



**Welding & Cutting Torch Technology**

## **Product Catalogue**

**OXM Mig Series**





## About Us

Uniarc is part of a group of companies specializing in the production of Welding and Cutting torches.

With over 40 years experience, the group is positioned as a global leader at the heart of the welding torch industry.

Originally established in the United Kingdom in the 1980's, the company is now a fully-fledged, vertically integrated Chinese product innovator and manufacturer.

Our customers span a full cross section of the industry, ranging from general distribution to leading global original equipment manufacturers.

Our products are used in a broad cross-section of industrial sectors ranging from auto body repair to ship building.

Whether you need a standard off the shelf product or a customized branded option with your own colours, logos and packaging we have a one stop solution for your requirements.

Our team are here to help, contact us today if you need anymore information.



find out more [www.uniartorchology.com](http://www.uniartorchology.com)

## Contents

---

|                |   |
|----------------|---|
| Features Focus | 4 |
| Range Overview | 5 |

---

|             |   |
|-------------|---|
| Torch Model |   |
| OXM 235A    | 6 |
| OXM 450A    | 7 |

---

|              |   |
|--------------|---|
| Wear Parts   |   |
| Nozzles      | 8 |
| Contact Tips | 8 |
| Diffusers    | 8 |
| Liners       | 9 |

---

## OXM Mig / Mag Air-Cooled Series

### Features Focus

#### Consumable Parts

All wear and spare parts are manufactured to the same specification as the OEM and are fully interchangeable.

#### Knuckle Joint and Cable Support

Small movements of the handle and neck are possible independent of the cable assembly. A moulded polymer cable support increases flexibility and electrode support.



#### Euro Terminations

Fitted with unbreakable spring loaded gun plug body pins.

#### Swan Necks

Polymer armoured neck for increased durability and insulation integrity.

#### Ergo Handle

Ergonomic design solutions combine balance and positioning.



#### Air-Cooled Cable Systems

Ultralite cable sets offer the ultimate in heat and abrasion resistance, with the added benefit of being 30% lighter.



#### Rear Cable Support

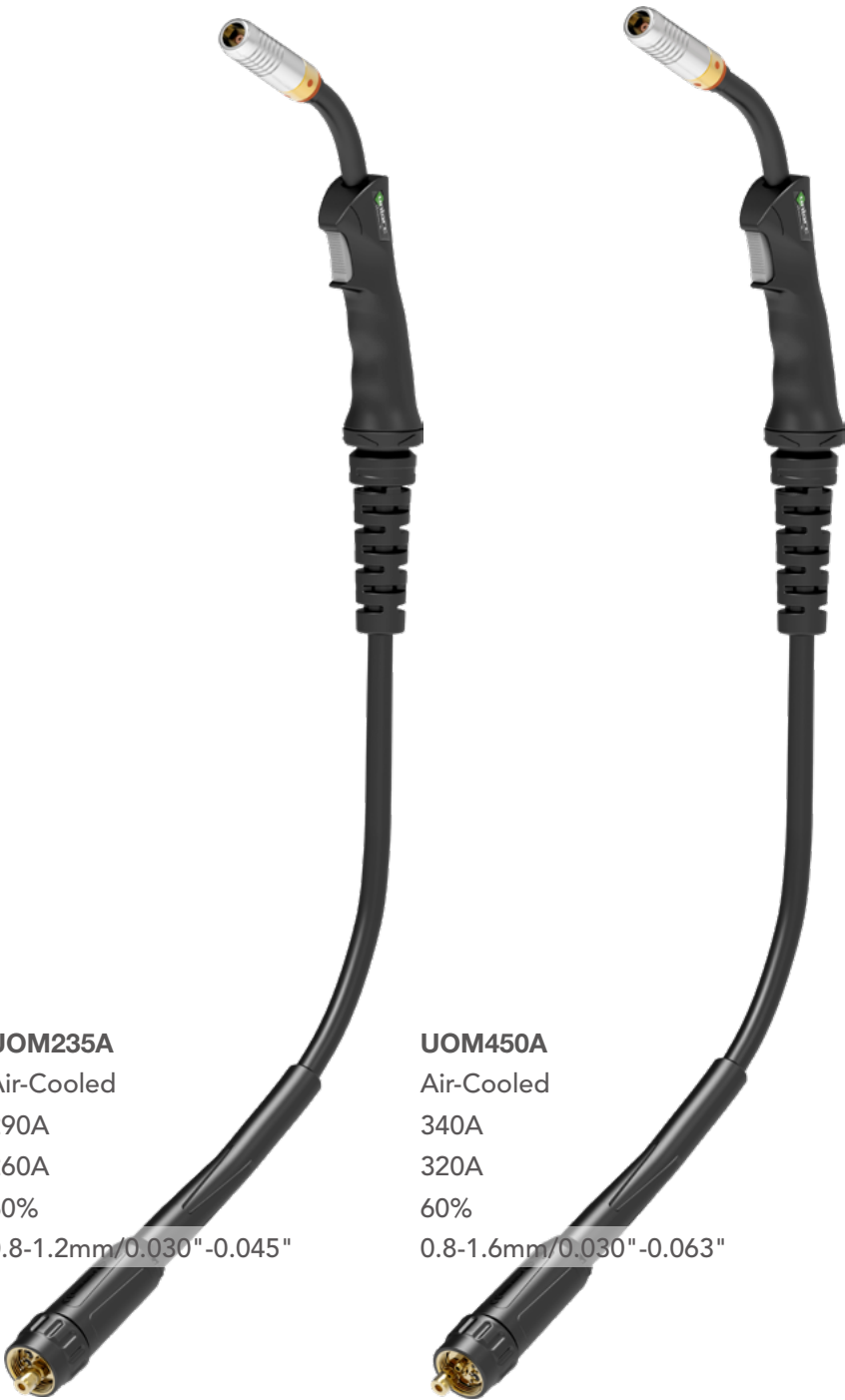
Extra length cable support systems ensure smooth and consistent wire feed at any angle.

#### Housings, Nuts and Supports

Tough and damage resistant, housings and nuts are formed in robust glass-reinforced polymers encasing all conductive parts in accordance with EN60974-7.

# OXM Mig / Mag Air-Cooled Series

Ratings: 260 Amp to 320 Amp, Mixed Gas M21



### Technical Data

Cooling Method

Rating: CO<sub>2</sub>

Rating: Mixed Gas M21

Duty Cycle:

Wire Size:

### UOM235A

Air-Cooled

290A

260A

60%

0.8-1.2mm/0.030"-0.045"

### UOM450A

Air-Cooled

340A

320A

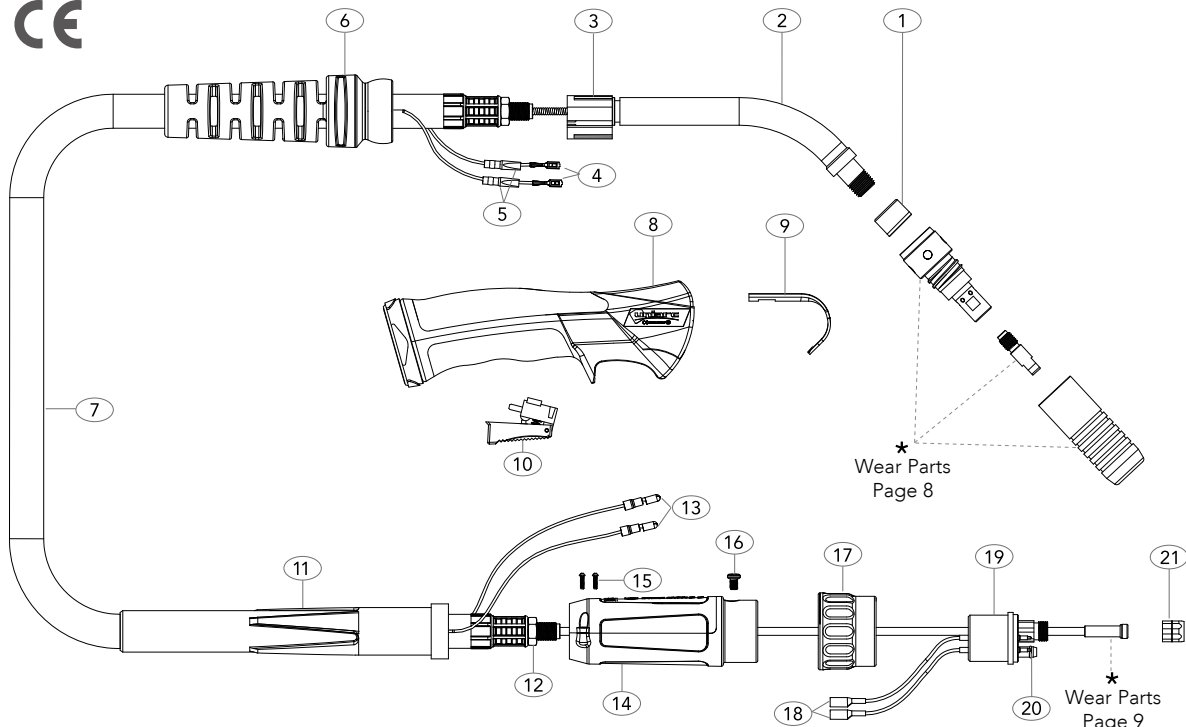
60%

0.8-1.6mm/0.030"-0.063"

|             |     |             |             |
|-------------|-----|-------------|-------------|
| Order Codes | 3mt | UOM235-30ER | UOM450-30ER |
|             | 4mt | UOM235-40ER | UOM450-40ER |
|             | 5mt | UOM235-50ER | UOM450-50ER |

## OXM235A Air-Cooled Mig Welding Torch

Rating: 290A CO<sub>2</sub> 260A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.8 to 1.2mm / 0.030"-0.045" wires  
Euro Terminations

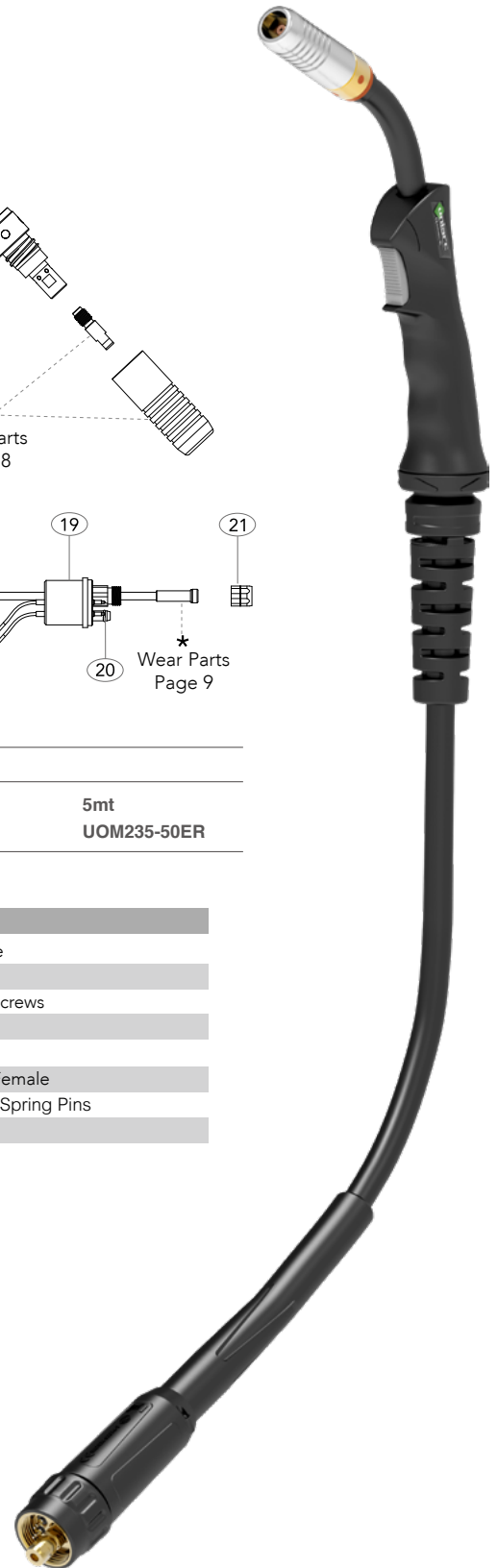


### MODEL

| Description        | Part Number        |                    |                    |
|--------------------|--------------------|--------------------|--------------------|
| Ergo Torch Package | 3mt<br>UOM235-30ER | 4mt<br>UOM235-40ER | 5mt<br>UOM235-50ER |

### SPARE PART

| Part Number | Description                  | Part Number | Description                   |
|-------------|------------------------------|-------------|-------------------------------|
| 1 UOM2352   | Adaptor Piece                | 13 UB1522   | Cable Terminal Male           |
| 2 UOM2353   | Swan Neck                    | 14 SC2578/L | Gun Plug Housing              |
| 3 UG1515    | Ergo Handle Location Body    | 15 SCSP1-1  | Gun Plug Housing Screws       |
| 4 UB1521    | Cable Terminal               | 16 UB1526   | Gun Plug Screw                |
| 5 UB1521-C  | Cable Terminal Cover         | 17 UC1519/S | Gun Plug Nut                  |
| 6 UG8016-BK | Cable Support                | 18 UB1523   | Gun Plug Terminal Female      |
| 7 USA35-30  | Cable Assembly x 3mt         | 19 UB1528   | Gun Plug Body c/w Spring Pins |
| USA35-40    | Cable Assembly x 4mt         | 20 UB1524   | Gun Plug 'O' Ring             |
| USA35-50    | Cable Assembly x 5mt         | 21 UB1525   | Liner Nut                     |
| 8 UG2514-BK | Ergo Handle Kit c/w Lock Nut |             |                               |
| 9 UB2517    | Hange Hook (Optional)        |             |                               |
| 10 UG2516   | Standard Trigger Assembly    |             |                               |
| 11 UPA3541  | Cable Support                |             |                               |
| 12 UB1505   | Lock Nut                     |             |                               |

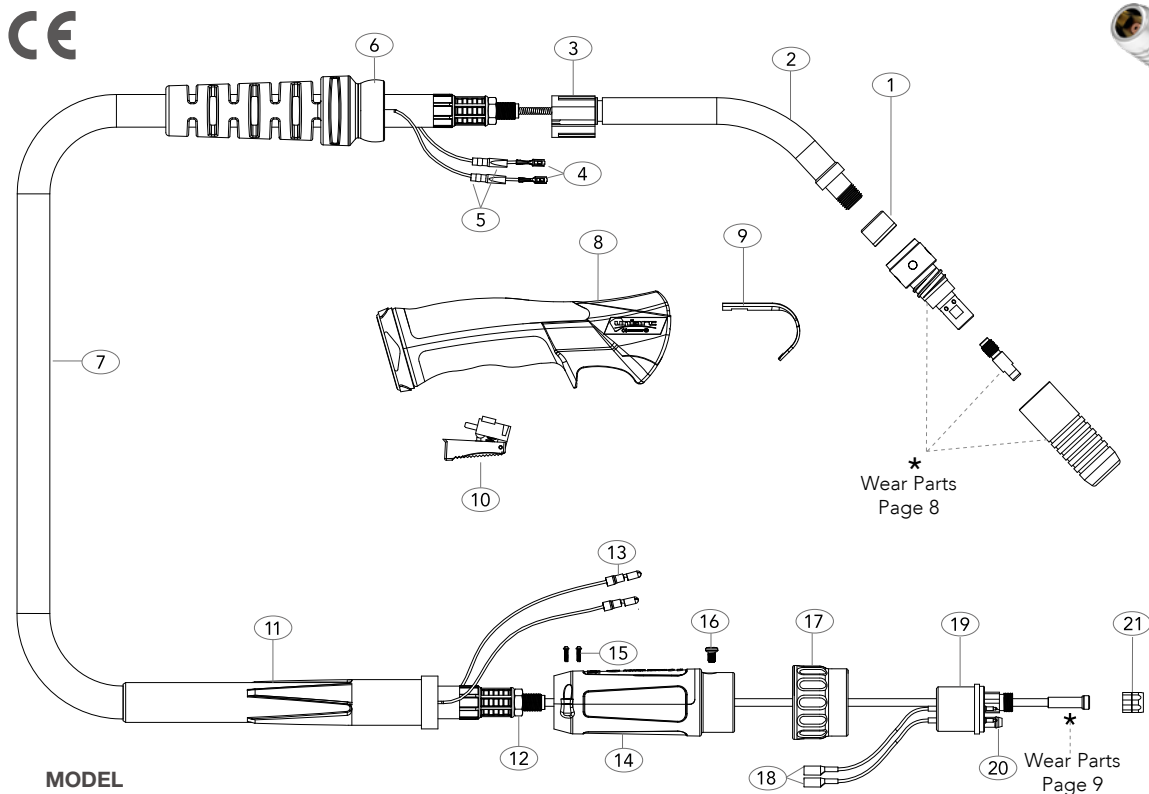


All products conform to EN60974-7, **CE** and are RoHS2, REACH and WEEE compliant

# OXM450A Air-Cooled Mig Welding Torch

Rating: 340A CO<sub>2</sub> 320A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.8 to 1.6mm / 0.030"-0.063" wires

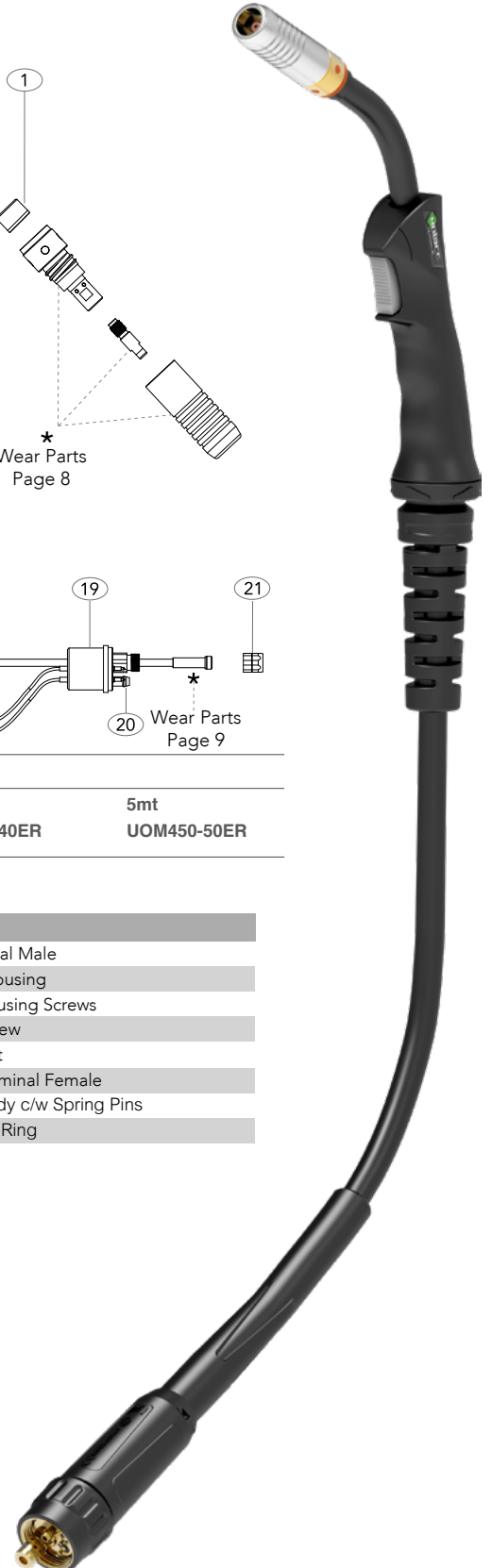
Euro Terminations



| MODEL              |                    |                    |                    |
|--------------------|--------------------|--------------------|--------------------|
| Description        | Part Number        |                    |                    |
| Ergo Torch Package | 3mt<br>UOM450-30ER | 4mt<br>UOM450-40ER | 5mt<br>UOM450-50ER |

## SPARE PARTS

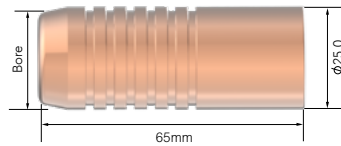
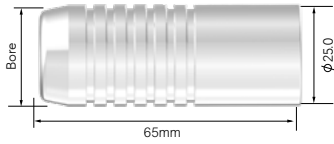
| Part Number | Description                  | Part Number | Description                   |
|-------------|------------------------------|-------------|-------------------------------|
| 1 UOM2352   | Adaptor Piece                | 13 UB1522   | Cable Terminal Male           |
| 2 UOM4503   | Swan Neck                    | 14 SC2578/L | Gun Plug Housing              |
| 3 UG1515    | Ergo Handle Location Body    | 15 SCSP1-1  | Gun Plug Housing Screws       |
| 4 UB1521    | Cable Terminal               | 16 UB1526   | Gun Plug Screw                |
| 5 UB1521-C  | Cable Terminal Cover         | 17 UC1519/S | Gun Plug Nut                  |
| 6 UG8016-BK | Cable Support                | 18 UB1523   | Gun Plug Terminal Female      |
| 7 USA50-30  | Cable Assembly x 3mt         | 19 UB1528   | Gun Plug Body c/w Spring Pins |
| USA50-40    | Cable Assembly x 4mt         | 20 UB1524   | Gun Plug 'O' Ring             |
| USA50-50    | Cable Assembly x 5mt         | 21 UB1525   | Liner Nut                     |
| 8 UG2514-BK | Ergo Handle Kit c/w Lock Nut |             |                               |
| 9 UB2517    | Hange Hook (Optional)        |             |                               |
| 10 UG2516   | Standard Trigger Assembly    |             |                               |
| 11 UPA3541  | Cable Support                |             |                               |
| 12 UB1505   | Lock Nut                     |             |                               |



All products conform to EN60974-7, **CE** and are RoHS2, REACH and WEEE compliant

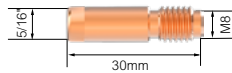


## Wear Parts



### OXM Nozzles

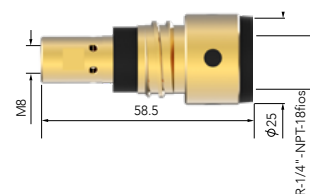
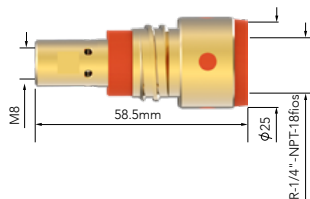
| Part No. | Description | Bore | Wall  | Material | UOM235A | UOM450A |
|----------|-------------|------|-------|----------|---------|---------|
| UOM516P  | Nozzle      | 16   | 2.5mm | Copper   | ●       | ●       |
| UOM516   | Nozzle      | 16   | 2.5mm | Copper   | ●       | ●       |



### OXM Contact Tip

| Part No. | Description | Material | Wire Size mm-INCH | UOM235A | UOM450A |
|----------|-------------|----------|-------------------|---------|---------|
| UOM060   | Contact Tip | Ecu      | 0.8 0.030"        | ●       | ●       |
| UOM061   | Contact Tip | Ecu      | 0.9 0.035"        | ●       | ●       |
| UOM062   | Contact Tip | Ecu      | 1.0 0.040"        | ●       | ●       |
| UOM063   | Contact Tip | Ecu      | 1.2 0.045"        | ●       | ●       |
| UOM064   | Contact Tip | Ecu      | 1.6 0.063"        | ●       | ●       |

### Head Assemblies




| Part No. | Description                    | Material | UOM235A | UOM450A |
|----------|--------------------------------|----------|---------|---------|
| UOM396   | Head Assembly Standard         | Brass    | ●       | ●       |
| UOM396H  | Head Assembly High Performance | Brass    | ●       | ●       |


● Standard wear part range    ● Torch package standard wear part set-up



## Wear Parts

### OXM Tip Liner

| Part No.   | Description       | Length | Nipple       | Wire Size<br>mm-INCH     | UOM235A | UOM450A |
|--|-------------------|--------|--------------|--------------------------|---------|---------|
|  |                   |        |              |                          |         |         |
| UOM1535-30B  | Steel Liner x 3mt | 3.4mt  | Brass Nipple | 0.8 -1.0 0.030" - 0.040" | ●       | ●       |
| UOM1535-40B  | Steel Liner x 4mt | 4.4mt  | Brass Nipple | 0.8 -1.0 0.030" - 0.040" | ●       | ●       |
| UOM1535-50B  | Steel Liner x 5mt | 5.4mt  | Brass Nipple | 0.8 -1.0 0.030" - 0.040" | ●       | ●       |

|  |                   |       |              |                         |   |   |
|--|-------------------|-------|--------------|-------------------------|---|---|
|  |                   |       |              |                         |   |   |
| UOM2524-30B  | Steel Liner x 3mt | 3.4mt | Brass Nipple | 1.0-1.2 0.040" - 0.045" | ● | ● |
| UOM2524-40B  | Steel Liner x 4mt | 4.4mt | Brass Nipple | 1.0-1.2 0.040" - 0.045" | ● | ● |
| UOM2524-50B  | Steel Liner x 5mt | 5.4mt | Brass Nipple | 1.0-1.2 0.040" - 0.045" | ● | ● |

● Standard wear part range    ● Torch package standard wear part set-up

## Welding & Cutting Torch Technology

**JINAN UNIARC WELDING TECHNOLOGY CO., LTD**

13A Zhangjin Comprehensive Bonded Zone  
33688, Jing Shi Dong Road  
Jinan Area of China (Shandong) Pilot Free Trade Zone  
Jinan 250102, P.R. China

**Tel:** +86 531 88239823

**Website:** [www.uniarctorchology.com](http://www.uniarctorchology.com)

**Email:** [info@uniarctorchology.com](mailto:info@uniarctorchology.com)

MPU007 / V.2023.02