>	1.2 4.15	3.0 10.38
<u>50</u>	3.0 10.38	5.0 17.30

Further Technical Data:

Minimum centre spacing:	3.8	mm	.15	inches
Extension height:	18	mm	.709	inches
Overall length:	35	mm	1.378	inches
Barrel diameter:	2.65	mm	.104	inches
Plunger shaft diameter:	2.3	mm	.091	inches
Maximum travel:	5.0	mm	.197	inches
Recommended (rated) travel:	3.4	mm	.134	inches
Temperature range:	-55°C ... +105°C		-67°F ... +221°F	
Typical electrical resistance:	20	mΩ		
Rated electrical current load:	4	amps		
Maximum current load:	5.5	amps		
Typical life-time in cycles:	1 x 10 ⁶	cycles		

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

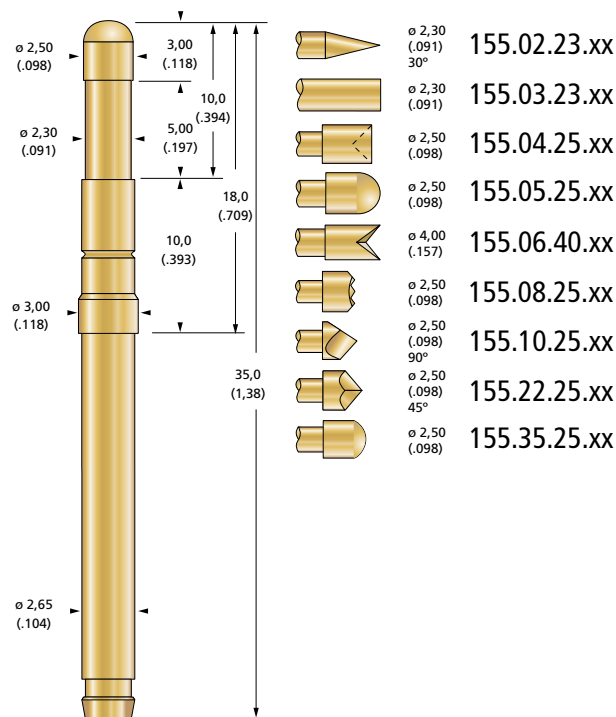
Probes of this series have a machined barrel made of brass. At the bottom end of the barrel is a "snap-groove", that provides very strong press fit of the probe in the receptacle. This option is mainly used in the field of cable-harness testing, where probes tend to rove out little by little. If you don't need this option, please refer to the series 50 with equivalent dimensions.

Please notice, that the snap-in function is not provided, when one of the available spacer tubes is in use.

Service and maintenance can increase the life-time of a probe dramatically. You can find more informations about this in our little booklet "Service and Maintenance Manuel for Test Fixtures".

Materials:

Plunger:	CuBe or Steel, hard gold plated 400 HV
Barrel:	Brass, gold plated
Spring:	Music Wire, silver plated

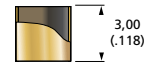




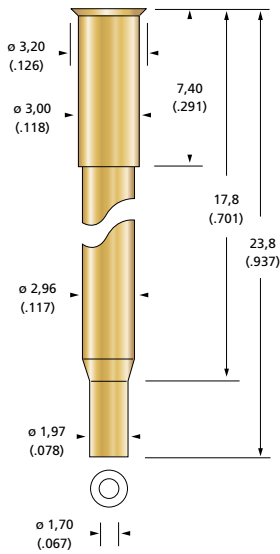
D 50.01
Tube Spacer 1 mm (.039)



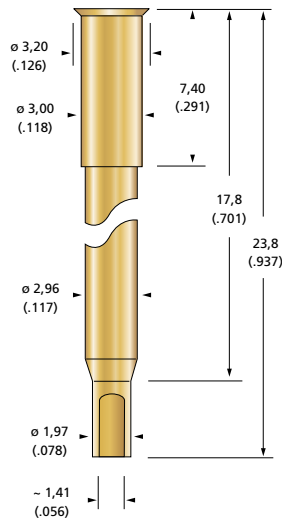
D 50.02
Tube Spacer 2 mm (.078)



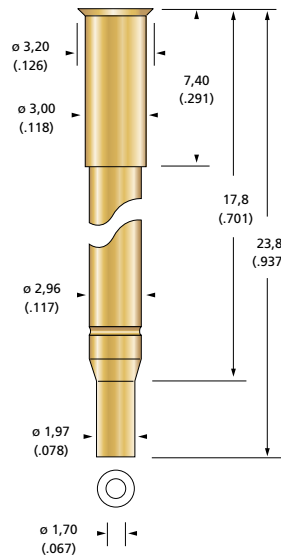
D 50.03
Tube Saper 3 mm (.118)



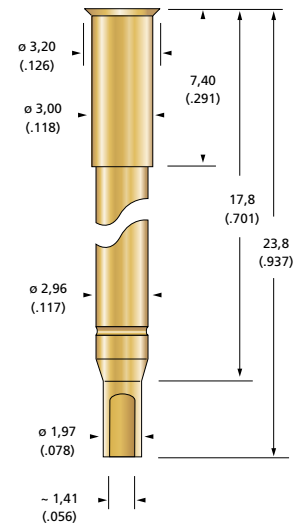
S 50.00-C
Open Crimp End
No Snap-Groove



S 50.00-L
Solder Cup
No Snap-Groove



S 150.00-C
Open Crimp End
with Snap-Groove



S 150.00-L
Solder Cup
with Snap-Groove

Further terminations available on request
(e.g. with pre-attached wire or with wire-wrap-post).

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 below is showing the recommended drill diameter and the order numbers needed when ordering drill bits from us. For machining parameters please consult factory.

Press-Ring or Stop Ring used as a Collar			
Material	Drill-ø		Part No.
CEM1 (also called EP105)	.1181 in. 3.00 mm		500-0300
FR4 (G10, Hgw 2372 or Hgw 2372.1)	.1201 in. 3.05 mm		500-0305