Contact Probe Product Lineup

Seiken Co., Ltd.

ものづくりの、明日を支える。
MiSUMi-VONA
生産材コマース

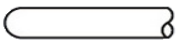
http://www.seiken.co.jp/
Total Test Solution
Testing Support and High-Fine Pitch Test Technology

INDEX

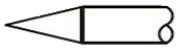
Pitch	Length	Series	Page
P=4.75mm	55mm	SW	3
P=2.54	55mm	SG	4
P=2.54	24.5mm	SE	5
P=2.54	32.6mm	SV	6
P=2.0	32.6mm	SL	7
P=1.905	16.56mm	SA	8,9
P=1.27	15.9mm	SH	10,11

Pitch	Length	Series	Page
P=1.27	14mm	SO	12
P=0.9	15mm	SN	13
P=0.8	15mm	SF	14
P=0.75	19mm	SD	15
P=0.65	15mm	SJ	16
P=0.5	11mm	SB	17
P=0.45	10.45mm	SQ	18

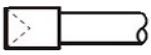
Tip selection



Round tip. Model number : SO-1 series.
Suitable for Flexible PCB, less damage for electrical pads.



Needle tip. Model number : SO-2 series.
Suitable for PCB pad.



Flat and Inverse Cone tip. Model number : SO-3 series.
Flat is suitable for preventing damage for electrical pad or suitable for surface contact. Inverse cone is suitable for receiving contact tip.

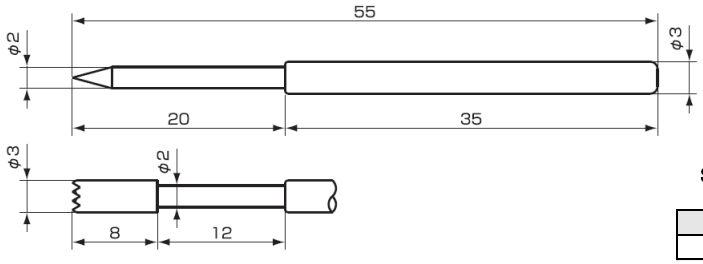
3 edge chisel tips. Model number : SO-4 series.
Suitable for through hole PCB.

Crown tip. Model number : SO-5 series.
Suitable for multi points contact also suitable for contact mounted part lead.

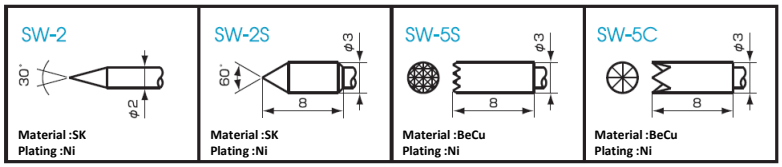
SW SERIES

		Material and Plating		
Suitable pitch	4.75mm	Barrel	BS	/ Ni
Current Rating	5A	Spring	SWP	/ Ni + Au
		Receptacle	BS	/ Ni

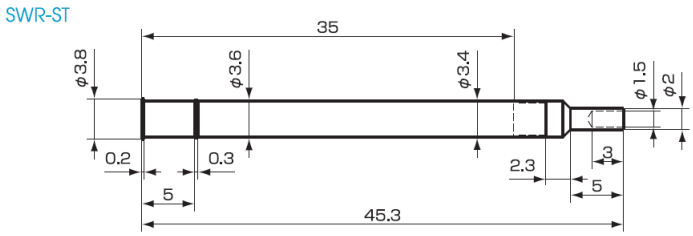
プローブラインナップ

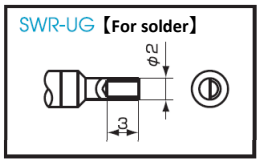


Spring force	Stroke used	Full St
Initial	7.7mm	12mm
60g	280g	405g



ソケットラインナップ



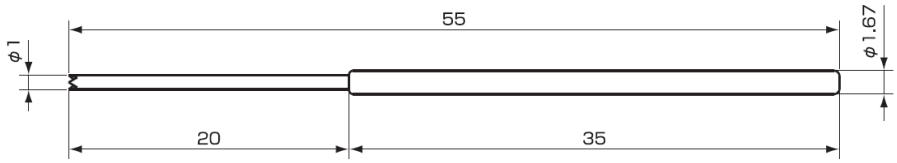


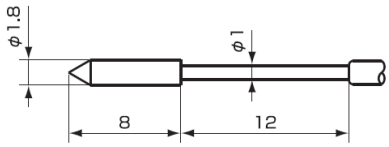
Reference hole diameter : φ3.55

SG SERIES

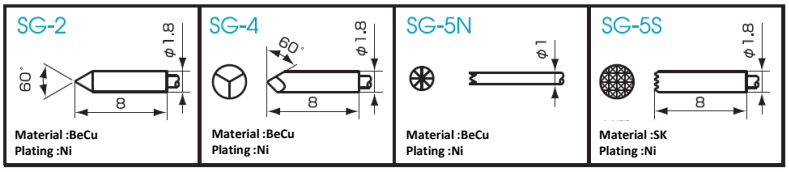
		Material and Plating		
Suitable pitch	2.54mm	Barrel	BS	/ Ni
Current Rating	4A	Spring	SWP	/ Ni + Au
		Receptacle	BS	/ Ni

プローブラインナップ

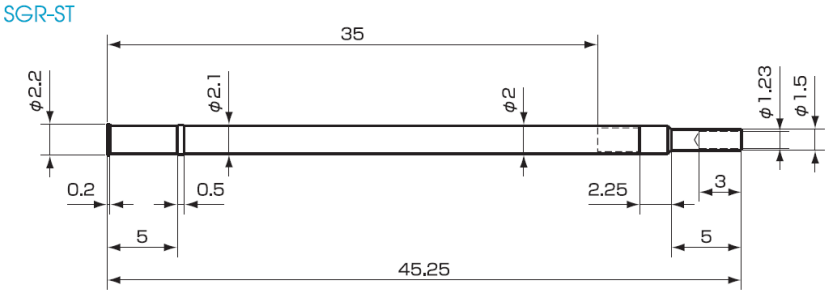


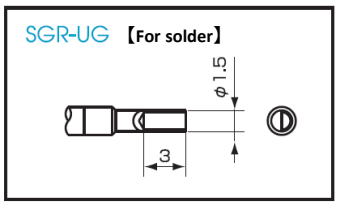


Spring force	Stroke used	Full St
Initial	8mm	12mm
40g	240g	330g



ソケットラインナップ



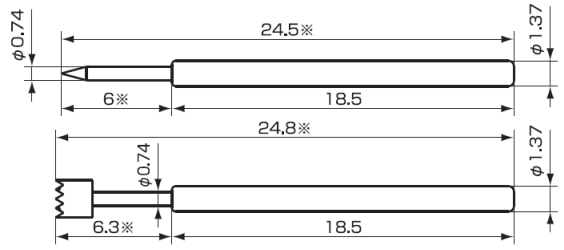


Reference hole diameter : ϕ2.05

SE SERIES

		Material and Plating		
Suitable pitch	2.54mm	Barrel	BS	/ Ni + Au
Current Rating	4A	Spring	SWP	/ Ni + Au
		Receptacle	BS	/ Ni + Au

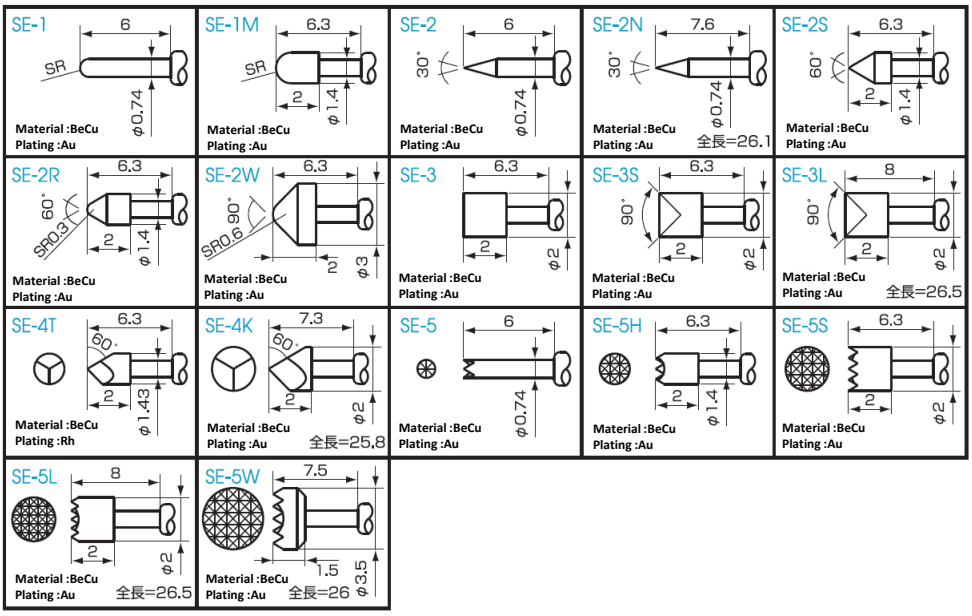
プローブラインナップ



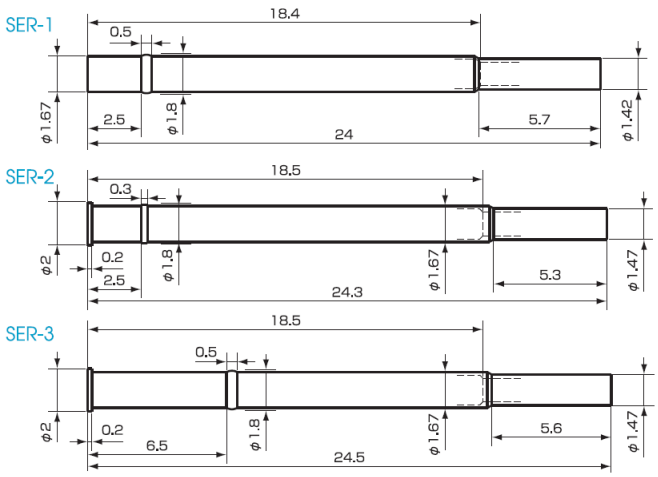
※:一部先端形状では異なります(下記参照)。

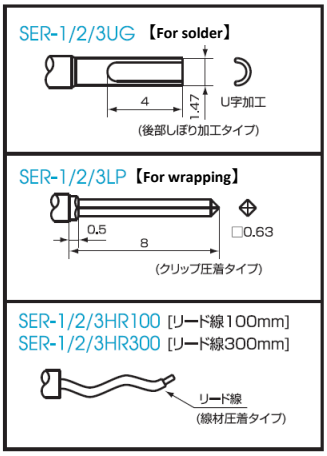
Spring force		Stroke used	Full St
	Initial	2.9mm	4.3mm
EA	20g	75g	100g
EB	25g	100g	130g
EC(standard)	20g	130g	180g
ED	40g	210g	290g

SE-2N only		Stroke used	Full St
	Initial	5.1mm	7.6mm
EE	30g	110g	150g



ソケットラインナップ

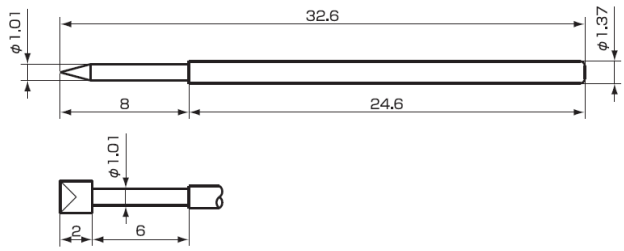




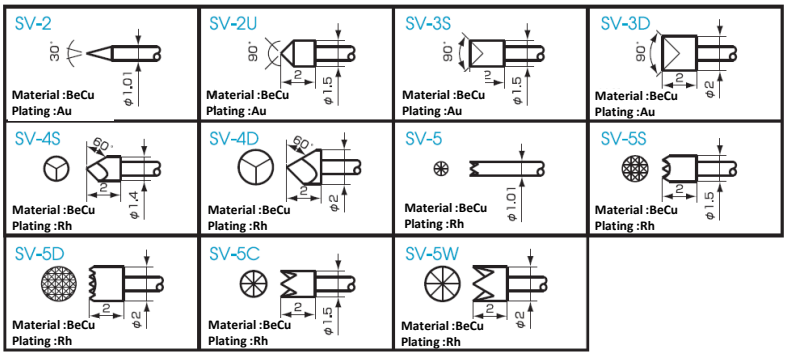
SV SERIES

		Material and Plating		
Suitable pitch	2.54mm	Barrel	BS	/ Ni + Au
Current Rating	4A	Spring	SWP	/ Ni + Au
		Receptacle	BS	/ Ni + Au

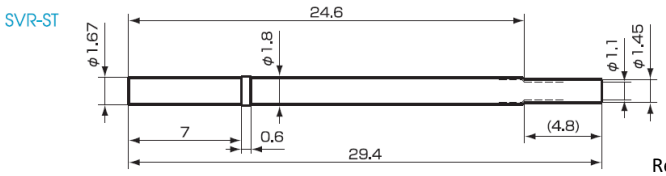
プローブラインナップ



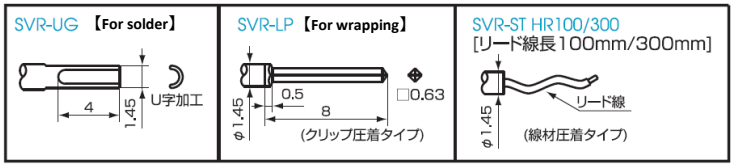
Spring force		Stroke used	Full St
	Initial	4mm	6mm
VA	20g	120g	180g
VB(standard)	25g	150g	200g
VC	45g	200g	280g
VD	30g	110g	150g



ソケットラインナップ



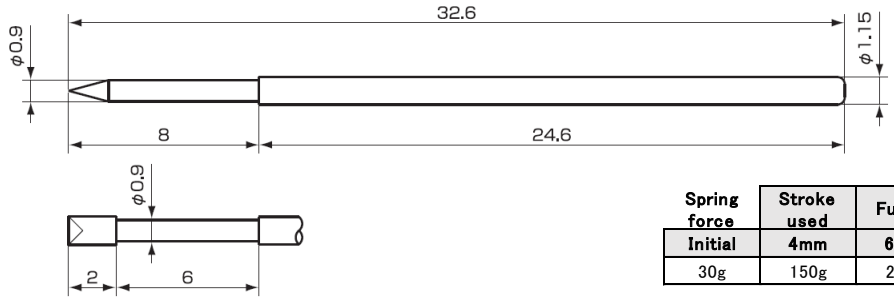
Reference hole diameter : φ1.75



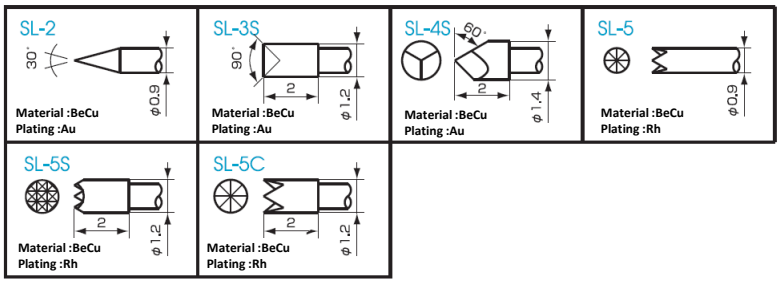
SL SERIES

		Material and Plating		
Suitable pitch	2.0mm	Barrel	BS	/ Ni + Au
Current Rating	3A	Spring	SWP	/ Ni + Au
		Receptacle	BS	/ Ni + Au

プローブラインナップ

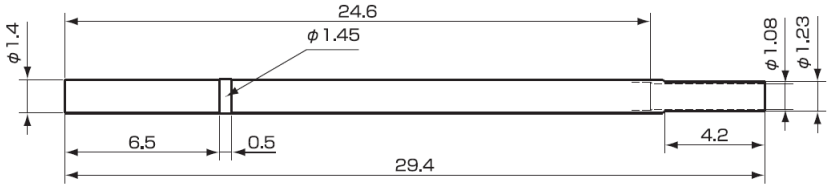


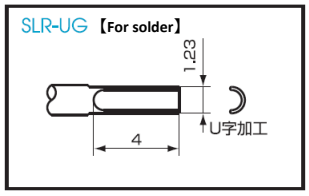
Spring force	Stroke used	Full St
Initial	4mm	6mm
30g	150g	220g

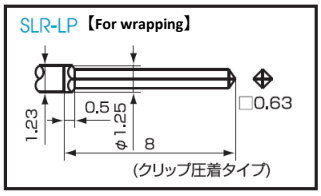


ソケットラインナップ

SLR-ST





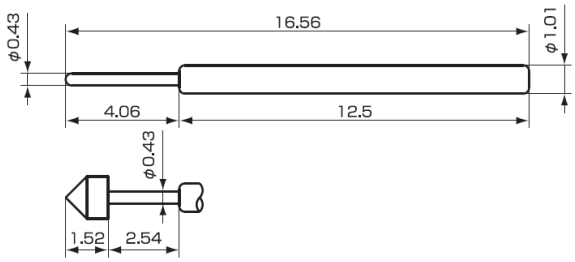


Reference hole diameter
φ1.43

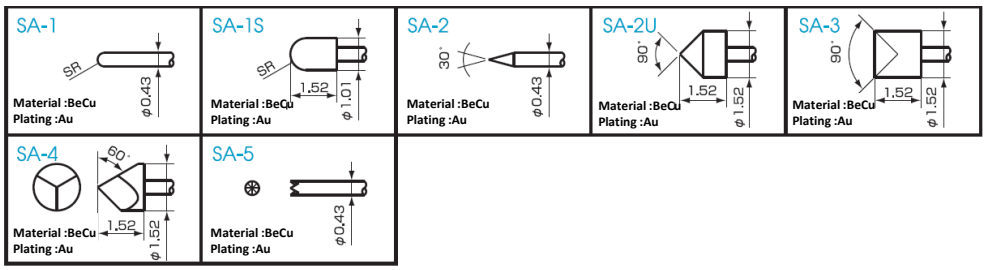
SA SERIES

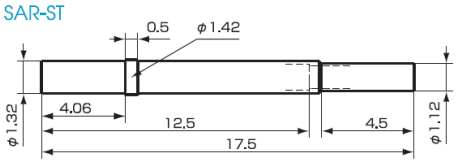
		Material and Plating		
Suitable pitch	1.905mm	Barrel	BS	/ Ni + Au
Current Rating	3A	Spring	SWP	/ Ni + Au
		Receptacle	BS	/ Ni + Au

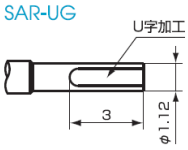
プローブ & ソケットラインナップ (1/2)



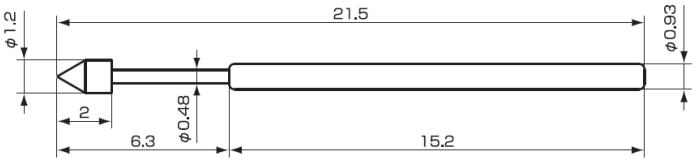
Spring force	Initial	Stroke used 1.7mm	Full St 2.54mm
AA(standard)	30g	75g	105g
AB	50g	130g	170g



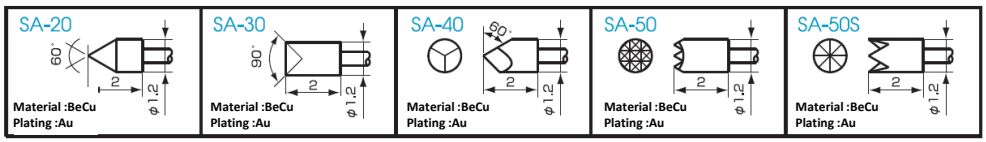


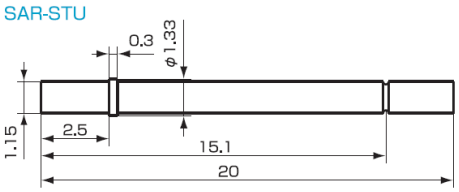


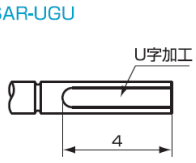
Reference hole diameter : φ1.37
Wire crimping type
SAR-(ex.ST) HR 100mm/300mm
(Lead wire length 100mm/300mm)



Spring force	Stroke used	Full St
Initial	2.9mm	4.3mm
20g	71g	98g





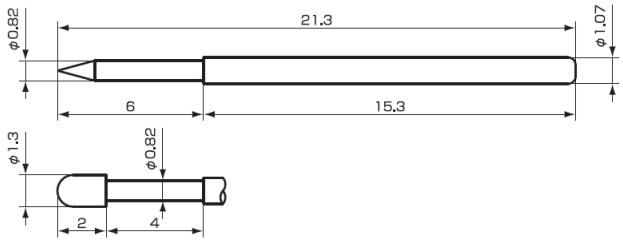


Reference hole diameter : φ1.28
Wire crimping type
SAR-(ex.STU) HR 100mm/300mm
(Lead wire length 100mm/300mm)

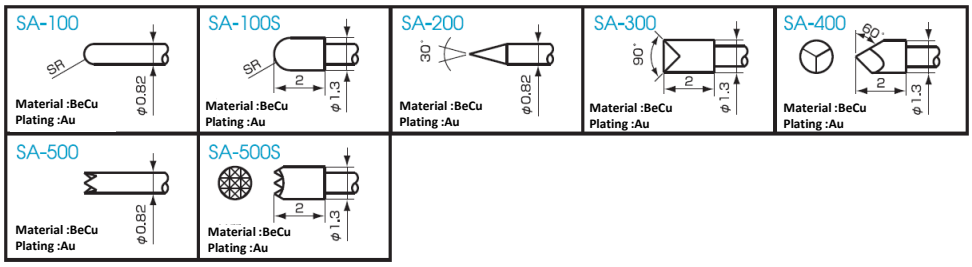
SA SERIES

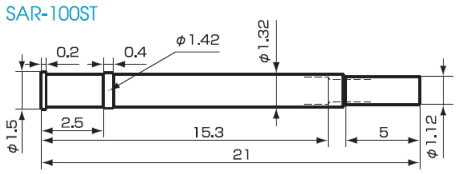
		Material and Plating		
Suitable pitch	1.905mm	Barrel	BS	/ Ni + Au
Current Rating	3A	Spring	SWP	/ Ni + Au
		Receptacle	BS	/ Ni + Au

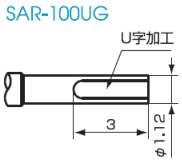
プローブ & ソケットラインナップ (2/2)



Spring force		Stroke used	Full St
	Initial	1.7mm	2.5mm
AC	20g	85g	120g
AD(standard)	40g	110g	145g





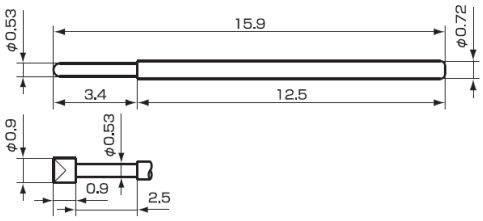


Reference hole diameter : ϕ1.37
Wire crimping type
SAR-(ex.100ST) HR 100mm/300mm
(Lead wire length 100mm/300mm)

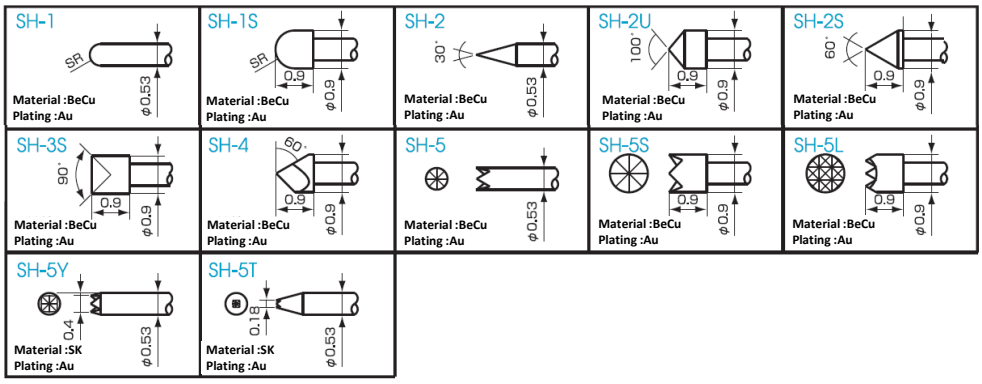
SH SERIES

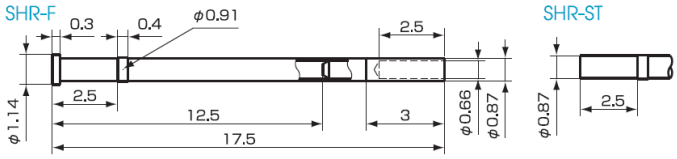
		Material and Plating		
Suitable pitch	1.27mm	Barrel	BS	/ Ni + Au
Current Rating	3A	Spring	SWP	/ Ni + Au
		Receptacle	BS	/ Ni + Au

プローブ & ソケットラインナップ (1/2)



Spring force	Stroke used	Full St
Initial	1.7mm	2.5mm
15g	85g	120g



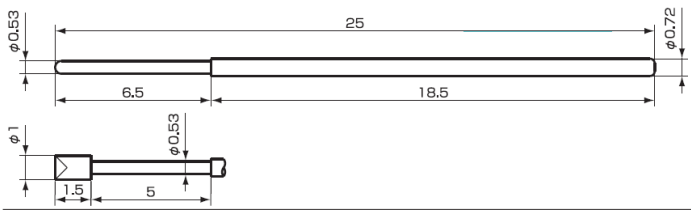


Reference hole diameter : ϕ0.89

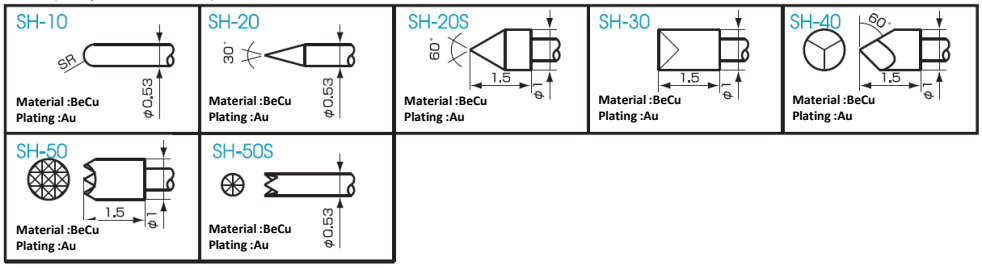
Wire soldering type

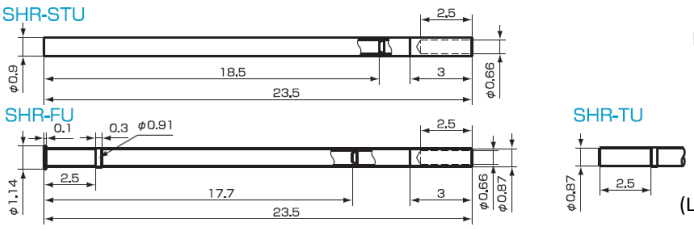
SHR-(ex.F) HR 100mm/300mm

(Lead wire length 100mm/300mm)



Spring force	Stroke used	Full St
Initial	3.3mm	5mm
10g	60g	85g





Reference hole diameter

STU : ϕ0.92

FU / TU : ϕ0.89

Wire soldering type

SHR-(ex.STU) HR 100mm/300mm

(Lead wire length 100mm/300mm)

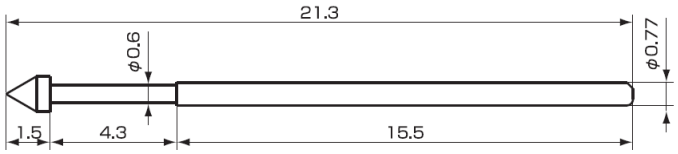
SH SERIES

Suitable pitch 1.27mm
Current Rating 3A

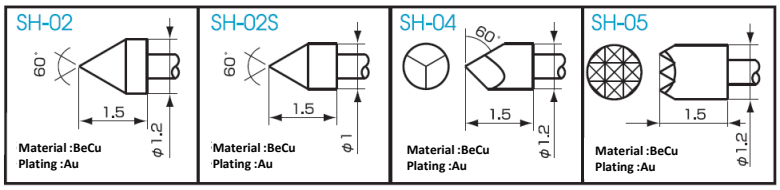
Material and Plating

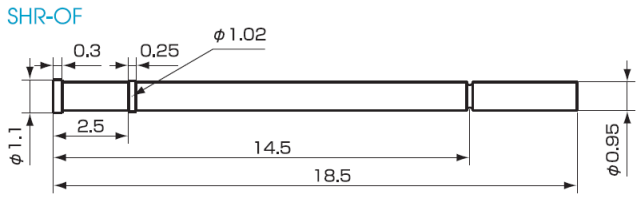
Barrel	BS	/	Ni + Au
Spring	SWP	/	Ni + Au
Receptacle	BS	/	Ni + Au

プローブ & ソケットラインナップ (2/2)



Spring force	Stroke used	Full St
Initial	2.9mm	4.3mm
20g	55g	75g





Reference hole diameter : φ0.97
Wire crimping type
SHR-(ex.OF) HR 100mm/300mm
(Lead wire length 100mm/300mm)

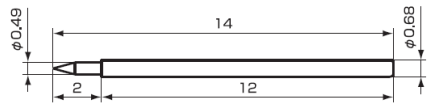
SO SERIES

Suitable pitch	1.27mm
Current Rating	3A

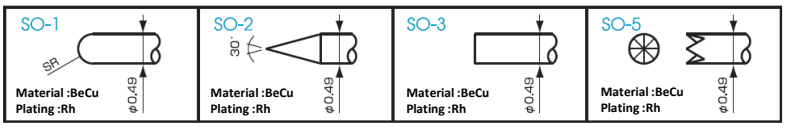
Material and Plating

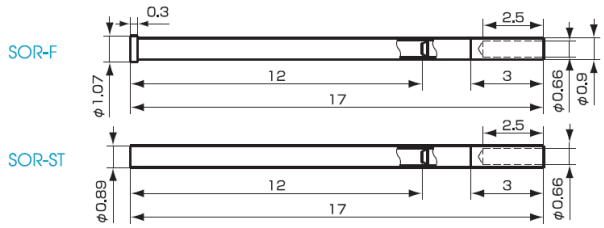
Barrel	PB	/ Ni + Au
Spring	SWP	/ Ni + Au
Receptacle	BS	/ Ni + Au

プローブ & ソケットラインナップ

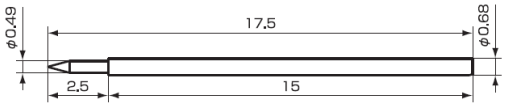


Spring force	Stroke used	Full St
Initial	1.3mm	2mm
30g	70g	90g

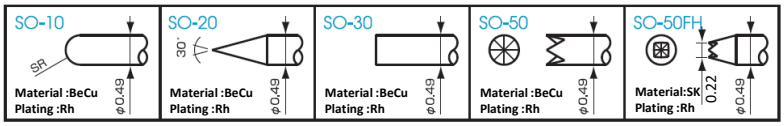


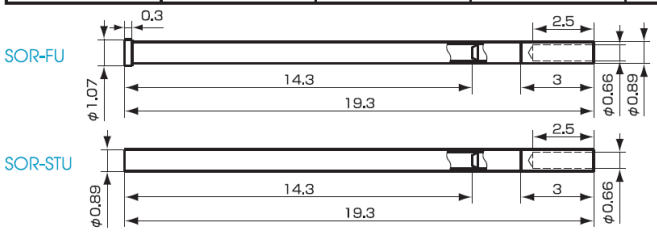


Reference hole diameter : φ0.92
Wire soldering type
SOR-(ex.F) HR 100mm/300mm
(Lead wire length 100mm/300mm)

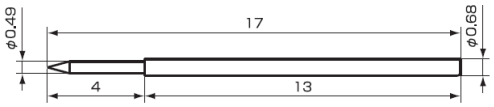


Spring force	Stroke used	Full St
Initial	1.7mm	2.5mm
30g	70g	90g

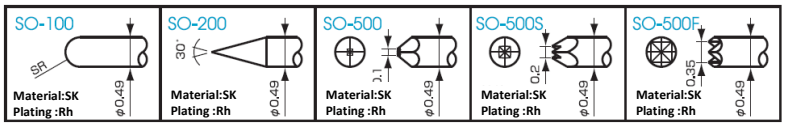


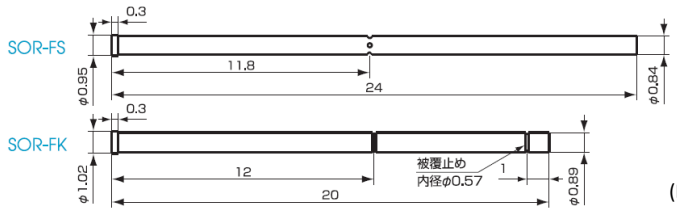


Reference hole diameter : φ0.92
Wire soldering type
SOR-(ex.FU) HR 100mm/300mm
(Lead wire length 100mm/300mm)



Spring force	Stroke used	Full St
Initial	1.4mm	2mm
50g	90g	105g





Reference hole diameter
φ0.86(FS)
φ0.92(FK)

Wire crimping type
SOR-(ex.FS) HR 100mm/300mm
(Lead wire length 100mm/300mm)

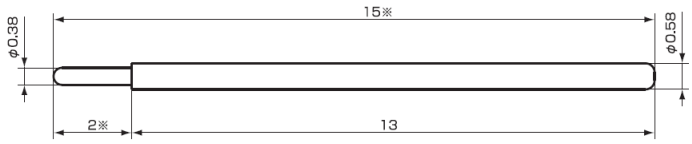
SN SERIES

Suitable pitch	1.0～0.9mm
Current Rating	2.5A

Material and Plating

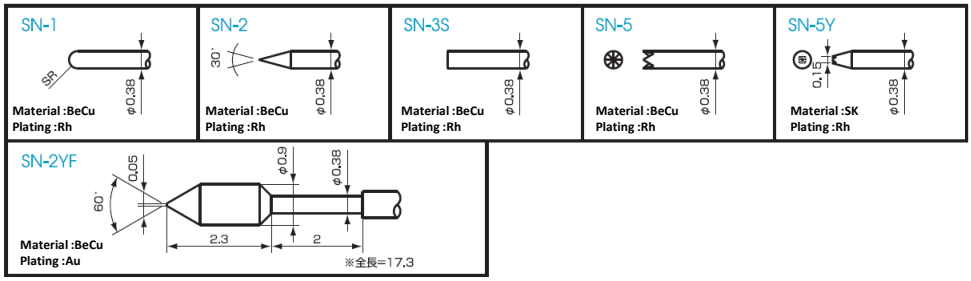
Barrel	BS	/	Ni + Au
Spring	SWP	/	Ni + Au
Receptacle	BS	/	Ni + Au

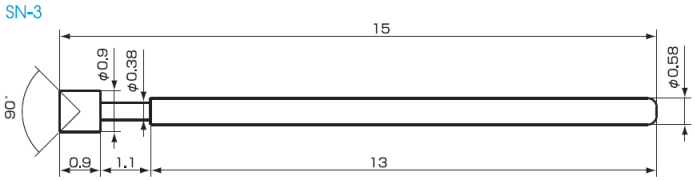
プローブラインナップ



Spring force	Stroke used	Full St
Initial	1.3mm	2mm
20g	45g	60g

※SN-2YF選択時は異なります(下記参照)。





Spring force	Stroke used	Full St
Initial	0.7mm	1.1mm
20g	33g	40g

Plunger Material :BeCu
Plating :Rh

ソケットラインナップ

Wire soldering type

SNR-(ex.F) HR 100mm/300mm

(Lead wire length 100mm/300mm)

Reference hole diameter : φ0.77

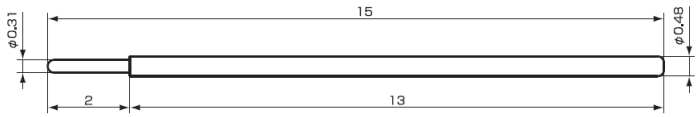
SF SERIES

Suitable pitch 0.8mm
Current Rating 2.5A

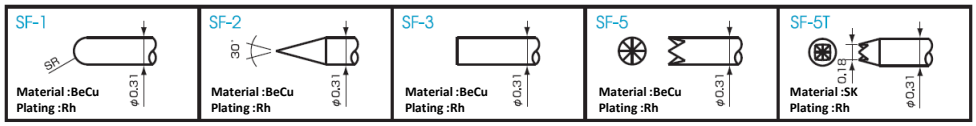
Material and Plating

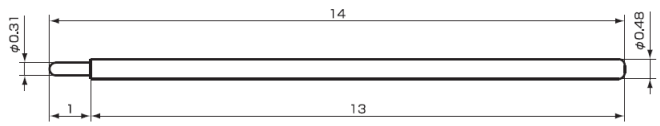
Barrel PB / Ni + Au
Spring SWP / Ni + Au

プローブ & ソケットラインナップ

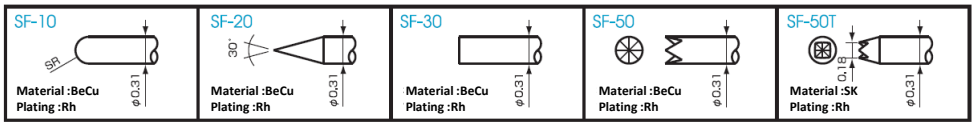


Spring force	Stroke used	Full St
Initial	1.3mm	2mm
15g	45g	60g

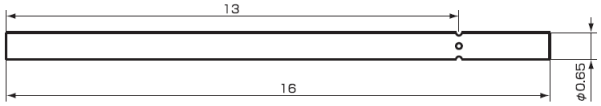




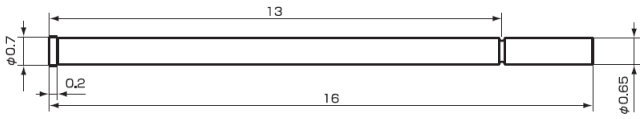
Spring force	Stroke used	Full St
Initial	0.7mm	1mm
30g	50g	60g



SFR-ST



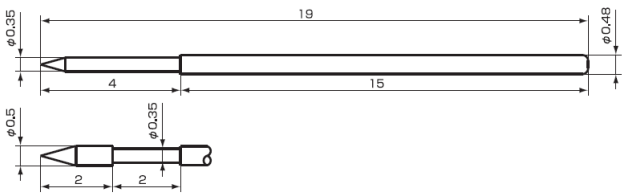
SFR-F



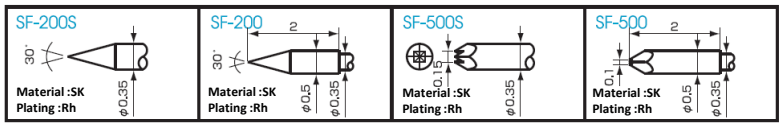
Socket
BS / Ni + Au

Reference hole diameter
ϕ0.67

Wire crimping type
SFR-(ex.ST) HR 100mm/300mm
(Lead wire length 100mm/300mm)

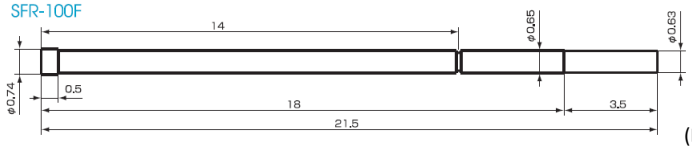


Spring force		Stroke used	Full St
	Initial	1.3mm	2mm
SF-200S SF-500S	20g	40g	50g
SF-200 SF-500	10g	40g	56g



Socket
PB / Ni + Au

SFR-100F



Reference hole diameter
ϕ0.67

Wire crimping type
SFR-(ex.100F) HR 100mm/300mm
(Lead wire length 100mm/300mm)

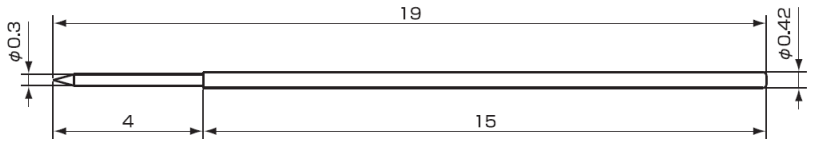
SD SERIES

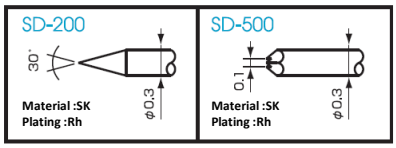
Suitable pitch	0.75mm
Current Rating	2A

Material and Plating

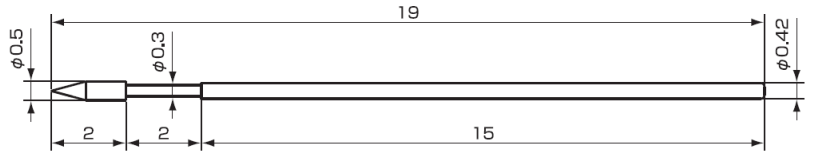
Barrel	PB	/	Ni + Au
Spring	SWP	/	Ni + Au
Receptacle	BS	/	Ni + Au

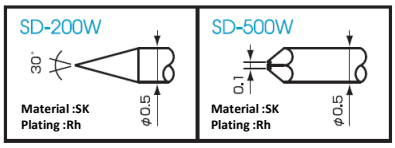
プローブラインナップ





Spring force		Stroke used	Full St
	Initial	1.3mm	2mm
SD-200 SD-500	25g	50g	65g

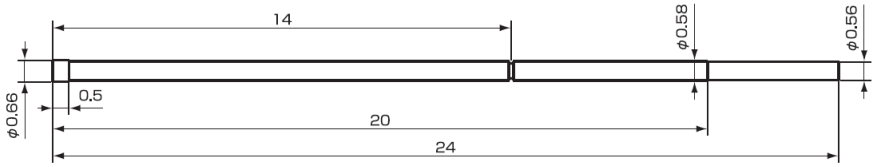




Spring force		Stroke used	Full St
	Initial	1.3mm	2mm
SD-200W SD-500W	18g	40g	52g

ソケットラインナップ

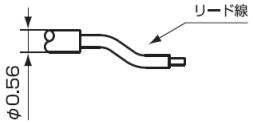
SDR-F



Wire crimping type

SDR-(ex.F) HR 100mm/300mm

(Lead wire length 100mm/300mm)



Reference hole diameter : φ0.6

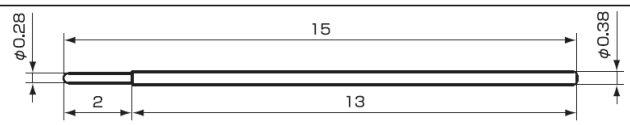
SJ SERIES

Suitable pitch	0.65mm
Current Rating	1.5A

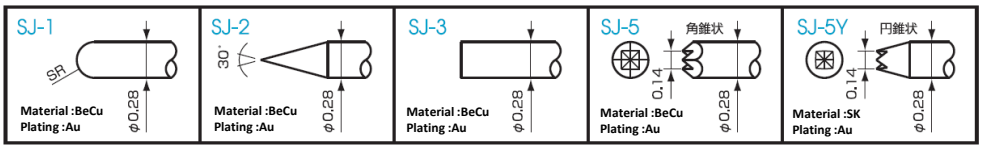
Material and Plating

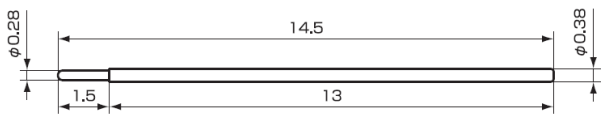
Barrel	PB	/ Ni + Au
Spring	SWP	/ Ni + Au
Receptacle	PB	/ Ni + Au

プローブラインナップ

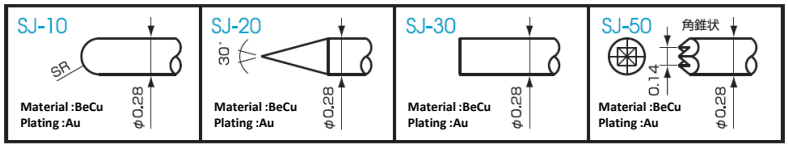


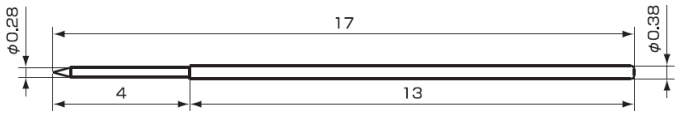
Spring force	Stroke used	Full St
Initial	1.3mm	2mm
20g	45g	60g



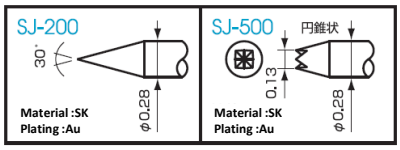


Spring force	Stroke used	Full St
Initial	1mm	1.5mm
30g	50g	60g

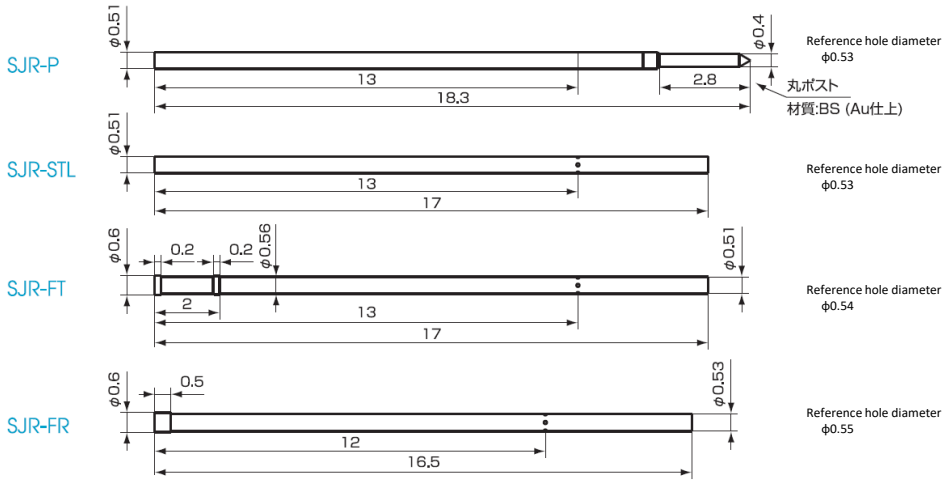




Spring force	Stroke used	Full St
Initial	1.3mm	2mm
20g	45g	60g



ソケットラインナップ



SJR-STL/FT/FR Wire crimping type SJR-(ex.STL) HR 100mm/300mm (Lead wire length 100mm/300mm)

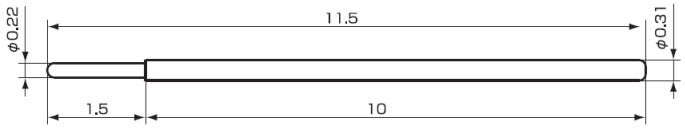
SB SERIES

Suitable pitch	0.5mm
Current Rating	1A

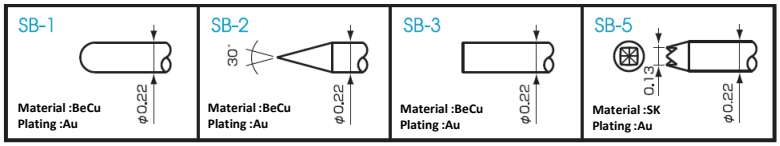
Material and Plating

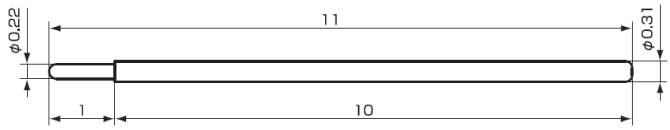
Barrel	PB	/	Ni + Au
Spring	SWP	/	Ni + Au
Receptacle	PB	/	Ni + Au

プローブラインナップ

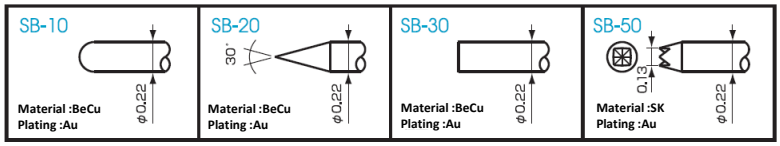


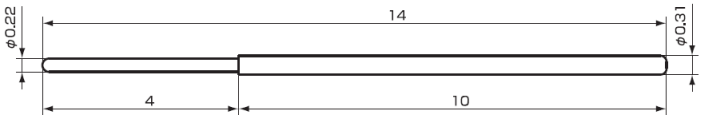
Spring force	Stroke used	Full St
Initial	1mm	1.5mm
13g	31g	40g



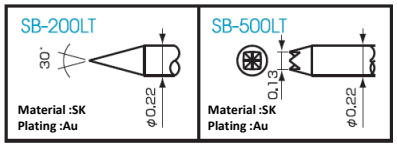


Spring force	Stroke used	Full St
Initial	0.7mm	1mm
22g	34g	40g

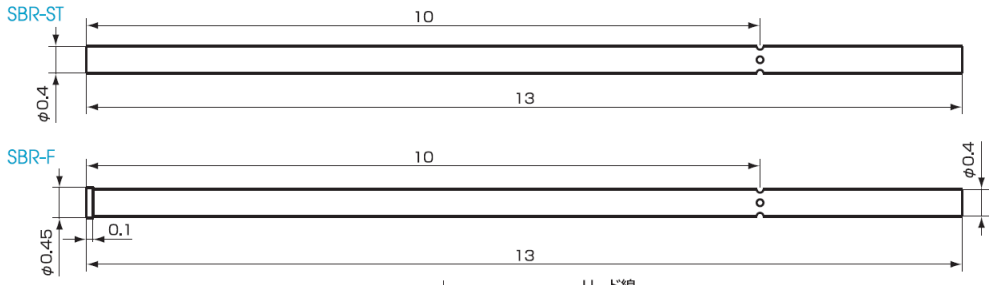




Spring force	Stroke used	Full St
Initial	1.3mm	2mm
11g	25g	32g



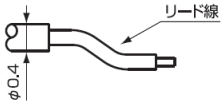
ソケットラインナップ



Wire crimping type

SBR-(ex.ST) HR 100mm/300mm

(Lead wire length 100mm/300mm)



Reference hole diameter : φ0.42

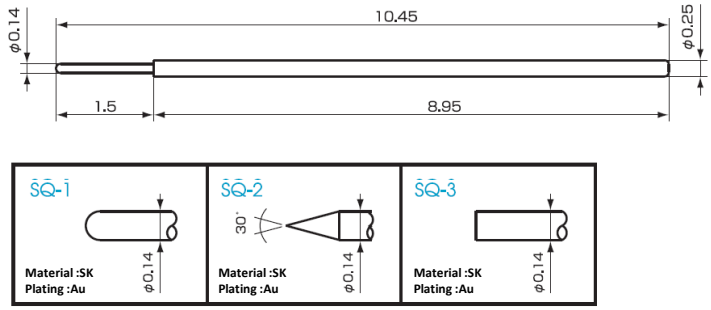
SQ SERIES

Suitable pitch	0.45mm
Current Rating	0.5A

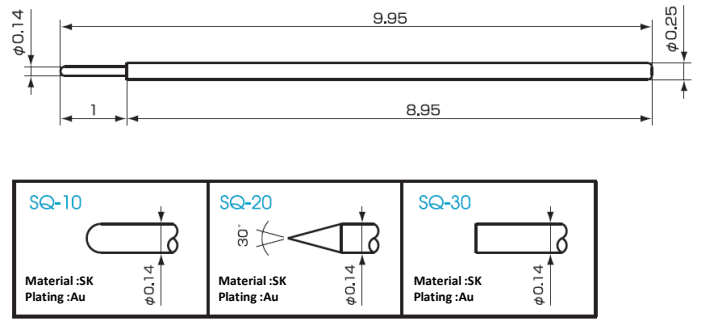
Material and Plating

Barrel	NS
Spring	SWP / Ni + Au
Receptacle	PB / Ni + Au

プローブラインナップ

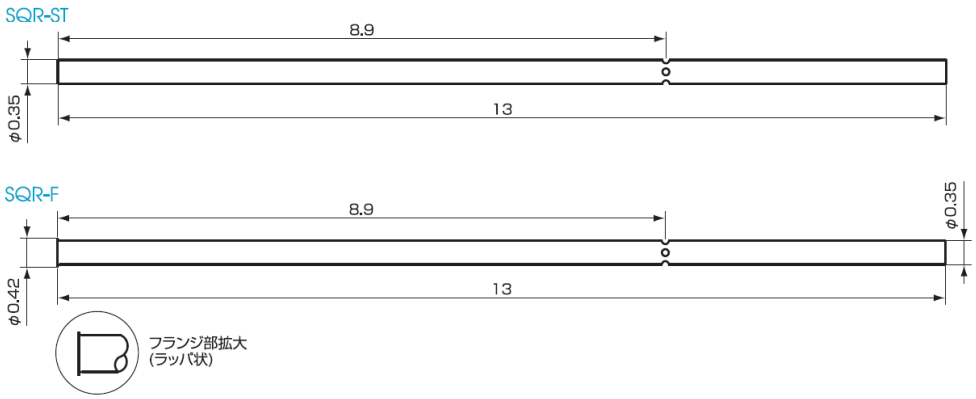


Spring force	Stroke used	Full St
Initial	0.75mm	1.5mm
5g	18g	30g



Spring force	Stroke used	Full St
Initial	0.5mm	1mm
15g	25g	35g

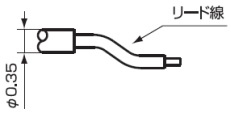
ソケットラインナップ



Wire crimping type

SQR-(ex.ST) HR 100mm/300mm

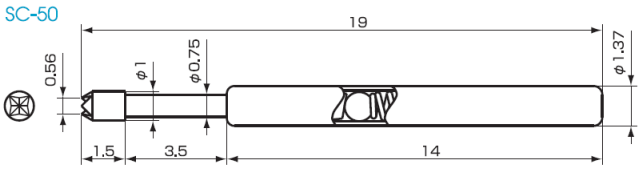
(Lead wire length 100mm/300mm)



Reference hole diameter : φ0.39

バイアスプローブ & ソケットラインナップ

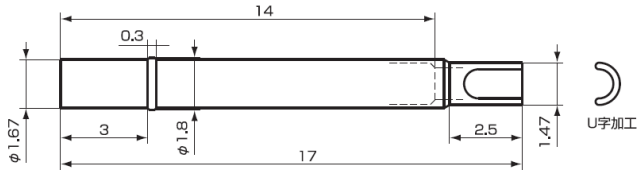
SC-50



Suitable pitch 2.54mm

Spring force	Stroke used	Full St
Initial	2.3mm	3.5mm
40g	100g	130g

SCR-1UG



Material and Plating

SC-50

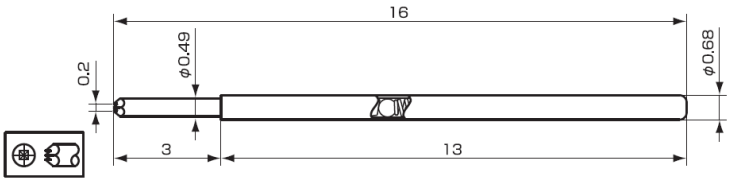
Plunger	BeCu /	Ni + Au
Barrel	BS /	Ni + Au
Spring	SWP /	Ni + Au
Steel Ball	SK /	Ni + Au

SCR-1UG

Receptacle	BS /	Ni + Au

SC-05

Suitable pitch 1.27mm



Material and Plating

Plunger	SK /	Ni + Au
Barrel	PB /	Ni + Au
Spring	SWP /	Ni + Au
Steel Ball	SK /	Ni + Au

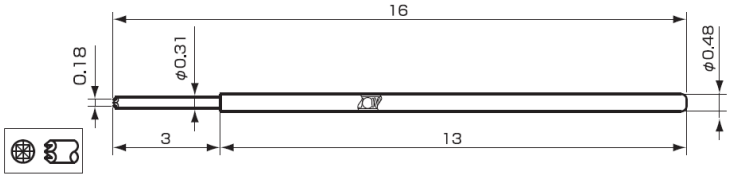
Receptacle

SOR-F (SO series)
SOR-ST (SO series)
SOR-FS (SO series)
SOR-FK (SO series)

Spring force	Stroke used	Full St
Initial	2mm	3mm
25g	70g	100g

SC-050

Suitable pitch 0.8mm



Material and Plating

Plunger	SK /	Ni + Au
Barrel	PB /	Ni + Au
Spring	SWP /	Ni + Au
Steel Ball	SK /	Ni + Au

Receptacle

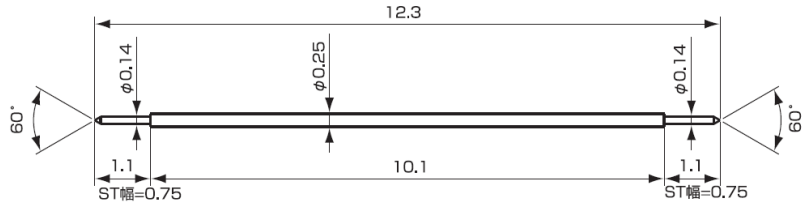
SFR-F (S series)
SFR-ST (SO series)

Spring force	Stroke used	Full St
Initial	0.9mm	1.4mm
10g	30g	40g

両端プローブ&中継ピンラインナップ

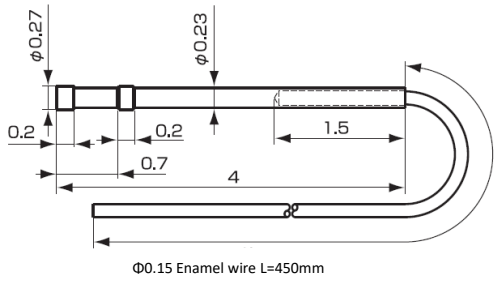
SQ-22RT

Suitable pitch 0.35mm



Spring force	Stroke used	Full St
Initial	1.4mm	1.5mm
4g	13g	14g

SQ-MCPI



Material and Plating

SQ-22RT

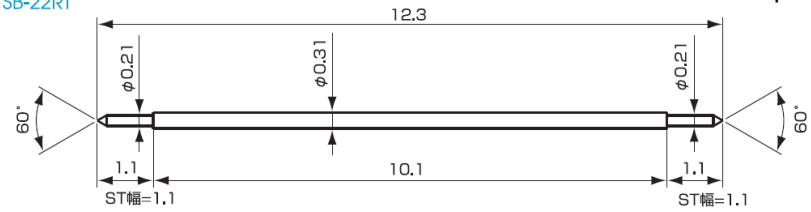
Plunger	SK	/ Ni + Au
Barrel	AuPB	/ Ni + Au
Spring	SWP	/ Ni + Au

SQ-MCPI

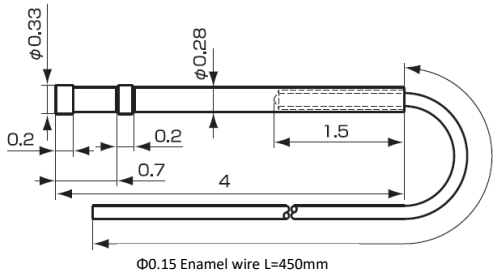
Relay pin	BS	/ Ni + Au

SB-22RT

Suitable pitch 0.4mm



SB-MCP



Spring force	Stroke used	Full St
Initial	1.4mm	2.2mm
4g	13g	18g

Material and Plating

SB-22RT

Plunger	SK	/ Ni + Au
Barrel	AuPB	/ Ni + Au
Spring	SWP	/ Ni + Au

SQ-MCPI

Relay pin	BS	/ Ni + Au