

Series 201 for ≥ 100 MIL Pitch

Variant of the Series 20 for ≥ 100 MIL Pitch
Pass-Thru-Plunger | Maximum Travel 250 MIL (6.35 mm)

The Series 201 uses this Receptacle of Series 100

The list is showing all head-styles which are available in the series 201. 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:
201.03.18.10

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>	0.3	1.04	1.0	3.46
<u>18</u>	0.6	2.08	1.8	6.23
<u>25</u>	1.0	3.46	2.5	8.65

Further Technical Data:

Minimum center spacing:	2.54	mm	.1	inches
Extension height:	8.4	mm	.331	inches
Overall length:	39.4	mm	1.551	inches
Barrel diameter:	1.36	mm	.054	inches
Plunger shaft diameter:	1	mm	.039	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:	2	mΩ		
Rated electrical current load:	16	amps		
Maximum current load:	20	amps		
Typical life-time in cycles:	1 x 10 ⁶	cycles		

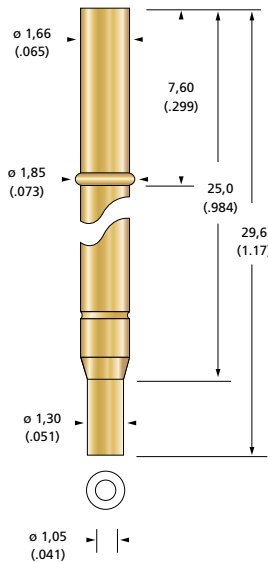
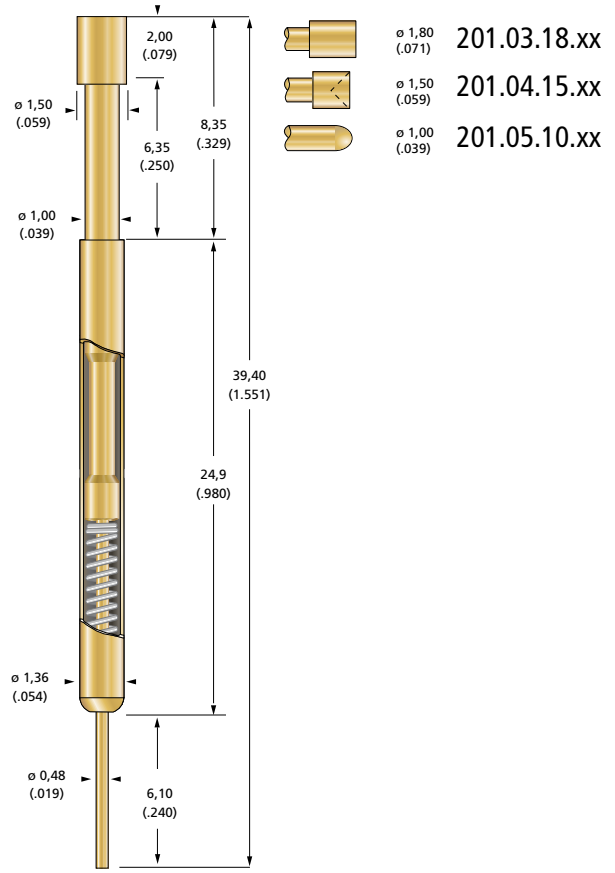
Further spring forces and head styles available on request. Please allow longer delivery for special configurations.

Reduced range of head styles.

This version of the series 20 has a pass-thru-plunger that sticks out at the bottom end of the probe and moves with the travel stroke. If the wire is connected directly to the tail end, the total electrical resistance level is very low and constant - accordingly the maximum current load is rather high. If you have questions about how to connect to this probe, please contact our sales team.

Materials:

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



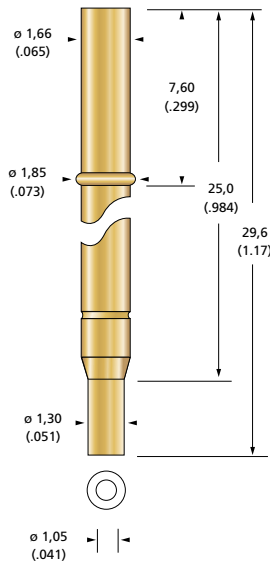
S 100.00-C
Open End

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.

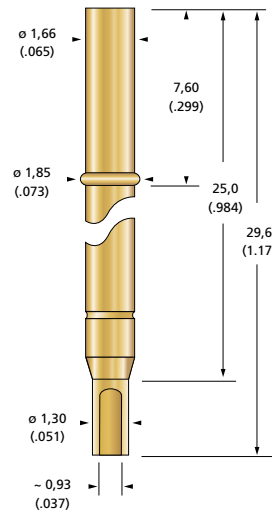
Receptacle with Press-Ring, pressed into Plate Material

Material	Drill-ø		Part No.
CEM1 (also called EP105)	.0689 in.	1.75 mm	500-0175
FR4 (G10, Hgw 2372 or Hgw 2372.1)	.0701 in.	1.78 mm	500-0178
Press-Ring or Stop Ring used as a Collar			
CEM1 (also called EP105)	.0665 in.	1.69 mm	500-0169
FR4 (G10, Hgw 2372 or Hgw 2372.1)	.0669 in.	1.70 mm	500-0170

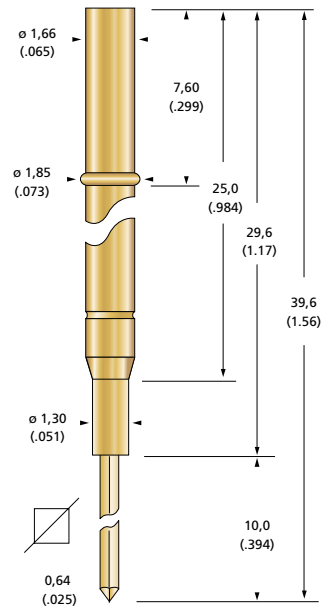




S 100.00-C
Open Crimp End



S 100.00-L
Solder Cup



S 100.00-W
Wire-Wrap-Post

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

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