



TS-BC2

Replacement soldering tip
for Miniware TS100 and TS101 soldering irons



The tip heats up to soldering temperature during operation. Do not touch it and let it cool down completely before replacing it.

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1. Product description

1.1 Intended use

TS-BC2 is a replacement soldering tip made by Miniware for the **TS100** and **TS101** soldering irons. It is not just a slip-on tip: the tip and the heating element form a single unit, with the heating core located directly inside the tip (internal heating). Replacing the tip therefore also replaces the heating element of the iron.

The letters **BC** denote a bevel-cut tip – the working face is cut at an angle of 45°. The flat bevelled face transfers heat to a larger area of the joint, which makes the tip suitable for soldering wires to pads, connectors and other joints that need more heat, as well as for tinning pads and wires.



TS-BC2 soldering tip

1.2 Specifications and package contents

Product designation	TS-BC2
Tip shape	BC – 45° bevel
Total length	approx. 106 mm
Weight	10.5 g
Design	tip with integrated heating element (internal heating)
Compatibility	Miniware TS100 and TS101 soldering irons
Manufacturer	Miniware (Guangzhou e-Design Intelligent Technology Co., Ltd.)
Package contents	1× TS-BC2 soldering tip
Not included	soldering iron, power supply, stand, cleaning sponge and solder

2. Use

2.1 Safety instructions

- During operation the tip heats up to soldering temperature and can cause serious burns. Do not touch the metal parts of the tip during operation or shortly after switching the iron off.
- Put a switched-on iron down only in a stand or on a non-flammable surface and never leave it unattended. Keep flammable materials away from the tip.
- Solder in a well-ventilated area and do not inhale flux fumes. Wear safety glasses – molten solder and flux can spatter.
- Do not eat or drink while working. Wash your hands after work, especially when using solder containing lead.
- Use the tip only in TS100 and TS101 soldering irons. Do not modify the tip. Do not use a mechanically damaged tip (cracked insulation of the contact end, bent shaft).
- Keep the product out of the reach of children.
- When using and disposing of the product, observe the regulations of the country in which you use it – the law of the country of use always prevails.

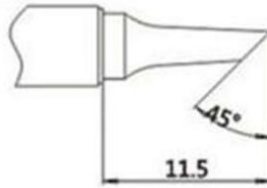
2.2 Replacing the tip

- ① Switch the soldering iron off, disconnect it from the power supply and let the tip cool down completely.
- ② Release the tip fastening in the handle as described in the manual of your iron and pull the old tip straight out of the handle, without twisting or bending it.
- ③ Insert the new TS-BC2 tip into the handle with its rear end (white insulation with metal contacts) as far as it will go and secure the fastening again.
- ④ Connect the iron to the power supply, switch it on and check that the tip heats up. Tin the new tip before soldering for the first time (Chapter 2.4).

❖ Replace the tip only when the iron is switched off, disconnected and cooled down. Keep the contact end of the tip clean and dry.

2.3 Soldering with the BC2 tip

- Apply the bevelled face of the tip to the joint with as much contact area as possible – this transfers heat into the joint fastest.
- Feed the solder into the heated joint, not just onto the tip. Let the joint solidify without moving it.
- Set the iron only to the temperature required by the solder and the joint. An unnecessarily high temperature shortens the life of the tip and burns off the flux faster.



*Bevel shape of the tip
(dimension in mm)*

2.4 Tip care and storage

- Tin a new tip after it first heats up – apply a little solder to the working face.
- While working, wipe the tip regularly on a damp cleaning sponge or brass wool.
- Before putting the iron down and switching it off, leave a thin layer of solder on the tip – it protects the surface from oxidation.
- Do not grind, file or scrape the tip with sharp tools – this damages its surface coating.
- Clean a blackened (oxidised) tip that no longer accepts solder with brass wool or a tip tinner/refreshers and tin it again.
- Store the tip in a dry place and protect its contact end from dirt and mechanical damage.

3. Information for the EU and Czech Market

3.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.com

3.2 Disposal of electrical equipment



- The crossed-out wheeled bin symbol on the product, its packaging or in the documentation means that at the end of its service life the product **must not be disposed of together with mixed municipal waste.**
- Hand it over at a take-back point for electrical equipment – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.
- The obligations under Act No. 542/2020 Coll., on end-of-life products, are fulfilled by the importer through a collective take-back system.
- Proper disposal helps prevent negative impacts on the environment and human health and contributes to the reuse of secondary raw materials.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also <https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu>.

4. Warranty and rights arising from defective performance

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 3.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.