Serie 262 Raster ≥ 2,5 mm

Variant of Series 26 with smaller Plunger Shaft Diameter
Maximum Travel 250 MIL (6.35 mm)

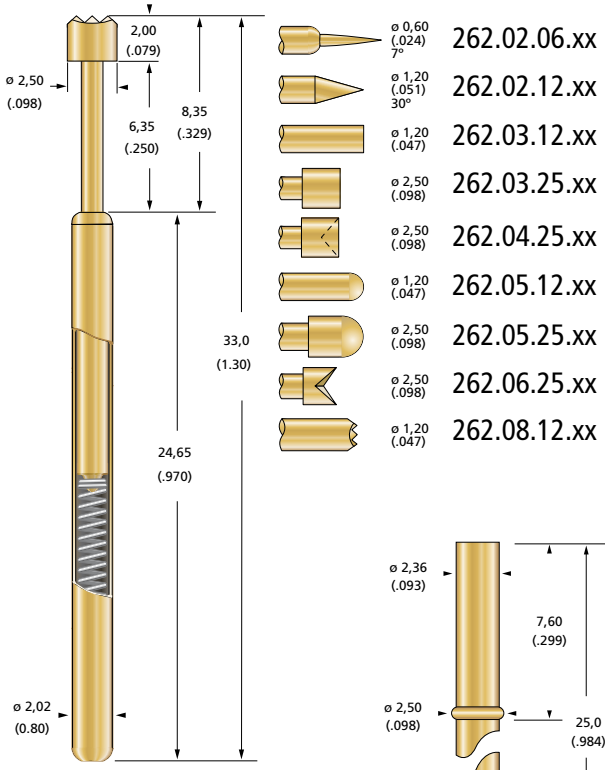
The Series 262 uses Receptacles of Series 26

The list is showing all head-styles which are available in the series 262. 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:
262.02.12.12

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.)
12	0.4	1.38	1.2	4.15
18	0.6	2.08	1.8	6.23
25	0.8	2.77	2.5	8.65
44	1.5	5.19	4.4	15.23



Further Technical Data:

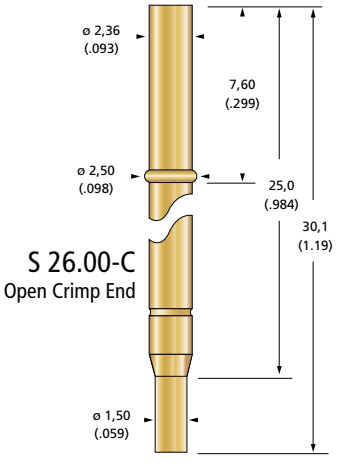
Minimum centre spacing:	3.2	mm	.126	inches
Extension height:	8.4	mm	.331	inches
Overall length:	33	mm	1.229	inches
Barrel diameter:	2.02	mm	.08	inches
Plunger shaft diameter:	1.2	mm	.047	inches
Maximum travel:	6.35	mm	.25	inches
Recommended (rated) travel:	4.2	mm	.165	inches
Temperature range:	-55°C ... +105°C		-67°F ... +221°F	
Typical electrical resistance:	15	mΩ		
Rated electrical current load:	4	amps		
Maximum current load:	5	amps		
Typical life-time in cycles:	2 x 10^6	cycles		

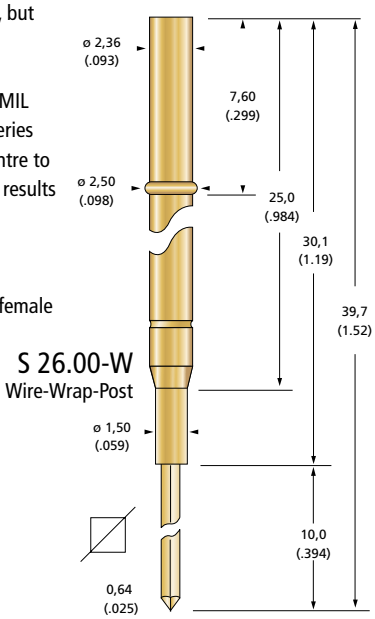
Further spring forces and head styles available on request. Please allow longer delivery for special configurations.

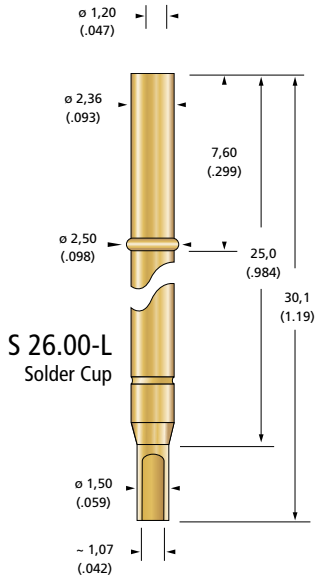
For higher current loads up to 15 amps use series 126, for very high current load up to 30 amps series 226. Both have the same geometrical dimensions like this series 262, but different design inside which allows continuous high current loads.

The Series 262 has the same length and travel dimensions like the series 26 for 100 MIL centres. Using the rule of thump "always use the biggest probe size possible", the series 262 is ideal for applications in test fixtures, where some of the test points have a centre to centre spacing of ≥ 3.2 mm. The robust size of the probe achieves more reliable test results and a longer cycle-lifetime.
Even larger diameters, but good for combinations as well are the series 27 and 28.

Mainly used for connector testing and similar components. Especially for the test of female connectors we offer a number of reduced diameter heads. The spherical round head slides into the connector bushing without damaging or stressing the contact materials.







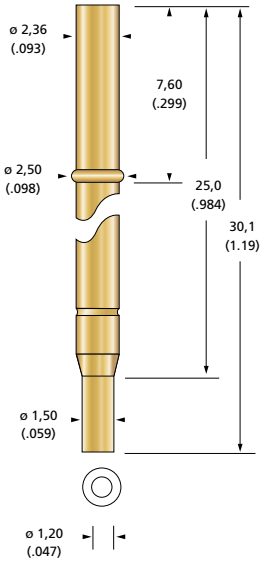
Materials:

Plunger:	Copper Alloy, hard gold plated 400HV
Barrel:	Copper Alloy, gold plated
Spring:	Music Wire, gold plated

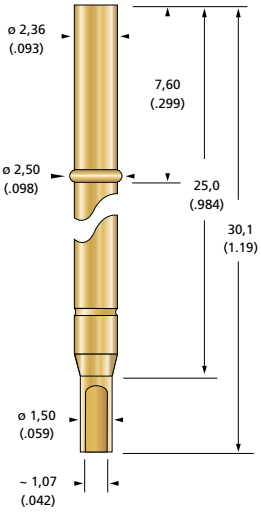
For the installation of the receptacles the mounting plate requires precise drilling. In the fixture business there are some typical base materials used for the pin plates which are different in drill bit diameters and machining parameters. The table is showing the recommended drill diameter and the order numbers needed when ordering drill bits from us. For machining parameters please consult factory.

Receptacle with Press-Ring, pressed into Plate Material

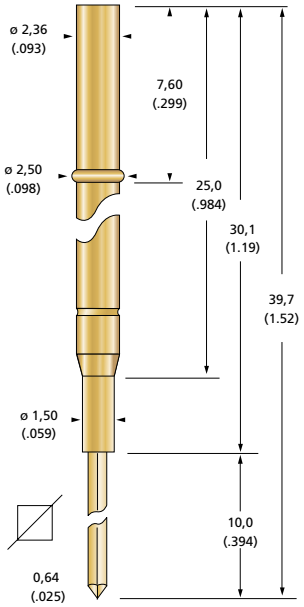
Material	Drill-ø		Part No.
CEM1 (also called EP105)	.0945 in.	2.40 mm	500-0240
FR4 (G10, Hgw 2372 or Hgw 2372.1)	.0984 in.	2.50 mm	500-0250
Press-Ring or Stop Ring used as a Collar			
CEM1 (also called EP105)	.0941 in.	2.39 mm	500-0239
FR4 (G10, Hgw 2372 or Hgw 2372.1)	.0945 in.	2.40 mm	500-0240



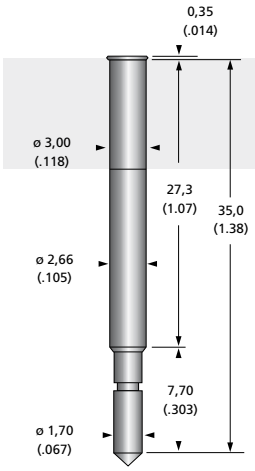
S 26.00-C
Open Crimp End



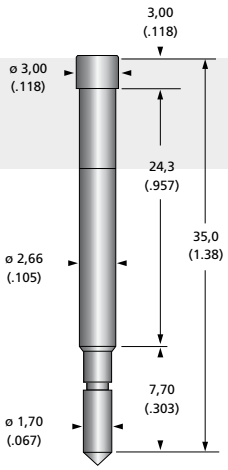
S 26.00-L
Solder Cup



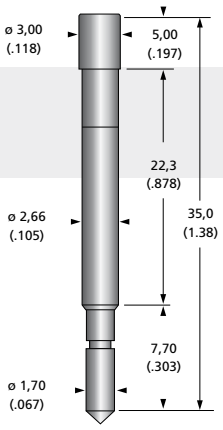
S 26.00-W
Wire-Wrap-Post



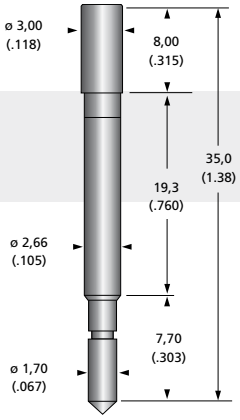
S 26.04-T
Plug Connection
(Automotive)



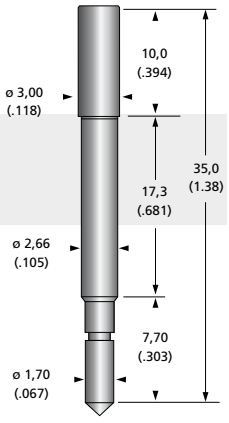
S 26.30-T
Plug Connection
(Automotive)



S 26.50-T
Plug Connection
(Automotive)



S 26.80-T
Plug Connection
(Automotive)



S 26.100-T
Plug Connection
(Automotive)

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Receptacle with Press-Ring, pressed into Plate Material			
Material	Drill-ø		Part No.
CEM1 (also called EP105)	.0945 in.	2.40 mm	500-0240
FR4 (G10, Hgw 2372 or Hgw 2372.1)	.0984 in.	2.50 mm	500-0250
Press-Ring or Stop Ring used as a Collar			
CEM1 (also called EP105)	.0925 in.	2.35 mm	500-0235
FR4 (G10, Hgw 2372 or Hgw 2372.1)	.0933 in.	2.37 mm	500-0237