



F100

Probe 100 mil Standard

| | |
|-------------------------|--------------------------------------|
| Centers (mm/mil) | 2,54 / 100 |
| Current | 5,0 A |
| R typ | 20 mOhm |
| Temperature | -45°C...+100°C -45°C...+200°C (H) |

Spring Force (cN ±20%)

| Version | Preload | Nominal |
|----------|---------|---------|
| Standard | 30 | 60 |
| Standard | 40 | 100 |
| Standard | 80 | 150 |
| Standard | 80 | 200 |
| Standard | 150 | 300 |
| Standard | 180 | 400 |
| H | 70 | 150 |
| H | 70 | 200 |
| H | 100 | 300 |
| L | 40 | 100 |
| L | 80 | 150 |
| L | 80 | 200 |
| L | 150 | 300 |
| Mint-Pin | 40 | 100 |
| Mint-Pin | 80 | 150 |
| Mint-Pin | 60 | 225 |

Travel (mm)

| Version | Nominal | Maximum |
|-------------------|---------|----------|
| Standard | 4,3 | 6,4 |
| L | 4,3 | 6,4 |
| Mint-Pin | 4,3 | 6,4 |
| Pointing Accuracy | | ±0,08 mm |

Materials and Plating

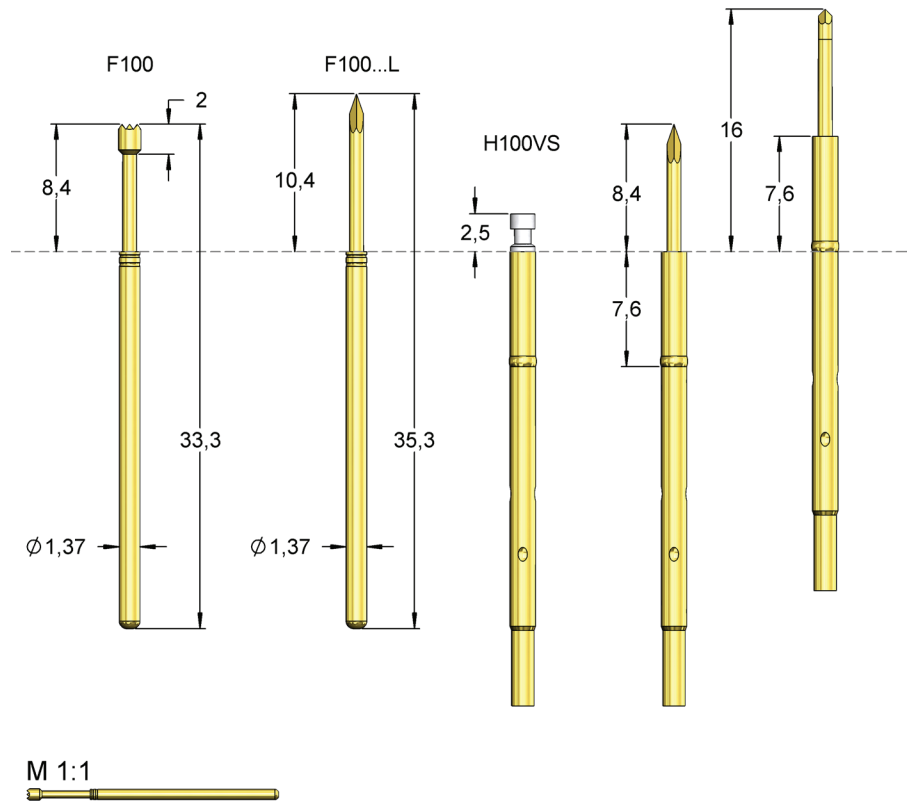
| | |
|------------|----------------------------|
| Plunger | see tip style |
| Barrel | Bronze, gold plated |
| Spring | Music wire, silver plated |
| Receptacle | Nickel silver, gold plated |

Accessories

| | |
|---------------------------|------------|
| Insertion tool receptacle | FEWZ-100EV |
| Insertion tool receptacle | FEWZ-100E0 |
| Insertion tool probe | FDWZ-100 |
| Plug lock | H100VS |

| Series | Tip-Ø | Spring Force (cN) |
|-------------|-----------|----------------------|
| F100 | 06 | B 150 G 100 L |
| Tip Style | Material | Plating |
| | | Version |

| | |
|--------------------|---|
| Material: | B = BeCu, S = Steel |
| Tip-Ø: | 150 = 1,50 mm (e.g.) |
| Plating: | G = Gold plated, L = Longtime Gold plated |
| Version: | L = Long version, IK = Insulation cap |
| Receptacle: | Order Code according drawing |



M 1:1



Probe series F100 is the most common probe for 100 mil centers.
Further information about the receptacles see extra section for receptacle H100.

| Tip Style | Number | Material | Ø in mm | Plating | Version |
|-----------|--------|----------|---------|---------|----------|
| | 05 | B | 1,50 | G | - |
| | 06 | B | 1,30 | G | - |
| | 06 | B | 1,30 | G | H |
| | 06 | B | 1,50 | G | - |
| | 06 | B | 1,50 | G | H |
| | 06 | B | 1,50 | G | L |
| | 06 | B | 2,00 | G | - |
| | 06 | B | 2,50 | G | - |
| | 06 | B | 3,00 | G | - |
| | 06 | B | 3,10 | G | Mint-Pin |
| | 06 | B | 4,00 | G | - |
| | 07 | S | 1,50 | L | - |
| | 07 | S | 1,50 | L | H |
| | 11 | B | 0,50 | G | - |
| | 11 | B | 0,64 | G | - |
| | 11 | B | 0,90 | G | - |
| | 11 | B | 0,90 | G | H |
| | 11 | B | 0,90 | G | L |



F100

Probe 100 mil Standard

Drill size (mm)

| | |
|--------------------------------|-------------|
| Receptacle Press ring as stop | 1,67 - 1,69 |
| Receptacle Press ring inserted | 1,70 - 1,75 |

Projection Height (mm)

| | |
|---------------------------|-------------|
| (F100) H100.../10.0 | 8,4 - 18,4 |
| (F100) H100.../7.6 | 8,4 - 16,0 |
| (F100) H100.../2.0 | 8,4 - 10,4 |
| (F100) H100WW10/2.0S1 | 11,4 - 13,4 |
| (F100) H100WW10/2.0S2 | 16,4 - 18,4 |
| (F100...L) H100.../10.0 | 10,4 - 20,4 |
| (F100...L) H100.../7.6 | 10,4 - 18,0 |
| (F100...L) H100.../2.0 | 10,4 - 12,4 |
| (F100...L) H100WW10/2.0S1 | 13,4 - 15,4 |
| (F100...L) H100WW10/2.0S2 | 18,4 - 20,4 |

| Tip Style | Number | Material | Ø in mm | Plating | Version |
|-----------|--------|----------|---------|---------|---------|
| | 12 | B | 1,50 | G | - |
| | 14 | B | 1,30 | G | - |
| | 14 | B | 1,50 | G | - |
| | 14 | S | 1,30 | L | - |
| | 14 | S | 1,30 | L | H |
| | 14 | S | 1,50 | L | H |
| | 14 | S | 1,50 | L | - |
| | 15 | B | 1,50 | G | - |
| | 15 | B | 1,50 | G | L |
| | 15 | B | 1,50 | G | H |
| | 15 | B | 1,70 | G | - |
| | 15 | B | 2,50 | G | H |
| | 17 | B | 1,50 | G | - |
| | 17 | B | 2,00 | G | - |
| | 17 | B | 2,00 | G | H |
| | 18 | B | 0,90 | G | - |
| | 21 | S | 0,90 | L | - |
| | 21 | S | 0,90 | L | L |
| | 30 | B | 0,90 | G | - |
| | 33 | S | 0,90 | L | - |
| | 33 | S | 0,90 | L | H |
| | 33 | S | 0,90 | L | L |
| | 35 | S | 1,50 | L | - |
| | 36 | S | 1,30 | L | - |
| | 36 | S | 1,30 | L | H |
| | 37 | S | 0,50 | L | - |
| | 38 | S | 0,90 | L | - |
| | 43 | S | 0,90 | L | - |
| | 53 | S | 0,90 | L | - |
| | 53 | S | 0,90 | L | L |
| | 55 | B | 1,80 | G | - |
| | 55 | B | 1,80 | G | H |
| | 55 | B | 1,80 | G | L |
| | 62 | B | 0,90 | G | - |
| | 62 | B | 0,90 | G | H |
| | 63 | B | 1,50 | G | - |



H100

Receptacle 100 mil

Materials and Plating

Receptacle Nickel silver, gold plated

Accessories

| | |
|--------------------------|-------------|
| Insertion tool, variable | FEWZ-100EV |
| Insertion tool, fix | FEWZ-100E0 |
| Insertion tool, variable | FEWZ-100Exx |

Drill size (mm)

| | |
|--------------------------------|-------------|
| Receptacle press ring as stop | 1,67 - 1,69 |
| Receptacle press ring inserted | 1,70 - 1,75 |

Projection Height (mm)

| | |
|---------------------------|-------------|
| (F100) H100.../10.0 | 8,4 - 18,4 |
| (F100) H100.../7.6 | 8,4 - 16,0 |
| (F100) H100.../2.0 | 8,4 - 10,4 |
| (F100) H100WW10/2.0S1 | 11,4 - 13,4 |
| (F100) H100WW10/2.0S2 | 16,4 - 18,4 |
| (F100...L) H100.../10.0 | 10,4 - 20,4 |
| (F100...L) H100.../7.6 | 10,4 - 18,0 |
| (F100...L) H100.../2.0 | 10,4 - 12,4 |
| (F100...L) H100WW10/2.0S1 | 13,4 - 15,4 |
| (F100...L) H100WW10/2.0S2 | 18,4 - 20,4 |

For probes **F100**, **F588** and **F585** different receptacles are available with different connection types (e.g. LA, CR, WW), different press ring positions (e.g. 2,0; 7,6; 10,0 mm) and different wire-wrap posts (10,0; 19,0 mm length).

Plug locks **H100VS** can be used to close empty receptacles in order to prevent false assemblies and to avoid contamination.

Die insulating sleeve **H502IS** can be also used for receptacle H100.

The dimensions shown in (brackets) on the receptacle drawing are the possible respective **insertion depths** of the probes in the mounting receptacle. This results in the protrusion heights of the contact probes.

| Series | Length of Wire Wrap Pin |
|---------------------------------|---|
| H100 | WW 10 / 7.6 |
| Connection Type | Press Ring Position |
| Connection Type: | CR = Crimp connection LA = Solder connection WW = Wire Wrap connection WR = Round pin WL = Spring loaded connection LI = Stranded wire |
| Length of Wire Wrap Pin: | e.g. 10 = 10,0 mm |
| Press Ring Position: | e.g. 7.6 = 7,6 mm |

