

F100...HP

Probe 100 mil Progressive Series

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

Spring Force (cN ±20%)

Version	Preload	Nominal
HP	70	100
HP	75	130
HP	110	150
HP	130	200
HP	200	300
HPL	75	130
HPL	130	200
HPL	200	300

Travel (mm)

Version	Nominal	Maximum
HP	4,3	6,4
HPL	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

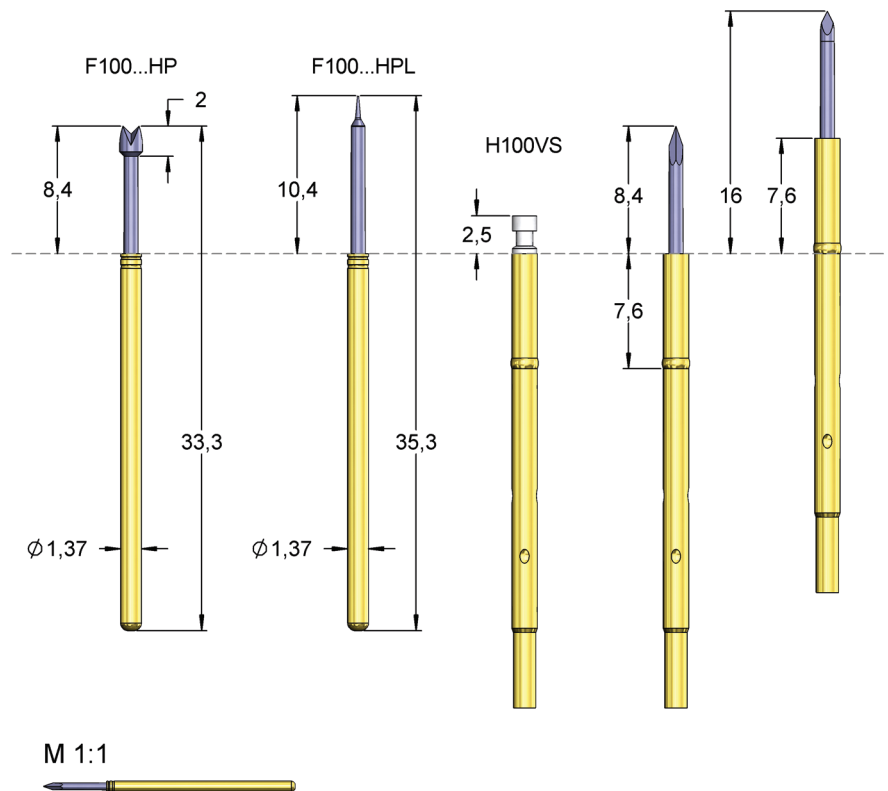
Insertion tool receptacle	FEWZ-100EV
Insertion tool receptacle	FEWZ-100E0
Insertion tool probe	FDWZ-100
Plug lock	H100VS

Drill size (mm)

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

Series	Tip-Ø	Spring Force (cN)
F100	06	B 200 P 200 HP
	Tip Style	Material
		Plating
		Version

Material:	B = BeCu, S = Steel
Tip-Ø:	200 = 2,00 mm (e.g.)
Plating:	L = Longtime Gold plated, P = Functional coating
Version:	HP = Progressive Series, HPL = Progressive Series Long version
Receptacle:	Order Code according drawing



This series was developed for difficult contacting conditions such as lead free soldered or strongly contaminated pads or oxidized boards. Probes of this series allow penetrating sticky layers reliably with a low vulnerability to contaminations of the tips. All this leads to a high contact reliability and a long life time of these probes. Further information about the receptacles see extra section for receptacle H100.

Tip Style	Number	Material	Plating	Ø in mm	Version
	06	B	P	2,00	HP
	10	S	P	0,60	HPRP
	14	S	P	1,50	HP
	21	S	P	0,90	HP
	21	S	P	0,90	HPL
	32	S	P	0,90	HP
	32	S	P	0,90	HPL
	33	S	L	0,90	HP
	33	S	P	0,90	HP
	33	S	P	0,90	HPL
	43	S	P	0,90	HP
	43	S	P	0,90	HPL
	62	S	P	0,90	HP
	62	S	P	0,90	HPL

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

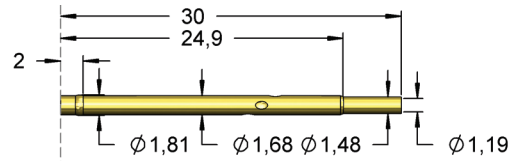
For probes **F100**, **F588** and **F585** different receptacles are available with different connection types (e.g. LA, CR, WW), **different press ring positions** (e.g. 2,0; 7,6; 10,0 mm) and different wire-wrap posts (10,0; 19,0 mm length).

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

H100CR/2.0



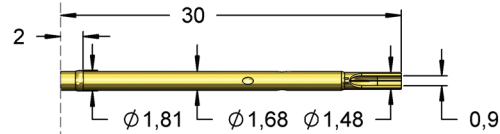
H100CR/7.6



H100CR/10.0



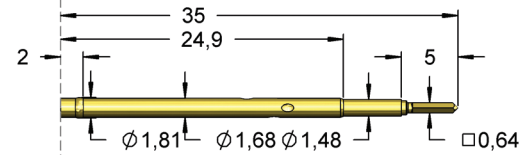
H100LA/2.0



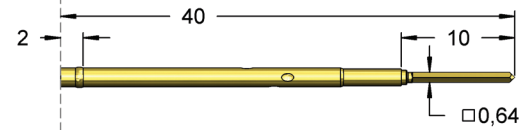
H100LA/7.6



H100WW05/2.0



H100WW10/2.0



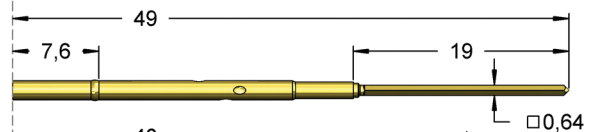
H100WW10/7.6



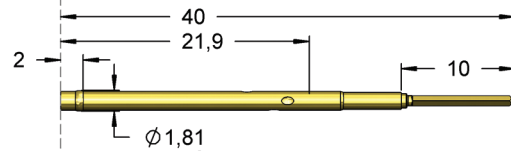
H100WW10/10.0



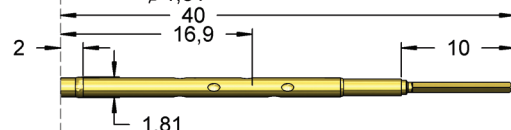
H100WW19/7.6



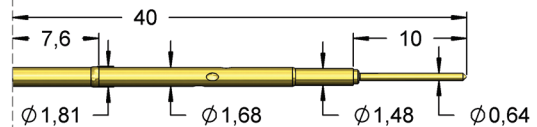
H100WW10/2.0S1



H100WW10/2.0S2



H100WR10/7.6



H100WL11/7.6

