

The list is showing all head-styles which are available in the series 071. 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:  
071.02.05.06

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.)
06	0.20 .69	0.6 2.08
08	0.25 .87	0.8 2.77
10	0.30 1.04	1.0 3.46

Further Technical Data:

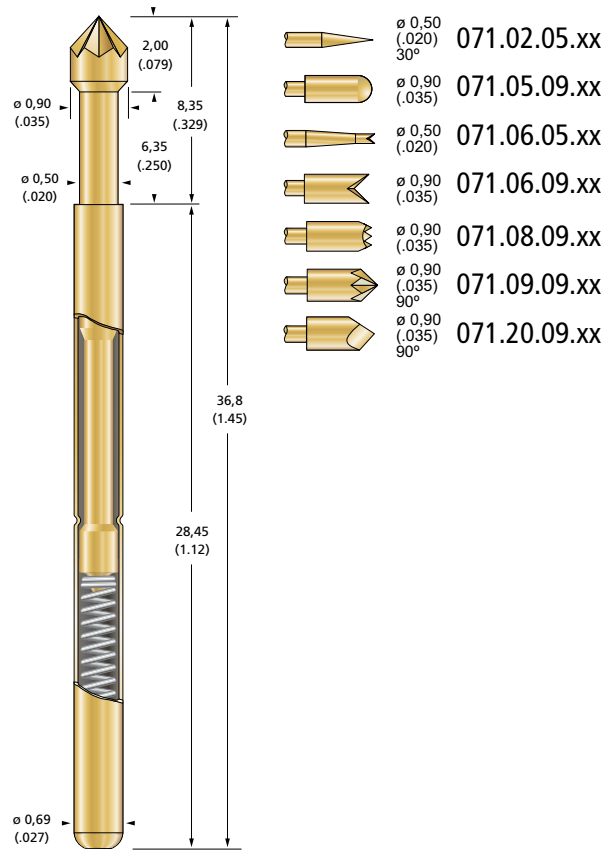
Minimum centre spacing:	1.27 mm	.05 inches
Extension height:	8.4 - 12.4 mm	.331 - .488 inches
Overall length:	36.8 mm	1.449 inches
Barrel diameter:	0.69 mm	.027 inches
Plunger shaft diameter:	0.5 mm	.02 inches
Maximum travel:	6.35 mm	.25 inches
Recommended (rated) travel:	4.2 mm	.165 inches
Temperature range:	-55°C ... +105°C	-67°F ... +221°F
Typical electrical resistance:	25 mΩ	
Rated electrical current load:	2 amps	
Maximum current load:	3 amps	
Typical life-time in cycles:	2 x 10 <sup>6</sup> cycles	

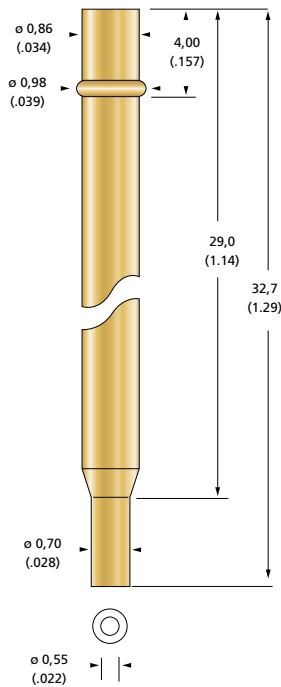
Further spring forces and head styles available on request. Please allow longer delivery for special configurations.

The series 071 can be combined with probes for larger centre pitches: series 100 for 100 MIL centres and series 75 for 75 MIL centres. The travel length and other dimensions are designed in a way to allow combined use in the same fixture. Only the outside diameter - which effects the min. centre spacing - is different.

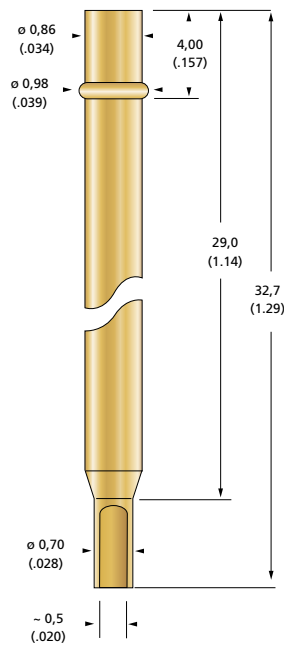
Materials:

Plunger:	Hardened BeCu, gold plated
Barrel:	Copper Alloy, gold plated
Spring:	Music Wire, silver plated

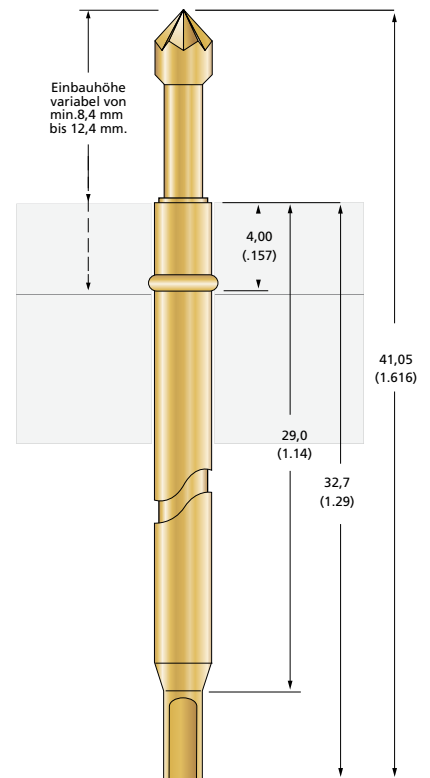




**S 071.00-C**  
Open Crimp End



**S 071.00-L**  
Solder Cup



**Fixturing Example**

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- $\varnothing$		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)	.0354 in. 0.90 mm		500-0090
FR4 (G10, Hgw 2372 or Hgw 2372.1)	.0354 in. 0.90 mm		500-0090