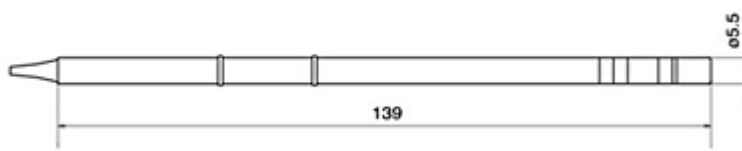


## T12 Series Soldering Tips

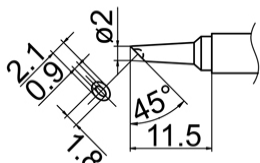
T12 Series is available in Japan, Oceania, Asia & Other countries.

\* In case of North America & EU, see "T15 Series".

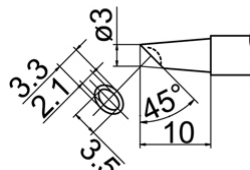


### Shape BCM/CM

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.



T12-BCM2 Shape-2BC Bevel with indent

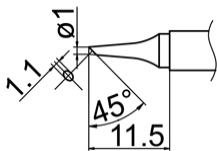


T12-BCM3 Shape-3BC Bevel with indent

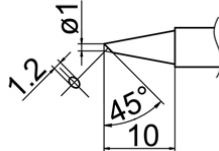
### Shape BC/C

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.

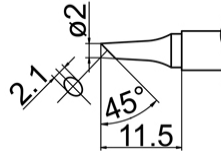
It is used for drag soldering and pre-tinning of lead wires.



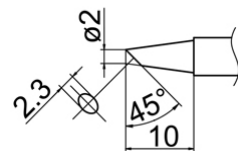
T12-BC1 Shape-1BC



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

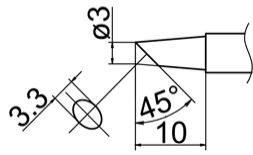


T12-BC2 Shape-2BC

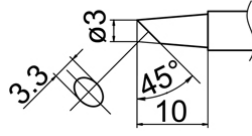


T12-BC2Z Shape-2BC(Z)  
\* Long Life Type

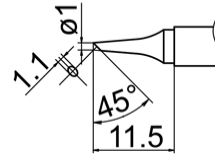
## T12 SERIES SOLDERING TIPS



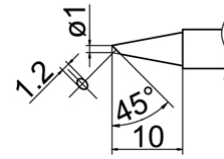
T12-BC3 Shape-3BC



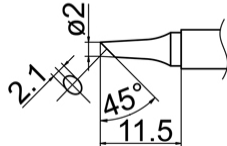
T12-BC3Z Shape-3BC(Z)  
\* Long Life Type



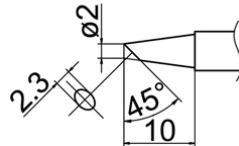
T12-BCF1 Shape-1BC  
Tinned cut surface only



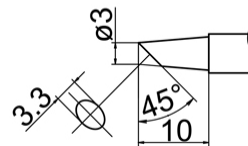
T12-BCF1Z Shape-1BC(Z)  
\* Long Life Type  
Tinned cut surface only



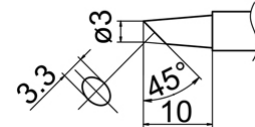
T12-BCF2 Shape-2BC  
Tinned cut surface only



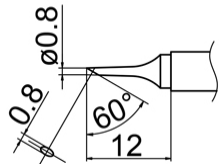
T12-BCF2Z Shape-2BC(Z)  
\* Long Life Type  
Tinned cut surface only



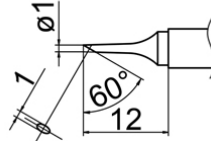
T12-BCF3 Shape-3BC  
Tinned cut surface only



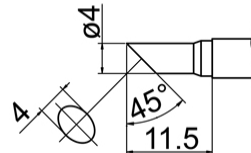
T12-BCF3Z Shape-3BC(Z)  
\* Long Life Type  
Tinned cut surface only



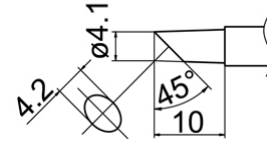
T12-C08 Shape-0.8C  
For narrow pitch with tall chips around.



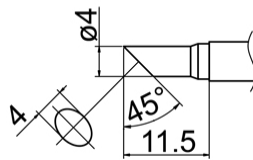
T12-C1 Shape-1C



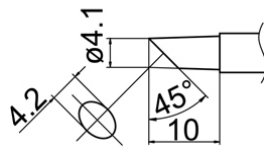
T12-C4 Shape-4C



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



T12-CF4 Shape-4C  
Tinned cut surface only

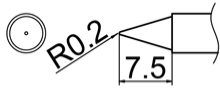


T12-CF4Z Shape-4C(Z)  
\* Long Life Type  
Tinned cut surface only

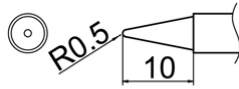
## Shape B

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.

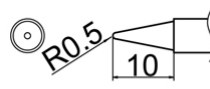
## T12 SERIES SOLDERING TIPS



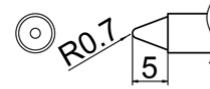
T12-B Shape-B



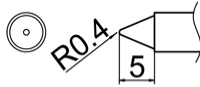
T12-B2 Shape-0.5B



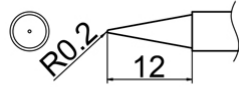
T12-B2Z Shape-0.5B(Z)  
\* Long Life Type



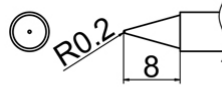
T12-B3 Shape-0.7B



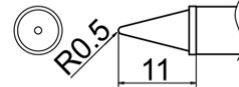
T12-B4 Shape-0.4B



T12-BL Shape-BL



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

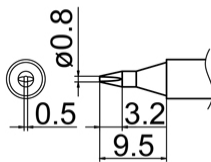


T12-WB2 Shape-0.5WB  
\* Heavy Duty Type

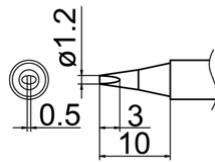
## Shape D

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.

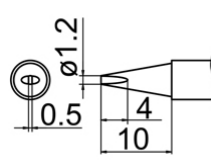
The width (size of tip) suitable for the workpiece can be selected, and it can be used for any soldering work.



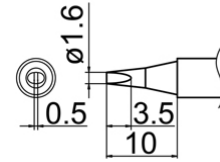
T12-D08 Shape-0.8D



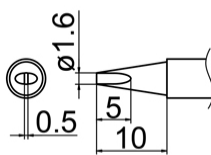
T12-D12 Shape-1.2D



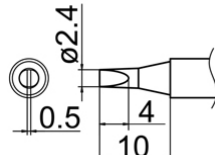
T12-D12Z Shape-1.2D(Z)  
\* Long Life Type



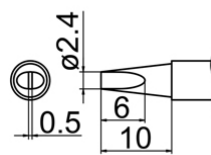
T12-D16 Shape-1.6D



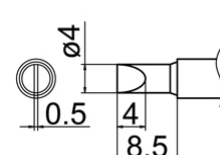
T12-D16Z Shape-1.6D(Z)  
\* Long Life Type



T12-D24 Shape-2.4D

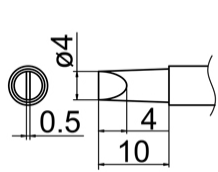


T12-D24Z Shape-2.4D(Z)  
\* Long Life Type

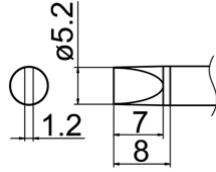


T12-D4 Shape-4D

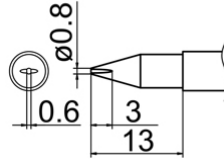
## T12 SERIES SOLDERING TIPS



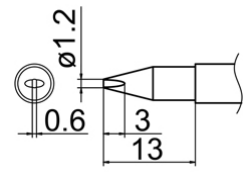
T12-D4Z Shape-4D(Z)  
\* Long Life Type



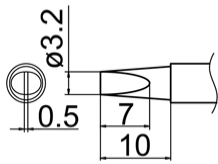
T12-D52 Shape-5.2D



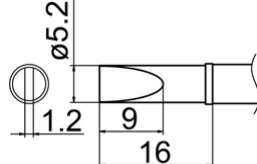
T12-DL08 Shape-0.8DL



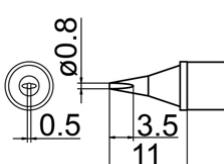
T12-DL12 Shape-1.2DL



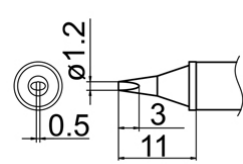
T12-DL32 Shape-3.2DL



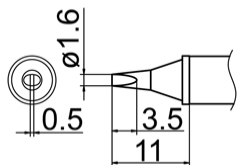
T12-DL52 Shape-5.2DL



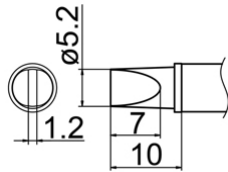
T12-WD08 Shape-0.8WD  
\* Heavy Duty Type



T12-WD12 Shape-1.2WD  
\* Heavy Duty Type



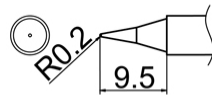
T12-WD16 Shape-1.6WD  
\* Heavy Duty Type



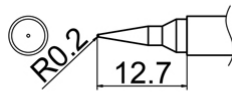
T12-WD52 Shape-5.2WD  
\* Heavy Duty Type

## Shape I

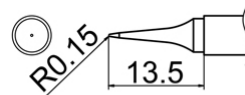
This type has a thin conical end and is an ultrafine tip which is best suited for soldering at narrow pitches, etc. It is the best for soldering micro components such as 0603, etc. and for repairing high-density-mounting P.W.Bs. such as in cellular phones, etc.



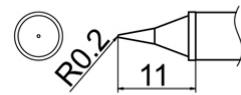
T12-I Shape-I



T12-IL Shape-IL



T12-ILS Shape-ILS



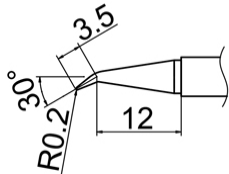
T12-WI Shape-WI  
\* Heavy Duty Type

## Shape J

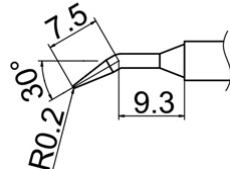
## T12 SERIES SOLDERING TIPS

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.

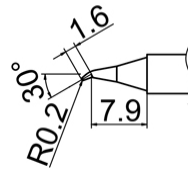
It is used for drag soldering and correction of bridging.



T12-J02 Shape-0.2J



T12-JL02 Shape-0.2JL

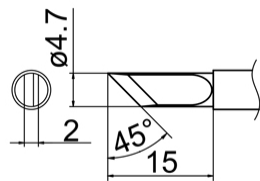


T12-JS02 Shape-0.2JS

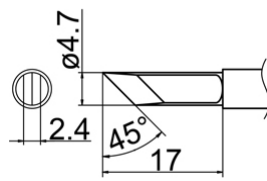
## Shape K

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

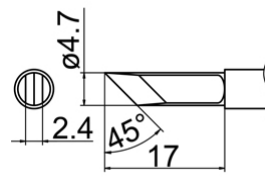
It is used for soldering at narrow pitches, correction of bridging and drag soldering.



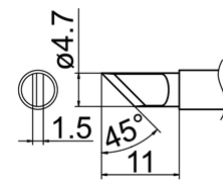
T12-K Shape-K



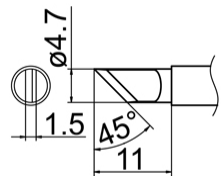
T12-KF Shape-KF



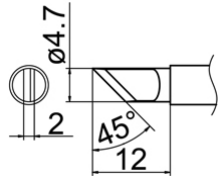
T12-KFZ Shape-KF(Z)  
\* Long Life Type



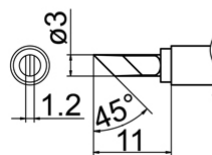
T12-KL Shape-KL  
For drag soldering for left-handed.



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



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



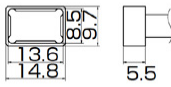
T12-KU Shape-KU

## SMD Type: Shape Quad

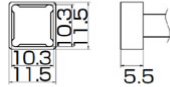
This type is capable of heating plural pins or lead wires at once and is used for rework of SMDs.

It is used for removal of QFP.

## T12 SERIES SOLDERING TIPS



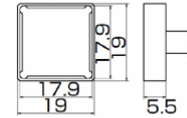
**T12-1201 Quad**  
Size 13.6 x 8.5



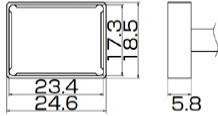
**T12-1202 Quad**  
Size 10.3 x 10.3



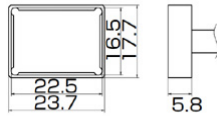
**T12-1203 Quad**  
Size 12.8 x 12.8



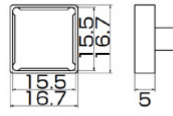
**T12-1204 Quad**  
Size 17.9 x 17.9



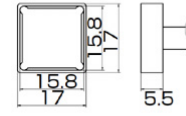
**T12-1205 Quad**  
Size 23.4 x 17.3



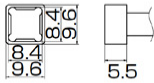
**T12-1206 Quad**  
Size 22.5 x 16.5



**T12-1207 Quad**  
Size 15.5 x 15.5



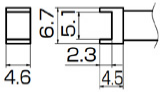
**T12-1208 Quad**  
Size 15.8 x 15.8



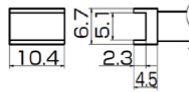
**T12-1209 Quad**  
Size 8.4 x 8.4

## SMD Type: Shape Tunnel

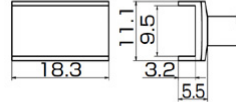
This type is capable of heating plural pins or lead wires at once and is used for rework of SMDs.  
It is used for removal of SOP.



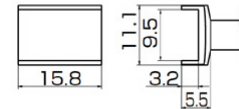
**T12-1001 Tunnel**  
Size 5.1 x 4.6



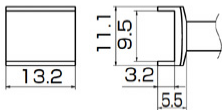
**T12-1002 Tunnel**  
Size 5.1 x 10.4



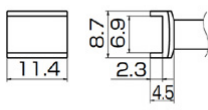
**T12-1003 Tunnel**  
Size 9.5 x 18.3



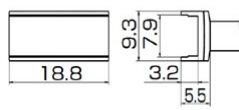
**T12-1004 Tunnel**  
Size 9.5 x 15.8



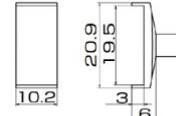
**T12-1005 Tunnel**  
Size 9.5 x 13.2



**T12-1006 Tunnel**  
Size 6.9 x 11.4

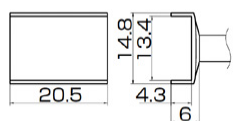


**T12-1007 Tunnel**  
Size 7.9 x 18.8

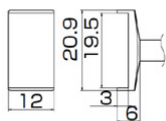


**T12-1008 Tunnel**  
Size 19.5 x 10.2

## T12 SERIES SOLDERING TIPS



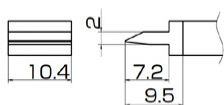
T12-1009 Tunnel  
Size 13.4 x 20.5



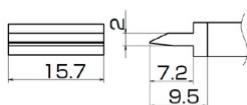
T12-1010 Tunnel  
Size 19.5 x 12

### SMD Type: Shape Spatula

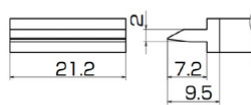
This type is capable of heating plural pins or lead wires at once and is used for rework of SMDs.  
Soldering for thermal compression of flexible P.W.B., shield cases, connector, etc.



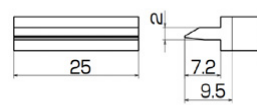
T12-1401 Spatula  
Size 10.4



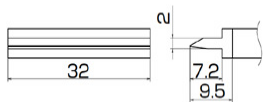
T12-1402 Spatula  
Size 15.7



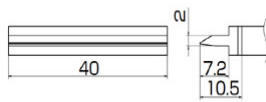
T12-1403 Spatula  
Size 21.2



T12-1404 Spatula  
Size 25



T12-1405 Spatula  
Size 32



T12-1406 Spatula  
Size 40