

January 2025



Notice of Catalog Revision

Dear Valued Customers,

We hope this message finds you well. We sincerely appreciate your continued support.

We are pleased to announce that our probes from our catalog, will have some changes, the updated version will be effective from April 1st, 2025. At the same time, the new catalog will be available for download on our website on the same date, April 1st, 2025.

You can find it in our website: <https://www.seiken.co.jp/english/>

Below are the main changes that will appear in the updated version:

- Changes to certain materials and plating.
- Product name changes, according to the material changes.

The main reason for these changes is that the suppliers will stop the supply of certain materials. The materials that will be used, have already been used in some of our existing products, assuring that the performance will not be affected. As a result, we will be able to standardize the materials in our products as well.

Additionally, we have organized our product lineup for easier understanding. For products that are being discontinued, availability will end once our current stock is finished. For stock confirmation or any other concerning regarding replacement products, please do not hesitate to contact us.

We remain committed to providing even better products in the future.

We kindly ask for your understanding and support for these changes.

For inquiries, please contact us via the following link:

<https://www.seiken.co.jp/english/contact/>



Overview of changes in our Catalog

Material and Coating Symbols:

- **PB**: Phosphor Bronze
- **Ni**: Nickel Plating
- **BS**: Brass
- **Au**: Gold Plating

Products that change will have a "V" in the end of their names (e.g., SE-1 → SE-1V).

Product Lineup and Changes:

SW Series: No changes.

SG Series:

- Pipe material changed to PB.
- Socket body changed to PB (other parts remain BS).
- Initial load: 60g.
- SG-4, discontinued.
- "V" added to updated products.

SE Series:

- Pipe material changed to PB.
- EA: Full stroke = 95g.
- EB: Initial load = 40g.
- SE-2W, discontinued.
- SE-4TV plating changed to Au.

SV Series:

- Pipe material changed to PB.
- Plating changed to Au for all.
- "V" added to updated products.

SL Series:

- Pipe material changed to PB.
- Plating changed to Au for all.
- "V" added to updated products.

SA Series (1/2):

- Pipe material changed to PB.
- AA: Initial stroke = 45g; Full stroke = 125g.
- All products except SAR-ST and SAR-UG will have "V" added to their names.
- SAR-ST and SAR-UG: BS/Ni base + Au.
- SAR-STUV, SAR-UGUV: PB/Ni base + Au.

SA Series (2/2):

- Pipe material changed to PB.
- All products except SAR-100ST and SAR-100UG will have "V" added to their names.

SH Series (1/2):

- Pipe material changed to PB.
- SH-2U, discontinued.
- Socket body changed to PB (other parts remain BS).
- "V" added to updated products.

SH Series (2/2):

- Pipe material changed to PB.
- Socket body changed to PB.
- "V" added to updated products.

SO Series:

- Pipe material changed to PB.
- Plating changed to Au for all.
- Socket body changed to PB (other parts remain BS).
- "V" added to updated products.

SN Series:

- Pipe material changed to PB.
- Plating changed to Au for all.
- Socket body changed to PB (other parts remain BS).
- SN-2YF, discontinued.
- "V" added to updated products.

SF Series:

- Plating changed to Au for all.
- Socket body changed to PB.
- 100 series: initial load = 15g.
- "V" added to updated products.

SD Series:

- Plating changed to Au for all.
- SD-200W and SD-500W, discontinued.
- New additions: SD-200HV, SD-500HV (probes with heads).
- "V" added to product names.

SC Series

- SC-50 Pipe material changed to PB.

SJ Series, SB Series, SQ Series, SR Series: No changes.

Key Points of the Revision:

1. Replacement of BS for PB as BS.
2. Standardization of materials in product lines.

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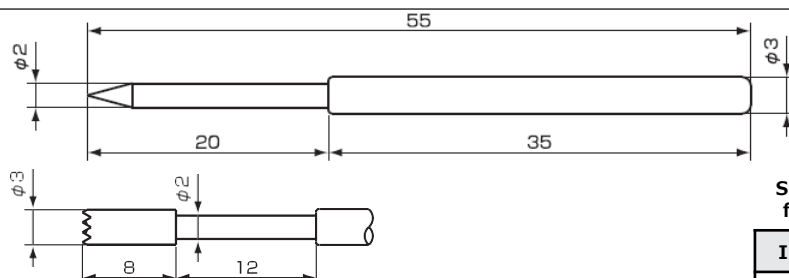
Probe specifications

Suitable pitch: 4.75mm
Current rating: 5A

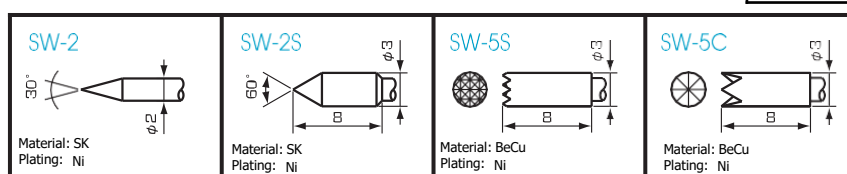
Material and Plating

Plunger	Check below
Barrel	BS / Ni
Spring	SWP / Ni+Au
Receptacle	BS / Ni

Probe line-up

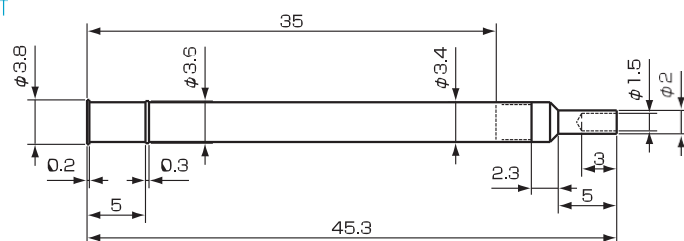


Spring force	Stroke used	Full St
Initial	7.7mm	12mm
60g	280g	405g

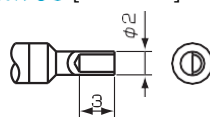


Socket line-up

SWR-ST



SWR-UG [For solder]



Reference hole diameter: $\phi 3.55$

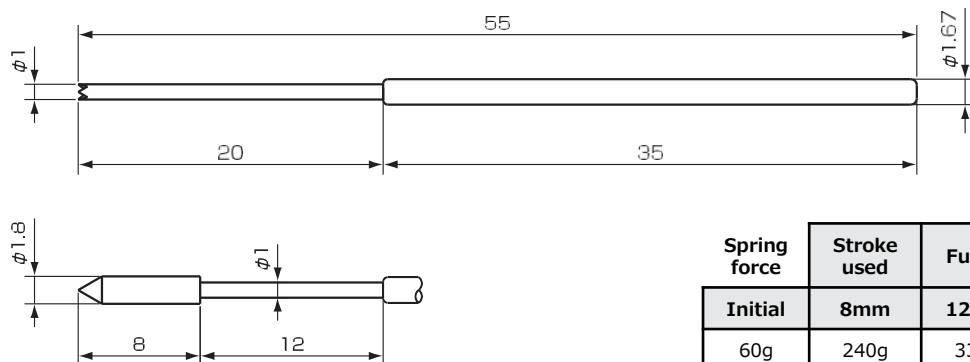
Probe specifications

Suitable pitch: 2.54mm
Current rating: 4A

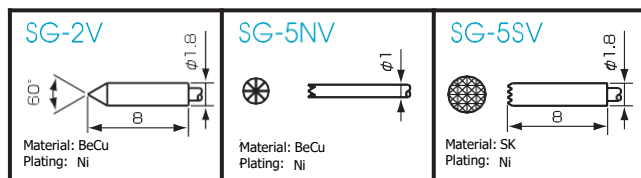
Material and Plating

Plunger	Check below
Barrel	PB / Ni
Spring	SWP / Ni+Au
Receptacle body	PB / Ni
Receptacle	BS / Ni

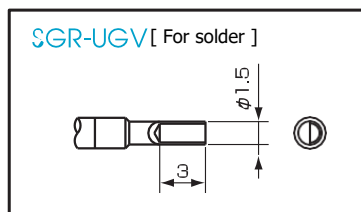
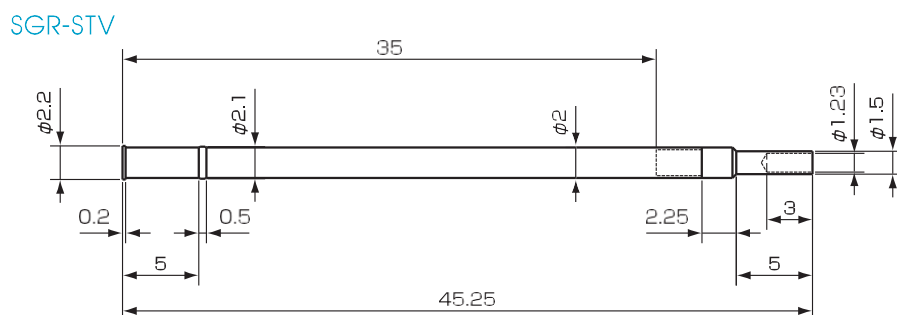
Probe line-up



Spring force	Stroke used	Full St
Initial	8mm	12mm
60g	240g	330g



Socket line-up



Reference hole diameter: φ2.05

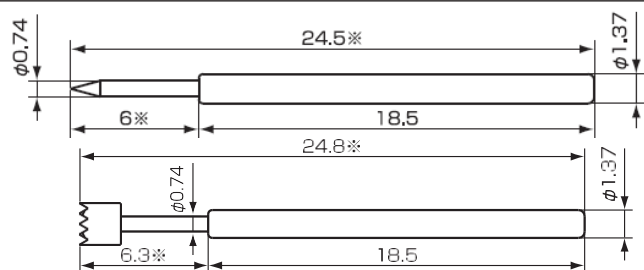
Probe specifications

Suitable pitch: 2.54mm
Current rating: 4A

Material and Plating

Plunger	Check below
Barrel	PB / Ni+Au
Spring	SWP / Ni+Au
Receptacle	BS / Ni

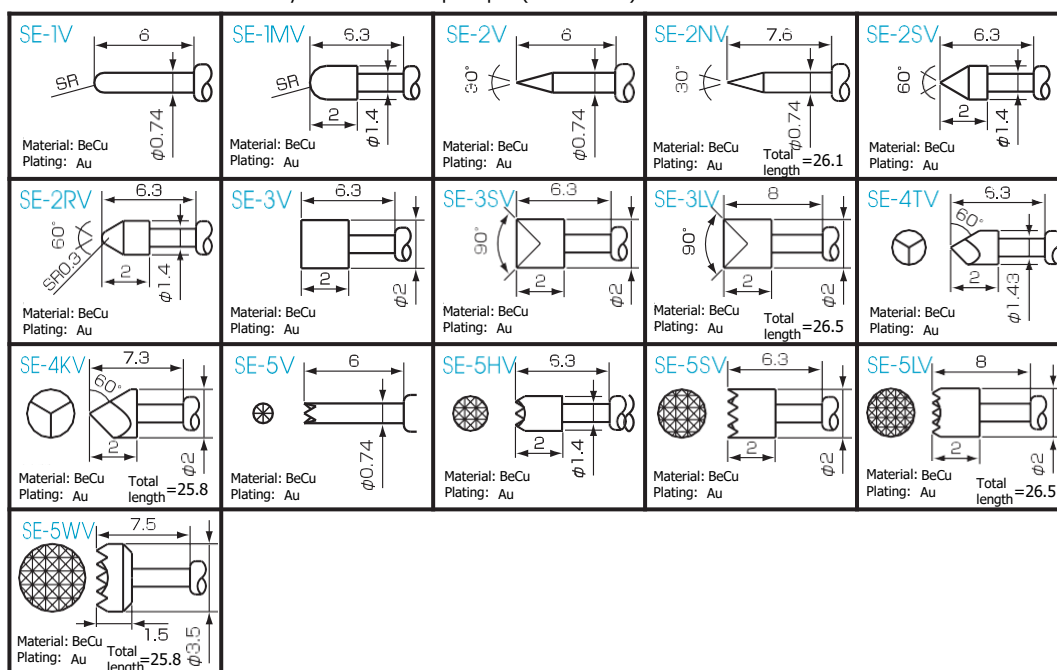
Probe line-up



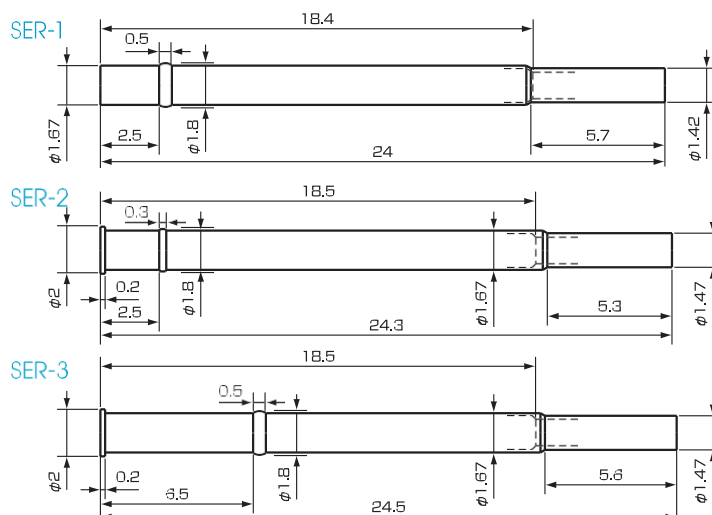
※ May differ for some tip shapes (check below).

Spring force		St used	Full St
	Initial	2.9mm	4.3mm
EA	60g	75g	95g
EB	40g	100g	130g
EC (Std.)	20g	130g	180g
ED	40g	210g	290g

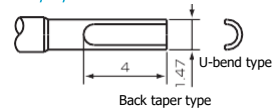
SE-2NV only		St used	Full St
	Initial	5.1mm	7.6mm
EE	30g	110g	150g



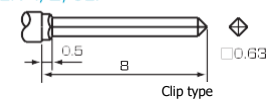
Socket line-up



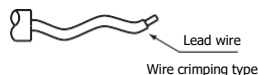
SER-1/2/3UG [For solder]



SER-1/2/3LP [For wrapping]



SER-1/2/3HR100 [Lead wire 100mm]
SER-1/2/3HR300 [Lead wire 300mm]



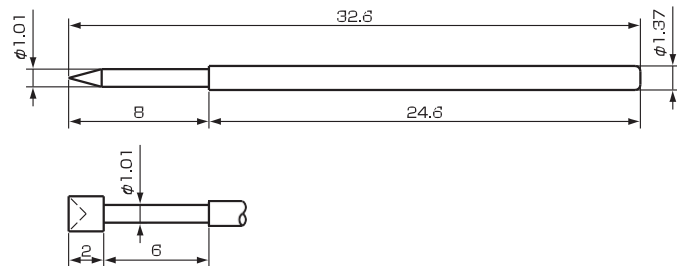
Probe specifications

Suitable pitch: 2.54mm
Current rating: 4A

Material and Plating

Plunger Check below
Barrel PB / Ni+Au
Spring SWP / Ni+Au
Receptacle BS / Ni

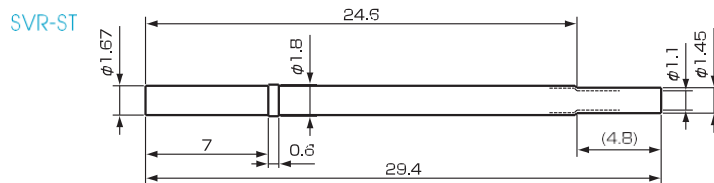
Probe line-up



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

SV-2V Material: BeCu Plating: Au	SV-2UV Material: BeCu Plating: Au	SV-3SV Material: BeCu Plating: Au	SV-3DV Material: BeCu Plating: Au
SV-4SV Material: BeCu Plating: Au	SV-4DV Material: BeCu Plating: Au	SV-5V Material: BeCu Plating: Au	SV-5SV Material: BeCu Plating: Au
SV-5DV Material: BeCu Plating: Au	SV-5CV Material: BeCu Plating: Au	SV-5WV Material: BeCu Plating: Au	

Socket line-up



Reference hole diameter: $\phi 1.75$

SVR-UG [For solder] U-bend type	SVR-LP [For wrapping] Clip type	SVR-ST HR100/300 [Lead wire 100mm / 300mm] Wire crimping type
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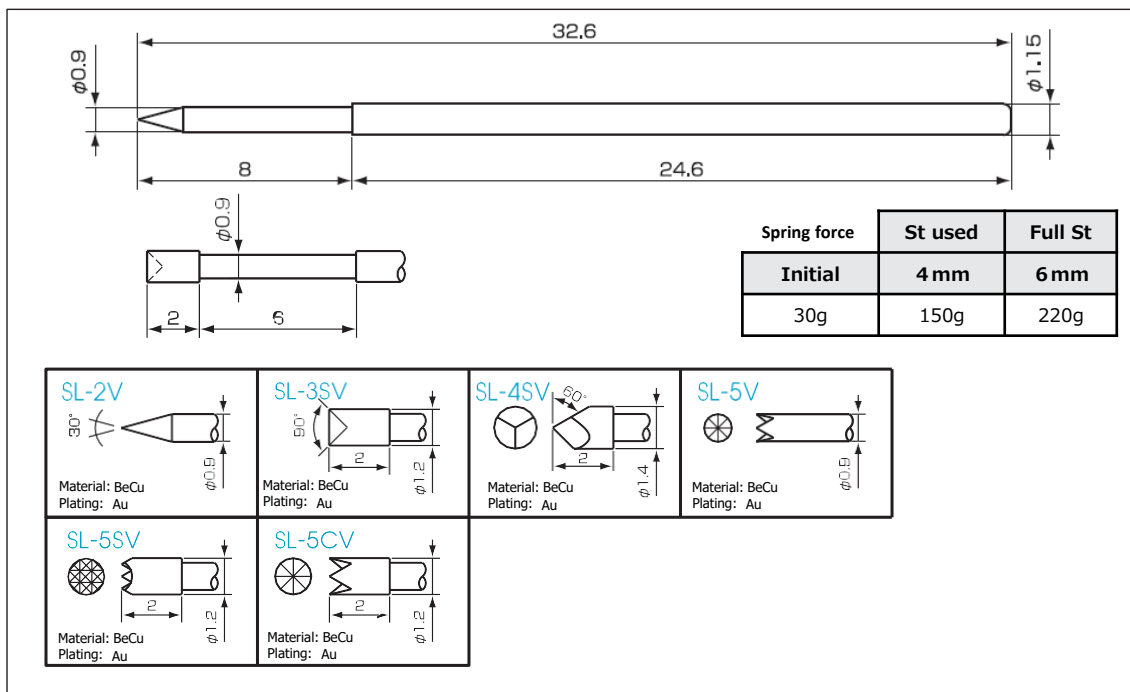
Probe specifications

Suitable pitch: 2.0mm
Current rating: 3A

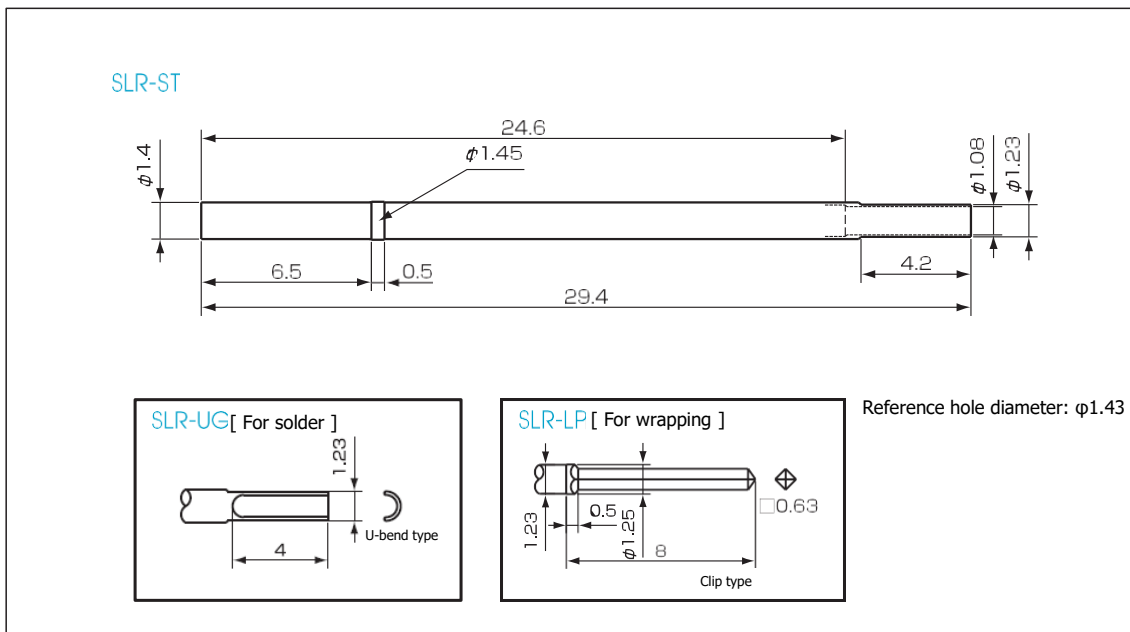
Material and Plating

Plunger	Check below
Barrel	PB / Ni+Au
Spring	SWP / Ni+Au
Receptacle	BS / Ni

Probe line-up



Socket line-up



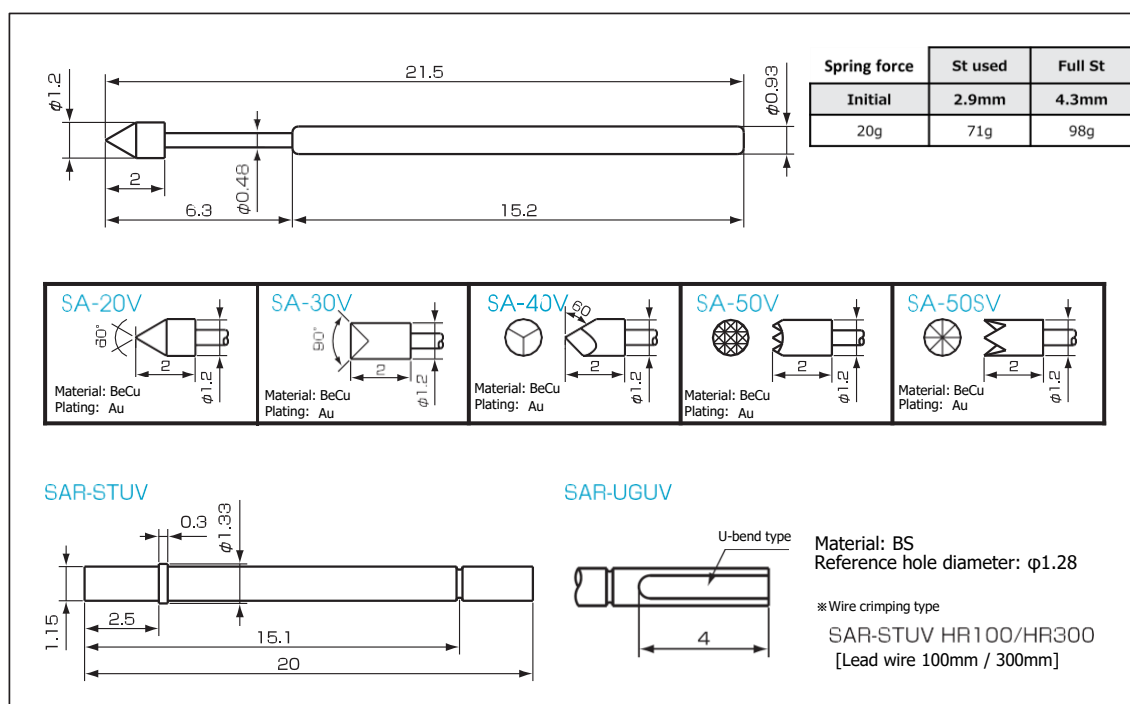
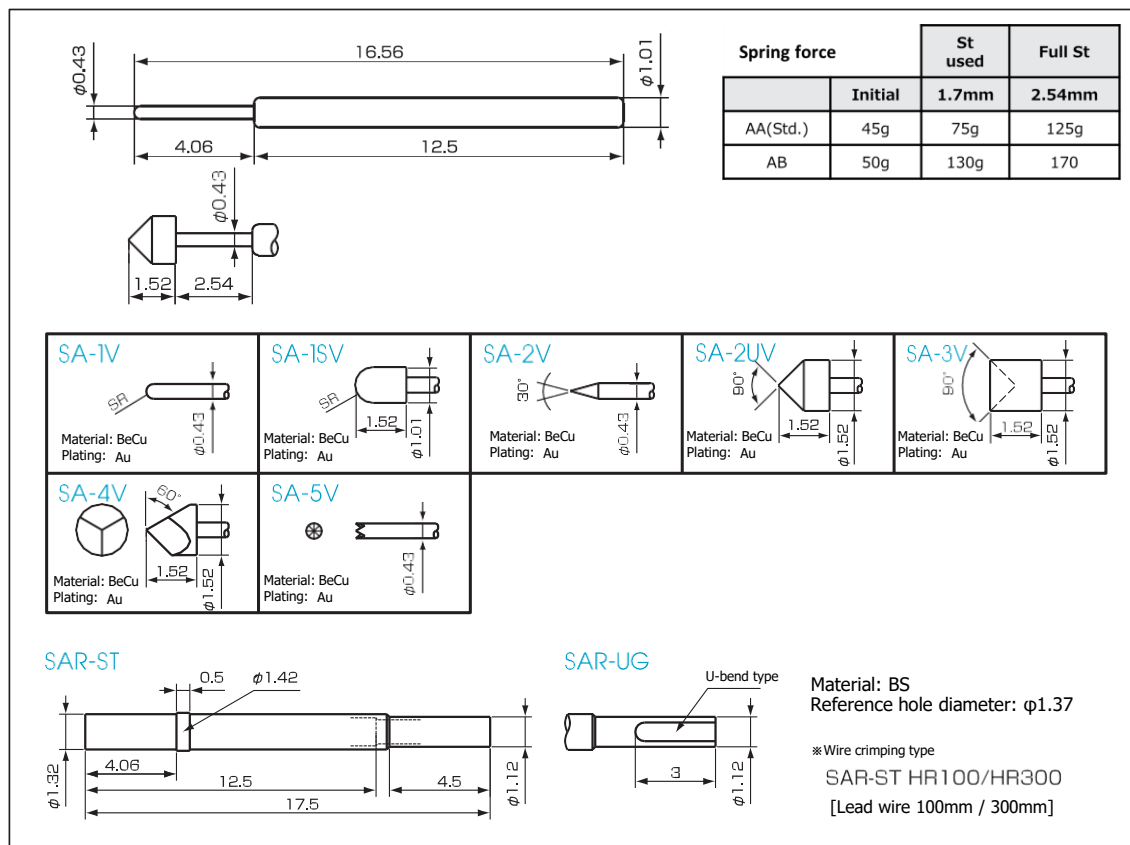
Probe specifications

Suitable pitch: 1.905mm
Current rating: 3A

Material and Plating

Plunger	Check below
Barrel	PB / Ni+Au
Spring	SWP / Ni+Au
Receptacle	Check below
*SAR-STUV	PB / Ni+Au
& SAR-UGUV	

Probe & Socket line-up (1/2)



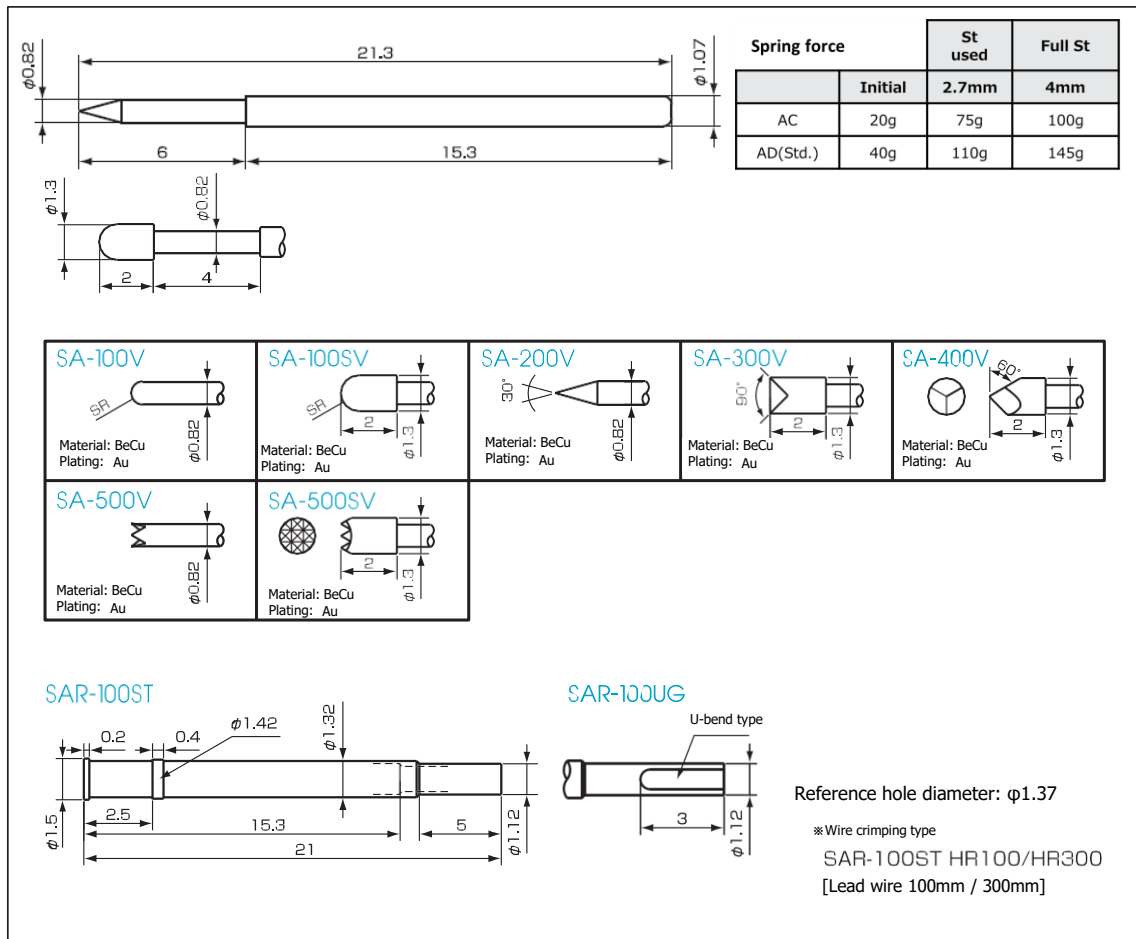
Probe specifications

Suitable pitch: 1.905mm
Current rating: 3A

Material and Plating

Plunger	Check below
Barrel	PB / Ni+Au
Spring	SWP / Ni+Au
Receptacle	BS / Ni+Au

Probe & Socket line-up (2/2)



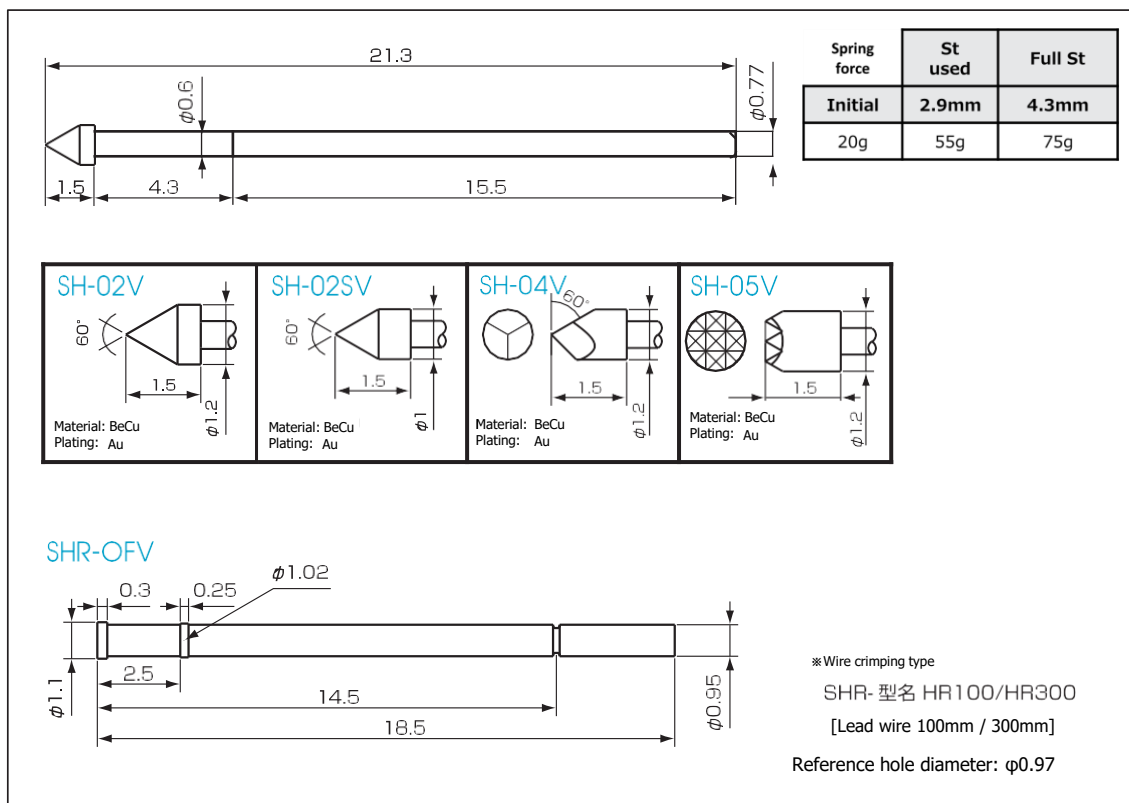
Probe specifications

Suitable pitch: 1.27mm
Current rating: 3A

Material and Plating

Plunger Check below
Barrel PB / Ni+Au
Spring SWP / Ni+Au
Receptacle body PB / Ni+Au

Probe & Socket line-up (2/2)



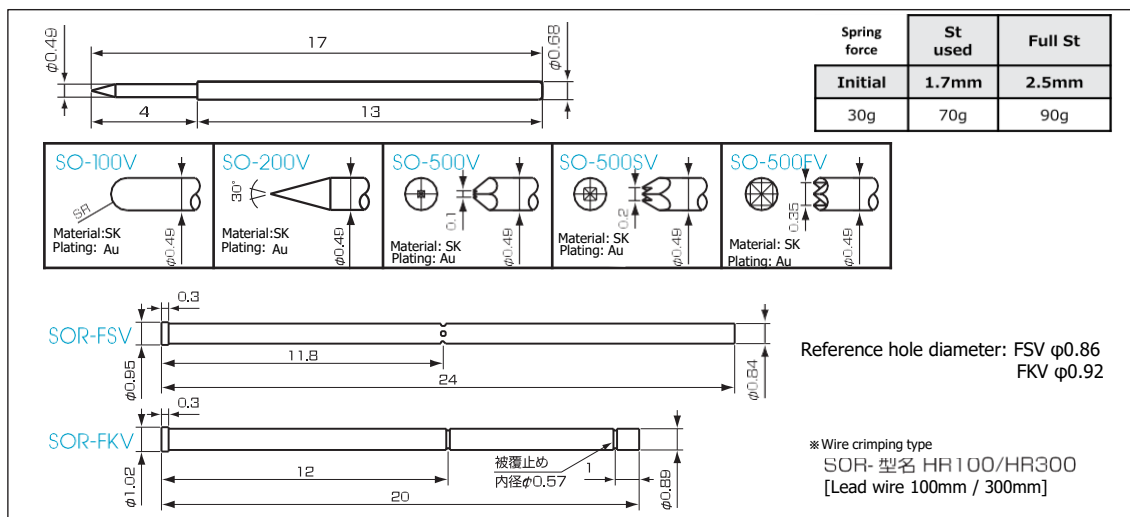
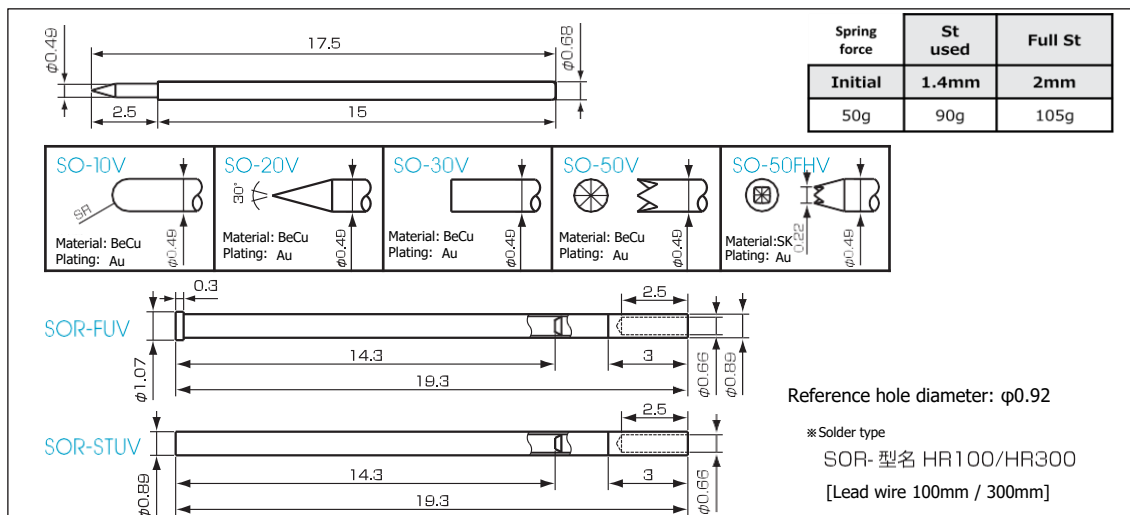
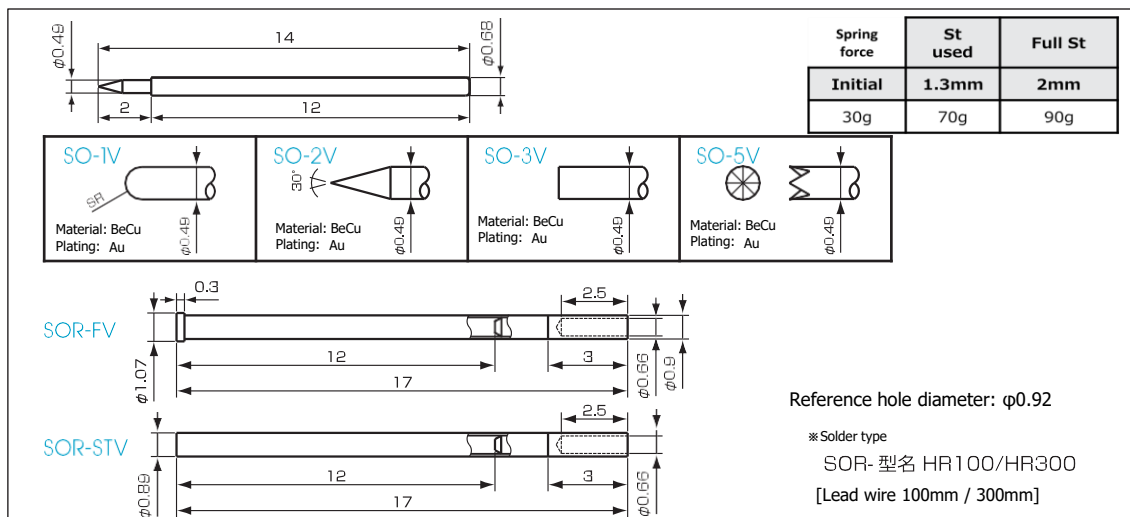
Probe specifications

Suitable pitch: 1.27mm
Current rating: 3A

Material and Plating

Plunger Check below
Barrel PB / Ni+Au
Spring SWP / Ni+Au
Receptacle body PB / Ni+Au
Receptacle BS / Ni+Au

Probe & Socket line-up



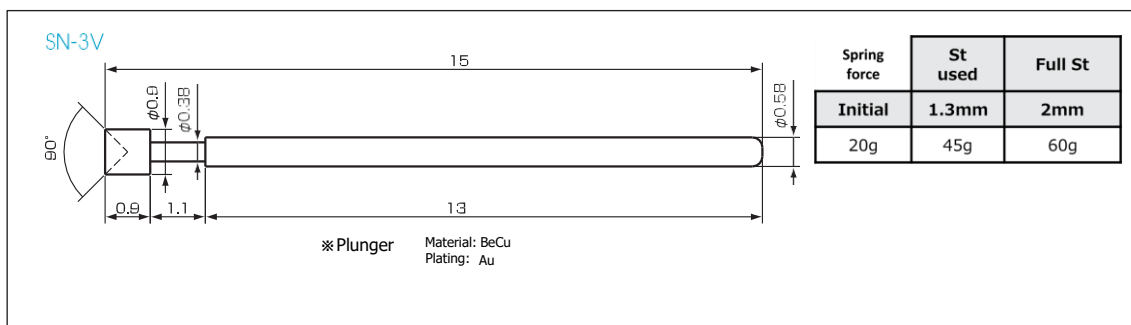
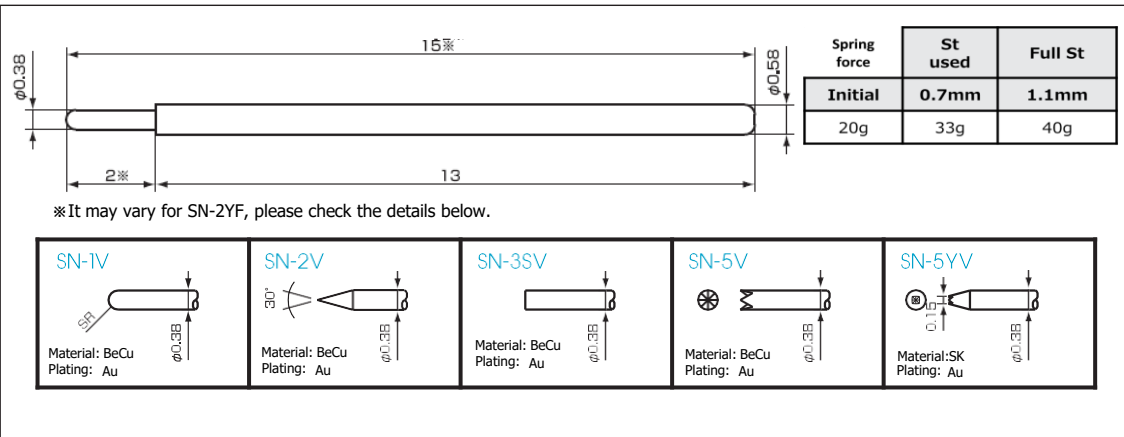
Probe specifications

Suitable pitch: 1.0-0.9mm
Current rating: 2.5A

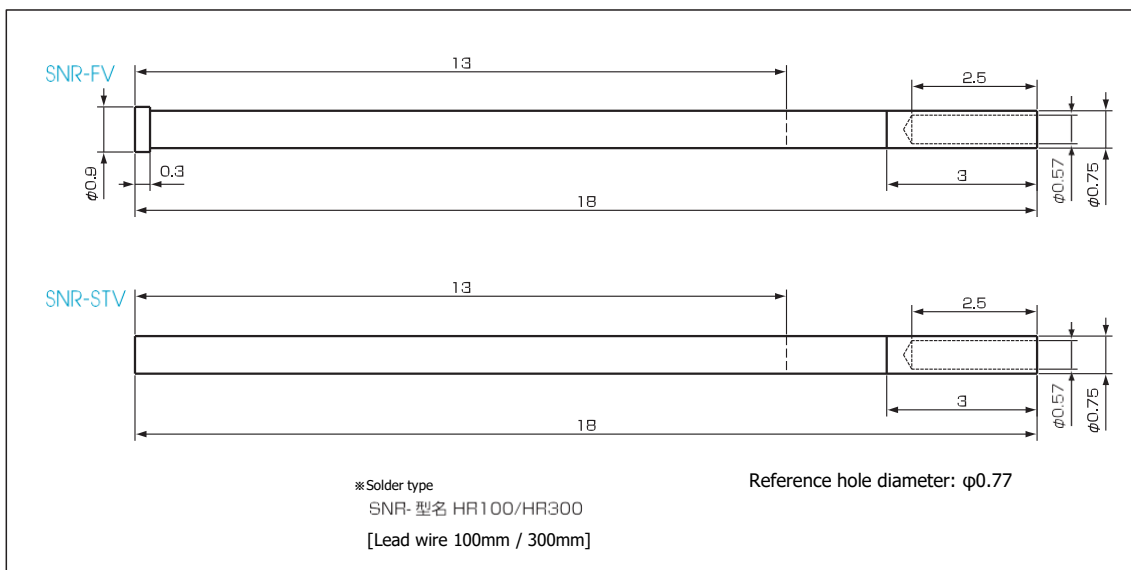
Material and Plating

Plunger	Check below
Barrel	PB / Ni+Au
Spring	SWP / Ni+Au
Receptacle body	PB / Ni+Au
Receptacle	BS / Ni+Au

Probe line-up



Socket line-up



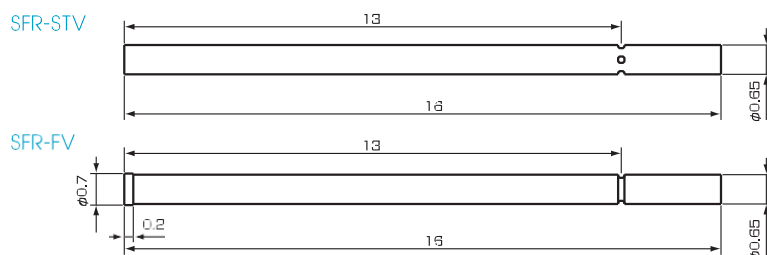
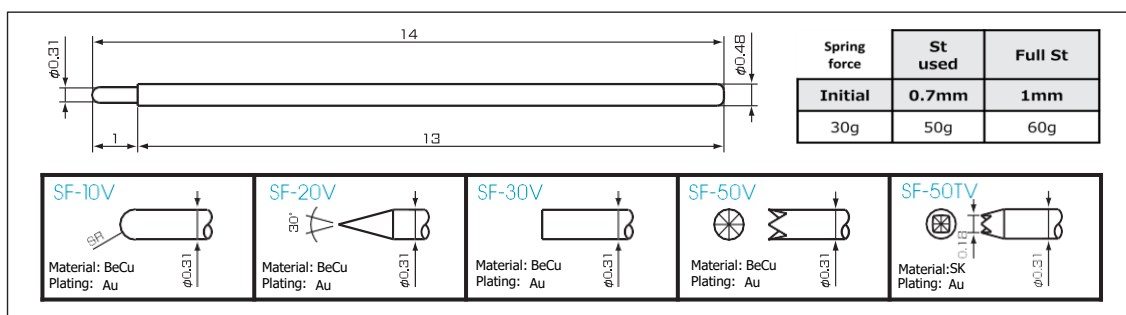
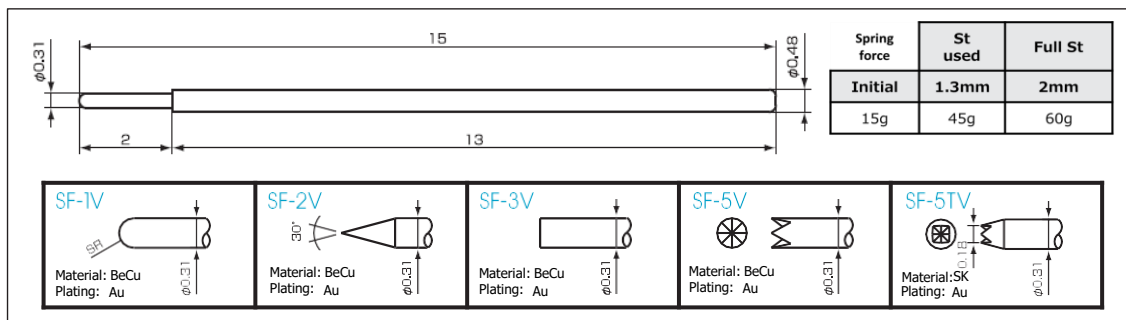
Probe specifications

Suitable pitch: 0.8mm
Current rating: 2.5A

Material and Plating

Plunger Check below
Barrel PB / Ni+Au
Spring SWP / Ni+Au
Receptacle PB / Ni+Au

Probe & Socket line-up

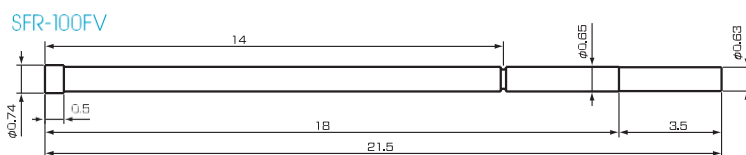
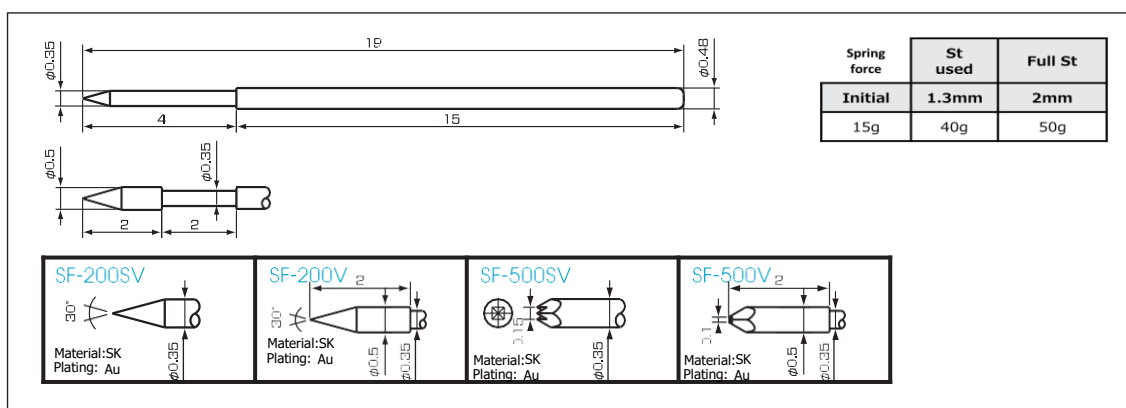


Reference hole diameter: $\phi 0.67$

※ Wire crimping type

SFR- 型名 HR100/HR300

[Lead wire 100mm / 300mm]



Reference hole diameter: $\phi 0.67$

※ Wire crimping type

SFR-100FV HR100/HR300

[Lead wire 100mm / 300mm]

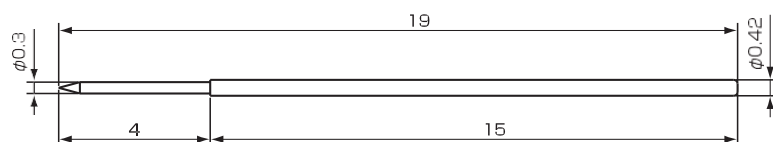
Probe specifications

Suitable pitch: 0.75mm
Current rating: 2A

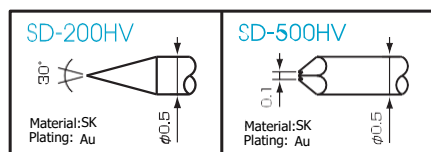
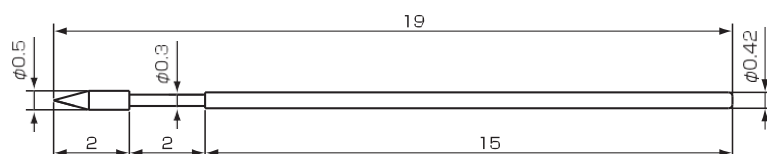
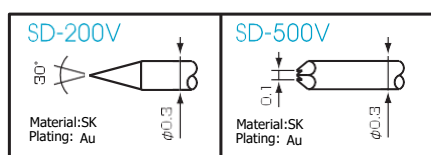
Material and Plating

Plunger	Check below
Barrel	PB / Ni+Au
Spring	SWP / Ni+Au
Receptacle	PB / Ni+Au

Probe line-up

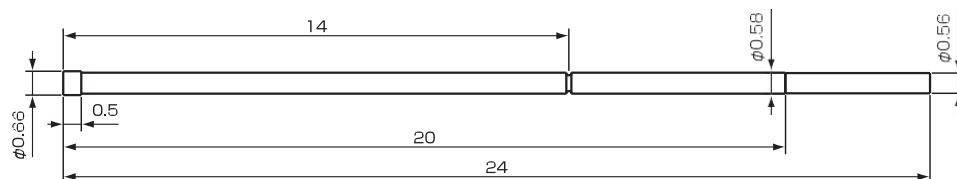


Spring force	St used	Full St
Initial	1.3mm	2mm
25g	50g	65g



Socket line-up

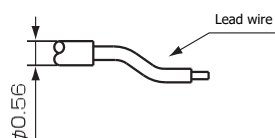
SDR-F



※ Wire crimping type

SDR-FHR100/300

[Lead wire 100mm / 300mm]



Reference hole diameter: $\phi 0.6$

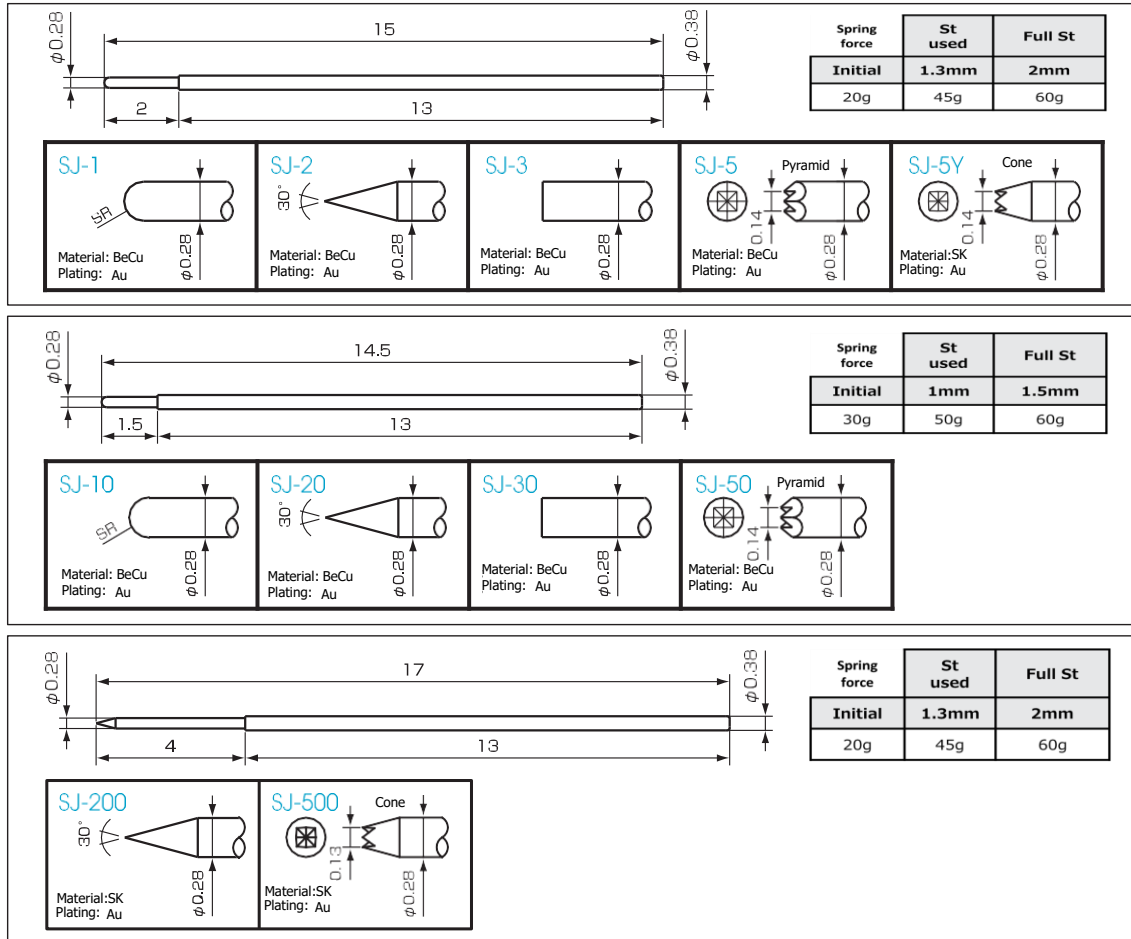
Probe specifications

Suitable pitch: 0.65mm
Current rating: 1.5A

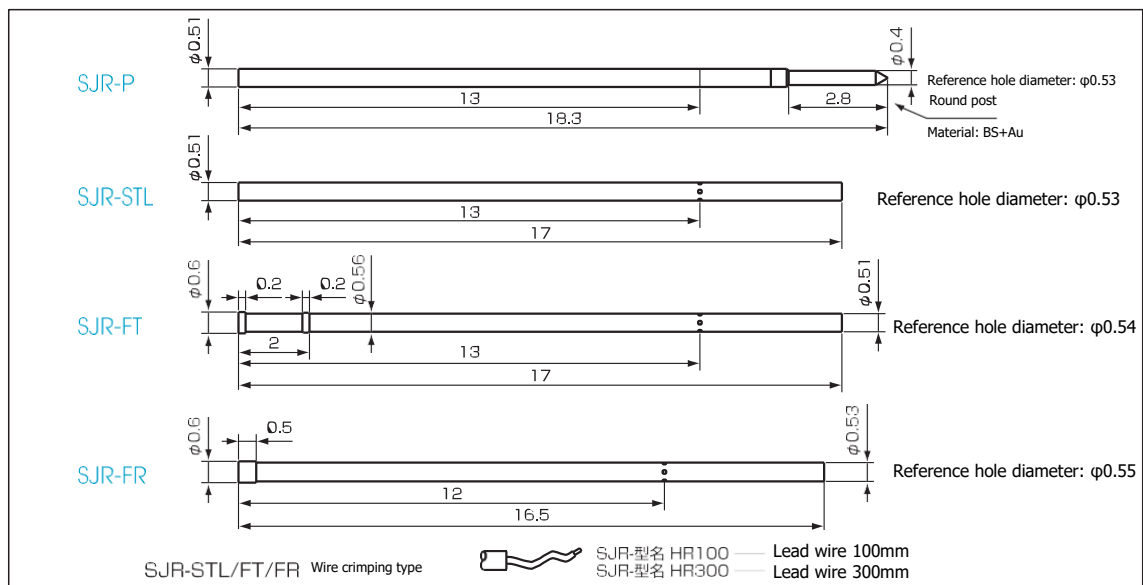
Material and Plating

Plunger Check below
Barrel PB / Ni+Au
Spring SWP / Ni+Au
Receptacle PB / Ni+Au

Probe line-up



Socket line-up



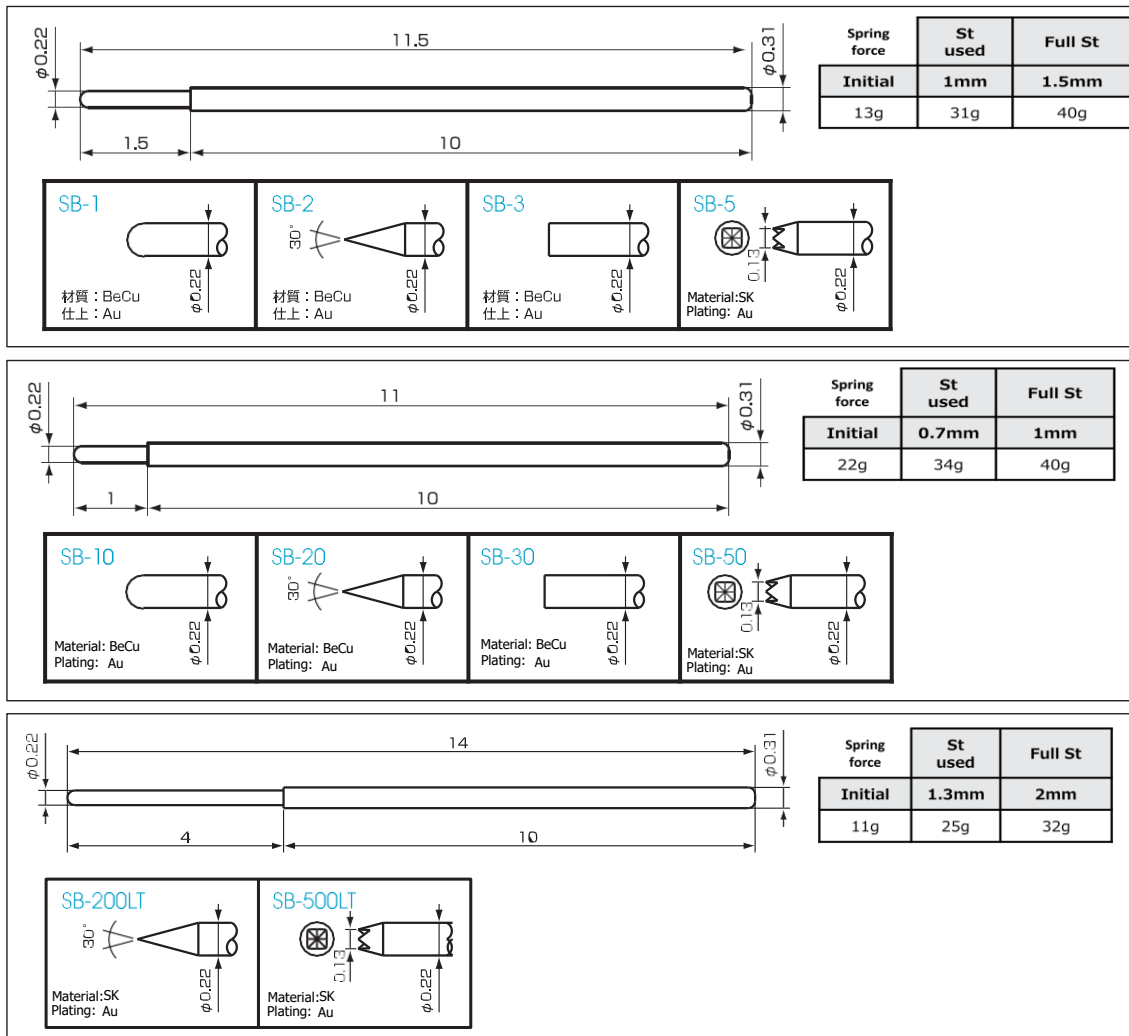
Probe specifications

Suitable pitch: 0.5mm
Current rating: 1.5A

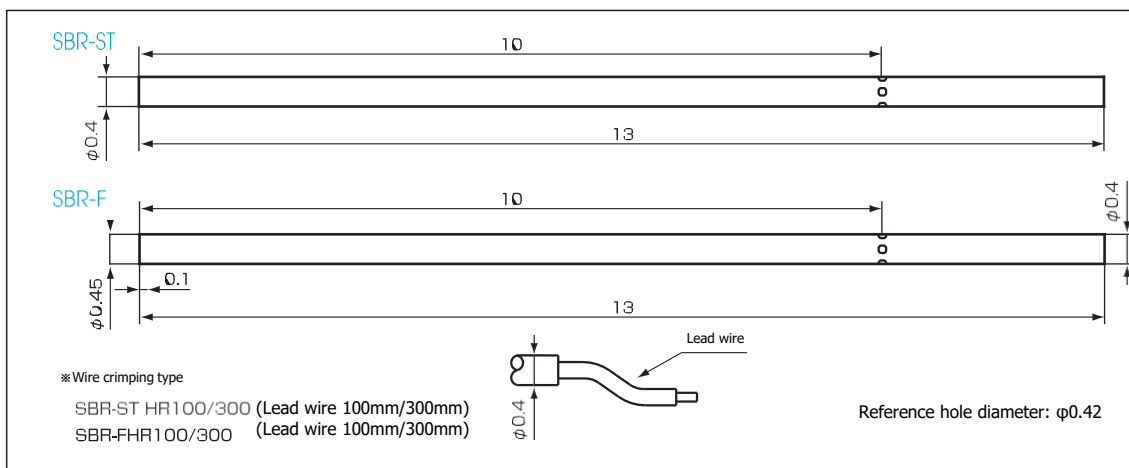
Material and Plating

Plunger	Check below
Barrel	PB / Ni+Au
Spring	SWP / Ni+Au
Receptacle	PB / Ni+Au

Probe line-up



Socket line-up



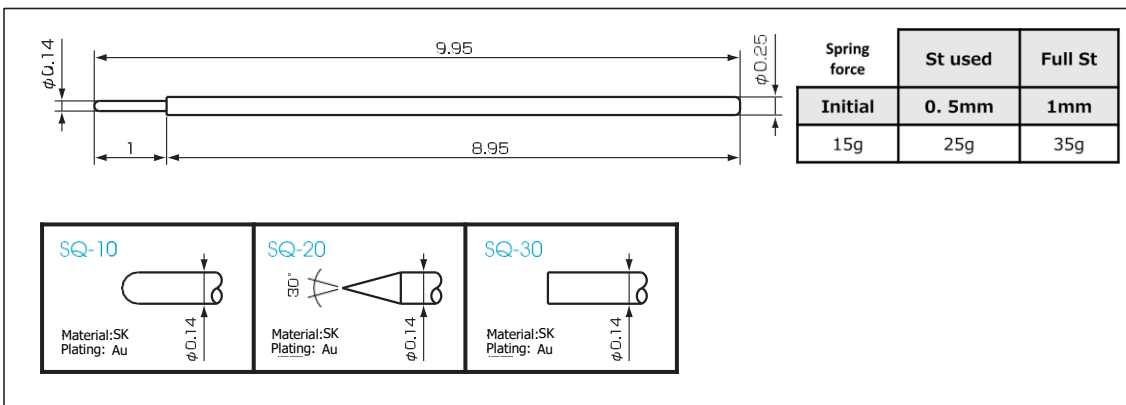
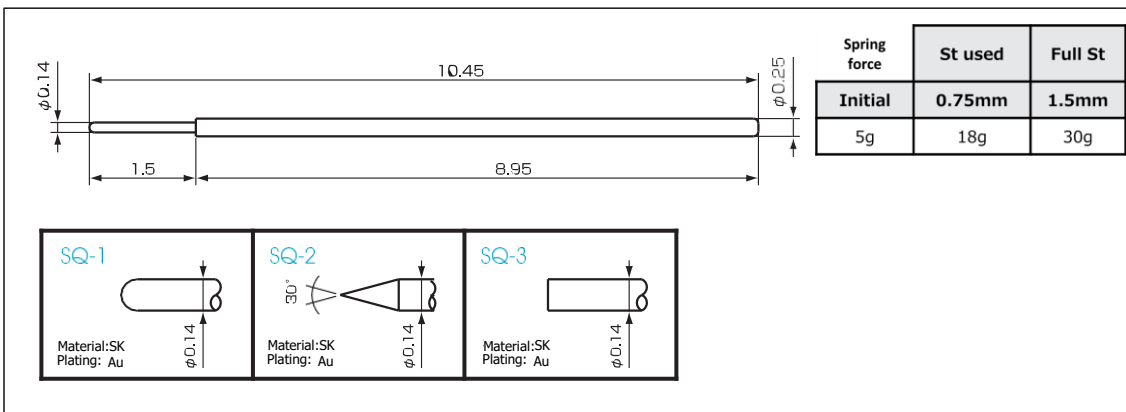
Probe specifications

Suitable pitch: 0.45mm
Current rating: 0.5A

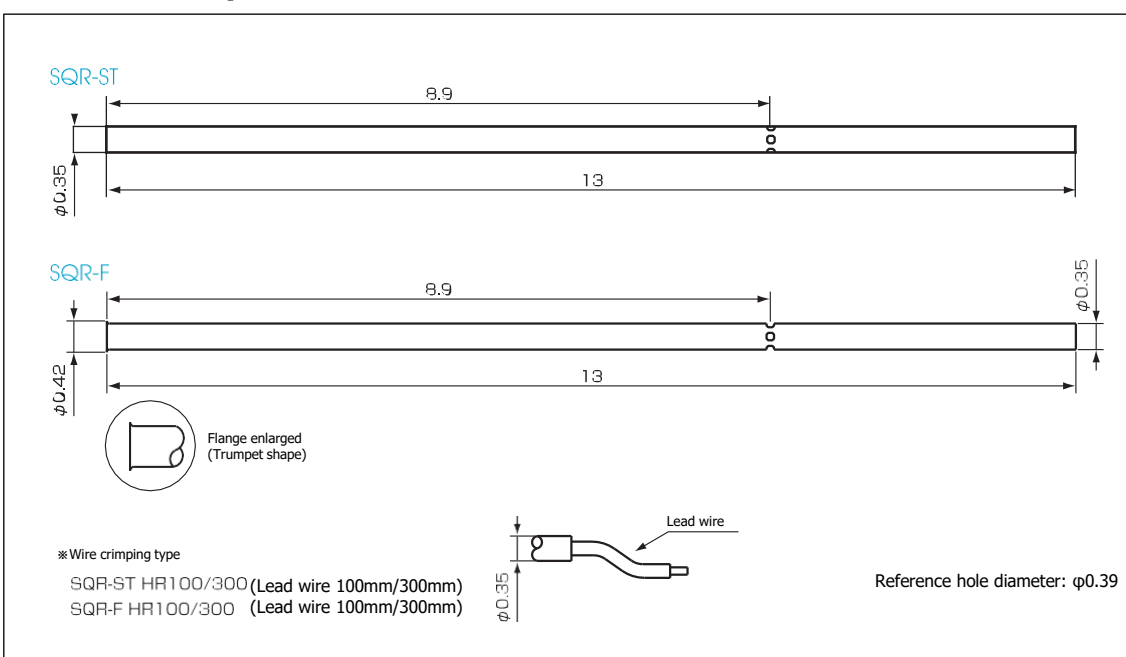
Material and Plating

Plunger	Check below
Barrel	NS
Spring	SWP / Ni+Au
Receptacle	PB / Ni+Au

Probe line-up

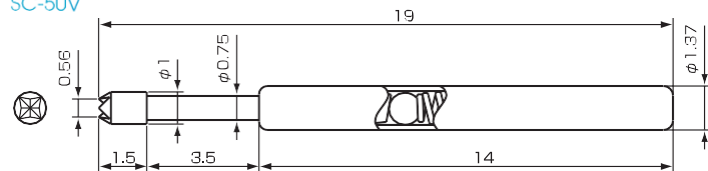


Socket line-up



Bias probe & socket line-up

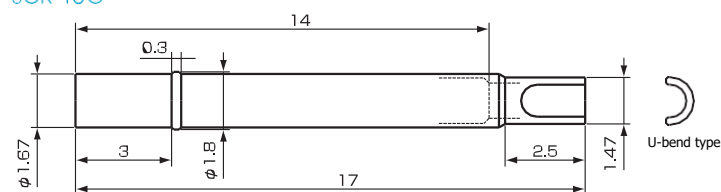
SC-50V



Suitable pitch: 2.54mm

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

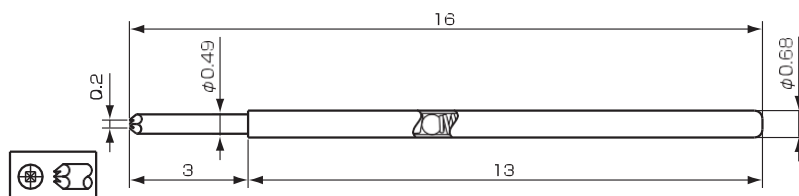
SCR-1UG



Material and Plating

SC-50V	
Plunger	BeCu / Ni+Au
Barrel	PB / Ni+Au
Ball	SK / Ni+Au
Spring	SWP / Ni+Au
SCR-1UG	
Receptacle	BS / Ni+Au

SC-05



Suitable pitch: 1.27mm

Material and Plating

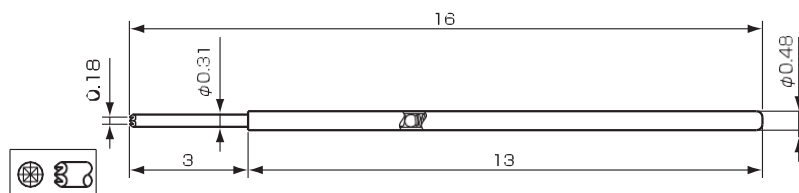
Plunger	SK / Ni+Au
Barrel	PB / Ni+Au
Ball	SK / Ni+Au
Spring	SWP / Ni+Au

Suitable sockets

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

Spring force	St 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
Ball	SK / Ni+Au
Spring	SWP / Ni+Au

Suitable sockets

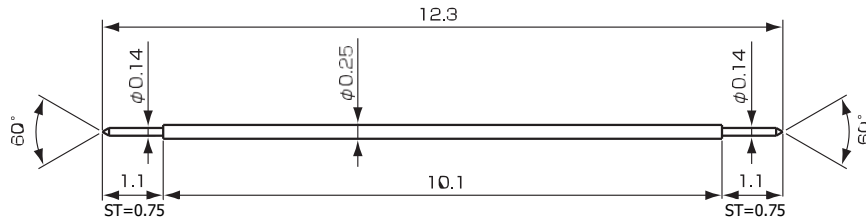
- SFR-F (SF series)
- SFR-ST (SF series)

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

Double ended probe & relay pin line-up

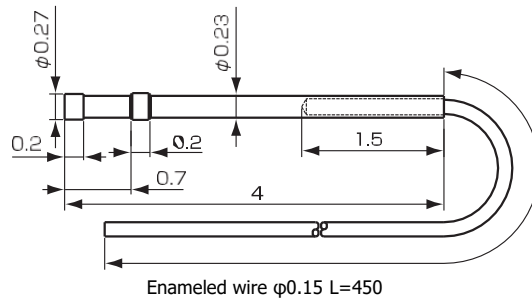
SQ-22RT

Suitable pitch: 0.35mm



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

SQ-MCPI

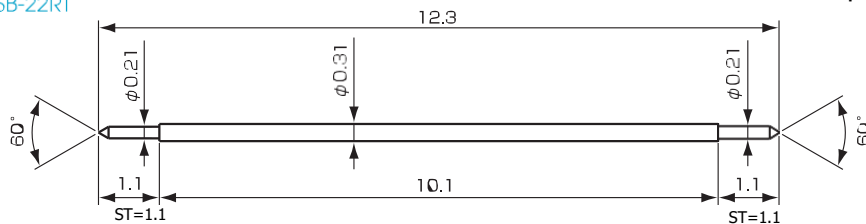


Material and Plating

SQ-22RT	
Plunger	SK / Ni+Au
Barrel	Au+PB / Ni+Au
Spring	SWP / Ni+Au
SQ-MCPI	
Relay pin	BS / Ni+Au

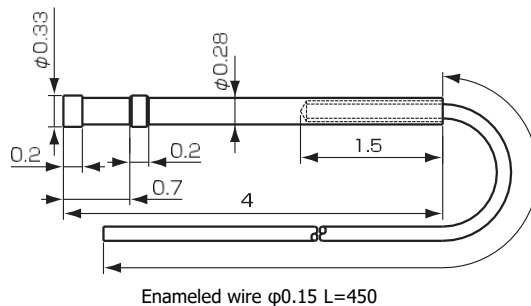
SB-22RT

Suitable pitch: 0.4mm



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

SB-MCP



Material and Plating

SB-22RT	
Plunger	SK / Ni+Au
Barrel	Au+PB / Ni+Au
Spring	SWP / Ni+Au
SB-MCP	
Relay pin	BS / Ni+Au