

Series 75 replaces Fixtest Series 19

The list is showing all head-styles which are available in the series 75.

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:

75.04.12.10

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.)
<u>10</u>	0.4 1.38	1.0 3.46
<u>15</u>	0.4 1.38	1.5 5.19
<u>20</u>	0.6 2.08	2.0 6.92
<u>25</u>	0.4 1.38	2.5 8.65

### Further Technical Data:

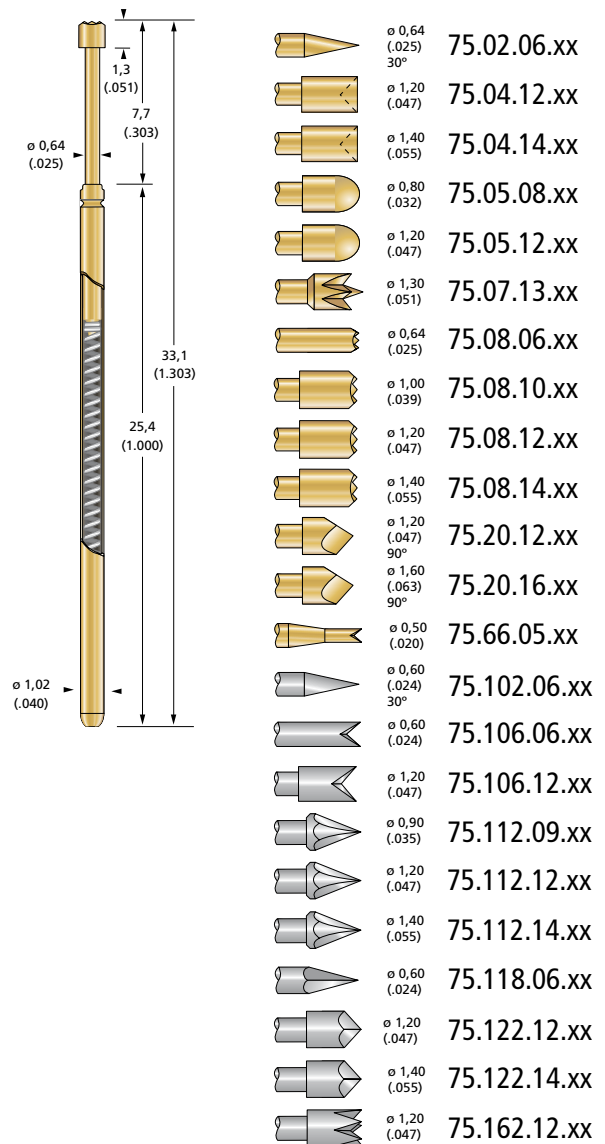
Minimum center spacing:	1.9	mm	.075	inches
Extension height:	7.7	mm	.303	inches
Overall length:	33.1	mm	1.303	inches
Barrel diameter:	1.02	mm	.040	inches
Plunger shaft diameter:	0.64	mm	.025	inches
Maximum travel shaft style:	7.7	mm	.303	inches
Maximum travel head style:	6.4	mm	.252	inches
Recommended (rated) travel:	4.3	mm	.069	inches
Temperature range:	-55°C ... +105°C		-67°F ... +221°F	
Typical electrical resistance:	20	mΩ		
Rated electrical current load:	3	amps		
Maximum current load:	4	amps		
Typical life-time in cycles:	1 x 10 <sup>6</sup> cycles			

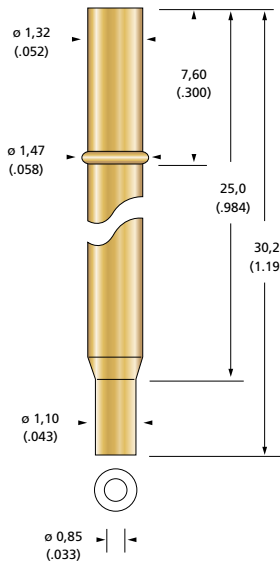
Further spring forces and head styles available on request. Please allow longer delivery for special configurations.

This series is also available with our special surface „XXLonglife“, which means, specially in combination with lead-free solder, a massive elongation of the contact service life, a continuously error-free signal transmission and a high reliability. This plating has got the same electrical characteristics like gold, but a extremely high abrasion firmness and surface hardness. In addition, this plating has got a repulsive effect against contaminations. If you want to order this surface, add an X behind the series number, for example 75X.04.12.10.

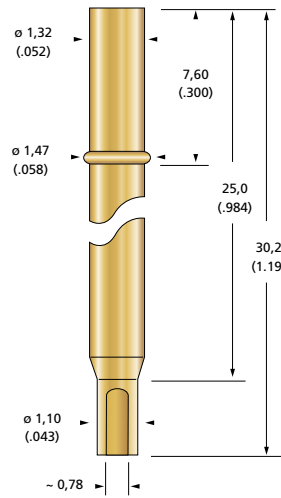
### Materials:

Plunger:	CuBe or Steel, gold plated
Barrel:	Copper Alloy, gold plated
Spring:	Music Wire, gold plated

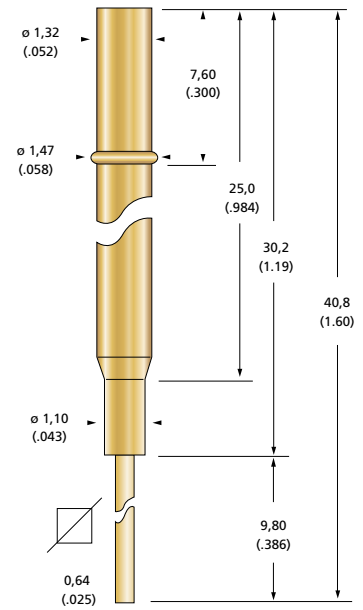




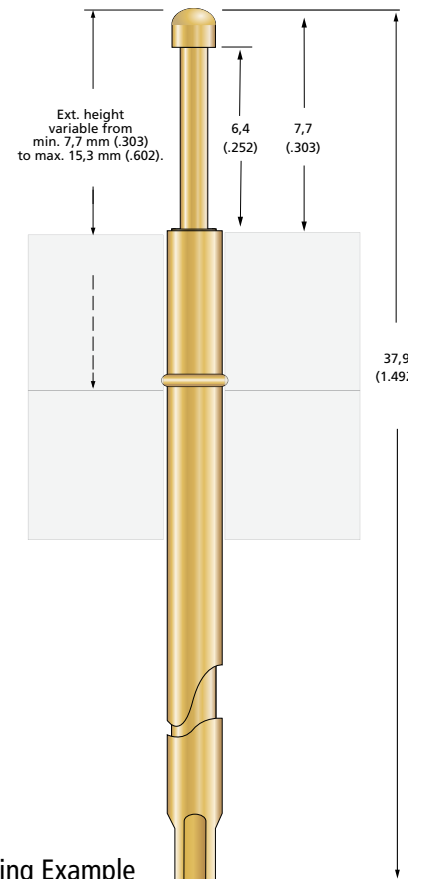
**S 75.00-C**  
Open Crimp End



**S 75.00-L**  
Solder Cup



**S 75.00-W**  
Wire-Wrap-Post



Fixturing Example

Further receptacles and options, for example with pre-attached wire (stranded wire or wire-wrap-wire) we produce on demand.

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.

Receptacle with Press-Ring, pressed into Plate Material			
Material	Drill- $\phi$		Part No.
CEM1 (also called EP105)	.0539 in.	1.37 mm	500-0137
FR4 (G10, Hgw 2372 or Hgw 2372.1)	.0551 in.	1.40 mm	500-0140
Press-Ring or Stop Ring used as a Collar			
CEM1 (also called EP105)	.0516 in.	1.31 mm	500-0131
FR4 (G10, Hgw 2372 or Hgw 2372.1)	.0520 in.	1.32 mm	500-0132