



Welding & Cutting Torch Technology

Product Catalogue

TWC 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

Contents

Features Focus	4
Range Overview	5

Torch Model	
TW NO.2	6
TW NO.3	7
TW NO.4	8
TW NO.5	9

Wear Parts	
TWC Nozzles	10
TWC Contact Tips	12
TWC Diffusers	13
TWC Liners	14

Consumable Parts

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

Hanger Hook

A "plug and play" option, they encourage the operator to hang the torch off the ground where it is easy to locate.

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.



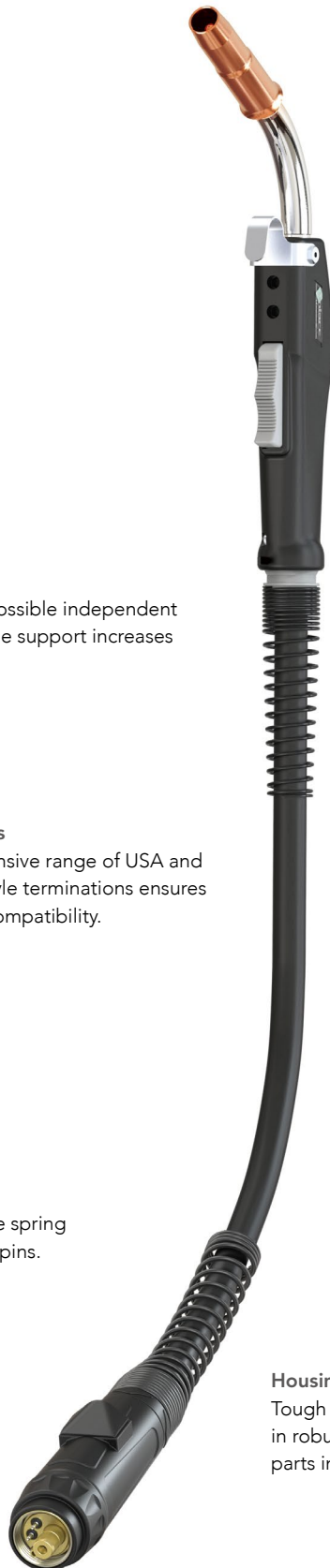
Terminations

A comprehensive range of USA and European style terminations ensures worldwide compatibility.



Euro Terminations

Fitted with unbreakable spring loaded gun plug body pins.



Swan Necks

Manufactured to the same specification as the OEM.

Handles and Cable Supports

Designed to combine balance, positioning and ergonomics with practical torch performance, cable life and consistent wire feed.

Air-Cooled Cable Systems

Cable assemblies offer outstanding flexibility with the highest heat and abrasion resistance of any known cable.

Cable end and crimp systems ensure maximum conductivity whilst the outer jacket is constructed from cross-linked polymers providing a tear proof outer with a burn threshold of 375°C.



Rear Cable Support

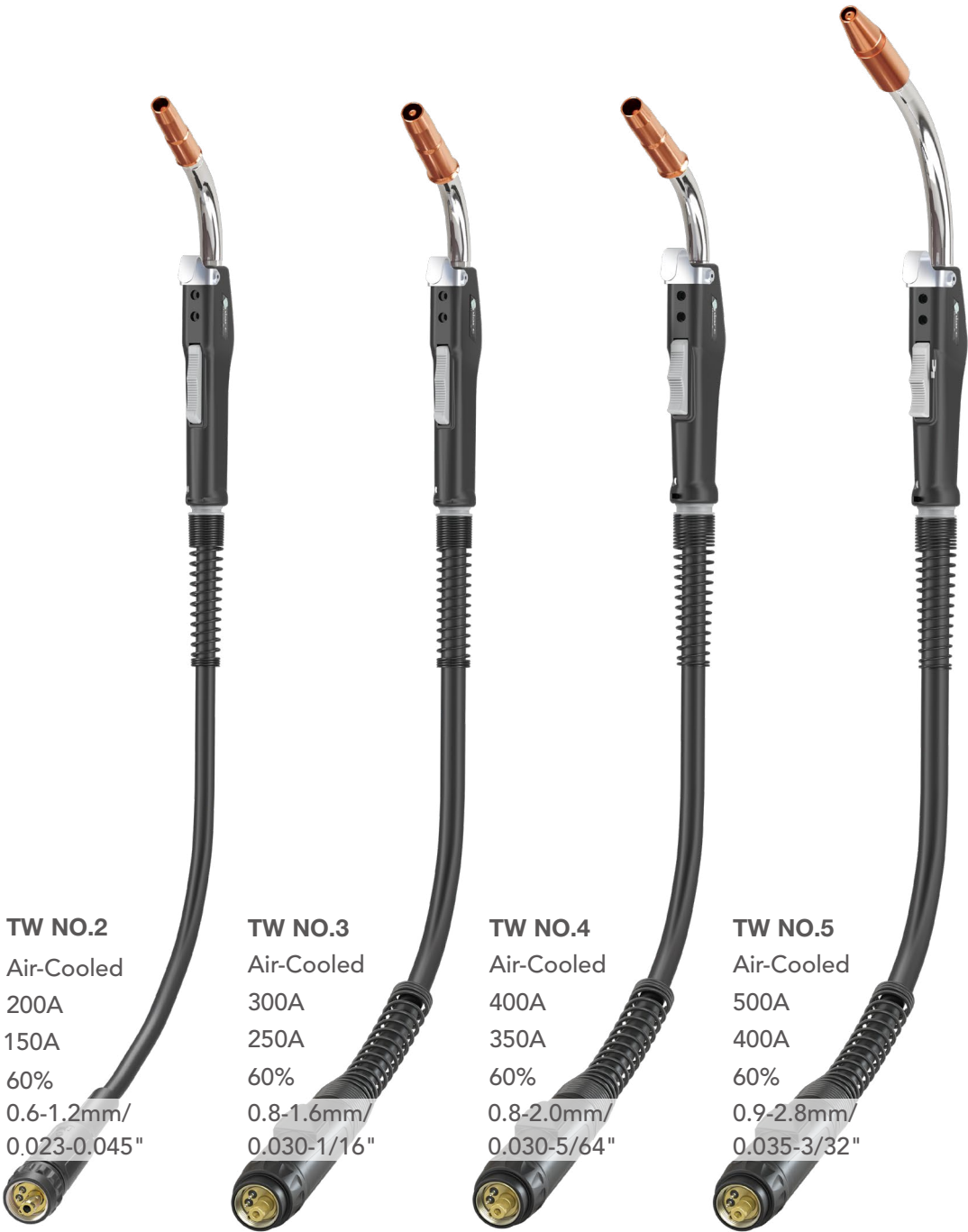
Extra length cable support systems ensure smooth and consistent wire feed at any angle.

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.

TWC Mig / Mag Air-Cooled Series

Ratings: 150 Amp to 400 Amp, Mixed Gas M21

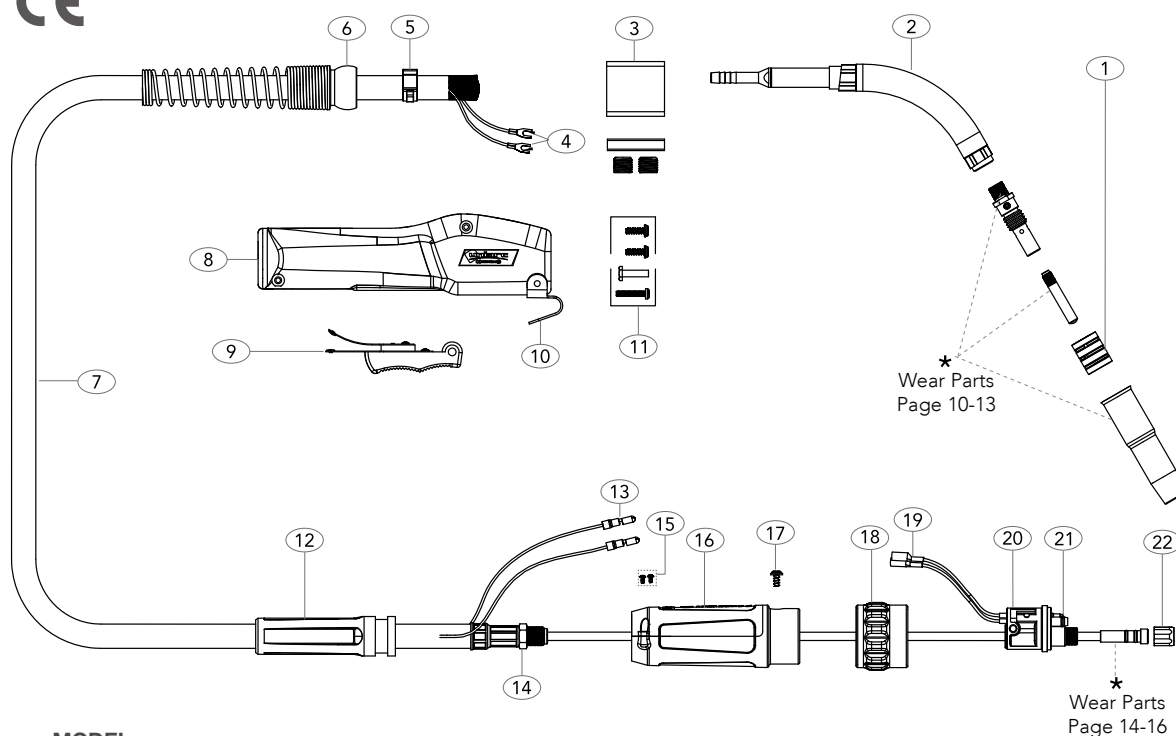


Technical Data

Cooling Method
Rating: CO₂
Rating: Mixed Gas M21
Duty Cycle:
Wire Size:

TW NO.2	TW NO.3	TW NO.4	TW NO.5
Air-Cooled	Air-Cooled	Air-Cooled	Air-Cooled
200A	300A	400A	500A
150A	250A	350A	400A
60%	60%	60%	60%
0.6-1.2mm/ 0.023-0.045"	0.8-1.6mm/ 0.030-1/16"	0.8-2.0mm/ 0.030-5/64"	0.9-2.8mm/ 0.035-3/32"

Order Codes	10ft / 3mt	U2-10E/T/M/L	U3-10E/T/M/L	U4-10E/T/M/L	U5-10E/T/M
	12ft / 4mt	U2-12E/T/M/L	U3-12E/T/M/L	U4-12E/T/M/L	U5-12E/T/M
	15ft / 5mt	U2-15E/T/M/L	U3-15E/T/M/L	U4-15E/T/M/L	U5-15E/T/M



MODEL

Description	Part Number		
Welding Torch c/w Euro Fitting	10ft / 3mt	12ft / 4mt	15ft / 5mt
Welding Torch c/w Tweco Fitting	U2-10E	U2-12E	U2-15E
	U2-10T	U2-12T	U2-15T

Spare part

Part Number	Description	Part Number	Description
1 U32	Adjustable Nozzle Insulator	12 UC2841	Cable Support
2 U62J60	Metal Jacket Swan Neck	13 UB1522	Cable Terminal Male
3 U102	Block c/w Spacer & Screws	14 UXL1542	Cable End Lock Nut (M12 x 1.0)
4 U244T	Control Wire Terminals	15 SCSP1-1	Gun Plug Housing Screw
5 UB5044	Hose Clamp 18.5mm	16 SC2578/S	Gun Plug Housing
6 U141-6S	Spring Cable Support Small & Ball Joint	17 UBL1541	Gun Plug Screw
7 U200-10E	Cable Assembly x 10ft Euro	18 UC1519/S	Gun Plug Nut
U200-12E	Cable Assembly x 12ft Euro	19 UB1523	Gun Plug Terminal Female
U200-15E	Cable Assembly x 15ft Euro	20 UC174EX-1	Gun Plug Body
8 UP83	Handle With Hook & Screw	21 UB1524	Gun Plug 'O' Ring
9 U92	Trigger Switch	22 UXL1826	Liner Retaining Nut
10 U152	Hanger Hook		
11 U122FMS	Screw Pack		

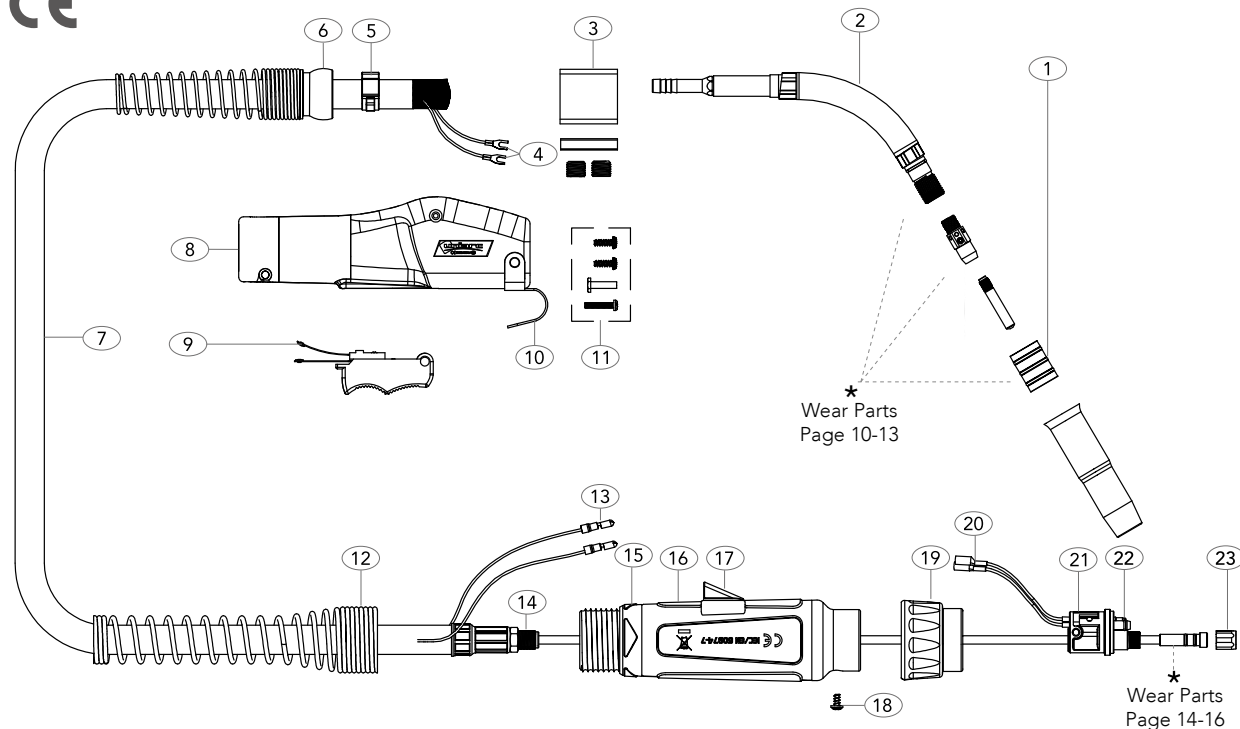
Torches are available with various terminations
-please email info@uniarctorchology.com



TW NO.3 Air-Cooled Mig Welding Torch

Rating: 300A CO₂ 250A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.8 to 1.6mm / 0.030-1/16" wires

Euro Terminations



MODEL

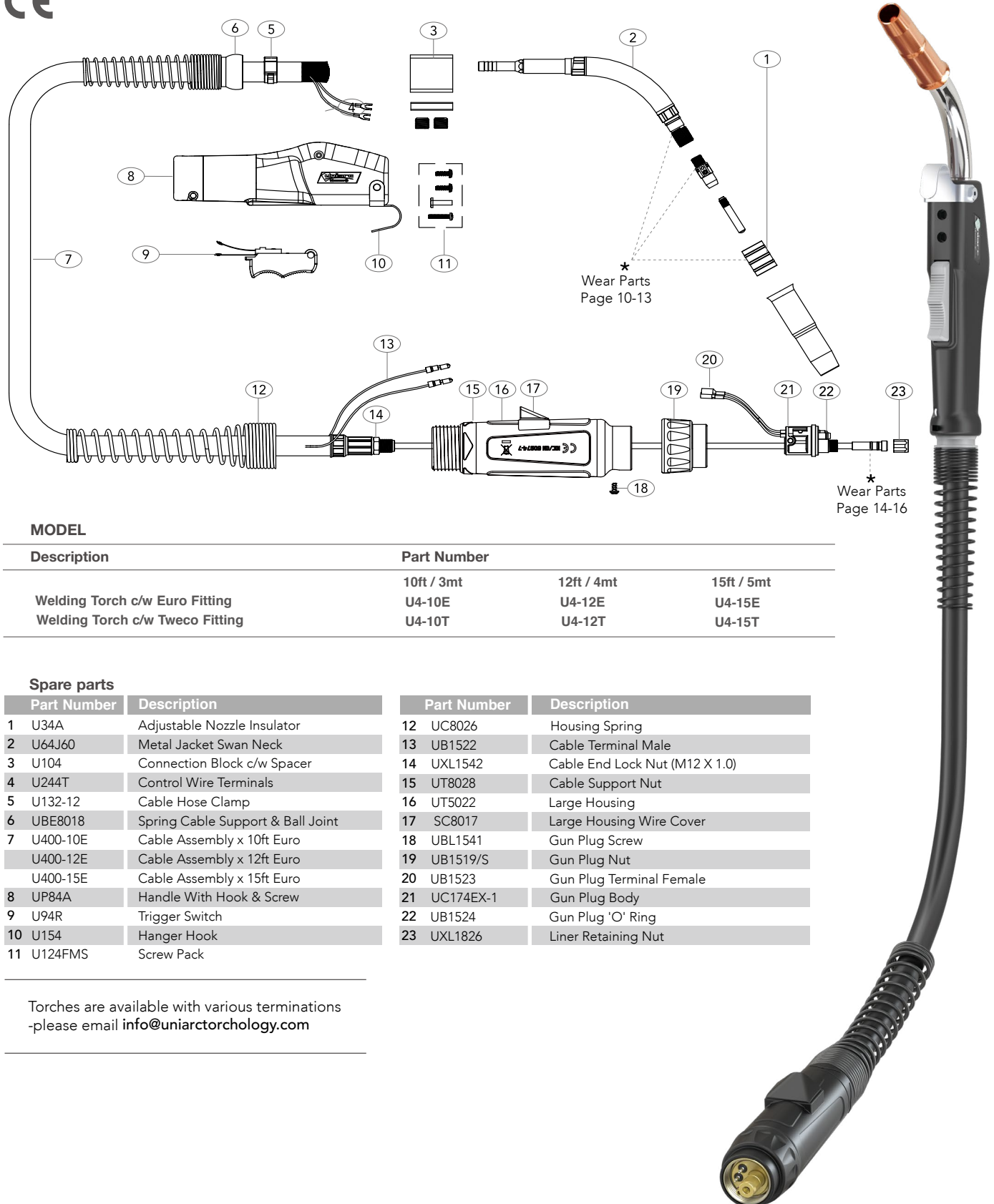
Description	Part Number		
	10ft / 3mt	12ft / 4mt	15ft / 5mt
Welding Torch c/w Euro Fitting	U3-10E	U3-12E	U3-15E
Welding Torch c/w Tweco Fitting	U3-10T	U3-12T	U3-15T

Spare parts

Part Number	Description	Part Number	Description
1 U34A	Adjustable Nozzle Insulator	12 UC8026	Housing Spring
2 U63J60	Metal Jacket Swan Neck	13 UB1522	Cable Terminal Male
3 U102	Block c/w Spacer & Screws	14 UXL1542	Cable End Lock Nut (M12 x 1.0)
4 U244T	Control Wire Terminals	15 UT8028	Cable Support Nut
5 U132-12	Cable Hose Clamp	16 UT5022	Large Housing
6 UT8018S	Spring Cable Support Medium & Ball Joint	17 SC8017	Large Housing Wire Cover
7 U300-10E	Cable Assembly x 10ft Euro	18 UBL1541	Gun Plug Screw
U300-12E	Cable Assembly x 12ft Euro	19 UB1519/S	Gun Plug Nut
U300-15E	Cable Assembly x 15ft Euro	20 UB1523	Gun Plug Terminal Female
8 UP83	Handle With Hook & Screw	21 UC174EX-1	Gun Plug Body
9 U92	Trigger Switch	22 UB1524	Gun Plug 'O' Ring
10 U152	Hanger Hook	23 UXL1826	Liner Retaining Nut
11 U122FMS	Screw Pack		

Torches are available with various terminations
-please email info@uniarctorchology.com

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



MODEL

Description	Part Number		
Welding Torch c/w Euro Fitting	10ft / 3mt	12ft / 4mt	15ft / 5mt
Welding Torch c/w Tweco Fitting	U4-10E	U4-12E	U4-15E
	U4-10T	U4-12T	U4-15T

Spare parts

Part Number	Description	Part Number	Description
1	U34A Adjustable Nozzle Insulator	12	UC8026 Housing Spring
2	U64J60 Metal Jacket Swan Neck	13	UB1522 Cable Terminal Male
3	U104 Connection Block c/w Spacer	14	UXL1542 Cable End Lock Nut (M12 X 1.0)
4	U244T Control Wire Terminals	15	UT8028 Cable Support Nut
5	U132-12 Cable Hose Clamp	16	UT5022 Large Housing
6	UBE8018 Spring Cable Support & Ball Joint	17	SC8017 Large Housing Wire Cover
7	U400-10E Cable Assembly x 10ft Euro	18	UBL1541 Gun Plug Screw
	U400-12E Cable Assembly x 12ft Euro	19	UB1519/S Gun Plug Nut
	U400-15E Cable Assembly x 15ft Euro	20	UB1523 Gun Plug Terminal Female
8	UP84A Handle With Hook & Screw	21	UC174EX-1 Gun Plug Body
9	U94R Trigger Switch	22	UB1524 Gun Plug 'O' Ring
10	U154 Hanger Hook	23	UXL1826 Liner Retaining Nut
11	U124FMS Screw Pack		

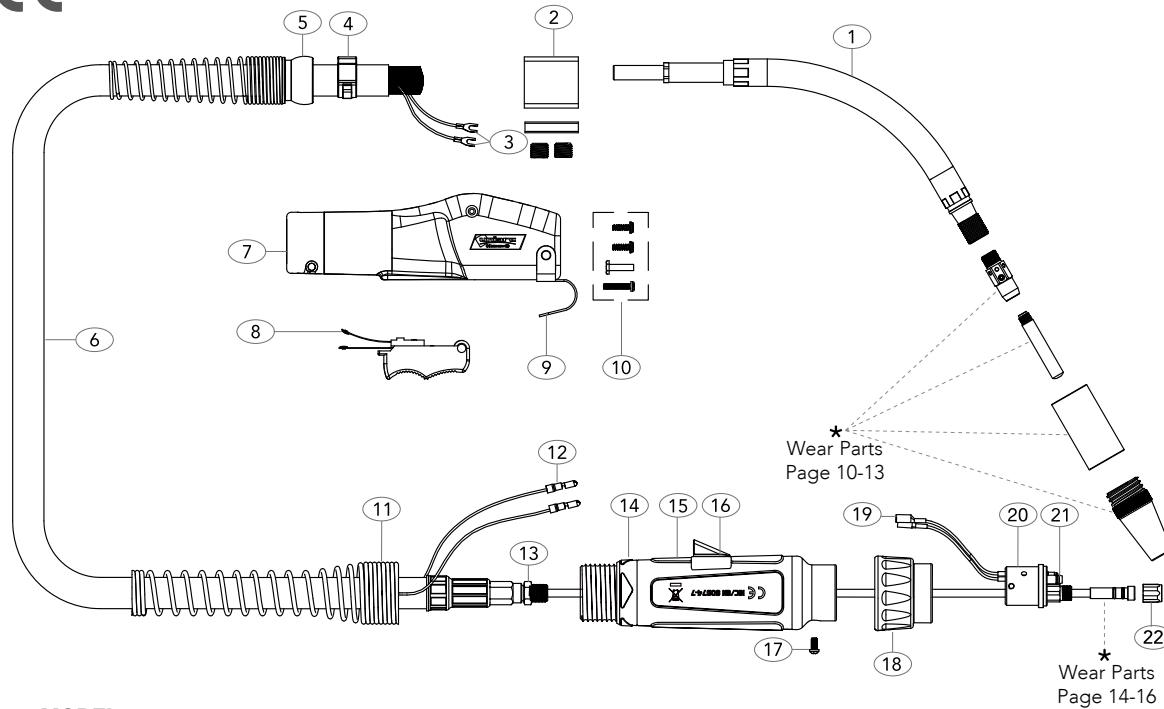
Torches are available with various terminations
-please email info@uniarctorchology.com

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

TW NO.5 Air-Cooled Mig Welding Torch

Rating: 500A CO₂ 400A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.9 to 2.8mm / 0.035-3/32" wires

Euro Terminations



MODEL

Description	Part Number		
	10ft / 3mt	12ft / 4mt	15ft / 5mt
Welding Torch c/w Euro Fitting	U5-10E	U5-12E	U5-15E
Welding Torch c/w Tweco Fitting	U5-10T	U5-12T	U5-15T

Spare part

Part Number	Description	Part Number	Description
1 U65J60	Metal Jacket Swan Neck	15 UT5022	Large Housing
2 U104	Connection Block c/w Spacer	16 SC8017	Large Housing Wire Cover
3 U244T	Control Wire Terminals	17 UB1526	Gun Plug Screw
4 U134-14	Cable Hose Clamp	18 UB1519/S	Gun Plug Nut
5 UBE8018	Spring Cable Support & Ball Joint	19 UB1523	Gun Plug Terminal Female
6 U500-10E	Cable Assembly x 10ft Euro	20 U174EX-1	Gun Plug Body
U500-12E	Cable Assembly x 12ft Euro	21 UB1524	Gun Plug 'O' Ring
U500-15E	Cable Assembly x 15ft Euro	22 UXL1826	Liner Retaining Nut
7 UP85	Handle With Hook & Screw		
8 U94R	Trigger Switch		
9 U154	Hanger Hook		
10 U124FMS	Screw Pack		
11 UC8026	Housing Spring		
12 UB1522	Cable Terminal Male		
13 UXL1542	Cable End Lock Nut (M12 x 1.0)		
14 UT8028	Cable Support Nut		

Torches are available with various terminations
-please email info@uniarctorchology.com



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

Wear Parts

TWC Nozzles

Part No. Description

Bore Length Wall

Material

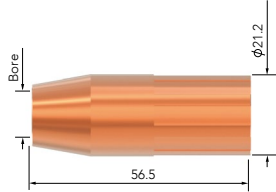
TW NO. 1

TW NO. 2

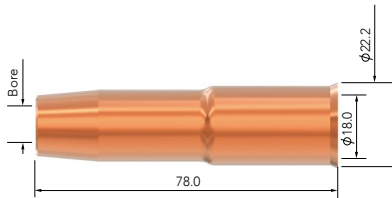
TW NO. 3

TW NO. 4

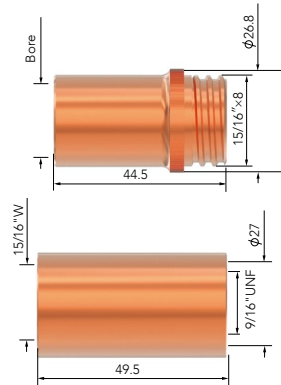
TW NO. 5



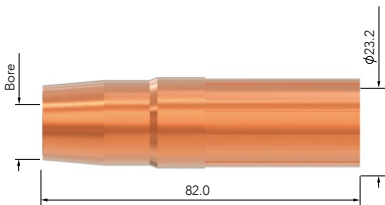
U21-37	Nozzle Self Insulated	9.5	56.5mm	1.6mm	Copper	●	●	●	●	●
U21-50	Nozzle Self Insulated	12.7	56.5mm	1.6mm	Copper	●	●	●	●	●
U21-62	Nozzle Self Insulated	15.9	52.5mm	1.6mm	Copper	●	●	●	●	●



U22-50	Nozzle Adjustable	12.8	78mm	1.25mm	Copper	●	●	●	●	●
U22-62	Nozzle Adjustable	16.0	78mm	1.25mm	Copper	●	●	●	●	●



U24CT-50S	Nozzle Fixed Coarse Thread	12.8	44.5mm	1.95mm	Copper	●	●	●	●	●
U24CT-62S	Nozzle Fixed Coarse Thread	16.0	44.5mm	1.90mm	Copper	●	●	●	●	●
U24CT-75S	Nozzle Fixed Coarse Thread	19.0	44.5mm	2.45mm	Copper	●	●	●	●	●
U34CT	Nozzle Insulator Coarse Thread		49.5mm			●	●	●	●	●



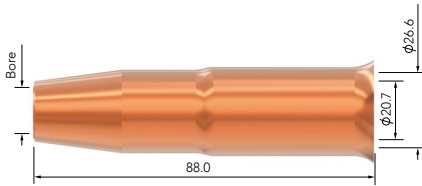
U23-50	Nozzle Self Insulated	12.7	82mm	1.60mm	Copper	●	●	●	●	●
U23-62	Nozzle Self Insulated	15.9	82mm	1.60mm	Copper	●	●	●	●	●
U23-75	Nozzle Self Insulated	19.0	82mm	1.60mm	Copper	●	●	●	●	●

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

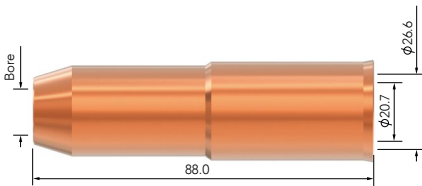
Wear Parts

TWC Nozzles

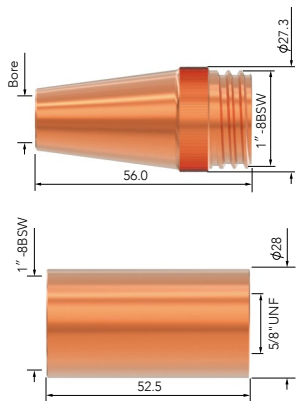
Part No. Description Bore Length Wall Material TW NO.1 TW NO.2 TW NO.3 TW NO.4 TW NO.5



U24A-50	Nozzle Adjustable	12.8	88mm	1.25mm	Copper					
U24A-62	Nozzle Adjustable	16.0	88mm	1.25mm	Copper					
U24A-75	Nozzle Adjustable	19.0	88mm	1.25mm	Copper					



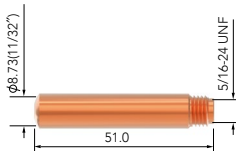
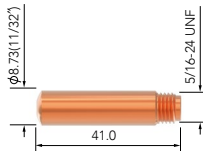
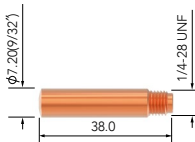
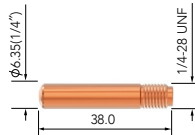
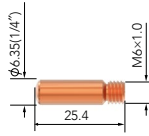
U24AH-50	Nozzle Heavy Duty	12.8		2.25mm	Copper					
U24AH-62	Nozzle Heavy Duty	16.0		2.25mm	Copper					
U24AH-75	Nozzle Heavy Duty	19.0		2.25mm	Copper					



U25CT-50	Nozzle Fixed Coarse Thread	12.8	56mm	1.6mm	Copper					
U25CT-62	Nozzle Fixed Coarse Thread	16.0	56mm	1.95mm	Copper					
U25CT-75	Nozzle Fixed Coarse Thread	19.0	56mm	2.45mm	Copper					
U35CT	Nozzle Insulator Coarse Thread				Copper					

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

Wear Parts



TWC Contact Tips

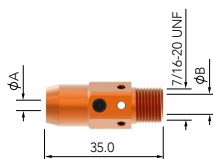
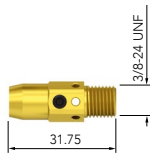
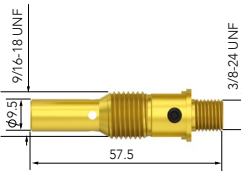
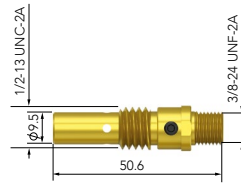
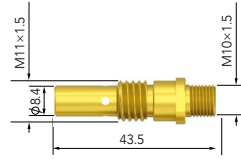
Part No.	Description	Material	Wire Size mm-INCH	TW NO.1	TW NO.2	TW NO.3	TW NO.4	TW NO.5
U11-23	Contact Tip	Ecu	0.6-0.023"	●	●	●	●	●
U11-30	Contact Tip	Ecu	0.8-0.030"	●	●	●	●	●
U11-35	Contact Tip	Ecu	0.9-0.035"	●	●	●	●	●
U11-40	Contact Tip	Ecu	1.0-0.040"	●	●	●	●	●
U11-45	Contact Tip	Ecu	1.2-0.045"	●	●	●	●	●
U14-23	Contact Tip	Ecu	0.6-0.023"	●	●	●	●	●
U14-30	Contact Tip	Ecu	0.8-0.030"	●	●	●	●	●
U14-35	Contact Tip	Ecu	0.9-0.035"	●	●	●	●	●
U14-40	Contact Tip	Ecu	1.0-0.040"	●	●	●	●	●
U14-45	Contact Tip	Ecu	1.2-0.045"	●	●	●	●	●
U14-52	Contact Tip	Ecu	1.3-0.052"	●	●	●	●	●
U14-116	Contact Tip	Ecu	1.6-0.063"	●	●	●	●	●
U14-564	Contact Tip	Ecu	2.0-0.063"	●	●	●	●	●
U14H-30	Contact Tip	Ecu	0.8-0.030"	●	●	●	●	●
U14H-35	Contact Tip	Ecu	0.9-0.035"	●	●	●	●	●
U14H-40	Contact Tip	Ecu	1.0-0.040"	●	●	●	●	●
U14H-45	Contact Tip	Ecu	1.2-0.045"	●	●	●	●	●
U14H-52	Contact Tip	Ecu	1.3-0.052"	●	●	●	●	●
U14H-116	Contact Tip	Ecu	1.6-1/16"	●	●	●	●	●
U14H-564	Contact Tip	Ecu	2.0-5/64"	●	●	●	●	●
U15HFC-40	Contact Tip	Ecu	1.0-0.040"	●	●	●	●	●
U15HFC-45	Contact Tip	Ecu	1.2-0.045"	●	●	●	●	●
U15HFC-52	Contact Tip	Ecu	1.3-0.052"	●	●	●	●	●
U15HFC-116	Contact Tip	Ecu	1.6-1/16"	●	●	●	●	●
U15HFC-332	Contact Tip	Ecu	2.4-3/32"	●	●	●	●	●
U15HFC-564	Contact Tip	Ecu	2.0-5/64"	●	●	●	●	●
U15H-30	Contact Tip	Ecu	0.8-0.030"	●	●	●	●	●
U15H-35	Contact Tip	Ecu	0.9-0.035"	●	●	●	●	●
U15H-40	Contact Tip	Ecu	1.0-0.040"	●	●	●	●	●
U15H-45	Contact Tip	Ecu	1.2-0.045"	●	●	●	●	●
U15H-52	Contact Tip	Ecu	1.3-0.052"	●	●	●	●	●
U15H-116	Contact Tip	Ecu	1.6-1/16"	●	●	●	●	●
U15H-332	Contact Tip	Ecu	2.4-3/32"	●	●	●	●	●
U15H-564	Contact Tip	Ecu	2.0-5/64"	●	●	●	●	●

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

Wear Parts








TWC Diffuser

Part No.	Description	Bore	Material	TW NO.1	TW NO.2	TW NO.3	TW NO.4	TW NO.5
U51	Gas Diffuser		Brass	●	●	●	●	●
U52	Gas Diffuser		Brass	●	●	●	●	●
U52FN	Gas Diffuser For CT/FN Nozzle		Brass	●	●	●	●	●
U54A	Gas Diffuser		Brass	●	●	●	●	●
U55	Gas Diffuser	φA 3.5 φB 6.0	Copper	●	●	●	●	●
U55H	Gas Diffuser	φA 4.0 φB 7.0	Copper	●	●	●	●	●
U55SW	Gas Diffuser	φA 3.5 φB 5.0	Copper	●	●	●	●	●



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








Wear Parts

TWC Liners						TW NO.1	TW NO.2	TW NO.3	TW NO.4	TW NO.5
Part No.	Length	Description	Nipple	Wire Size mm-INCH						
										
U42-3035-15	4.90mt	Steel Liner x 15ft	Moulded Nipple	0.8-0.9/0.030-0.035"	●	●	●	●	●	●
U42-3035-25	8.10mt	Steel Liner x 25ft	Moulded Nipple	0.8-0.9/0.030-0.035"	●	●	●	●	●	●
										
UA42-3035-15	4.90mt	Steel Liner x 15ft	Brass Nipple	0.8-0.9/0.030-0.035"	●	●	●	●	●	●
UA42-3035-25	8.10mt	Steel Liner x 25ft	Brass Nipple	0.8-0.9/0.030-0.035"	●	●	●	●	●	●
										
U42-4045-15	4.90mt	Steel Liner x 15ft	Moulded Nipple	1.0-1.2/0.040-0.045"	●	●	●	●	●	●
U42-4045-25	8.10mt	Steel Liner x 25ft	Moulded Nipple	1.0-1.2/0.040-0.045"	●	●	●	●	●	●
										
UA42-4045-15	4.90mt	Steel Liner x 15ft	Brass Nipple	1.0-1.2/0.040-0.045"	●	●	●	●	●	●
UA42-4045-25	8.10mt	Steel Liner x 25ft	Brass Nipple	1.0-1.2/0.040-0.045"	●	●	●	●	●	●
										
U42N-4045-15	4.90mt	Polyamide Liner x 15ft	Brass Nipple	1.0-1.2/0.040-0.045"	●	●	●	●	●	●
U42N-4045-25	8.10mt	Polyamide Liner x 25ft	Brass Nipple	1.0-1.2/0.040-0.045"	●	●	●	●	●	●
										
U44-3545-15	4.90mt	Steel Liner x 15ft	Moulded Nipple	0.9-1.2/0.035-0.045"	●	●	●	●	●	●
U44-3545-25	8.10mt	Steel Liner x 25ft	Moulded Nipple	0.9-1.2/0.035-0.045"	●	●	●	●	●	●
										
UA44-3545-15	4.90mt	Steel Liner x 15ft	Brass Nipple	0.9-1.2/0.035-0.045"	●	●	●	●	●	●
UA44-3545-25	8.10mt	Steel Liner x 25ft	Brass Nipple	0.9-1.2/0.035-0.045"	●	●	●	●	●	●

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

Wear Parts







TWC Liners

Part No.	Length	Description	Nipple	Wire Size mm-INCH	TW NO.1	TW NO.2	TW NO.3	TW NO.4	TW NO.5
									
U44-116-15	4.90mt	Steel Liner x 15ft	Moulded Nipple	1.6-1/16"	●	●	●	●	●
U44-116-25	8.10mt	Steel Liner x 25ft	Moulded Nipple	1.6-1/16"	●	●	●	●	●
									
UA44-116-15	4.90mt	Steel Liner x 15ft	Brass Nipple	1.6-1/16"	●	●	●	●	●
UA44-116-25	8.10mt	Steel Liner x 25ft	Brass Nipple	1.6-1/16"	●	●	●	●	●
									
U44N-116-15	4.90mt	Polyamide Liner x 15ft	Brass Nipple	1.6-1/16"	●	●	●	●	●
U44N-116-25	8.10mt	Polyamide Liner x 25ft	Brass Nipple	1.6-1/16"	●	●	●	●	●
									
U44-564-15	4.90mt	Steel Liner x 15ft	Moulded Nipple	2.0-5/64"	●	●	●	●	●
U44-564-25	8.10mt	Steel Liner x 25ft	Moulded Nipple	2.0-5/64"	●	●	●	●	●
									
UA44-564-15	4.90mt	Steel Liner x 15ft	Brass Nipple	2.0-5/64"	●	●	●	●	●
UA44-564-25	8.10mt	Steel Liner x 25ft	Brass Nipple	2.0-5/64"	●	●	●	●	●
									
U45-3545-15	4.90mt	Steel Liner x 15ft	Moulded Nipple	0.9-1.2/0.035-0.045"	●	●	●	●	●
U45-3545-25	8.10mt	Steel Liner x 25ft	Moulded Nipple	0.9-1.2/0.035-0.045"	●	●	●	●	●
									
UA45-3545-15	4.90mt	Steel Liner x 15ft	Brass Nipple	0.9-1.2/0.035-0.045"	●	●	●	●	●
UA45-3545-25	8.10mt	Steel Liner x 25ft	Brass Nipple	0.9-1.2/0.035-0.045"	●	●	●	●	●

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

Wear Parts

TWC Liners

Part No.	Length	Description	Nipple	Wire Size mm-INCH	TW NO.1	TW NO.2	TW NO.3	TW NO.4	TW NO.5
									
U45-116-15	4.90mt	Steel Liner x 15ft	Moulded Nipple	1.6-1/16"	●	●	●	●	●
U45-116-25	8.10mt	Steel Liner x 25ft	Moulded Nipple	1.6-1/16"	●	●	●	●	●
									
UA45-116-15	4.90mt	Steel Liner x 15ft	Brass Nipple	1.6-1/16"	●	●	●	●	●
UA45-116-25	8.10mt	Steel Liner x 25ft	Brass Nipple	1.6-1/16"	●	●	●	●	●
									
U45-564-15	4.90mt	Steel Liner x 15ft	Moulded Nipple	2.0-5/64"	●	●	●	●	●
U45-564-25	8.10mt	Steel Liner x 25ft	Moulded Nipple	2.0-5/64"	●	●	●	●	●
									
UA45-564-15	4.90mt	Steel Liner x 15ft	Brass Nipple	2.0-5/64"	●	●	●	●	●
UA45-564-25	8.10mt	Steel Liner x 25ft	Brass Nipple	2.0-5/64"	●	●	●	●	●
									
U45-332-15	4.90mt	Steel Liner x 15ft	Moulded Nipple	2.4-3/32"	●	●	●	●	●
U45-332-25	8.10mt	Steel Liner x 25ft	Moulded Nipple	2.4-3/32"	●	●	●	●	●
									
UA45-332-15	4.90mt	Steel Liner x 15ft	Brass Nipple	2.4-3/32"	●	●	●	●	●
UA45-332-25	8.10mt	Steel Liner x 25ft	Brass Nipple	2.4-3/32"	●	●	●	●	●

● 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

Email: info@uniarctorchology.com

MPU032 / V.2022.08