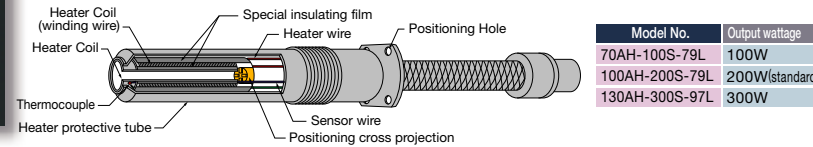


## Heaters

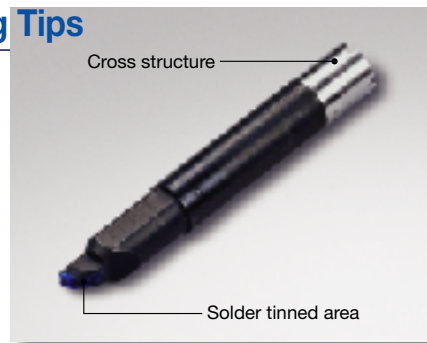


### CROSS HEATER

- Built-in detents positioning cross projection inside heaters (male side)
- Heaters dedicated to automatic soldering with calculated tip thermal conductance, thermal capacities and thermal efficiencies.
- Built-in thermocouple (CA sensor)
- Available with three heater sizes, ranging from 100W to 300W.

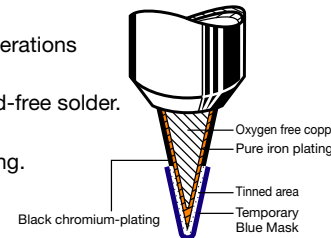


## Soldering Tips



### CROSS-BIT

- Stainless steel cross structure attached in position (female side) to meet the positioning projection on the inside of the heating element.
- High-performance CROSS-BIT developed for exclusive use in automatic soldering operations
- Black chromium-plated tips
- Solder "tinned area" of tips plated with lead-free solder.
- Available in numerous standard tip shapes, including point soldering and linear soldering.
- Tips available in three sizes, ranging from 100W to 300W, to meet specific heater capacities.
- Custom tips tailored to the customer's specifications can be designed and built in multiples of 10. Special tips are built to order.



• Standard CROSS-BIT list (for exclusive use with the 200W CROSS-HEATER)   Gray zones indicate solder "tinned area".

Solder tinned area: on bottom and one side

Product Name	A	B	C	D	E
P2D-N	1	0.5mm	2	8mm	1mm
P3D-N	1.5	0.5mm	3	10mm	1mm
P4D-N	2.5	1.0mm	4	12mm	2mm

Solder tinned area: on bottom and one side

Product Name	A	B	C	D
P2D-S	2	0.5mm	8mm	2mm
P25D-S	2.5	0.8mm	9mm	2mm
P3D-S	3	1mm	10mm	2mm
P4D-S	4	1mm	13mm	2mm
P5D-S	5	1mm	15mm	3mm
P6D-S	6	1.1mm	18.5mm	3mm

Solder tinned area: on bottom and one side

Product Name	A	B	C
P2D-R	2	1mm	2mm
P25D-R	2.5	1.1mm	2mm
P3D-R	3	1.2mm	2mm
P4D-R	4	1.5mm	3mm
P5D-R	5	1.5mm	3mm
P6D-R	6	2mm	3mm

Solder tinned area: on bottom and one side

Product Name	A	B	C
P3PC-S	3	2mm	10mm
P4PC-S	4	2.7mm	13mm
P6PC-S	6	4mm	18.5mm
P9PC-S	9	5.5mm	23mm

Solder tinned area: on 20 degree section and one side

Product Name	A	B	C	D
P12DVAP	2	1.2mm	1.5mm	3mm
P13DVAP	3	2.2mm	1.5mm	3mm
P16DVAP	6	3.5mm	2mm	5mm

Solder tinned area: on 30 degree and 25 degree sections

Product Name	A
P120BCPC	2mm
P125BCPC	2.5mm
P130BCPC	3mm

Solder tinned area: on 30 degree section and one side (3mm from edge)

Product Name	A
P10DCN-R	1mm
P15DCN-R	1.5mm

Solder tinned area: on 30 degree section and one side (3mm from edge)

Product Name	A
P10DCN-L	1mm
P15DCN-L	1.5mm

Solder tinned area: on bottom and in slot

型番	A	B	C	D	E	F
P6V08-18	0.8mm	1.8mm	2mm	1.4mm	0.8mm	3.2mm
P1V08-18	0.8mm	1.8mm	2.8mm	1.4mm	0.7mm	4mm
P1V10-20	1mm	2mm	3mm	1.6mm	0.8mm	4mm
P1V10-23	1mm	2.3mm	3mm	1.6mm	0.8mm	4mm
P1V12-23	1.2mm	2.3mm	3.2mm	1.8mm	0.9mm	4mm
P1V12-28	1.2mm	2.8mm	3.2mm	1.8mm	0.9mm	4mm

Shown above is a standard tip designed for use with 200W CROSS-HEATER. Other variations available include heater capacity-specific standard tips, many semi-custom tips and full custom tips.