

HAJKO FM-206 REWORK SYSTEM ESD SAFE Soldering iron



- Multi-station that enables soldering, desoldering, and SMD rework all with a single unit
- Single-nozzle hot air handpiece comes as standard equipment
- Graphic LCD enables easy viewing and operation
- Supports the N₂ system.

Specifications

Model No. FM206

Power consumption 410W (Max.)
FM-2026/2027 : 200-450°C
FM-2022/2023 : 200-400°C

Temperature range FM-2024 : 350-450°C
FM-2029 : 100-550°C
FM-2030 : 200-500°C

Temperature stability ±5°C at idle temperature

- Station

Output voltage 24V
Dimensions 162(W)×136(H)×245(D)mm
Weight 6.2kg
Air flow 6L/min. (Max.)

Vacuum generator Vacuum pump, cylinder type

Vacuum pressure 80kPa (600mmHg) (Max.)

Suction flow 14L/min.

- Soldering Iron

Power consumption	70W (24V)
Tip to ground resistance	<2Ω
Tip to ground potential	<2mV
Heating element	Composit heater
Length of cord	1.2m
Total length	188mm (with 2.4D tip)
Weight	30g (with 2.4D tip)

- Desoldering Tool

Power consumption	140W (24V)
Tip to ground resistance	<2Ω
Tip to ground potential	<2mV
Total length	148mm (with SOP 25L tip)
Weight	64g (with SOP 25L tip)
Length of cord	1.2m

- Hot Air Handpiece : for FM-206

Nozzle to ground resistance	<2Ω
Total length	232mm (with Φ4.0mm nozzle)
Weight	50g (with Φ4.0mm nozzle)
Length of cord	1.2m
Tip to ground potential	<2mV

* Length and weight (w/o cord)

* Length and weight for hot air handpiece (w/o cord, tube)

Temperature setting range	FM-2026/2027: 200 to 450℃
	FM-2022/2023: 200 to 400℃
	FM-2024: 350 to 450℃
	FM-2029: 100 to 550℃
	FM-2030: 200 to 500℃
Temp. stability	Tolerance at idling time ±5℃

-Station

Output	24V
Outer dimensions	162 (W)×136 (H)×245 (D) mm
Weight	6.2kg

-Soldering iron

Power consumption	70W (24V)
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Tip to ground resistance	<2Ω
Tip to ground potential, Leak Voltage	<2mV
Heating element	Composite Heater
Cord length	1.2m
Total length	188mm (with 2.4D tip)
Weight	30g (with 2.4D tip)

-Desoldering tool

Power Consumption	70W (24V)
Temperature Range	350 to 450°C (650 to 840°F)
Tip to Ground Resistant	< 2Ω
Tip to Ground Potential	< 2mV
Total Length (w / o cord)	180mm
Weight (w / o cord & hose)	65g
Cord Length	1.2m

-Hot air handpiece

Air flow	1.3 to 6L/min. (Max.)
Pump	Diaphragm type
Nozzle to ground resistance	<2Ω
Nozzle to ground potential, Leak Voltage	<2mV

Packing List

Model No.	Packing List
FM206-**	Station, Power cord, FM-2024 conversion kit, Tip tray, FM-2027 conversion kit, FM-2029 conversion kit, Instruction manual

Features

- Combines soldering, desoldering, and rework functions in a compact body. Features expandability in which the handpiece can be switched as needed for added functions. Comes with hot air-type rework functions and expands the range of repair of SMD parts with hot air handpiece.
- Supplied tools



Soldering iron

[HAKKO FM-2027](#)



Desoldering tool

[HAKKO FM-2024](#)



Rework tool
(hot air-type)

[HAKKO FM-2029](#)



N₂ soldering iron

[HAKKO FM-2026](#)



Rework tool
(direct heat-type)

[HAKKO FM-2023](#)



Rework tool
(direct heat-type)

[HAKKO FM-2022](#)



Soldering iron

[HAKKO FM-2030](#)



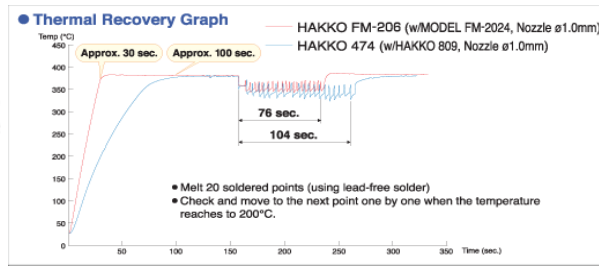
N₂ soldering iron

[HAKKO FM-2031](#)

- FM-2027 lock-type soldering iron
The sleeve of the FM-2027 soldering iron can be locked to secure the tip.

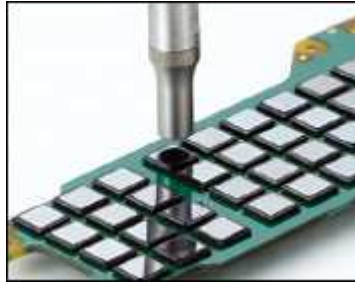


- FM-2024 The integrated nozzle containing both heating element and sensor provides higher thermal recovery than conventional tips.



*Click on image to see larger image.

- FM-2029 has a slender grip ideal for work in narrow spaces.



Use external air to enable N₂ functions.
* Requires a flow meter and nitrogen gas generator.

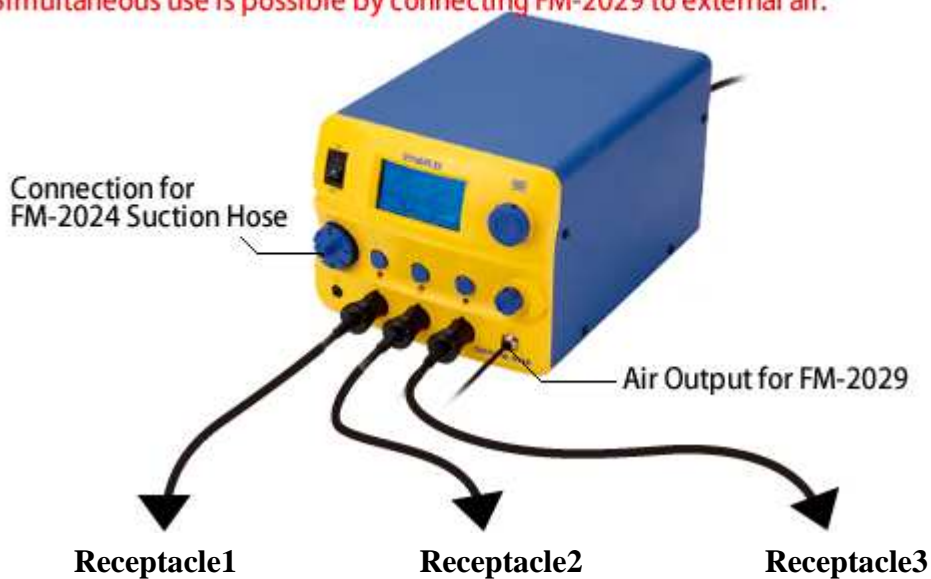
Securely and easily remove 10 x 10 (mm) chips.

- Large LCD panel for easy operation
Uses a large LCD for easy panel reading and easy, stress-free setting changes.



Usage / Applications

Although the pump can be used for both FM-2024 and FM-2029, when using the internal pump, both cannot be used at the same time. Simultaneous use is possible by connecting FM-2029 to external air.





[FM-2024\(*1\)](#)



[FM-2022](#)



[FM-2024\(*1\)](#)



[FM-2026](#)



[FM-2023](#)



[FM-2026](#)



[FM-2027](#)



[FM-2024\(*1\)](#)



[FM-2027](#)



[FM-2026](#)



[FM-2029\(*2\)](#)



[FM-2027](#)



[FM-2030](#)



[FM-2030](#)



[FM-2031](#)



[FM-2031](#)

*1 HAKKO FM-2024 can be connected to FM-206 receptacles 1, 2, and 3, but it can only be used with one receptacle.
*2 HAKKO FM-2029 can only be used with FM-206 receptacle 3.


Part No.	Name	Specifications
	FM2027-03 HAKKO FM-2027 conversion kit	70W (24V)
	FM2024-xx HAKKO FM-2024 conversion kit	
	FM2029-01 HAKKO FM-2029 conversion kit	140W (24V)
	B2756 Tip tray	
	B2300 Heating resistant pad	
	B3253 Connecting cable	
	C1574 Handpiece holder	w/ power-save function
	FH200-03 Iron holder	w/ power-save function
	FH200-02 Iron holder	w/ power-save function
	B3216 Sleeve assembly	yellow
	FM2027-02 Connector assembly	
	FM2022-02 Handpiece Model FM-2022	140W (24V)
	FM2029-02 Hot air handpiece FM-2029	140W (24V)

C1574 is for FM-2029

FH200-03 is for FM-2022

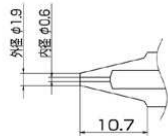
FH200-02 is for FM-2027

Option

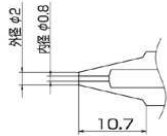
	Part No.	Name	Specifications
	FM2030-02	HAKKO FM-2030 conversion kit	
	FM2026-06	HAKKO FM-2026 conversion kit	70W (24V), EU
	FM2022-05	HAKKO FM-2022 conversion kit	140W (24V), EU
	FM2023-06	HAKKO FM-2023 conversion kit	140W (24V), EU
	FM2030-01	Handpiece Model FM-2030	140W (24V)
	B3687	Nipple	w/o O-ring
	B3218	Sleeve assembly	blue
	B3219	Sleeve assembly	green
	B3217	Sleeve assembly	orange
	599B-01	HAKKO 599B tip cleaner	

B3687 is a nipple for FM-2030

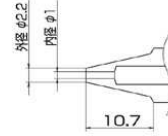
N3 széria



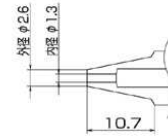
N3-06 Nozzle
Size $\phi 0.6$



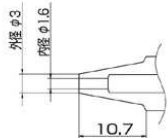
N3-08 Nozzle
Size $\phi 0.8$



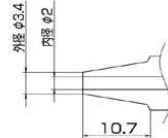
N3-10 Nozzle
Size $\phi 1.0$



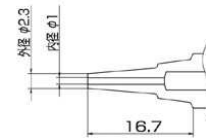
N3-13 Nozzle
Size $\phi 1.3$



N3-16 Nozzle
Size $\phi 1.6$

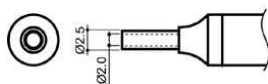


N3-20 Nozzle
Size $\phi 2.0$

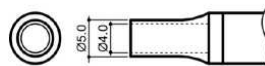


N3-23 Nozzle
Size $\phi 2.3$

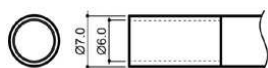
N4 széria



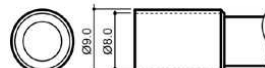
N4-01 Nozzle
Size $\phi 2.0$



N4-02 Nozzle
Size $\phi 4.0$

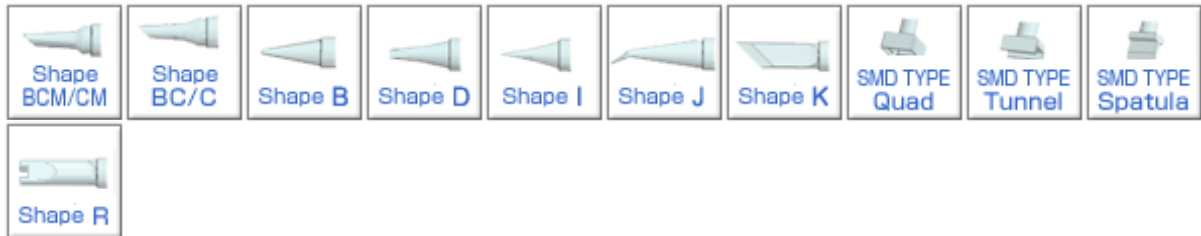
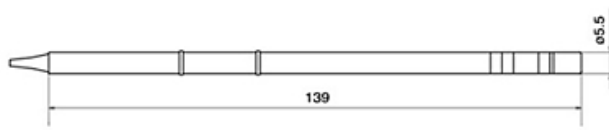


N4-03 Nozzle
Size $\phi 6.0$



N4-04 Nozzle
Size $\phi 8.0$

T15 széria

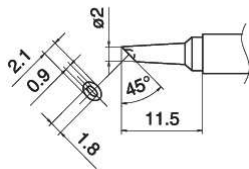


Shape BCM/CM

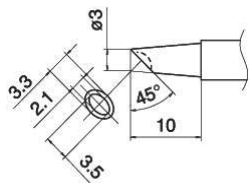
This type differs from Shape BC by the addition of a hollow to its cut face, providing high solder retention capability.

It is used for drag soldering and correction of bridging.

* Shape BCM/CM are not available for sale or use in the U.S.A.



T15-BCM2 Shape-2BC Bevel with indent

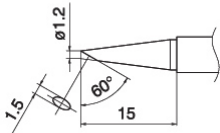


T15-BCM3 Shape-3BC Bevel with indent

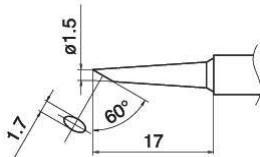
Shape BC/C

This type has a shape like a cone or column cut at a slant, which allows users to select the cut surface size depending on the workpiece.

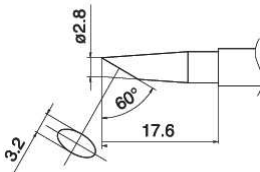
It is used for drag soldering and pre-tinning of lead wires.



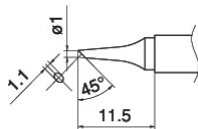
T15-BC12 Shape-1.2BC



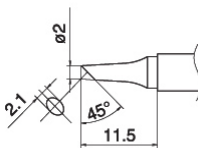
- T15-BC15 Shape-1.5BC



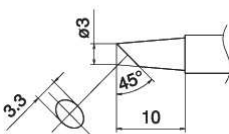
- T15-BC28 Shape-2.8BC



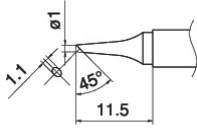
- T15-BC1 Shape-1BC



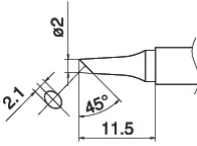
- T15-BC2 Shape-2BC



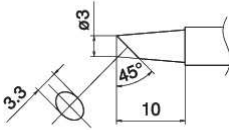
- T15-BC3 Shape-3BC



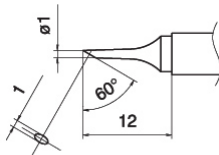
- T15-BCF1 Shape-1BC
Tinned cut surface only



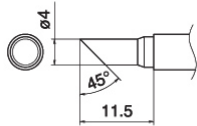
- T15-BCF2 Shape-2BC
Tinned cut surface only



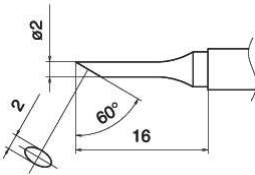
- T15-BCF3 Shape-3BC
Tinned cut surface only



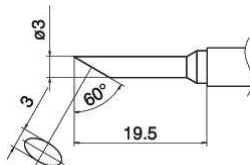
- T15-C1 Shape-1C



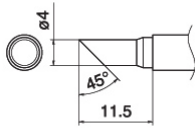
- T15-C4 Shape-4C



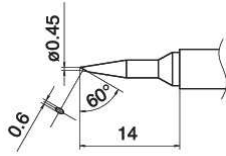
- T15-CF2 Shape-2C



- T15-CF3 Shape-3C



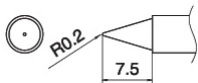
- T15-CF4 Shape-4C
Tinned cut surface only



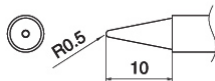
- T15-SBC04 Shape-0.4SBC

Shape B

All-round type which can be used from any direction and is easy to hold at any position.
Possible to solder any surface from small to large.



T15-B Shape-B



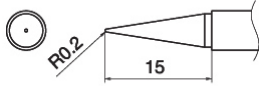
- T15-B2 Shape-0.5B



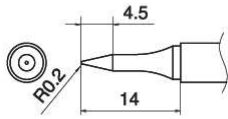
- T15-B3 Shape-0.7B



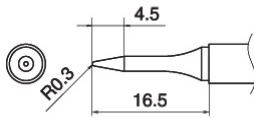
- T15-B4 Shape-0.4B



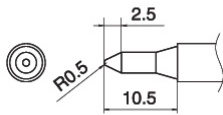
- T15-BLL Shape-BL Long



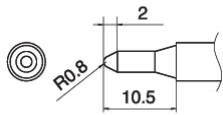
- T15-SB02 Shape-0.2SB



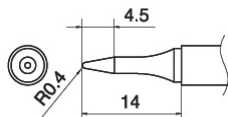
- T15-SB03 Shape-0.3SB



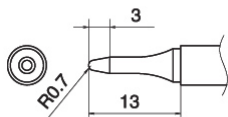
- T15-SB05 Shape-0.5SB



- T15-SB08 Shape-0.8SB



- T15-SBS04 Shape-0.4SBS

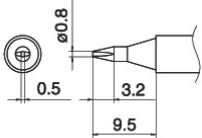


- T15-SBS07 Shape-0.7SBS

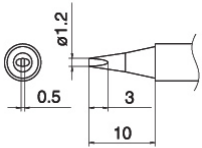
Shape D

This type has a shape like a flat-blade screwdriver and is capable of soldering by applying the tip in 2 ways: line and face.

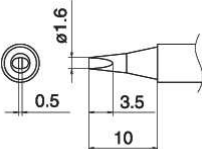
The width (size of tip) suitable for the workpiece can be selected, and it can be used for any soldering work.



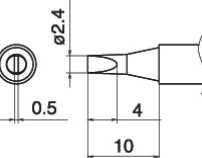
T15-D08 Shape-0.8D



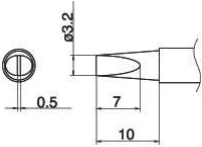
- T15-D12 Shape-1.2D



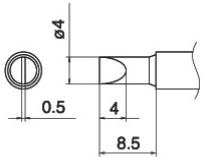
- T15-D16 Shape-1.6D



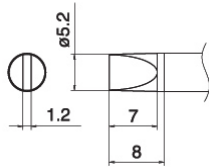
- T15-D24 Shape-2.4D



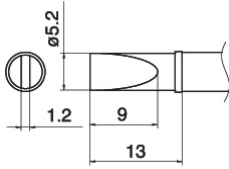
- T15-DL32 Shape-3.2D Long
Just joined as standard tip.



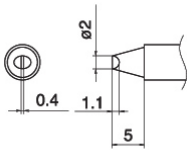
- T15-D4 Shape-4D



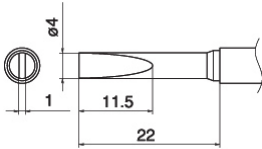
- T15-D52 Shape-5.2D



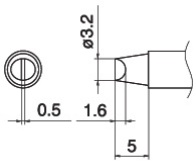
- T15-DL52 Shape-5.2D Long



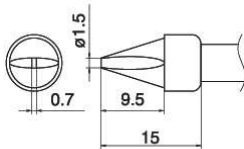
- T15-D2 Shape-2D



- T15-DL4 Shape-4D Long



- T15-D32 Shape-3.2D

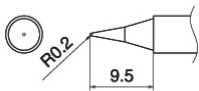


- T15-XD15 Shape-1.5XD

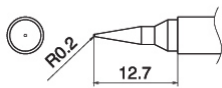
Shape I

This type has a thin conical end and is an ultrafine tip which is best suited for soldering at narrow pitches, etc.

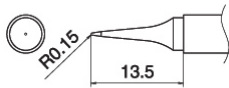
It is the best for soldering micro components such as 0603, etc. and for repairing high-density-mounting P.W.Bs. such as in cellular phones, etc.



T15-I Shape-I



- T15-IL Shape-IL

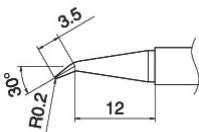


- T15-ILS Shape-ILS

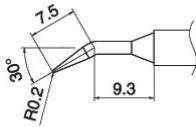
Shape J

This type differs from Shape B and I by bending the tip end and is capable of soldering by applying the tip in 2 ways: face and point.

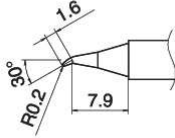
It is used for drag soldering and correction of bridging.



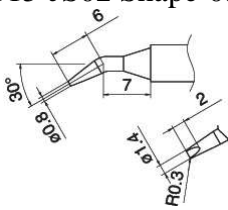
T15-J02 Shape-0.2J (Shape-0.2RSB)



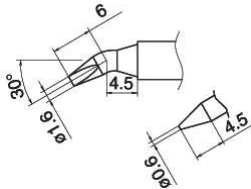
- T15-JL02 Shape-0.2JL (Shape-0.2RLB)



- T15-JS02 Shape-0.2JS (Shape-0.2RSSB)



- T15-JD14 Shape-1.4JD

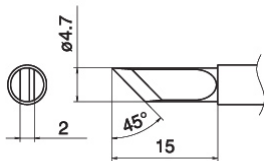


- T15-JD16 Shape-0.6JD

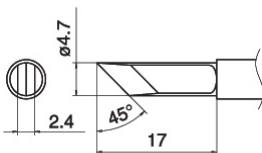
Shape K

This type has a shape like a knife and is capable of soldering by applying the tip in 3 ways: line, face and point.

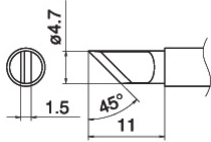
It is used for soldering at narrow pitches, correction of bridging and drag soldering.



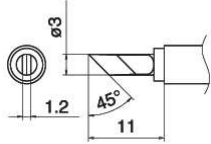
T15-K Shape-K



- T15-KF Shape-KF



- T15-KL Shape-KL
For drag soldering for left-handed.

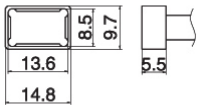


- T15-KU Shape-KU

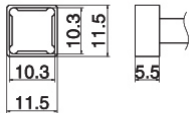
SMD Type : Shape Quad

This type is capable of heating plural pins or lead wires at once and is used for rework of SMDs.

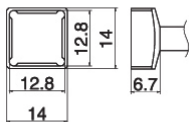
It is used for removal of QFP.



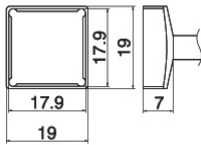
T15-1201 Quad
Size 13.6 x 8.5



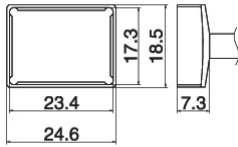
- T15-1202 Quad
Size 10.3 x 10.3



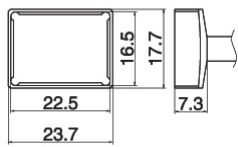
- T15-1203 Quad
Size 12.8 x 12.8



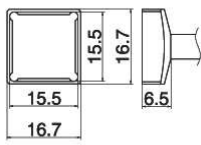
- T15-1204 Quad
Size 17.9 x 17.9



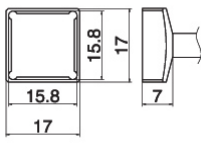
- T15-1205 Quad
Size 23.4 x 17.3



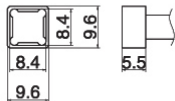
- T15-1206 Quad
Size 22.5 x 16.5



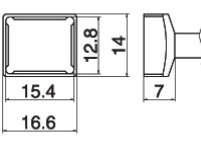
- T15-1207 Quad
Size 15.5 x 15.5



- T15-1208 Quad
Size 15.8 x 15.8



- T15-1209 Quad
Size 8.4 x 8.4

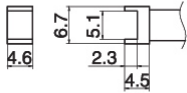


- T15-1210 Quad
Size 15.4 x 12.8

SMD Type : Shape Tunnel

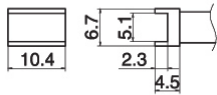
This type is capable of heating plural pins or lead wires at once and is used for rework of SMDs.

It is used for removal of SOP.

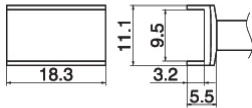


T15-1001 Tunnel

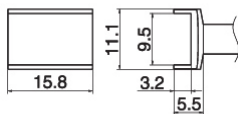
Size 5.1 x 4.6



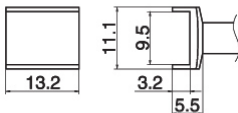
- T15-1002 Tunnel
Size 5.1 x 10.4



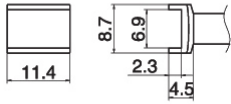
- T15-1003 Tunnel
Size 9.5 x 18.3



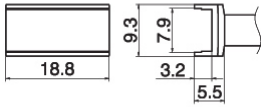
- T15-1004 Tunnel
Size 9.5 x 15.8



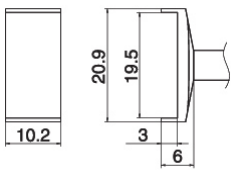
- T15-1005 Tunnel
Size 9.5 x 13.2



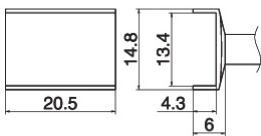
- T15-1006 Tunnel
Size 6.9 x 11.4



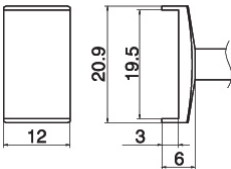
- T15-1007 Tunnel
Size 7.9 x 18.8



- T15-1008 Tunnel
Size 19.5 x 10.2



- T15-1009 Tunnel
Size 13.4 x 20.5

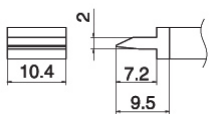


- T15-1010 Tunnel
Size 19.5 x 12

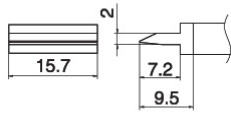
SMD Type : Shape Spatula

This type is capable of heating plural pins or lead wires at once and is used for rework of SMDs.

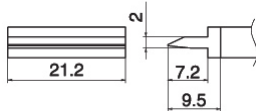
Soldering for thermal compression of flexible P.W.B., shield cases, connector, etc.



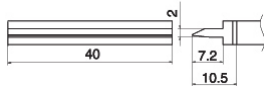
T15-1401 Spatula
Size 10.4



- T15-1402 Spatula
Size 15.7



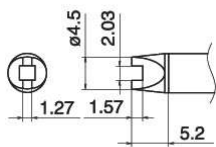
- T15-1403 Spatula
Size 21.2



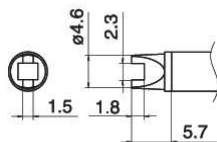
- T15-1406 Spatula
Size 40

Shape R

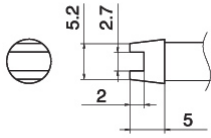
This type has a groove at the tip end.
It is suitable for removing ICs.



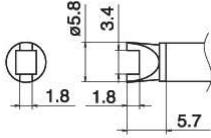
T15-R20 Shape-2.0R



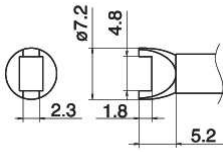
- T15-R23 Shape-2.3R



- T15-R27 Shape-2.7R



- T15-R34 Shape-3.4R



- T15-R48 Shape-4.8R