



Long Travel Probe 100 mil

F588

Centers (mm/mil)	2,54 / 100
Current	5,0 A
Temperature	-20°C...+80°C
R typically	50 mOhm

Spring Force (cN ±20%)

Preload	Nominal Force
80	180
110	300

Travel (mm)

Nominal	Maximum
7,6	10,0
9,3	11,7
Pointing Accuracy	±0,1 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]

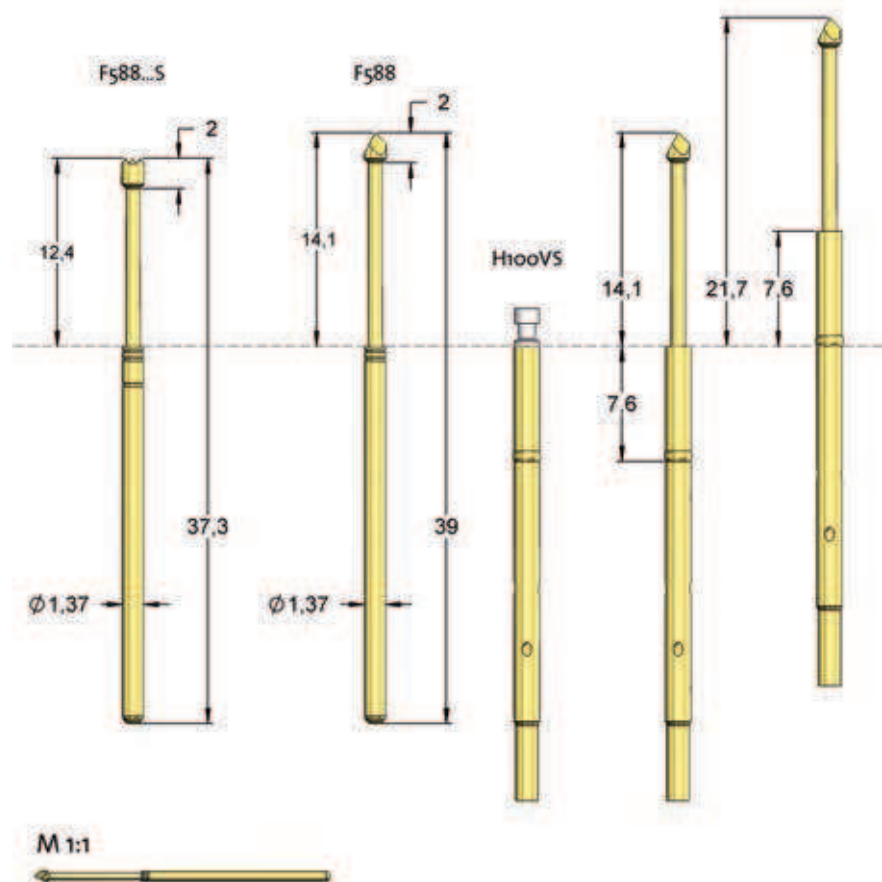
Press ring as stop	1,67 - 1,69
Press ring inserted	1,70 - 1,75

Projection Height

(F588...S) H100.../10.0	12,4 - 22,4
(F588...S) H100.../7.6	12,4 - 20,0
(F588...S) H100.../2.0	12,4 - 14,4
(F588...S) H100WW10/2.0S1	15,4 - 17,4
(F588...S) H100WW10/2.0S2	20,4 - 22,4
(F588) H100.../10.0	14,1 - 24,1
(F588) H100.../7.6	14,1 - 21,7
(F588) H100.../2.0	14,1 - 16,1
(F588) H100WW10/2.0S1	17,1 - 19,1
(F588) H100WW10/2.0S2	22,1 - 24,1

Type	Tip-Ø	Spring Force
F 588 33 S 090 P 300 HP		
Tip Style	Material	Finish
Material:	B = BeCu, S = Steel	
Tip-Ø:	090 = 0,9 mm (e.g.)	
Finish:	G = Gold, L = Longtime Gold plated, P = Functional coating	
Special Version:	HP = Progressive Series, S = Short Version, IK = Insulating cap	
Receptacle:	Order Code according drawing	

ORDER EXAMPLE



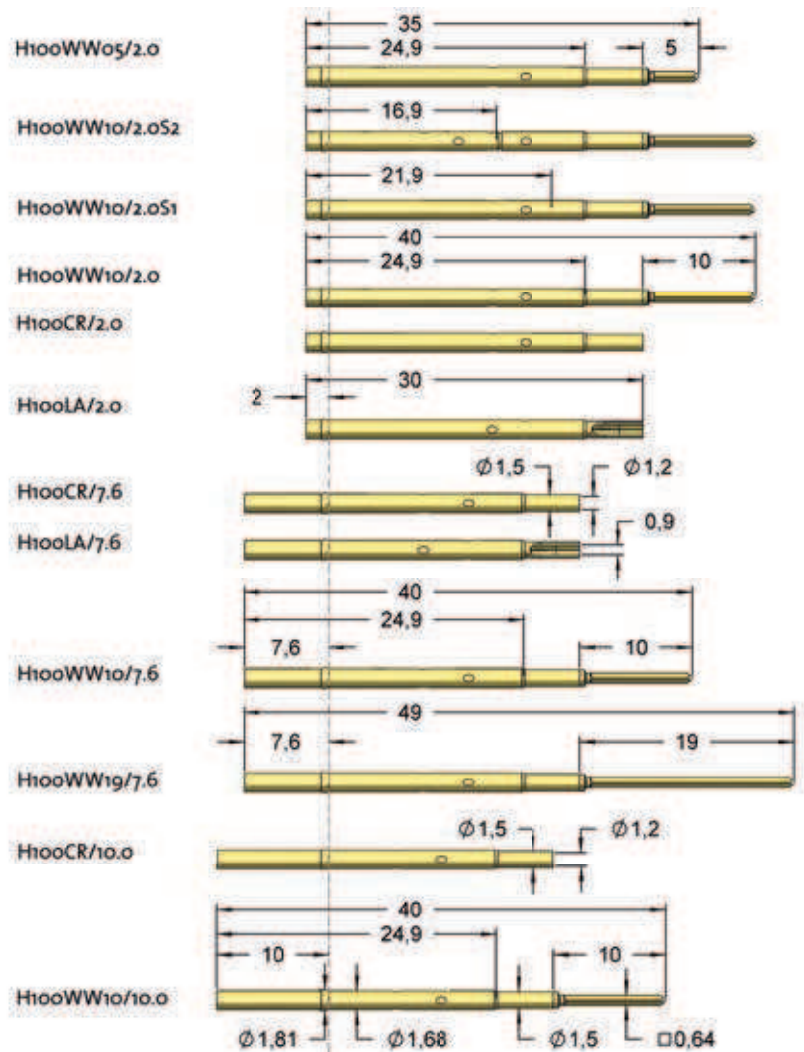
The F588 is the long travel version of the F100 and F585. These probes can be combined well in dual stage fixtures. Further receptacles see „Receptacles H100“. All tip styles also available in short S-version with a slightly larger preload.

Tip Style	Number	Material	Plating	Ø in mm	Version
	05	B	G	1,5	-
	06	B	G	1,5	-
	12	B	G	1,5	-
	15	B	G	1,5	-
	18	B	G	0,76	-
	21	B	L	0,9	-
	21	S	L	0,76	-
	21	S	L	0,9	-
	28	B	G	1,5	-
	30	B	G	0,76	-
	33	S	L	0,76	-
	33	S	L	0,9	-
	33	S	P	0,9	HP
	36	S	L	1,4	-
	38	S	L	0,9	-
	63	B	G	1,5	-

Receptacles for 100 mil Centers

H100

For probes F100, F588 and F585 different receptacles are available with different connection types (e.g. LA, CR, WW), different press ring positions and different wire-wrap posts. Adequate insertion tools are available. The right tool for flush insertion is **FEWZ-585E0**. The tools for fix projection heights are **FEWZ-100Exx**. For variable projection heights the tool **FEWZ-100EV** is appropriate. Plug locks **H100VS** can be used to close empty receptacles in order to prevent false assemblies and to avoid contamination. A special receptacle with spring loaded contact pin (**H100WL11/7.6**) enables wireless contacting of conductor paths. Additionally a receptacle with preassembled wire AWG26 is available as H100LI/7.6.



Material and Plating

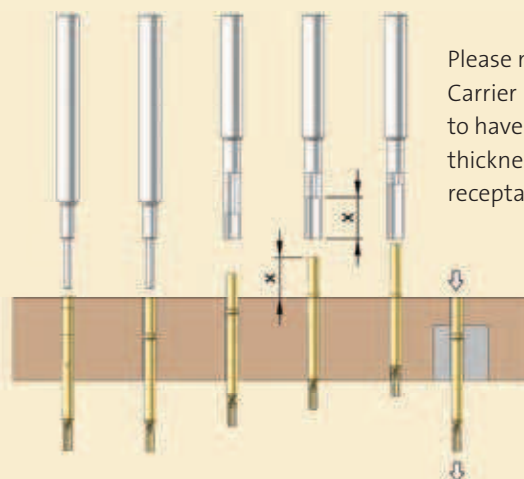
Nickel silver, gold plated

Drill Size H100 (mm)

Material	press ring as stop	press ring inserted
EP 105 (CEM1, Trolitax)	1,67-1,68	1,70-1,75
HGW 2372.1 (FR4)	1,68-1,69	

Appropriate tools are available for each type of receptacle.

Please note: Carrier plates need to have a certain thickness to hold receptacles tight.



Type	Length of Wire Wrap Pin
H100	WW 10 / 7.6
Connection Type:	Press Ring Position
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 = 10,0mm
Press Ring Position:	e.g. 7.6 = 7,6mm
ORDER EXAMPLE	

Projection Height (mm)

	H100.../10.0	H100.../7.6	H100.../2.0	H100WW10/2.0S1	H100WW10/2.0S2
F100 / F585	8,4 - 18,4	8,4 - 16,0	8,4 - 10,4	11,4 - 13,4	16,4 - 18,4
F100...L / F585...L	10,4 - 20,4	10,4 - 18,0	10,4 - 12,4	13,4 - 15,4	18,4 - 20,4
F588...S	12,4 - 22,4	12,4 - 20,0	12,4 - 14,4	15,4 - 17,4	20,4 - 22,4
F588	14,1 - 24,1	14,1 - 21,7	14,1 - 16,1	17,1 - 19,1	22,1 - 24,1