



FEINMETALL
Contact Technologies

F588

Probe 100 mil Long Travel Version

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

Spring Force (cN ±20%)

Version	Preload	Nominal
Standard	80	180
Standard	110	300
HP	110	180
HPS	140	300
S	100	180
S	140	300
IK	110	300

Travel (mm)

Version	Nominal	Maximum
Standard	9,3	11,7
HP	9,3	11,7
HPS	7,6	10,0
S	7,6	10,0
IK	9,3	11,7
Pointing Accuracy	±0,10 mm	

Materials and Plating

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

Accessories

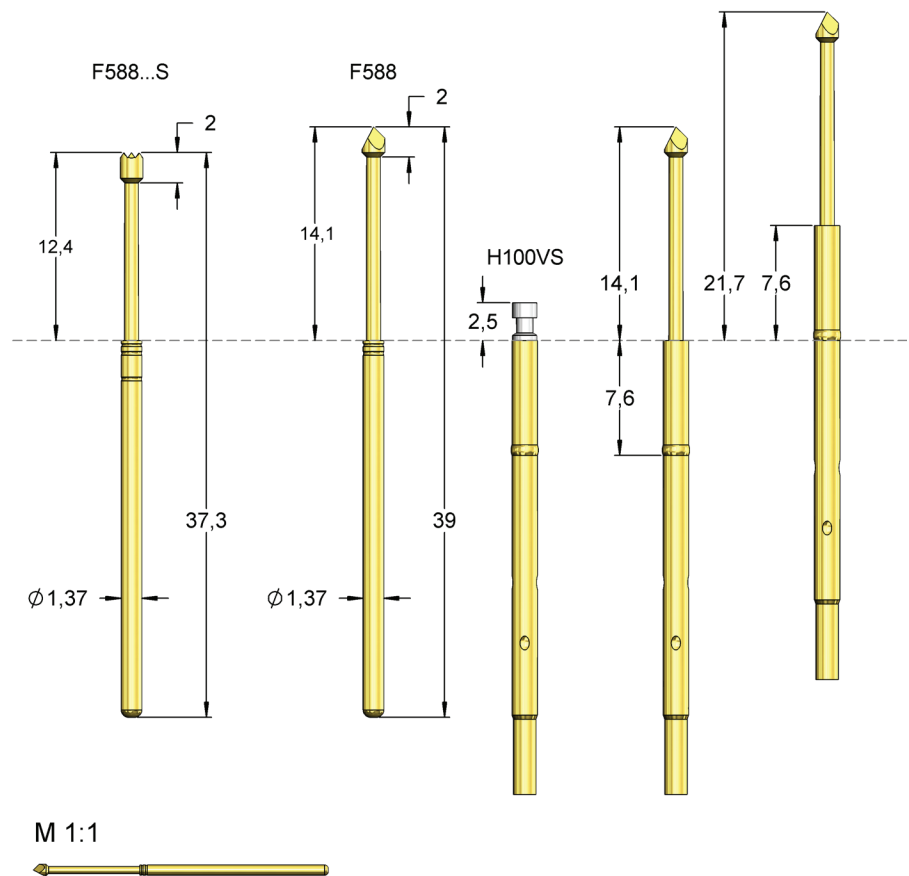
Insertion tool receptacle	FEWZ-100EV
Insertion tool receptacle	FEWZ-100E0
Insertion tool probe	FDWZ-100
Plug lock	H100VS

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)
F588	05	B
		150
		G
		180
		S

Material:	B = BeCu, S = Steel
Tip-Ø:	150 = 1,50 mm (e.g.)
Plating:	G = Gold plated, L = Longtime Gold plated, P = Functional coating
Version:	HP = Progressive Series, S = Short version
Receptacle:	Order Code according drawing



The F588 is the long travel version of the F100 and F585. These probes can be combined well in dual stage fixtures. Versions with insulation caps are also available, see page insulation caps. 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	-
	05	B	1,50	G	S
	06	B	1,50	G	-
	06	B	1,50	G	S
	11	B	0,90	G	-
	12	B	1,50	G	-
	12	B	1,50	G	S
	15	B	1,50	G	-
	15	B	1,50	G	S
	18	B	0,76	G	-
	21	S	0,76	L	-
	21	S	0,90	L	-
	21	S	0,90	P	HP
	28	B	1,50	G	-
	30	B	0,76	G	-
	33	S	0,76	L	-






















F588

Probe 100 mil Long Travel Version

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

Projection Height (mm)

(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

Tip Style	Number	Material	Ø in mm	Plating	Version
	33	S	0,76	L	S
	33	S	0,90	L	-
	33	S	0,90	L	S
	33	S	0,90	P	-
	33	S	0,90	P	HP
	33	S	0,90	P	HPS
	36	S	1,40	L	-
	37	S	0,50	L	-
	37	S	0,50	P	HP
	38	S	0,90	L	-
	41	B	1,50	G	IK
	41	B	1,50	G	IKS
	43	S	0,90	P	-
	55	B	1,80	G	-
	55	B	1,80	G	H
	55	B	1,80	G	L
	62	B	0,90	P	-
	63	B	1,50	G	-
	66	B	2,50	P	HP



H100

Receptacle 100 mil

Materials and Plating

Receptacle Nickel silver, gold plated

Accessories

Insertion tool, variable	FEWZ-100EV
Insertion tool, fix	FEWZ-100EO
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	

