Standard Probe 75 mil

F075

Centers (mm/mil)	1,90 / 75
Current	4,0 A
Temperature	-20°C...+80°C
R typically	50 mOhm

Spring Force (cN ±20%)

Preload	Nominal Force
50	100
70	150
80	200
120	200 HP
130	250 HP
100	280

Travel (mm)

Nominal	Maximum
4,3	6,4
Pointing Accuracy	±0,08 mm

Materials and Plating

Plunger	see Tip Style
Barrel	Bronze, gold plated
Spring	Music wire, gold plated HP
Receptable	Nickel silver, Gold plated

Accessories

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

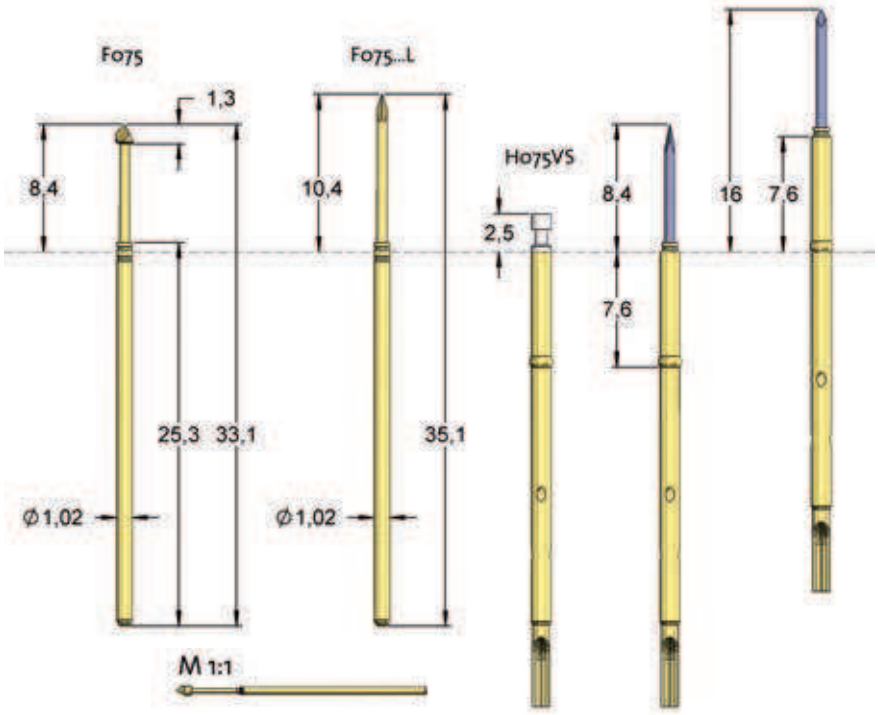
Projection Height

(F075) H075.../10.0	8,4 - 18,4
(F075) H075.../7.6	8,4 - 16,0
(F075) H075.../2.0	8,4 - 10,4
(F075) H075WW10/2.0S1	11,6 - 13,6
(F075) H075WW10/2.0S2	16,4 - 18,4
(F075...L) H075.../10.0	10,4 - 20,4
(F075...L) H075.../7.6	10,4 - 18,0
(F075...L) H075.../2.0	10,4 - 12,4
(F075...L) H075WW10/2.0S1	13,6 - 15,6
(F075...L) H075WW10/2.0S2	18,4 - 20,4

Type			Tip-Ø		Spring Force	
F075	33	S	064	P	250	HP
	Tip Style	Material		Finish	Special Version	

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, H = High Temperatur, HP = Progressive Series, IK = Insulating cap, RP = „Wobbling Plunger“
Receptacle:	Order Code according drawing

ORDER EXAMPLE



Drill Size [mm]

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

The F075 is the most common probe for 75 mil applications. Further receptacles see „Receptacles H075“.

Tip Style	Number	Material	Plating	Ø in mm	Version
	05	B	G	1,2	-
	06	B	G	1,2	-
	10	S	L	0,64	-
	11	B	G	0,64	-
	14	S	L	0,78	-
	15	B	G	1,2	-
	17	B	G	1,2	-
	18	B	G	0,78	-
	21	S	L	0,64	L
	21	S	P	0,64	HP
	21	S	L	0,64	-
	30	S	L	0,64	-
	32	S	P	0,64	HP
	32	S	P	0,64	HPL
	33	S	L	0,64	L
	33	S	L	0,64	-
	33	S	L	0,78	-
	36	B	G	1,2	-
	37	B	G	0,5	L
	37	B	G	0,5	-
	38	S	L	0,64	L
	38	S	L	0,64	-
	43	S	L	0,64	-
	63	S	L	1,2	-

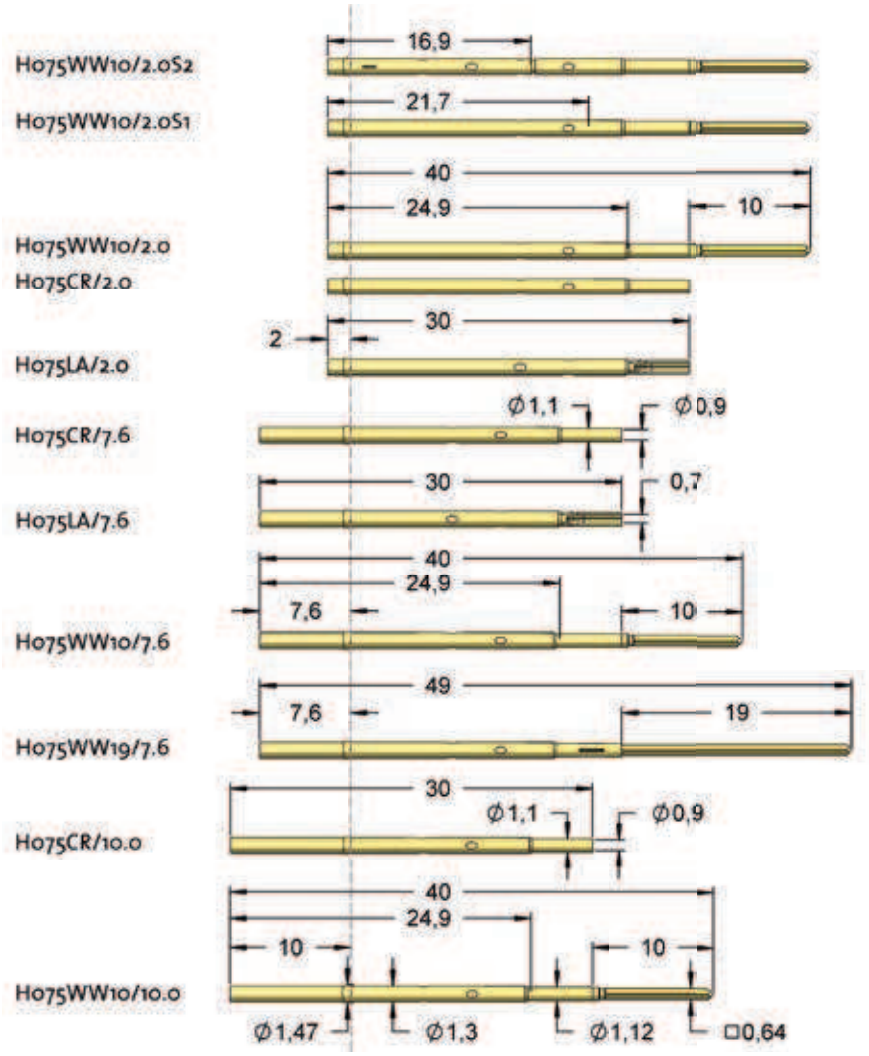
Receptacles for 75 mil centers

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.



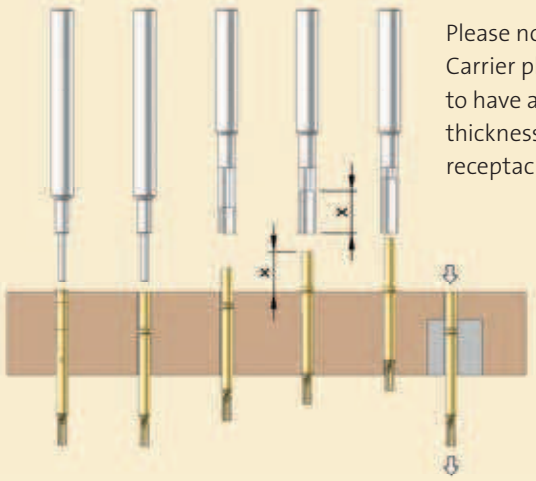
Material and Plating

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