

## Saffire Welding and Cutting Blowpipes



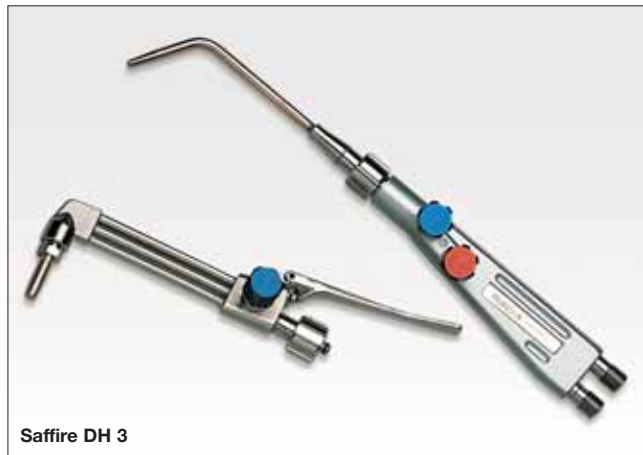
Saffire 5

### Saffire 5

**Saffire 5 is probably the most robust and versatile gas welding, cutting and process blowpipe available. The well tried and tested Saffire offers refinement, precision engineering and a level of strength and operational safety essential to survive the rigours of today's welding environment.**

- Full EN ISO 2503 compatible
- Unique aluminium alloy gun drilled handle specially shaped for comfort and lightness with strength and reliability
- Parallel torqued inlet fittings with filters for maximum safety and durability
- Totally encapsulated trim valves for precise gas control
- Heavy chrome finish for maximum wear resistance
- Cutting attachment with a host of operational features

As with all Saffire products, the Saffire 5, welding cutting and process blowpipe is manufactured under the demanding BS EN ISO 9001 quality Management System.



Saffire DH 3

### Saffire DH 3

**The Saffire DH 3 is a tried and tested blowpipe designed for lightweight production welding and maintenance. It is a complete welding and cutting blowpipe of proven design.**

- Exceptionally comfortable in use
- High integrity trim valves
- Accepts standard lightweight and FN nozzles
- Full EN ISO 5172 compatible

#### Welding

- Welds from 1mm to 8mm plate
- Light and positive, ideal for high quality welding
- Precision engineered mixer for precise gas control
- All positional facility for nozzles through the serrated connection teeth
- Accepts all lightweight swaged nozzles and DH tips with suitable neck

#### Cutting

- Cuts up to 50mm plate
- Heating oxygen valve for optimum user control
- Parallel tubes for increased visibility when in use
- High tensile brass head for extended service life
- Piston cutting oxygen valve provides smooth cutting action
- Silver soldered joints throughout
- Uses all standard AFN nozzles

#### Process

- Accepts multi-flame heating tip to give 500 litres per hour capacity
- Cutting oxygen characteristic allows smooth bevels for plate edged preparation for welding

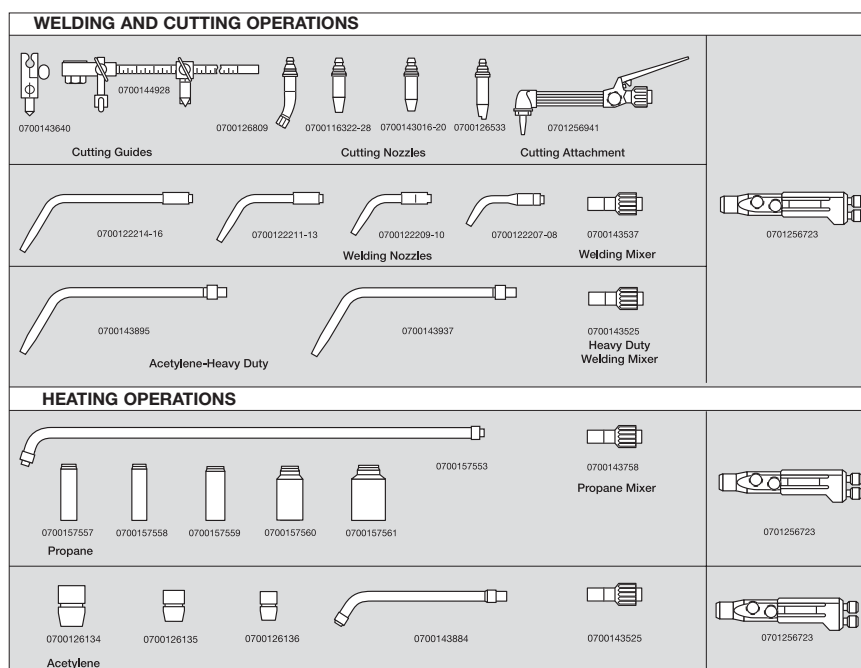
## Saffire 5 Cutting Attachment

Designed to cope with the rigours of the modern welding and fabrication environment, the robust Saffire 5 cutting attachment offers a host of features including a cutting oxygen valve which allows more control of the cutting oxygen flow for improved cut quality.

The gas tubes between the body and head are in line, giving maximum visibility of the working area, also connections between the gas tubes and the head and body of the cutting attachment are brazed for increased strength. The head itself is equipped with internal threads for the head nut which greatly reduces the risk of thread damage, and finally the whole of the cutting attachment has a chrome finish to increase heat reflection and reduce spatter adhesion.

In addition to welding between 1mm and 25mm and cutting to 200mm using acetylene, Saffire 5 with its increased flow capacity and using the appropriate attachments, can be used to perform a wide range of oxy fuel gas processes which include:

- Heating with acetylene
- Heating with propane
- Flame cleaning
- Rivet cutting
- Gouging
- Circle cutting



### Ordering Information

Description	Part No
<b>Saffire 5 Equipment</b>	
Shank – 3/8 in. BSP connections	0701256723
Welding mixer – acetylene	0700143537
Heavy duty mixer – acetylene	0700143525
Mixer – propane	0700143758
Cutting attachment	0701256941
Small circle cutting attachment	0700143640
Large circle cutting attachment	0700144928
700mm bent neck – propane	0700157553
200mm bent neck – acetylene	0700143884

### Cutting Nozzles – Acetylene

A-SNM-Sheet	0700126533
A-NM 1/32 in 3-6mm	0700143016
A-NM 3/64 in 5-12mm	0700143017
A-NM 1/16 in 10-75mm	0700143018
A-NM 5/64 in 70-100mm	0700143019
A-NM 3/32 in 90-150mm	0700143020
ANME 1/32 in 3-6mm	0700016120
ANME 3/64 in 5-12mm	0700016121
ANME 1/16 in 10-75mm	0700016122
ANME 5/64 in 70-100mm	0700016123
ANME 3/32 in 90-150mm	0700016124

### PNM Cutting nozzles – Propane

P-NM 1/32 in 3-6mm	0700143780
P-NM 3/64 in 5-12mm	0700143781
P-NM 1/16 in 10-75mm	0700143782

### Acetylene – Gouging

AGNM 13	0700126809
---------	------------

### Acetylene heating nozzles

A-HT size 25	0700126134
A-HT size 50*	0700126135
A-HT size 100*	0700126136

### Propane super heating nozzles

Saffire 1H	0700157557
Saffire 2H	0700157558
Saffire 3H	0700157559
Saffire 4H	0700157560
Saffire 5H	0700157561

\* Requires use of H.D. Mixer 0700143525

### Saffire DH 3

Shank 1/4in BSP Connections	0701281934
Cutting Attachment	0701257523
Mixer	0701256673

### Saffire DH 3 Accessories

Heating Tip and Neck Assembly	0701256652
-------------------------------	------------

## Saffire Welding and Cutting Blowpipes



**The range of Saffire NM cutters continues the tradition of nozzle mix design with the quality and reliability synonymous with Saffire. A proven design incorporating the latest technical features necessary to meet the changing service requirements of the hand cutting market.**

- Nozzle mix principle for maximum safety
- Backfire resistant design
- Progressive “bleed” characteristics
- Two length options
- 90° and 75° cutting heads
- Robust engineering

All Saffire Cutters are equally suitable for Acetylene and Propane service simply by changing the nozzle.

Saffire cutters have the benefit of a unique cutting oxygen flow valve which through the cutting lever acts indirectly to bring in the oxygen stream. This important feature gives a true “bleed” characteristic to create splash free starts and progressive piercing and the smoothest possible cutting conditions.

Saffire NM Cutters are designed to BS EN 150 5172 “Handheld Blowpipes for Welding and Cutting” and manufactured under the quality management systems of BS EN ISO 9001.

### **Saffire NM 250**

The NM 250 Model is principally intended for general workshop cutting up to 250mm (10”) capacity. The balance and trim combined with 500mm (18”) length make it ideally suited for most industrial applications.

### **Saffire NM 400**

This model has the benefit of a 75° head and 700m (27”) length combined with a cutting capacity of 400mm (16”). The cutter is designed for heavy duty fabrication and scrap cutting applications where the combinations of head angle and extended length create both positive and comfortable working conditions for the operator.

### **Ordering Information**

Description	Part No
Saffire NM 250	0701256484
Saffire NM 400	0701256482

### **Saffire NM250 and NM400 Accessories**

Small circle cutting attachment	0700143640
Large circle cutting attachment	0700144928
Saffire super heating adaptor	0701250458

B.S. Note: Where applicable blowpipes and nozzles are designed and manufactured to comply with BS EN 150 5172.