

## LIGHTWEIGHT WELDING & CUTTING BLOWPIPE

# ORBIT



EDITION 1/2014

A superbly constructed welding & cutting blowpipe designed with safety in mind and engineered from highest quality materials to complement the operator in production or light gauge maintenance welding & cutting. The shank is common to both welding and cutting heads, the same quick, positive and leak-free means of attachment being used for both. The shank is manufactured from a solid drilled aluminium forging thus avoiding the necessity of internal tubes and giving added safety.

### WELDING

The shank can be used with either lightweight swaged nozzles or D.H. solid copper tips + brass neck according to the operators preference, enabling precise flame control and up to 8mm (5/16") welding capacity in steel.

### CUTTING

The newly designed lightweight cutting attachment uses the nozzle mix principle and is thus highly resistant to backfire and flashback.

Although of a lightweight design, it is engineered from solid brass castings and silver soldered tubes to provide an extremely robust construction. Using Orbit A-FN type nozzles and Acetylene fuel gas the orbit has a cutting capacity of over 20mm.

GCE BUTBRO torches and nozzles conform to BS EN ISO 5172

- HOSE CONNECTIONS - 1/4" BSP (Other threads available on request)
- WELDING CAPACITY - 8 mm
- CUTTING CAPACITY - 20 mm
- WELDING NOZZLES - Lightweight, Swaged Nozzles Size 1-25  
D.H. Solid Copper Tips Sizes 1-25
- CUTTING NOZZLES - ORBIT A-FN Cutting Nozzles  
ORBIT A-SFN Sheet Metal Nozzles  
(Full Details of nozzles on page 13/14/15)



ORBIT COMBINED  
WELDING & CUTTING  
OUTFIT  
**81000**



ORBIT L/W WELDING  
OUTFIT  
**81903**

## ORBIT

### ORBIT



| Art. Nr.        | Description                 | Quantity |
|-----------------|-----------------------------|----------|
| 0766229 (81222) | ORBIT shank                 | 1        |
| 0766230 (81444) | ORBIT cutting attachment    | 1        |
| 0766231 (81025) | ORBIT mixer                 | 1        |
| 62017           | ORBIT thread DH neck        | 1        |
| 81666           | ORBIT heating nozzle & neck | 1        |
| 9438170         | ORBIT c/a nozzle nut        | 1        |

### ORBIT COMBINED WELDING & CUTTING OUTFIT



#### CONSISTING OF:

ORBIT Shank, Mixer & Cutting Attachment, L/W Nozzles Size 2, 5, 7, 10, 13, 18, 25, 3/64" A-FN Type Cutting Nozzle, Nozzle Cleaning Outfit, Outfit Spanner, Data Cards, Plastic Carrying Case

| Art. Nr. | Description           | Quantity |
|----------|-----------------------|----------|
| 81000    | ORBIT combined outfit | 1        |

### ORBIT L/W WELDING OUTFIT



#### CONSISTING OF:

ORBIT Shank & Mixer, L/W Nozzles Size 1, 2, 3, 5, 7, 10, 13, 25, Hose Check Valves, Outfit Spanner, Data Card, Plastic Carrying Case

| Art. Nr. | Description           | Quantity |
|----------|-----------------------|----------|
| 81903    | ORBIT combined outfit | 1        |

### MODEL "O" TYPE LIGHTWEIGHT BLOWPIPE



This extremely lightweight blowpipe has excellent balance and handling qualities. It can be used with either acetylene or hydrogen and is supplied complete with neck and a set of tips. Designed for very fine welding and brazing applications, including the fusion of thin gauge sheet metal up to 1.5mm (1/16") and lead welding.

#### SUITABLE FOR:

Jewellery, gold and silver work. Lead, zinc and thin section aluminium welding. Electrical and electronic engineering. Dental composition and repairs. Heating, ventilation and refrigeration work. Light fabrication and Laboratory work.

| Art. Nr. | Description                                    | Quantity |
|----------|--|----------|
| 47000    | Standard model "O" blowpipe with neck & 5 tips | 1        |
| 47666    | Model "O" neck                                 | 1        |

#### TECHNICAL DATA

|                   |   |
|-------------------|---|
| Hose connections: | 1/4" BSP  |
| Welding capacity: | 1,5 mm  |
| Welding nozzles:  | Model "O" nozzle sizes 1-5 (Part N°47100-47500) |

## WELDING TORCH JETSOUND

This torch is light and easy to handle; it has been developed specifically for refrigerator technicians and installers of airconditioning equipment, who require a torch to be easy to handle for reaching narrow hard to get at points. JETSOUND torch allows a reduction in the movement of the operator's wrist. People who have already used the JETSOUND torch appreciate its perfect flame regulation and low flow-rates, thanks to the possibility of regulating oxygen flow by means of a pin (microregulation). This means that the attachment and the knob are on the same axis.



| Art. Nr. | Fuel gas  | Connections      | Length | Weight  |
|----------|-----------|------------------|--------|---------|
| 0766277  | Acetylene | G1/4" / G1/4" LH | 360 mm | 0,51 kg |

### JETSOUND ACCESSORIES

| Art. Nr.     | Product                               |
|--------------|---------------------------------------|
| 548800100122 | Nozzles for Welding (6 pcs) Acetylene |
| 22290270     | 160 l/h Flexible Welding Attachment   |
| 22290271     | 250 l/h Flexible Welding Attachment   |
| 22290272     | 315 l/h Flexible Welding Attachment   |
| 22290273     | 400 l/h Flexible Welding Attachment   |
| 22290274     | 500 l/h Flexible Welding Attachment   |



Welding nozzles



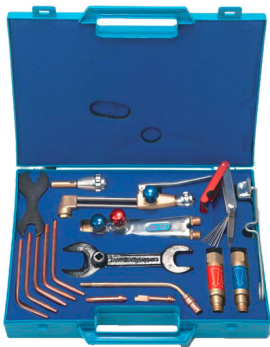
Double flame attachment



Flexible welding attachment

| Welding range (mm) | Nozzles consumption (l/h) | Pressures (bar) |           |           |
|--------------------|---------------------------|-----------------|-----------|-----------|
|                    |                           | Oxygen          | Acetylene | Propane   |
| 0,4 - 0,5          | 40                        | 1 - 1,5         | 0,2 - 0,5 | 0,1 - 0,4 |
| 0,6                | 63                        |                 |           |           |
| 1                  | 100                       |                 |           |           |
| 1,5                | 160                       |                 |           |           |
| 2,5                | 250                       |                 |           |           |
| 3                  | 315                       |                 |           |           |
| 4                  | 400                       |                 |           |           |
| 5                  | 500                       |                 |           |           |

CADDYPACK



The GCE BUTBRO CADDYPACK provides all the qualities of conventional Oxy-Acetylene welding cutting and heating without heavy cumbersome full size cylinders. Weighing only 33 Kgs it is totally portable making it ideal for many applications including:

- FARM REPAIRS
- CONSTRUCTION SITEWORK
- MOBILE REPAIR SERVICES
- FACTORY MAINTENANCE
- GARAGE & MOTOR TRADE
- DIY APPLICATIONS

The robust trolley has been re-designed to give added stability and has an adjustable height clamp to accommodate taller cylinders. Storage for the outfit case is provided on the rear of the trolley. The handle is retractable to enable the whole kit to be carried in a car boot.

The GCE BUTBRO ORBIT complete welding and cutting Caddypak provides welding capacity up to 8mm (5/16") and cutting capacity up to 25mm (1") and heating with acetylene. Just add the cylinders and the kit is ready for immediate use.

N.B. CYLINDERS NOT INCLUDED. GCE BUTBRO torches and nozzles conform to BS EN ISO 5172.

THE OUTFIT COMPRISES:

ORBIT Shank, Mixer & Cutting Attachment, Single Stage, 2 Gauge Oxygen Regulator, Single Stage, 2 Gauge Acetylene Regulator, Slimguard Oxygen Flashback Arrestor, Slimguard Acetylene Flashback Arrestor, 5 Metres Twin Line Fitted Hose, L/W Nozzles Size 2, 5, 7, 10, 13, 3/64" A-FN Type Cutting Nozzle, ASFN Type Sheet Metal Cutting Nozzle, ORBIT Heating Nozzle & Neck, Sunfire Sparklighter, Nozzle Cleaner Outfit, Outfit Spanner, Combination Spanner, Goggles, Data Card, Plastic Carrying Case, Caddypak Cylinder Trolley



| Art. Nr. | Description | Quantity |
|----------|-------------|----------|
| 81789    | Caddypak    | 1        |

**GCE Ltd**  
Yew Tree Way, Stone Cross Park  
Golborne, Warrington  
WA3 3JD

Phone: +44 (0)1942 29 29 50  
Fax: +44 (0)1942 29 29 77

sales.gb@gcegroup.com  
www.gcegroup.com

**GCE**  
Gas Control Equipment  
www.gcegroup.com