

# DH Combination Torch

Light-Duty Nozzle-Mix Style

Cutting & Welding Torch



The DH combination torch is an exceptionally lightweight, comfortable torch designed to give exceptional welding & cutting characteristics with minimum operator fatigue. Fully interchangeable with Saffire DH torches, the product offers an up-to-date design which focuses on ease of use.

2 Handle designs are available – the DH handle follows the design of the Saffire DH torches. The WH455 handle features a specially designed alloy material three times the tensile strength of brass.

The DH Cutting Attachment provides an excellent extension to the versatility of this torch, with the ability to cut 6mm – 20mm mild steel. The cutting attachment is compatible with both handle designs.

- § Welding capability from 0.9mm to 8mm as standard
- § Equal pressure nozzle mix design for improved operator safety
- § Encapsulated colour coded trim valves and extruded aluminium shank
- § Cutting attachment features 90° angled head with internal threads extending the service life
- § Fully conforms to ISO standards – EN ISO 5172

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## Industry

- § Shipbuilding
- § Automotive
- § Rail
- § Fabrication
- § Offshore
- § Construction
- § Maintenance/Repair



*CA456 Cutting Attachment*



*DH Welding Handle*



*WH456 Welding Handle*

## Ordering Information

Model	Gas Service	Cut Capacity	Inlet Connection	Part Number
DH Handle	Oxygen/Acetylene	-	1/4 BSP	0558010332
WH455 Handle	Oxygen/Acetylene	-	1/4 BSP	0700017245
CA456 Cutting Attachment	Oxygen/Acetylene	½" / 20 mm	-	0700017246
Welding Mixer	Oxygen/Acetylene	-	-	0700017247

## Accessories

Description	Part Number
Flashback Arrestor FT 1/4RH (Torch mounted)	0700016739
Flashback Arrestor FT 1/4LH (Torch mounted)	0700016740
DH Heating Tip & Neck assembly	0701256652

## Recommended Consumables and Operating Pressures

### Welding Nozzles

Metal Thickness			Nozzle Size (in.)	Part Number	Operating Pressure				Gas Consumption			
mm	in.	swg			Acetylene		Oxygen		Acetylene		Oxygen	
					Bar	Lbf/in <sup>2</sup>	Bar	Lbf/in <sup>2</sup>	L/M	ft <sup>3</sup> /H	L/M	ft <sup>3</sup> /H
0.9	-	20	1	0700016670	0.14	2	0.14	2	0.47	1	0.47	1
1.2	-	18	2	0700016671	0.14	2	0.14	2	0.94	2	0.94	2
2.0	-	14	3	0700016672	0.14	2	0.21	3	1.42	3	1.42	3
2.6	-	12	5	0700016673	0.21	3	0.28	4	2.36	5	2.83	6
3.2	1/8	10	7	0700016674	0.21	3	0.35	5	3.30	7	4.72	10
4.0	3/32	8	10	0700016675	0.28	4	0.35	5	4.72	10	5.20	11
5.0	3/16	6	13	0700016676	0.35	5	0.48	7	6.13	13	7.10	15
6.5	1/4	3	18	0700016677	0.41	6	0.55	8	8.50	18	9.40	20
8.2	5/16	0	25	0700016678	0.55	8	0.69	10	11.80	25	12.70	27

### Acetylene AFN Cutting Nozzles

Metal Thickness		Nozzle Size (in.)	Part Number	Operating Pressure				Gas Consumption					
mm	in.			Oxygen		Fuel Gas		Cutting Oxygen		Heating Oxygen		Fuel Gas	
				Bar	Lbf/in <sup>2</sup>	Bar	Lbf/in <sup>2</sup>	L/M	ft <sup>3</sup> /H	L/M	ft <sup>3</sup> /H	L/M	ft <sup>3</sup> /H
3 – 6	¼	1/32	0700144735	2.0	30	0.14	2	18.8	25	4.2	9	3.8	8
6-20	½	3/64	0700144736	2.0	30	0.20	3	23.5	20	4.2	9	3.8	8

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