

**JBC**

The Soldering Co.



# Cartridge Guide for Automated Processes

The best soldering technology applied to automation

## A global organization at your service

JBC is a global company with a distributor network spanning 5 continents that guarantees a solid commercial organization with quick and efficient service.

## The power of experience

More than 90 years of experience have placed JBC at the technological forefront of tools for soldering and rework operations in electronics. Innovation, efficiency and reliability are the key features of a wide range of products which have been designed to satisfy the most demanding requirements of professionals.

## High technology, superior quality

Product perfection is one of the main objectives of JBC's improvement and development program. The R&D department has created the most innovative soldering technologies, which JBC is proud to present in this catalogue.

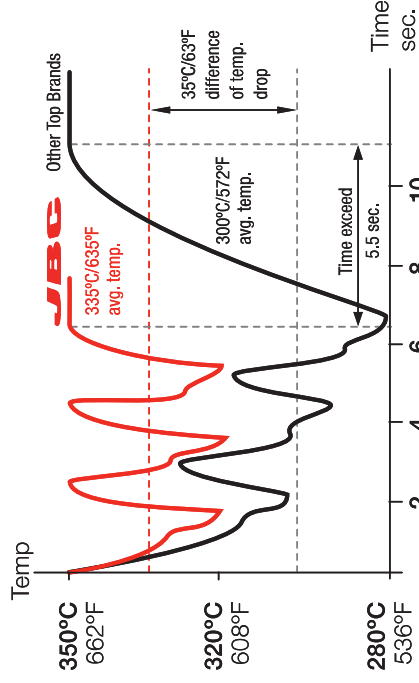
# The Most Efficient Soldering System

## JBC Exclusive Heating System

JBC **HA Soldering Unit** works with JBC Exclusive Heating System, which recovers tip temperature extremely quickly. This increases work efficiency and allows the user to work with lower temperatures.

## Efficient Temperature Control

Comparative process of 3 solder joints



Tips with JBC technology only drop 30°C (54°F) where others drop as much as 70°C (126°F)

## Cartridges with extended tip life

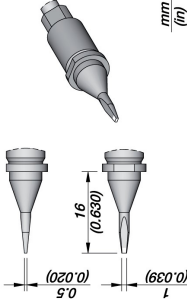
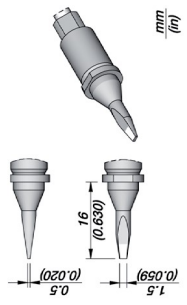
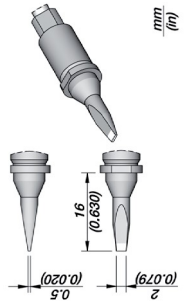
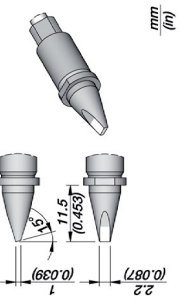
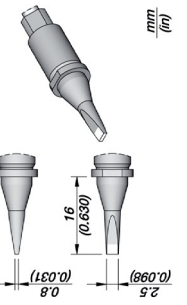
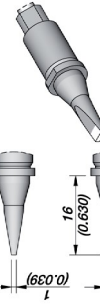
The essential part of the soldering iron is the tip so JBC has **over 50 models of cartridges** of different shapes and sizes for automation.

We offer the possibility to **manufacture your special tip geometry**. Do not hesitate to ask for: [customtips@jbctools.com](mailto:customtips@jbctools.com).



## R245 Cartridge Range for TRA245 and TR245 Automated Processes

## R245 Cartridge Range for TRA245 and TR245 Auto

Ref.	Description	Image and dimensions	Suggested components	Compatible with
<b>R245016</b>	Cartridge Chisel 1 x 0.5 mm 0.039 x 0.020 in		General use	Soldering Unit: HA245 Cartridge Stand: CS2R245
<b>R245017</b>	Cartridge Chisel 1.5 x 0.5 mm 0.059 x 0.020 in		General use	Soldering Unit: HA245 Cartridge Stand: CS2R245
<b>R245018</b>	Cartridge Chisel 2 x 0.5 mm 0.079 x 0.020 in		General use	Soldering Unit: HA245 Cartridge Stand: CS2R245
<b>R245008</b>	Cartridge Chisel 2.2 x 1 mm S1 0.087 x 0.039 in		General use	Soldering Unit: HA245 Cartridge Stand: CS2R245
<b>R245019</b>	Cartridge Chisel 2.5 x 0.8 mm 0.098 x 0.031 in		General use	Soldering Unit: HA245 Cartridge Stand: CS2R245
<b>R245020</b>	Cartridge Chisel 3 x 1 mm S1 0.118 x 0.039 in		General use	Soldering Unit: HA245 Cartridge Stand: CS2R245

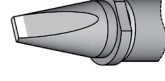
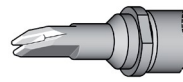
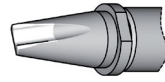
Ref.	Description
<b>R245022</b>	Cartridge Grooved Chisel 1 x 0.4 mm 0.039 x 0.016 in
<b>R245023</b>	Cartridge Grooved Chisel 1.3 x 0.5 mm 0.051 x 0.197 in
<b>R245024</b>	Cartridge Grooved Chisel 2 x 0.8 mm 0.079 x 0.031 in
<b>R245025</b>	Cartridge Grooved Chisel 4 x 1 mm 0.157 x 0.039 in
<b>R245009</b>	Cartridge Pin / Connector Ø 0.8 mm S1 Ø 0.031 in
<b>R245028</b>	Cartridge Pin / Connector Ø 1 mm

## R470 Cartridge Range

for TRA470 and TR470 Automated

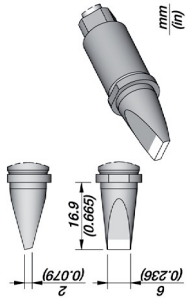
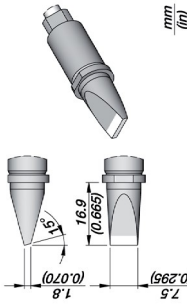
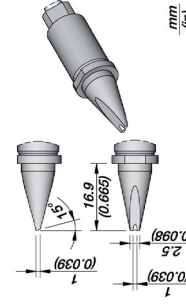
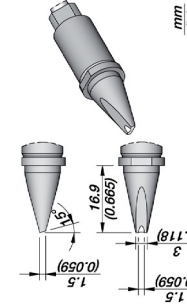
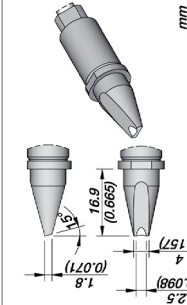
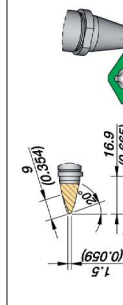
## R245 Cartridge Range for TRA245 and TR245 Automated Processes

Ref.	Description	Image and dimensions	Suggested components	Compatible with
<b>R245012</b>	Cartridge Pin / Connector Ø 3.5 mm S1 Ø 0.138 in		Through-hole Cable soldering	Soldering Unit: HA245 Cartridge Stand: CS2R245
<b>R245015</b>	Cartridge Pin / Connector Ø 1 mm Ø 0.039 in		Through-hole Cable soldering	Soldering Unit: HA245 Cartridge Stand: CS2R245
<b>R245026</b>	Cartridge Drag 0.75 mm 0.029 in		Drag soldering	Soldering Unit: HA245 Cartridge Stand: CS2R245
<b>R245027</b>	Cartridge Drag Ø 1 mm Ø 0.039 in		Drag soldering	Soldering Unit: HA245 Cartridge Stand: CS2R245
<b>R245029</b>	Cartridge Drag 1.25 mm S1 0.049 in		Drag soldering	Soldering Unit: HA245 Cartridge Stand: CS2R245

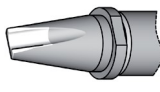

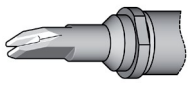


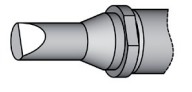


Ref.	Description
<b>R470019</b>	Cartridge Chisel 1.5 x 1 mm S1 0.059 x 0.039 in
<b>R470020</b>	Cartridge Chisel 2 x 1 mm S1 0.078 x 0.039 in
<b>R470021</b>	Cartridge Chisel 2.5 x 1 mm S1 0.098 x 0.039 in
<b>R470029</b>	Cartridge Chisel 2.7 x 1 mm 0.098 x 0.039 in
<b>R470034</b>	Cartridge Chisel 3 x 1.2 mm 0.118 x 0.047 in
<b>R470022</b>	Cartridge Chisel 4 x 1.5 mm S1 0.157 x 0.059 in

**R470 Cartridge Range for TRA470 and TR470 Automated Processes**

Ref.	Description	Image and dimensions	Suggested components	Compatible with
<b>R470035</b>	Cartridge Chisel 6 x 2 mm 0.236 x 0.079 in		General use	Soldering Unit: HA470 Cartridge Stand: CS2R470
<b>R470025</b>	Cartridge Chisel 7.5 x 1.8 mm S1 0.295 x 0.070 in		General use	Soldering Unit: HA470 Cartridge Stand: CS2R470
<b>R470042</b>	Cartridge Grooved Chisel 2.5 x 1 mm 0.098 x 0.039 in		General use	Soldering Unit: HA470 Cartridge Stand: CS2R470
<b>R470043</b>	Cartridge Grooved Chisel 3 x 1.5 mm 0.118 x 0.059 in		General use	Soldering Unit: HA470 Cartridge Stand: CS2R470
<b>R470044</b>	Cartridge Grooved Chisel 4 x 1.8 mm 0.157 x 0.071 in		General use	Soldering Unit: HA470 Cartridge Stand: CS2R470
<b>R470041</b>	Cartridge Pin / Connector		Through-hole	Soldering Unit: HA470

**R470 Cartridge Range for TRA470 and TR470 Auto**

Ref.	Description	Image
<b>R470028</b>	Cartridge Pin / Connector Ø 3.8 mm Ø 0.150 in	
<b>R470032</b>	Cartridge Pin / Connector Ø 4 mm Ø 0.157 in	
<b>R470045</b>	Cartridge Drag 0.75 mm S2 0.029 in	
<b>R470036</b>	Cartridge Drag 1 mm 0.039 in	
<b>R470046</b>	Cartridge Drag 1.3 mm S2 0.051 in	
<b>R470037</b>	Cartridge Bevel Ø 3 mm Ø 0.118 in	



**ESD** safe



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