

Long Travel Probe 75 mil

F793

Centers (mm/mil)	1,90 / 75
Current	4,0 A
Temperature	-20°C...+80°C
R typically	20 mOhm

Spring Force (cN ±20%)

Preload	Nominal Force
20	120
70	250 HP

Travel (mm)

Nominal	Maximum
8,0	10,0
Pointing Accuracy	±0,1 mm

Materials and Plating

Plunger	see Tip Style
Barrel	Nickel silver, gold plated
Spring	Music wire, gold plated
Receptacle	Nickel silver, Gold plated

Accessories

Insertion tool receptacle	FEWZ-075EV
Insertion tool receptacle	FEWZ-075E0
Insertion tool probe	FDWZ-075
Plug lock	H075VS

Drill Size [mm]

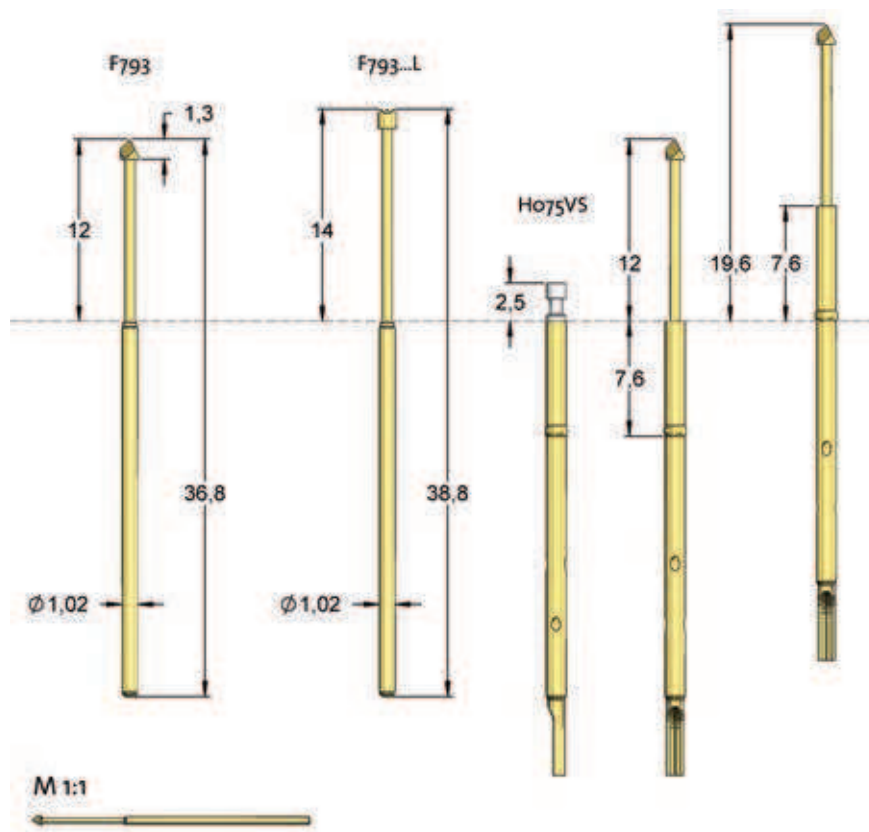
Press ring as stop	1,29 - 1,30
Press ring inserted	1,36 - 1,40

Projection Height

(F793) H075.../10.0	12,0 - 22,0
(F793) H075.../7.6	12,0 - 19,6
(F793) H075.../2.0	12,0 - 14,0
(F793) H075WW10/2.0S1	15,2 - 17,2
(F793) H075WW10/2.0S2	20,0 - 22,0
(F793...L) H075.../10.0	14,0 - 24,0
(F793...L) H075.../7.6	14,0 - 21,6
(F793...L) H075.../2.0	14,0 - 16,0
(F793...L) H075WW10/2.0S1	17,2 - 19,2
(F793...L) H075WW10/2.0S2	22,0 - 24,0

Type	Tip-Ø	Spring Force
F 793 33 S 064 L 120 L		
Tip Style	Material	Finish
Material:	B = BeCu, S = Steel	
Tip-Ø:	064 = 0,64 mm (e.g.)	
Finish:	G = Gold, L = Longtime Gold plated, P = Functional coating	
Special Version:	L = Long Version, HP = Progressive Series	
Receptacle:	Order Code according drawing	

ORDER EXAMPLE



The F793 is the long travel version of the F075 and F703. These probes can be combined well in dual stage fixtures. Further receptacles see „Receptacles H075“.

Tip Style	Number	Material	Plating	Ø in mm	Version
	06	B	G	1,20	-
	06	B	G	1,20	L
	12	B	G	1,20	-
	12	B	G	1,20	L
	14	B	G	1,20	-
	14	B	G	1,20	L
	15	B	G	1,20	L
	15	B	G	1,20	-
	18	B	G	0,64	-
	21	B	G	0,64	-
	30	S	L	0,64	-
	33	S	L	0,64	-
	33	S	P	0,64	HP
	33	S	L	0,64	L
	38	S	L	0,64	-



Receptacles for 75 mil centers

H075

For probes F075, F793 and F703 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-703E0**. The tools for fix projection heights are **FEWZ-075Exx**. For variable projection heights the tool **FEWZ-075EV** is appropriate.

Plug locks **H075VS** 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 (**H075WL11/7.6**) enables wireless contacting of conductor paths. Additionally a receptacle with preassembled wire AWG26 is available as H075LI/7.6.

H075WW10/2.0S2

H075WW10/2.0S1

H075WW10/2.0

H075CR/2.0

H075LA/2.0

H075CR/7.6

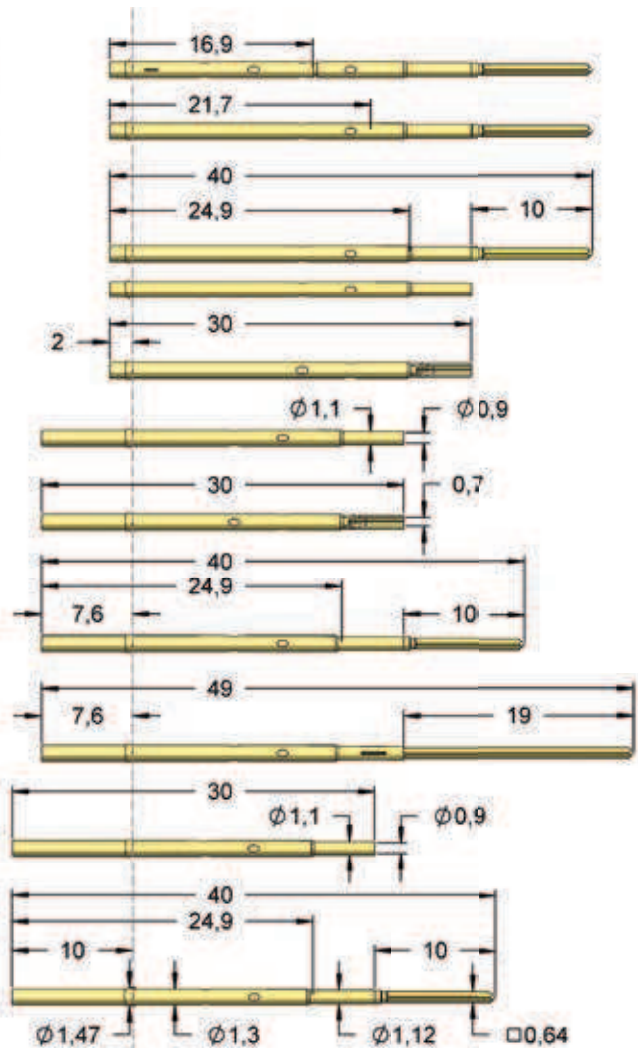
H075LA/7.6

H075WW10/7.6

H075WW19/7.6

H075CR/10.0

H075WW10/10.0



Material and Plating

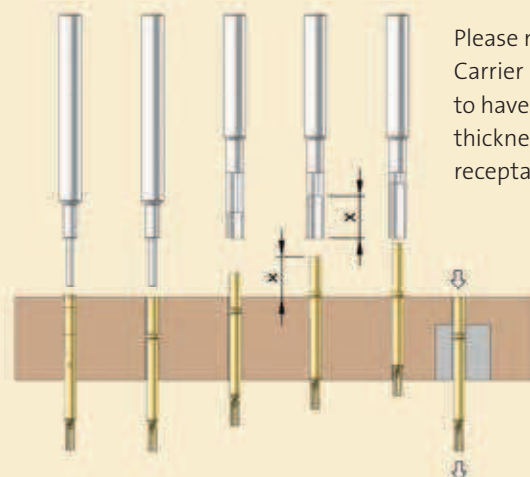
Nickel silver, gold plated

Drill Size [mm]

Press ring as stop	1,29 - 1,30
Press ring inserted	1,36 - 1,40

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
H075	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 = 10,0mm
Press Ring Position:	e.g. 7.6 = 7,6mm
ORDER EXAMPLE	

Projection Height

	H075.../10.0	H075.../7.6	H075.../2.0	H075WW10/2.0S1	H075WW10/2.0S2
F075 / F703	8,4 - 18,4	8,4 - 16,0	8,4 - 10,4	11,6 - 13,6	16,4 - 18,4
F075...L / F703...L	10,4 - 20,4	10,4 - 18,0	10,4 - 12,4	13,6 - 15,6	18,4 - 20,4
F793	12,0 - 22,0	12,0 - 19,6	12,0 - 14,0	15,2 - 17,2	20,0 - 22,0
F793...L	14,0 - 24,0	14,0 - 21,6	14,0 - 16,0	17,2 - 19,2	22,0 - 24,0