

Select Tip Shape

HAKKO Recommendations
for Selection of Tip Size

Search by Tip Shape

Search by Operation

Search by Tip Series

Soldering Irons for Micro-
soldering Applications

Home > Select Tip Shape > Search by Tip Series > T12 Series Soldering Tips

Which soldering iron tip is
the best for my application ?

Select Tip Shape



Search by Tip Shape Search by Operation T12 Series

Search by Tip Series

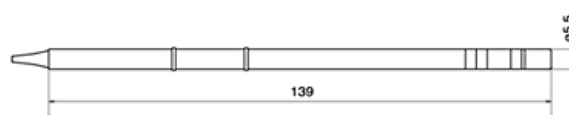
T12 Series Soldering Tips

All | [Standard Type](#) | [Long Life Type](#) | [Heavy Duty Type](#) | [SMD Type](#)

Tip image: Standard | [View larger](#)

T12 Series is available in Japan, Oceania, Asia & Other countries.

* In case of North America & EU, see "[T15 Series](#)".



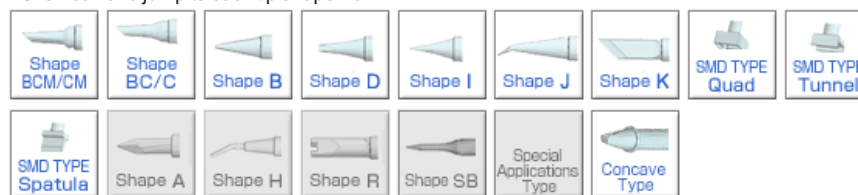
HAKKO Recommendations
for Selection of Tip Size

* T12 series is available if long nipple is attached to Soldering Iron HAKKO 912.

Please [contact us](#) at any time regarding the long nipple.

* Compatible with lead-free solder. For details, [click here](#).

* Click icon and jump to each tip shape view.



Applicable Model

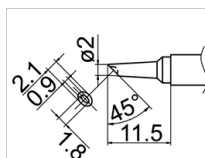
HAKKO FM-203	Handpiece : HAKKO FM-2027(70W)
HAKKO FM-204	Handpiece : HAKKO FM-2027(70W)
HAKKO FM-206	Handpiece : HAKKO FM-2027(70W)
HAKKO FX-950	Handpiece : HAKKO FM-2028(70W)
HAKKO FX-951	Handpiece : HAKKO FM-2028(70W)
HAKKO FX-952	Handpiece : HAKKO FM-2028(70W)
HAKKO FM-202 (Discontinued)	Handpiece : HAKKO FM-2027(70W) (Discontinued)

Shape BCM/CM

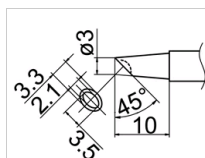
This type differs from Shape BC by the addition of a hollow to its cut face, providing high solder retention capability.

It is used for drag soldering and correction of bridging.

[How to use the Shape BCM/CM and examples](#)



T12-BCM2 Shape-2BC
Bevel with indent



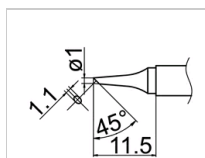
T12-BCM3 Shape-3BC
Bevel with indent

Shape BC/C

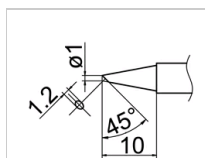
This type has a shape like a cone or column cut at a slant, which allows users to select the cut surface size depending on the workpiece.

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

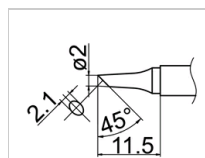
[How to use the Shape BC/C and examples](#) [Difference between BC/C and BCF/CF tip shape](#)



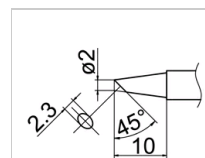
T12-BC1 Shape-1BC



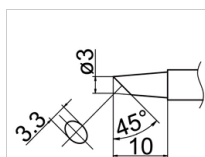
T12-BC1Z Shape-1BC(Z)
* Long Life Type



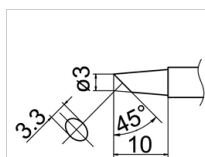
T12-BC2 Shape-2BC



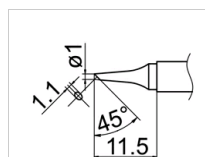
T12-BC2Z Shape-2BC(Z)
* Long Life Type



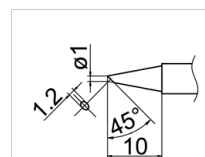
T12-BC3 Shape-3BC



T12-BC3Z Shape-3BC(Z)
* Long Life Type

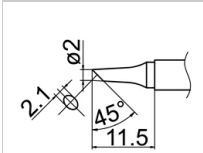


T12-BCF1 Shape-1BC
Tinned cut surface only

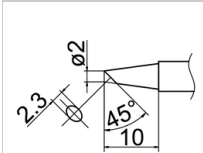


T12-BCF1Z Shape-1BC(Z)
* Long Life Type

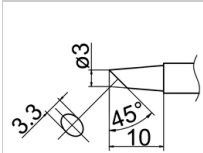
Tinned cut surface only



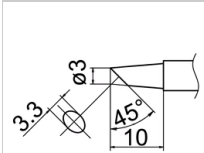
T12-BCF2 Shape-2BC
Tinned cut surface only



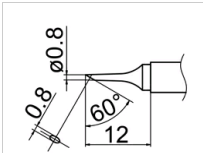
T12-BCF2Z Shape-2BC(Z)
* Long Life Type
Tinned cut surface only



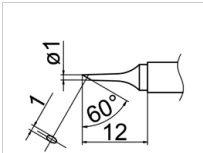
T12-BCF3 Shape-3BC
Tinned cut surface only



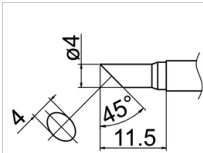
T12-BCF3Z Shape-3BC(Z)
* Long Life Type
Tinned cut surface only



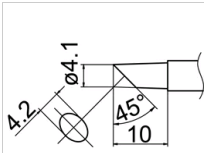
T12-C08 Shape-0.8C
For narrow pitch with tall chips
around.



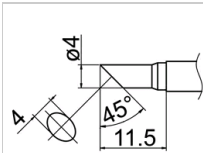
T12-C1 Shape-1C



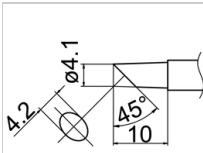
T12-C4 Shape-4C



T12-C4Z Shape-4C(Z)
* Long Life Type



T12-CF4 Shape-4C
Tinned cut surface only

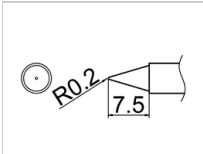


T12-CF4Z Shape-4C(Z)
* Long Life Type
Tinned cut surface only

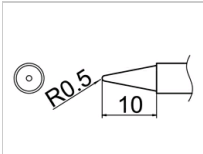
Shape B

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.

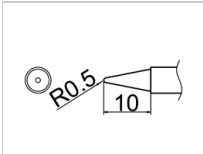
[How to use the Shape B and examples](#)



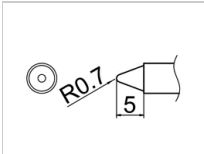
T12-B Shape-B



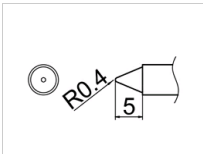
T12-B2 Shape-0.5B



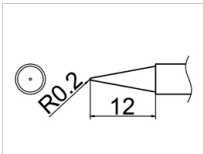
T12-B2Z Shape-0.5B(Z)
* Long Life Type



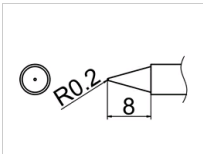
T12-B3 Shape-0.7B



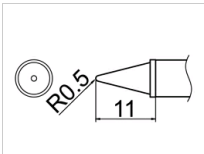
T12-B4 Shape-0.4B



T12-BL Shape-BL



T12-BZ Shape-B(Z)
* Long Life Type



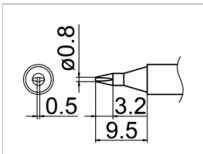
T12-WB2 Shape-0.5WB
* Heavy Duty Type

Shape D

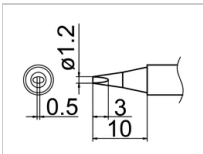
This type has a shape like a flat-blade screwdriver and is capable of soldering by applying the tip in 2 ways:
line and face.

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

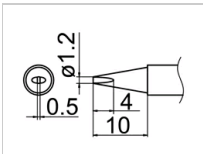
[How to use the Shape D and examples](#)



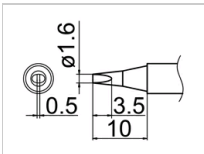
T12-D08 Shape-0.8D



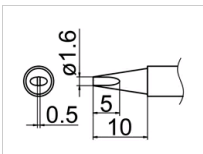
T12-D12 Shape-1.2D



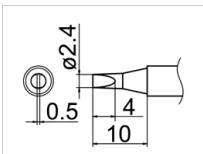
T12-D12Z Shape-1.2D(Z)
* Long Life Type



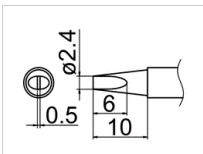
T12-D16 Shape-1.6D



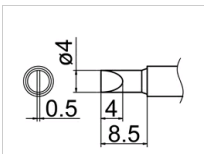
T12-D16Z Shape-1.6D(Z)
* Long Life Type



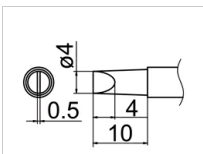
T12-D24 Shape-2.4D



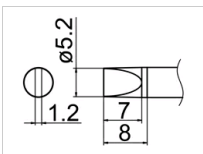
T12-D24Z Shape-2.4D(Z)
* Long Life Type



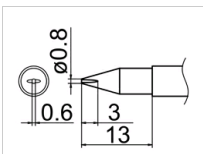
T12-D4 Shape-4D



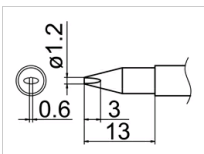
T12-D4Z Shape-4D(Z)
* Long Life Type



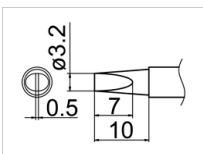
T12-D52 Shape-5.2D



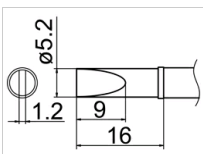
T12-DL08 Shape-0.8DL



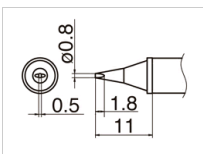
T12-DL12 Shape-1.2DL



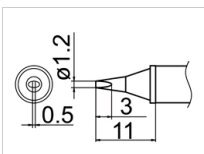
T12-DL32 Shape-3.2DL



T12-DL52 Shape-5.2DL



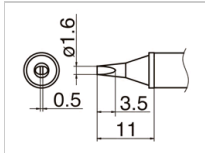
T12-WD08 Shape-0.8WD



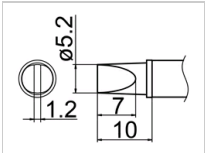
T12-WD12 Shape-1.2WD

* Heavy Duty Type

* Heavy Duty Type



T12-WD16 Shape-1.6WD
* Heavy Duty Type

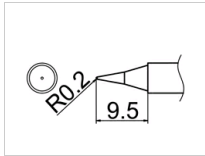


T12-WD52 Shape-5.2WD
* Heavy Duty Type

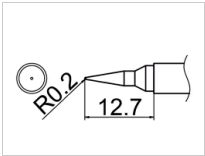
Shape I

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.

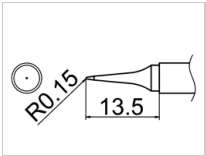
[How to use the Shape I and examples](#)



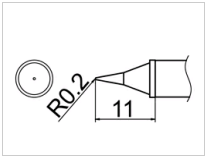
T12-I Shape-I



T12-IL Shape-IL



T12-ILS Shape-ILS



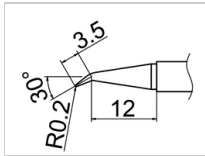
T12-WI Shape-WI
* Heavy Duty Type

Shape J

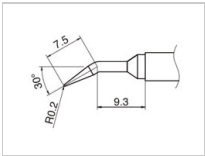
This type differs from Shape B and I by bending the tip end and is capable of soldering by applying the tip in 2 ways: face and point.

It is used for drag soldering and correction of bridging.

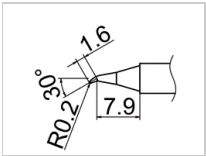
[How to use the Shape J and examples](#)



T12-J02 Shape-0.2J



T12-JL02 Shape-0.2JL



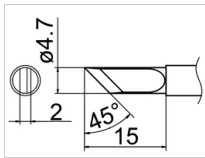
T12-JS02 Shape-0.2JS

Shape K

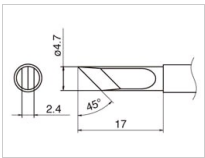
This type has a shape like a knife and is capable of soldering by applying the tip in 3 ways: line, face and point.

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

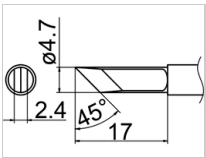
[How to use the Shape K and examples](#)



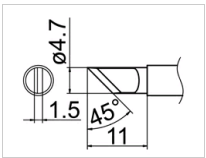
T12-K Shape-K



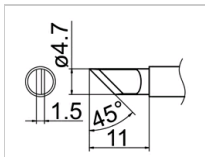
T12-KF Shape-KF



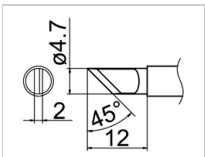
T12-KFZ Shape-KF(Z)
* Long Life Type



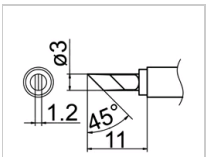
T12-KL Shape-KL
For drag soldering for left-handed.



T12-KR Shape-KR
For drag soldering for right-handed.



T12-KRZ Shape-KR(Z)
* Long Life Type



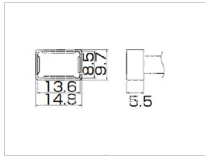
T12-KU Shape-KU

SMD Type : Shape Quad

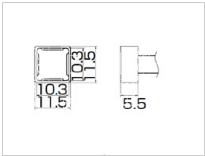
This type is capable of heating plural pins or lead wires at once and is used for rework of SMDs.

It is used for removal of QFP.

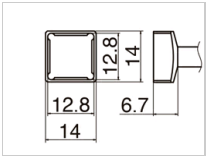
[How to use the SMD Type : Shape Quad and examples](#)



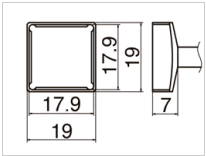
T12-1201 Quad
Size 13.6 x 8.5



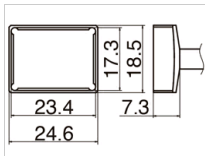
T12-1202 Quad
Size 10.3 x 10.3



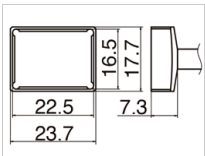
T12-1203 Quad
Size 12.8 x 12.8



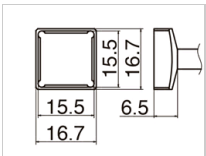
T12-1204 Quad
Size 17.9 x 17.9



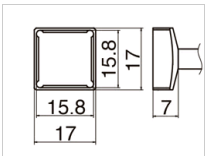
T12-1205 Quad
Size 23.4 x 17.3



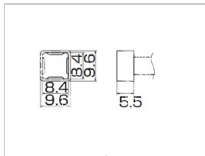
T12-1206 Quad
Size 22.5 x 16.5



T12-1207 Quad
Size 15.5 x 15.5



T12-1208 Quad
Size 15.8 x 15.8

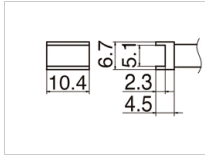


T12-1209 Quad
Size 8.4 x 8.4

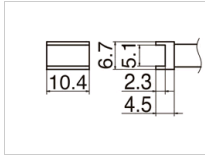
SMD Type : Shape Tunnel

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.

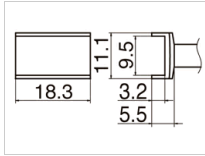
➤ [How to use the SMD Type : Shape Tunnel and examples](#)



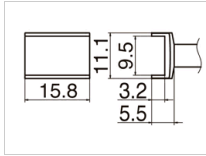
T12-1001 Tunnel
Size 5.1 x 4.6



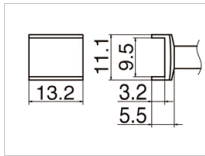
T12-1002 Tunnel
Size 5.1 x 10.4



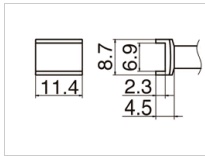
T12-1003 Tunnel
Size 9.5 x 18.3



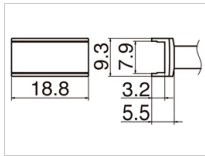
T12-1004 Tunnel
Size 9.5 x 15.8



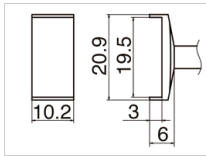
T12-1005 Tunnel
Size 5.1 x 13.2



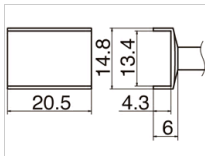
T12-1006 Tunnel
Size 6.9 x 11.4



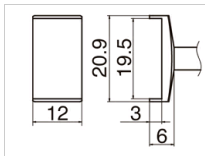
T12-1007 Tunnel
Size 7.9 x 18.8



T12-1008 Tunnel
Size 19.5 x 10.2



T12-1009 Tunnel
Size 13.4 x 20.5

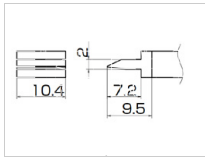


T12-1010 Tunnel
Size 19.5 x 12

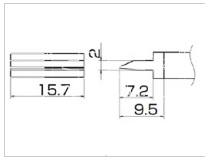
SMD Type : Shape Spatula

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.

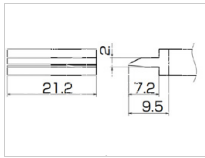
➤ [How to use the SMD Type : Shape Spatula and examples](#)



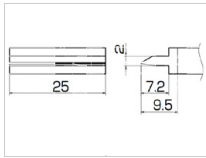
T12-1401 Spatula
Size 10.4



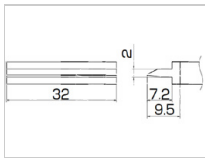
T12-1402 Spatula
Size 15.7



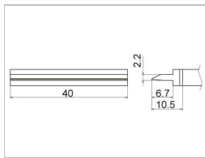
T12-1403 Spatula
Size 21.2



T12-1404 Spatula
Size 25



T12-1405 Spatula
Size 32

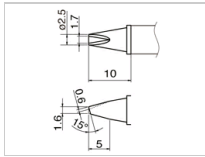


T12-1406 Spatula
Size 40

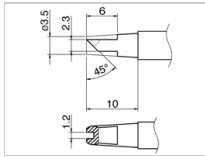
Shape Concave

This type has a concave (or V-groove) at the end.
It provides excellent heat supply to solder joint and ensures sufficient solder flow-up.

➤ [How to use the Shape Concave and examples](#)



T12-1610 Concave



T12-1612 Concave