

Series 14 uses Receptacles of Series 15

The list is showing all head-styles which are available in the series 14.

Silver drawing means: head with steel core.

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:

14.05.05.10

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.)
10	0.65 2.25	1.0 3.46
15	1.0 3.46	1.5 5.19
20	1.5 5.19	2.0 6.92

Further Technical Data:

Minimum centre spacing:	1.27 mm	.05 inches
Extension height:	4 - 11.9 mm	.157 - .469 inches
Overall length:	40.8 mm	1.606 inches
Barrel diameter:	0.78 mm	.031 inches
Plunger shaft diameter:	0.5 mm	.02 inches
Maximum travel:	4 mm	.157 inches
Recommended (rated) travel:	2.8 mm	.11 inches
Temperature range:	-55°C ... +105°C	-67°F ... +221°F
Typical electrical resistance:	20 mΩ	
Rated electrical current load:	2.5 amps	
Maximum current load:	3 amps	
Typical life-time in cycles:	2 x 10 <sup>6</sup> cycles	

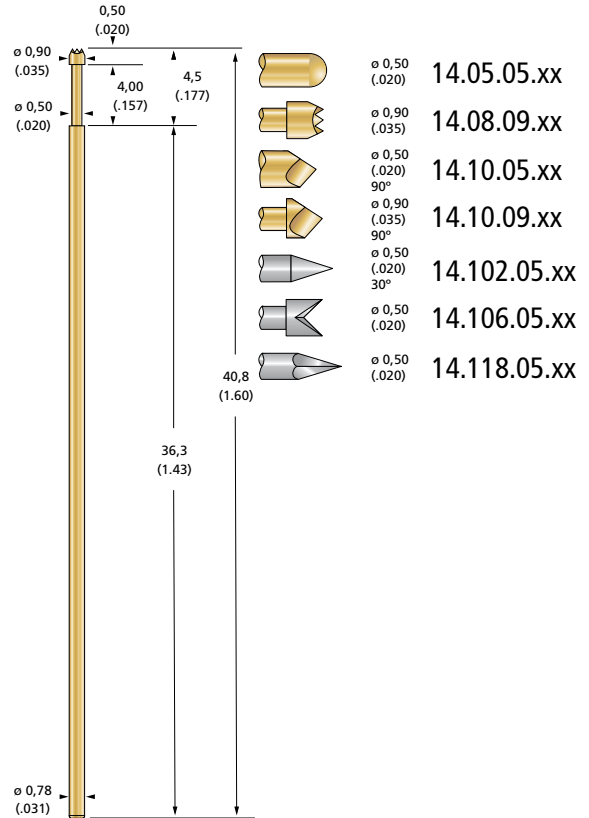
Further spring forces and head styles available on request. Please allow longer delivery for special configurations.

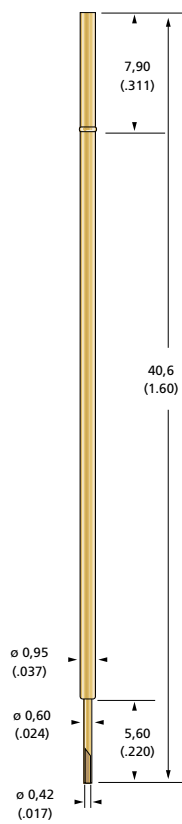
Please note: the 2.0 N-spring type (sufix ".20") allows wider temperature range from -212 to 392°F (-100°C to +200°C).

The series 14 and series 15 probes are basically identical and have differences in length and travel. Series 14 has a max. travel of 4 mm and can be combined with series 751 probes for 75 MIL centre pitch and series 21 for 100 MIL centres. Both of these series have the same max. travel of 4 mm.

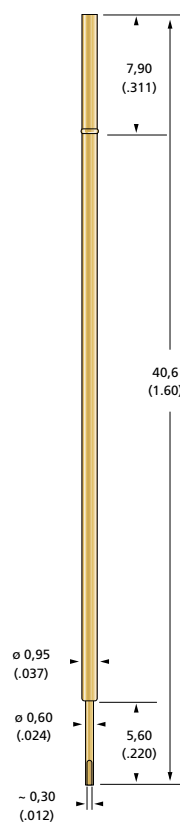
Materials:

Plunger:	Hardened Tool Steel, gold plated
Barrel:	Hardened CuBe, gold plated
Spring:	Music Wire, gold plated





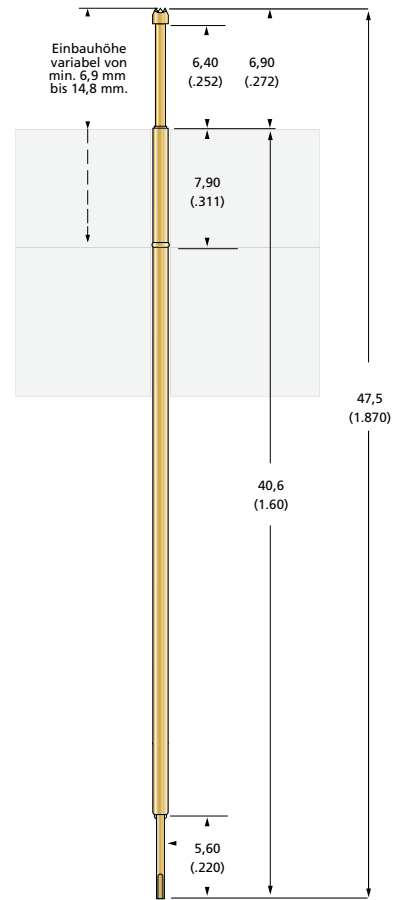
**S 15.00-C**  
Open Crimp End



**S 15.00-L**  
Solder Cup



**S 15.00-CD**  
AWG30 wire pre-attached \*)



**Fixturing Example**

\*) Type, colour and length of wire on request

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.

Receptacle with Press-Ring, pressed into Plate Material			
Material	Drill- $\phi$		Part No.
CEM1 (also called EP105)	.0386 in.	0.98 mm	500-0098
FR4 (G10, Hgw 2372 or Hgw 2372.1)	.0394 in.	1.00 mm	500-0100
Press-Ring or Stop Ring used as a Collar			
CEM1 (also called EP105)	.0378 in.	0.96 mm	500-0096
FR4 (G10, Hgw 2372 or Hgw 2372.1)	.0386 in.	0.98 mm	500-0098