

# 2 IN 1 SOLDERING IRON & GAS TORCH

**78772**

# COMPACT GAS TORCH

**78776**

## 1. Specification

Stock No.	78772	78776
Part No.	GT6	GT10
Fuel type	Butane	Butane
Fuel capacity	15ml	15ml
Approx. temperature	200–400°C	1,300°C
Operating time (one gas filling)	50 mins approx. at low setting	50 mins approx. at low setting
Dimensions	W 53 × H 185 × D 150mm	W 53 × H 175 × D 100mm
Net Weight	170g	160g

## 2. Health and Safety Warnings

- Observe all standard safety precautions and good practices when working with naked flames, solder and flammable fuels.
- Keep the work environment clear and well-lit, with bystanders at a safe distance.
- Keep this product out of reach of children at all times.
- ALWAYS** wear appropriate eye and face protection and protective gloves when using this product.
  - Take additional precautions when using chemicals like flux or solder paste; refer to the manufacturer instructions for safe use.
- Check the torch for damaged, clogged or corroded parts and leaks before every use.
  - DO NOT** use the product if it is damaged or leaking in any way; contact Draper Tools for repair and replacement options.
  - If you suspect that the product is leaking gas, move it to an external environment immediately.  
**Important:** The product can be tested for leaks by dabbing soapy water solution on joints and connections while gas is added to or stored in the product. Leaks will create a steady feed of soapy bubbles at the breach point.

- Use **ONLY** in well-ventilated environments.
- DO NOT** use this product in environments where paint fumes, solvents and other flammable materials are present.
- Use only good quality butane gas.



**WARNING! Butane gas is highly flammable; handle it carefully and in accordance with the instructions on the canister.**

- During first use, allow a few minutes for the product to settle once ignited before directing it towards the workpiece.



**WARNING! The metal parts of the torch become very hot during use. DO NOT touch the barrel, soldering tip or workpiece until they have cooled thoroughly.**



**WARNING! NEVER direct the product towards skin, clothing or other flammable materials, or look directly down the barrel.**

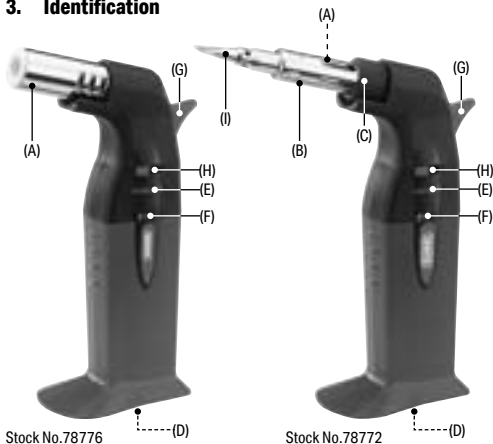
- **DO NOT** use this product to light cigarettes or pipes.
- To prevent damage caused by reflected heat, avoid directing this product directly downwards when used as a torch.
- **DO NOT** leave the product running while unattended.
- **DO NOT** expose the product to temperatures above 49°C (120°F) or to prolonged periods of sunlight.
- **ALWAYS** switch off the product while it is not in use and move the flame adjustment dial to its lowest position.
- After each use, ensure that the flame is **fully extinguished** and the product has completely cooled before storing.

- Stand the product upright while it is not in use.
  - **NEVER** place the torch onto flammable substances.
- **DO NOT** attempt to disassemble or modify this tool in any way.
- **ALWAYS** refuel outside.
- **NEVER** smoke while refuelling.



**WARNING!** This product is not insulated against electricity. **NEVER** use this product on workpieces that are connected to electrical power.

### 3. Identification



- A. Barrel
- B. Barrel guard
- C. Barrel locking nut
- D. Filling valve
- E. Flame adjustment dial
- F. Fuel level window
- G. Ignition button
- H. On/off lever
- I. Soldering tip

### 4. Refuelling



**WARNING!** Before filling the product, **ALWAYS** ensure that both the on/off lever and the flame adjustment dial are in their lowest positions. **ONLY** use butane gas to fuel the product.

**Important:** This product is not shipped with butane gas and **MUST** be fuelled before use.

1. Turn the torch upside-down and push the butane can nozzle firmly into the filling valve (D).
2. Filling begins automatically and takes only a few seconds.

3. The fuel level can be viewed through the window (F) beneath the on/off lever (H).
4. Allow a few minutes after filling for the gas in the product to stabilise.



**WARNING!** Allow escaped gas to disperse before lighting the torch. **NEVER** light the product while a gas canister is inserted into the filling valve.

## 5. Installing and Removing the Soldering Tip

**Important:** These instructions apply to 78772 only.

The product is supplied with a removable soldering tip (I), allowing it to be operated as a gas torch or a soldering iron.

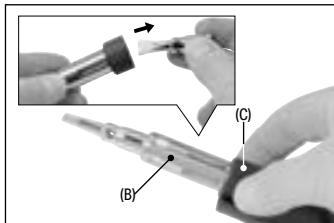


Fig. 1

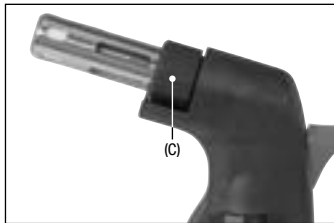


Fig. 2

To use the tool as a gas torch, remove the soldering tip:

1. Loosen the barrel locking nut (C) and slide the components off the barrel.
2. Push the soldering tip inwards and remove it, keeping the barrel guard (B) in place.
3. Screw the locking nut and barrel guard back onto the barrel, ensuring a secure fit.



**WARNING! DO NOT operate the product without the barrel guard in place.**

To use the tool as a soldering iron, install the soldering tip:

1. Loosen the barrel locking nut (C) and slide the barrel guard (B) off the barrel.
2. Insert the soldering tip outwards through the barrel guard so that it emerges from the smaller end.
3. Screw the locking nut components back onto the barrel, ensuring a secure fit.

## 6. Ignition and Use



**WARNING! Keep your hands and face away from the barrel when igniting and operating the product. Grip the torch by the handle only.**

1. Install or remove the soldering tip (I) as appropriate; see **5 Installing and Removing the Soldering Tip (78772 only)**.
2. Fuel the product and allow the gas to settle.
3. Move the on/off lever (H) to the ON position to start the fuel supply.
4. Depress the ignition button (G) repeatedly until the flame is lit.
5. Adjust the size and temperature of the flame using the flame adjustment dial (E).
6. Allow approximately 30 seconds for the flame to reach temperature, then direct it safely towards the workpiece.
  - If using the product as a torch, direct the flame towards the workpiece at a distance.



**WARNING! DO NOT hold the product too close to the workpiece while using it as a gas torch. Heat reflected back towards the product may cause damage or injury. NEVER allow the product to touch the workpiece.**

- If using the product as a soldering iron (78772 only), place the soldering tip against the appropriate area of the workpiece and apply solder to the point of contact as required.
- Important: DO NOT** apply excessive solder; use only as much as is required for the connection.
7. To switch off the product, fully lower the flame adjustment dial and move the on/off lever to the OFF position. Allow the torch to cool thoroughly.

**Important:** Avoid using the product in sideways or inverted orientations as this may interrupt the flow of fuel to the flame.

## 7. Maintenance and Disposal



**WARNING! ALWAYS ensure that the control lever is in the OFF position and that the torch is completely cool before maintaining or storing the product.**

- Keep the barrel clean and dry.
  - Use a dry cloth **ONLY** to clean the barrel.
  - Clean the soldering tip using a wet sponge while the tip is hot.



**WARNING! Take care not to touch any part of the head assembly while the soldering tip is hot.**

- **DO NOT** use solvents or other aggressive chemicals to clean the product as they may damage plastic or insulated parts.
- Keep the air vents of the barrel free from dust and obstructions.
- Store the product in a clean, cool and dry location, out of direct sunlight and out of reach of children.

At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible. Exhaust the fuel before disposing of the product and dispose of butane separately and responsibly.

## 8. Explanation of Symbols



**Warning!**

Read the instruction sheet



Max. potential operating time per refuel



Approximate temperature up to 1,300°C



Temperature range