

# INTERFACE PROBES

## F100

### Probe 100 mil for Defined Test Systems

<b>Centers (mm/mil)</b>	2,54 / 100
<b>Current</b>	5,0 A
<b>R typ</b>	<30 mOhm
<b>Temperature</b>	-20°C...+80°C

#### Spring Force (cN ±20%)

Version	Preload	Nominal
Standard	80	150
Standard	80	200
Mint-Pin	40	100
Mint-Pin	80	150
Mint-Pin	60	225

#### Travel (mm)

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

#### Materials and Plating

Plunger	see tip style
Barrel	Nickel silver, 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

#### Drill size (mm)

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

#### Projection Height (mm)

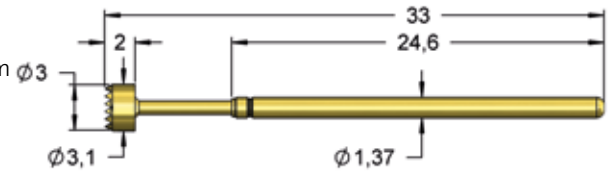
(F100) H100.../10.0	8,4 - 18,4
(F100) H100.../7.6	8,4 - 16,0
(F100) H100.../2.0	8,4 - 10,4
(F100) H100WW10/2.0S1	11,4 - 13,4
(F100) H100WW10/2.0S2	16,4 - 18,4
(F100...L) H100.../10.0	10,4 - 20,4
(F100...L) H100.../7.6	10,4 - 18,0
(F100...L) H100.../2.0	10,4 - 12,4
(F100...L) H100WW10/2.0S1	13,4 - 15,4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

Series	Tip-Ø	Spring Force (cN)
<b>F100 05 B 150 G 200</b>		
Tip Style	Material	Plating
Version		
<b>Material:</b>	B = BeCu	
<b>Tip-Ø:</b>	150 = 1,50 mm (e.g.)	
<b>Plating:</b>	G = Gold plated	
<b>Receptacle:</b>	Order Code according drawing	

#### F10006B310G...

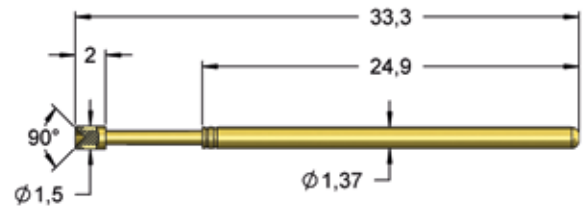
##### (Mint-Pin)

For Agilent Test System  
(HP3070/i3070/i5000)



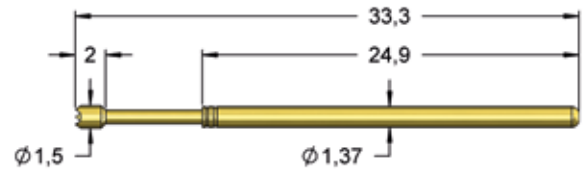
#### F10005B150G200

For Spea Test System  
(Easytest/Unitest)



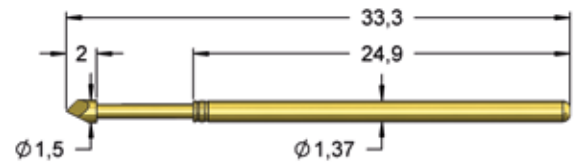
#### F10006B150G200

For Spea Test System  
(Easytest/Unitest)



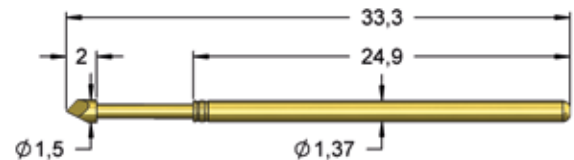
#### F10015B150G150

For Test System  
Factron 300/700  
(Schlumberger)



#### F10015B150G200

For Teradyne  
Test System  
(Spectrum 885xx)



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	Plating	Ø in mm	Version
	05	B	G	1,50	-
	06	B	G	1,50	-
	06	B	G	3,10	Mint-Pin
	15	B	G	1,50	-

## H100

### Receptacle 100 mil

#### Materials and Plating

Receptacle Nickel silver, gold plated

#### Accessories

Insertion tool, variable for Receptacle	FEWZ-100EV
Insertion tool, fix for Receptacle	FEWZ-100E0
Insertion tool, variable for Receptacle	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.

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

