

Speciality Welds



Underwater Welding Stinger™

The new patented **'stinger'**™ is the only electrode torch/holder you'll ever need. Its unique design allows for complete dismantling and replacement of all parts, on site, without the need for any special tools or training. The holder can also be adjusted for wear through its patented design, which allows the main collet body to be turned, with each full revolution moving the body up 1.0mm, to allow for over 10mm of adjustment to be made. It has an overall length of 200mm (8"), a diameter of 39mm (1 1/2"). It's light, under 400g (13.5oz) and easy to use with a simple twist mechanism to tighten and release electrodes. It is manufactured from a tough, hardwearing, fully insulating material that is virtually indestructible and provides the maximum protection for the diver. The holder can also be used safely above water, where it offers a 250 amp rating, at 60% duty cycle. The design allows for electrodes ranging from 2.5mm (3/32") to 5.0mm (3/16) to be used, and is available with or without a whip lead. All parts are available separately, making it the only **'stinger'**™ you'll ever need.



Patent No. 0130900.4 Meets EN 60974-11: 1995



Benefits

1. Parts can be easily and quickly assembled/disassembled onsite without special tools.
2. Large replaceable wear face in head.
3. Adjustable for wear, through the main cable connector. (Each full turn moves it up 1.0mm)
4. Non conductive, tough, hardwearing material.
5. Size and style allows for firm grip, even when wearing gloves.
6. Easy twist action to fit/release electrodes.
7. Electrode guide-way, to help fit electrodes in poor visibility
8. Cable retainer available in two sizes to fit either 50mm² (2/0) or 35mm² (1/0) welding cables.
9. Available with or without cable fitted
10. Can be used on surface.
11. Fits electrodes 2.5mm - 5.0mm

Meeting the demands of quality & performance

Parts List

PARTS	#NO:
Head	UW5001
Wear Plug	UW5002
Main Body	UW5003
Securing Pin	UW5003A
Cable Retainer	UW5004
Cable Connector	UW5005

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Assembly Instructions & Spare Part Identification

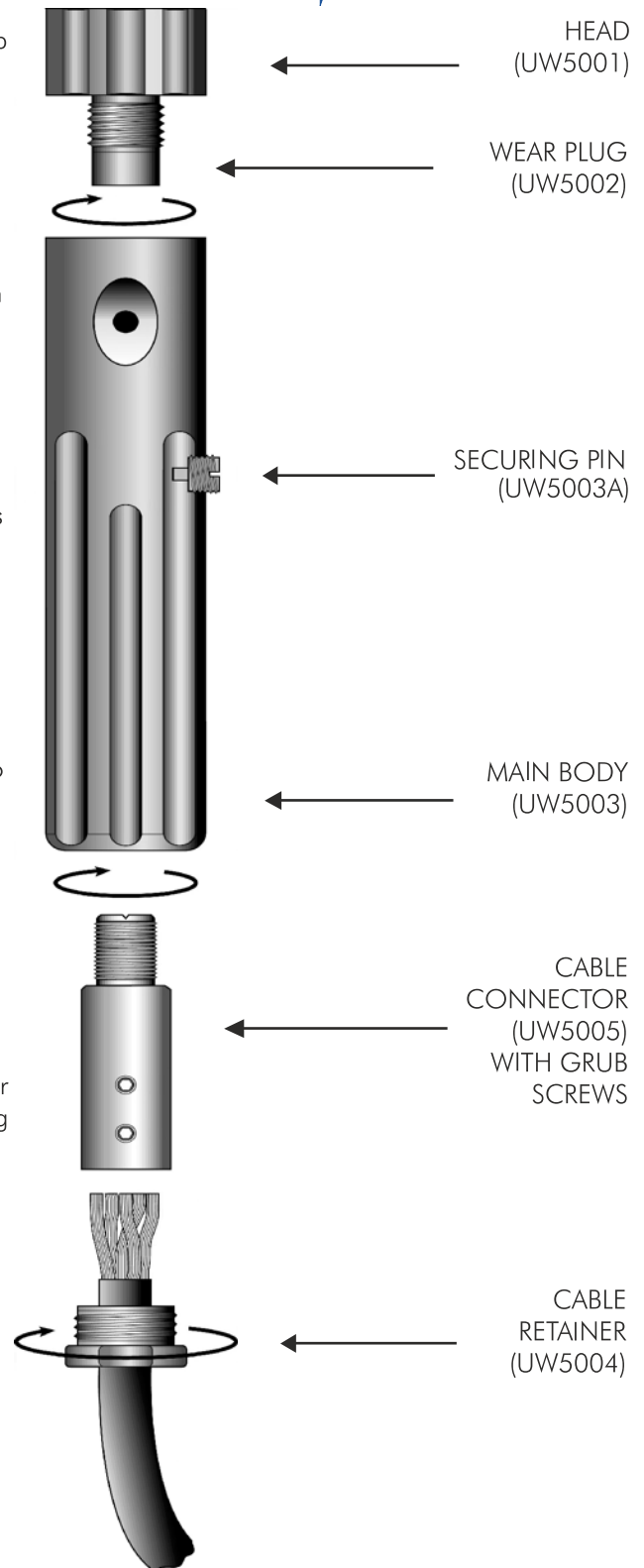
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- 1: Place cable retainer UW5004 over your welding cable. (If stinger supplied with whip lead already fitted, ignore this instruction).
- 2: Fit welding cable into cable connector, UW5005 and tighten the two stainless steel grub screws. Ensure cable covering is cut back to the appropriate length.
- 3: Remove securing pin UW5003A from main body. Take note of milled slot in side of cable connector UW5005 as this is where the securing pin sits, to make secure.
- 4: The thread on UW5005 can now be screwed up into the main body UW5003. Continue turning UW5003 until slot comes into view through securing pinhole. Now secure the pin UW5003A into side of main body UW5003.

THE STINGER IS NOW READY FOR USE.

During use the parts of the stinger that will wear are those parts that come directly into contact with the electrode; namely UW5002 wear plug and UW5005 cable connector. These two components have been designed to be adjustable and or easily replaceable.

- 5: Wear plug UW5002 is fixed into the head UW5001 by a thread and can be removed as required. During normal welding operations wear will take place on the wear plug and cable connector, thereby reducing their thickness. To ensure secure fixture of the electrode at all times adjustments can be made through the cable connector to compensate for this wear. By removing the securing pin and loosening the cable retainer the cable connector UW5005 can be rotated 360° One turn clockwise, or as many turns as is required to compensate for the degree of wear that has taken place. Once the degree of wear has reduced the wear plug to less than the degree of adjustment that can be made by the cable connector, the plug and or cable connector should be replaced.



Local Representative