



Welding & Cutting Torch Technology

Product Catalogue

BND 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.uniarctorchology.com

Contents

Features Focus	2
Range Overview	3

Torch Model	
BN300E	4
BN400E	5

Wear Parts	
BND Nozzles	6
BND Contact Tips	7
BND Diffusers	7
BND Liners	8

Consumable Parts

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

Hanger Hook

Encourages 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.

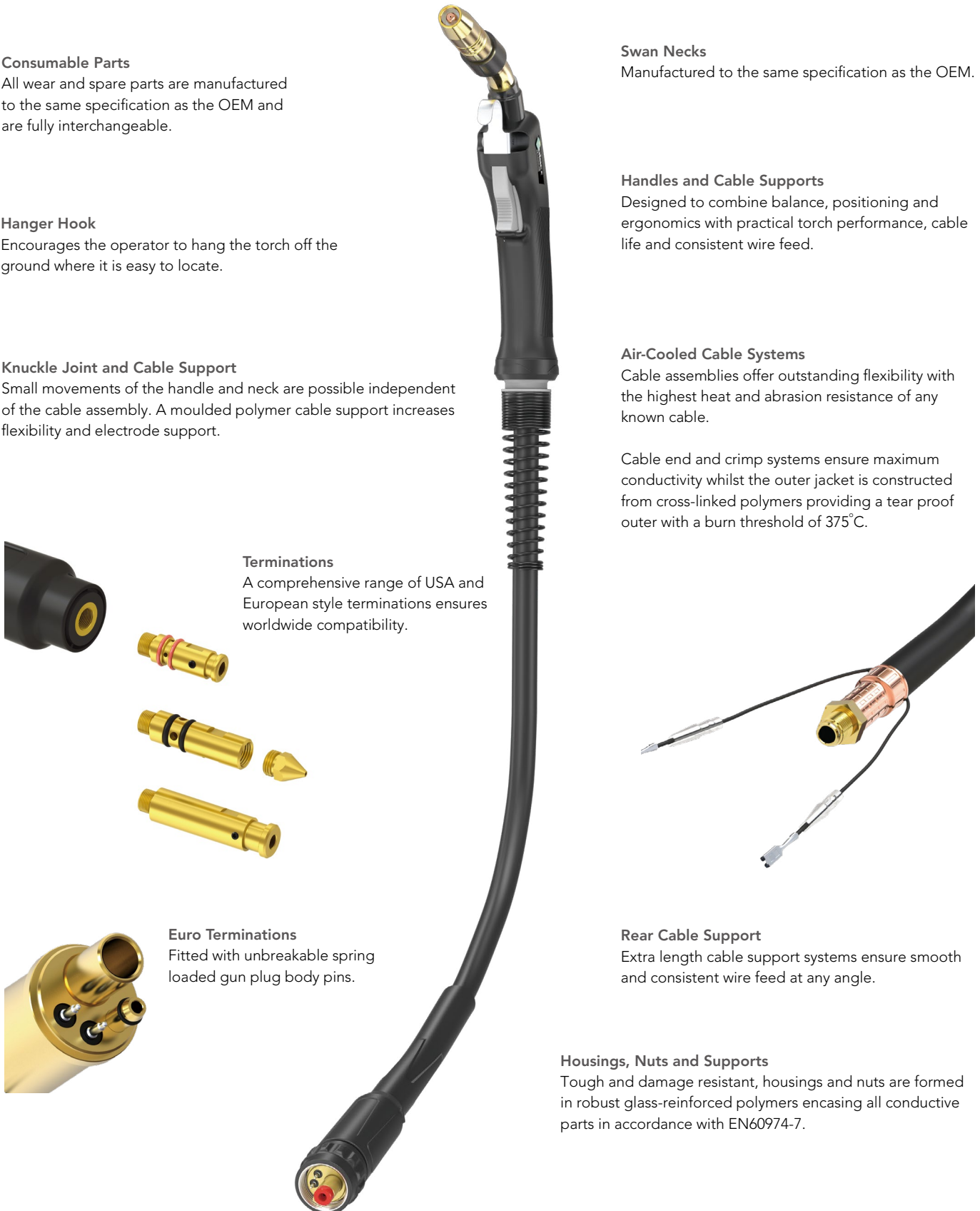
Cable end and crimp systems ensure maximum conductivity whilst the outer jacket is constructed from cross-linked polymers providing a tear proof outer with a burn threshold of 375°C.

Rear Cable Support

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

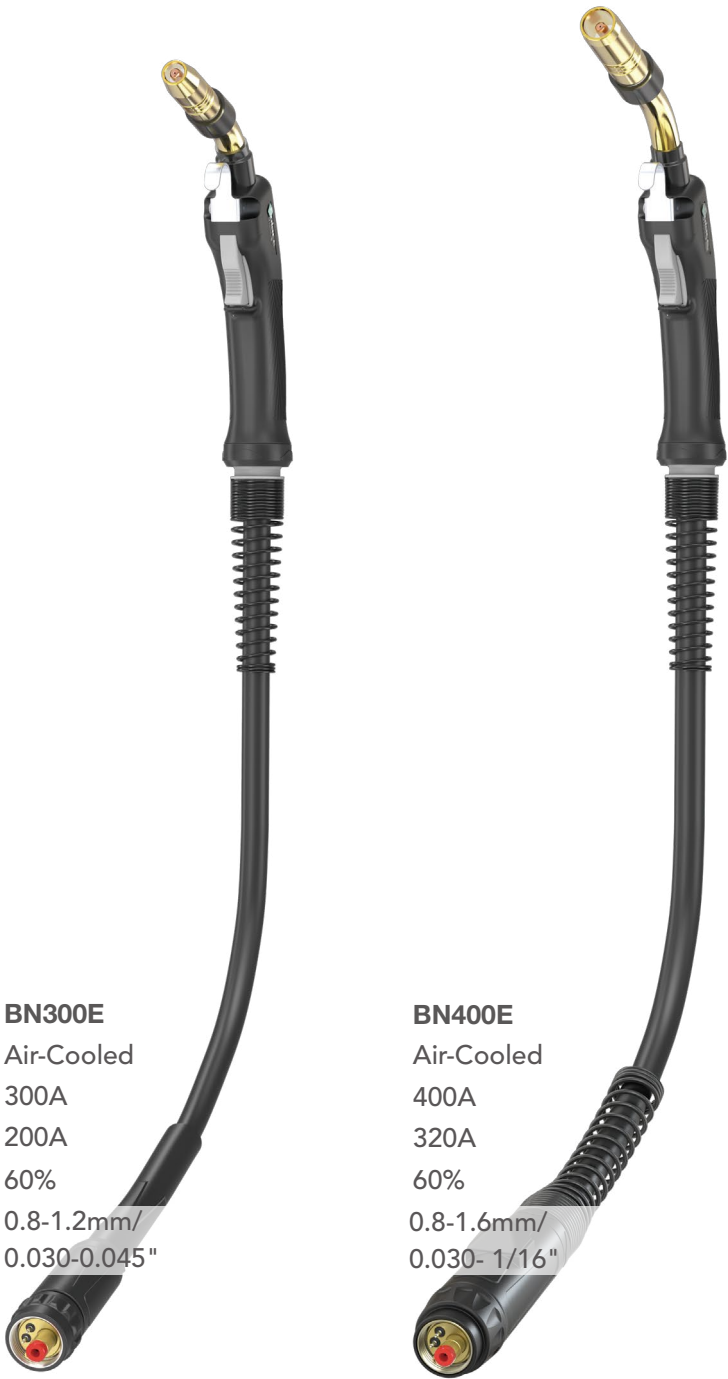
Housings, Nuts and Supports

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



BND Mig / Mag Air-Cooled Series

Ratings: 200 Amp to 320 Amp, Mixed Gas M21



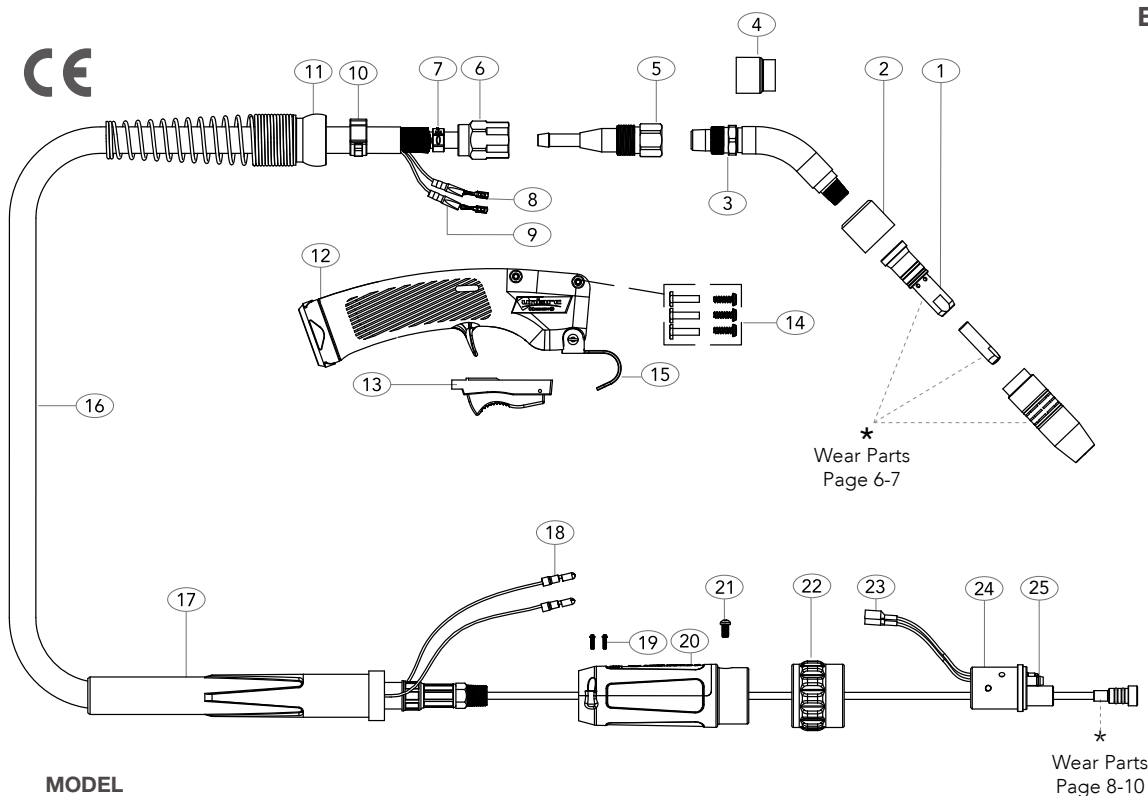
Technical Data

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

BN300E
Air-Cooled
300A
200A
60%
0.8-1.2mm/
0.030-0.045"

BN400E
Air-Cooled
400A
320A
60%
0.8-1.6mm/
0.030- 1/16"

Order Codes	10ft / 3mt	U4E310AE/T/M/L	U4E410AE/T/M/L
	12ft / 4mt	U4E312AE/T/M/L	U4E412AE/T/M/L
	15ft / 5mt	U4E315AE/T/M/L	U4E415AE/T/M/L



MODEL

Description	Part Number		
	10ft / 3mt	12ft / 4mt	15ft / 5mt
Welding Torch c/w Euro Fitting	U4E310AE	U4E312AE	U4E315AE
Welding Torch c/w Tweco Fitting	U4E310T	U4E312T	U4E315T

Spare parts

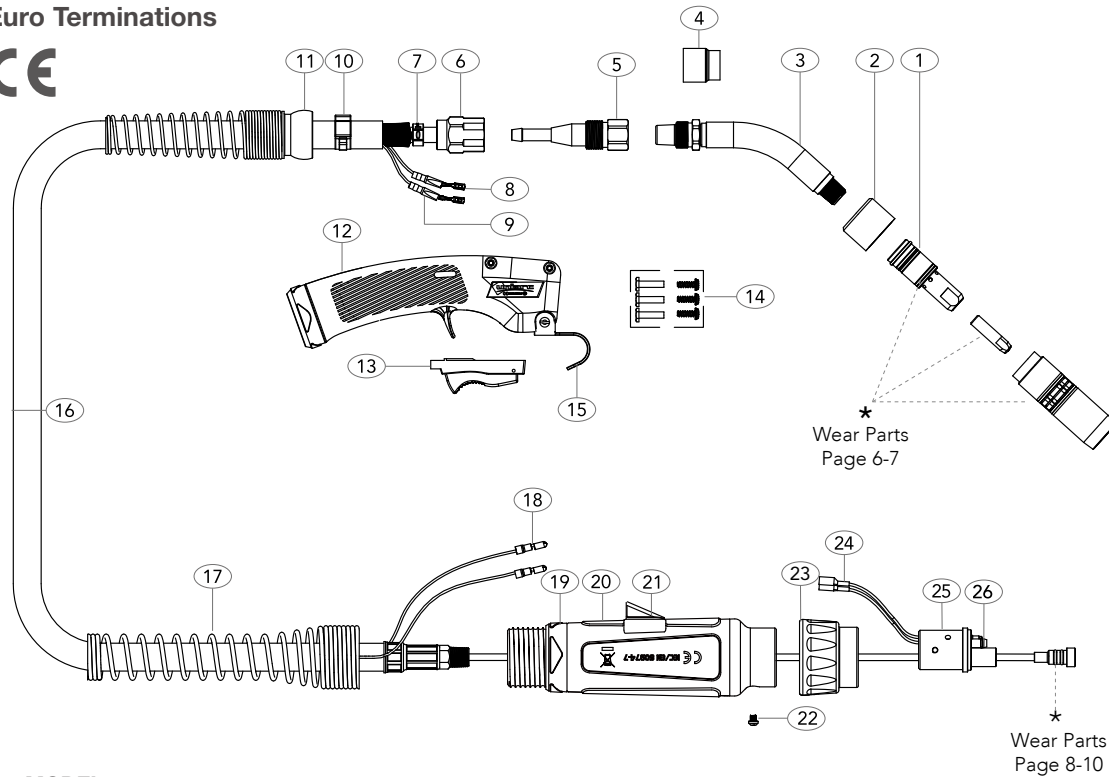
Part Number	Description	Part Number	Description
1 U4335	Head Assembly	15 UR4238	Hanger Hook
2 U4323R	Rubber Cap	16 U4261TE	Cable Assembly x 10ft
3 U4786	Swan Neck	U4262TE	Cable Assembly x 12ft
4 U4780	Neck Insulator	U4265TE	Cable Assembly x 15ft
5 U4213B	End Fitting	17 UPA3541	Cable Support
6 UR4305	Cone Nut	18 UB1522	Cable Terminal Male
7 UB5046	Hose Clamp 12mm	19 SCSP1-1	Gun Plug Housing Screw
8 UB1521	Cable Terminal	20 SC2578/L	Gun Plug Housing
9 UB1521-C	Cable Terminal Cover	21 UB1526	Gun Plug Screw
10 UB5044	Hose Clamp 18.5mm	22 UC1519/S	Gun Plug Nut
11 UBE8016	Spring Cable Support & Ball Joint	23 UB1523	Gun Plug Terminal Female
12 UN1780006	Handle Kit	24 U5060	Gun Plug Body
13 U5662	Trigger Switch	25 UB1524	Gun Plug 'O' ring
14 U1880004	Screw Pack		

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

BN400E Air-Cooled Mig Welding Torch

Rating: 400A CO₂ 320A 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	U4E410AE	U4E412AE	U4E415AE
Welding Torch c/w Tweco Fitting	U4E410T	U4E412T	U4E415T

Spare parts

Part Number	Description	Part Number	Description
1 U4435	Head Assembly	15 UR4238	Hanger Hook
2 U4423R	Rubber Cap	16 U4361TE	Cable Assembly x 10ft
3 U4790	Swan Neck	U4362TE	Cable Assembly x 12ft
4 U4780	Neck Insulator	U4365TE	Cable Assembly x 15ft
5 U4213B	End Fitting	17 UC8026	Housing Spring
6 UR4305	Cone Nut	18 UB1522	Cable Terminal Male
7 UB5046	Hose Clamp 12mm	19 UT8028	Cable Support Nut
8 UB1521	Cable Terminal	20 UT5022	Large Housing
9 UB1521-C	Cable Terminal Cover	21 SC8017	Large Housing Wire Cover
10 U132-12	Cable Hose Clamp	22 UB1526	Gun Plug Screw
11 UBE8018	Spring Cable Support & Ball Joint	23 UB1519/S	Gun Plug Nut
12 UN1780006	Handle Kit	24 UB1523	Gun Plug Terminal Female
13 U5662	Trigger Switch	25 U5060	Gun Plug Body
14 U1880004	Screw Pack	26 UB1524	Gun Plug 'O' ring

Torches are available with various terminations
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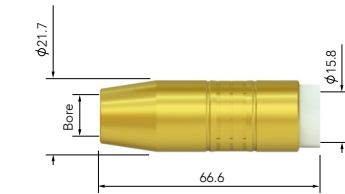


All products conform to EN60974-7, **CE** and are RoHS2, REACH and WEEE compliant

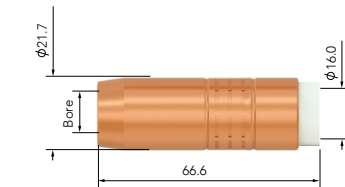
Wear Parts

BND Nozzles

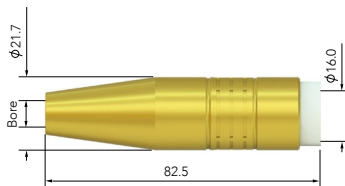
Part No. Description Bore Wall Material BN200E BN300E BN350E BN400E BN'Q'200A BN'Q'350A



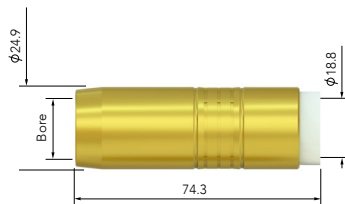
U4391	Conical Nozzle	16.0	2.85mm	Brass	●	●	●	●	●	●
U4392	Tapered Nozzle	12.7	2.85mm	Brass	●	●	●	●	●	●



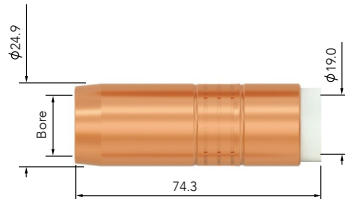
U4393	HD Conical Nozzle	16.0	2.85mm	Copper	●	●	●	●	●	●
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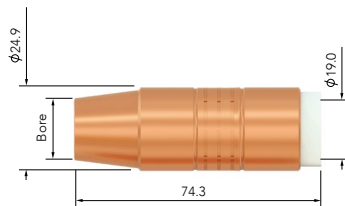
U4295	Pipeline Nozzle	9.50	2.85mm	Brass	●	●	●	●	●	●
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U4491	Conical Nozzle	19.0	2.95mm	Brass	●	●	●	●	●	●
U4492	Tapered Nozzle	14.0	2.95mm	Brass	●	●	●	●	●	●



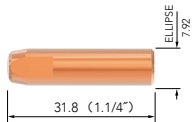
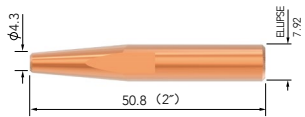
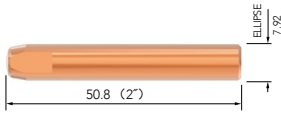
U4591	HD Conical Nozzle	19.0	2.95mm	Copper	●	●	●	●	●	●
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U4592	HD Tapered Nozzle	14.0	2.95mm	Copper	●	●	●	●	●	●
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● Standard wear part range ● Torch package standard wear part set-up

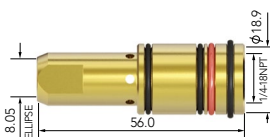
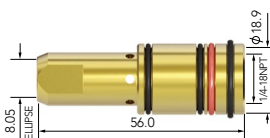
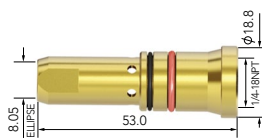
Wear Parts



BND Contact Tips

Part No.	Description	Material	Wire Size MM-INCH	BN200E	BN300E	BN350E	BN400E	BN/Q200A	BN/Q350A
U1588	Contact Tip	Ecu	0.8-0.030"	●	●	●	●	●	●
U1589	Contact Tip	Ecu	0.9-0.035"	●	●	●	●	●	●
U1590	Contact Tip	Ecu	1.2-0.045"	●	●	●	●	●	●
U1591	Contact Tip	Ecu	1.6-1/16"	●	●	●	●	●	●
U1596	Contact Tip	Ecu	1.0-0.040"	●	●	●	●	●	●
U4280	Contact Tip	Ecu	1.6-1/16"	●	●	●	●	●	●
U4281	Contact Tip	Ecu	0.9-0.035"	●	●	●	●	●	●
U4282	Contact Tip	Ecu	1.2-0.045"	●	●	●	●	●	●
U4283	Contact Tip	Ecu	1.4-0.055"	●	●	●	●	●	●
U4285	Contact Tip	Ecu	0.8-0.030"	●	●	●	●	●	●
U7488	Contact Tip	Ecu	0.8-0.030"	●	●	●	●	●	●
U7489	Contact Tip	Ecu	0.9-0.035"	●	●	●	●	●	●
U7490	Contact Tip	Ecu	1.2-0.045"	●	●	●	●	●	●
U7491	Contact Tip	Ecu	1.6-1/16"	●	●	●	●	●	●
U7496	Contact Tip	Ecu	1.0-0.040"	●	●	●	●	●	●
U7498	Contact Tip	Ecu	1.3-0.052"	●	●	●	●	●	●

Wear Parts








BND Diffuser

Part No.	Description	Material	BN200E	BN300E	BN350E	BN400E	BN/Q200A	BN/Q350A
U4335	Head Assembly	Brass	●	●	●	●	●	●
U4435	Head Assembly	Brass	●	●	●	●	●	●
U4635	Head Assembly	Brass	●	●	●	●	●	●

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

Wear Parts






BND Liners

Part No.	Length	Description	Nipple	Wire Size MM-INCH	BN200E	BN300E	BN350E	BN400E	BN/Q200A	BN/Q350A
										
UA43010	3.8mt	Steel Liner x 10ft	Moulded Nipple	0.6-0.8 / 0.023-0.030"	●	●	●	●	●	●
UA43015	4.9mt	Steel Liner x 15ft	Moulded Nipple	0.6-0.8 / 0.023-0.030"	●	●	●	●	●	●
										
UA43010	3.8mt	Steel Liner x 10ft	Brass Nipple	0.6-0.8 / 0.023-0.030"	●	●	●	●	●	●
UA43015	4.9mt	Steel Liner x 15ft	Brass Nipple	0.6-0.8 / 0.023-0.030"	●	●	●	●	●	●
										
UA43110	3.8mt	Steel Liner x 10ft	Moulded Nipple	0.8-1.2 / 0.030-0.045"	●	●	●	●	●	●
UA43115	4.9mt	Steel Liner x 15ft	Moulded Nipple	0.8-1.2 / 0.030-0.045"	●	●	●	●	●	●
UA43125	8.1mt	Steel Liner x 25ft	Moulded Nipple	0.8-1.2 / 0.030-0.045"	●	●	●	●	●	●
										
UA43110	3.8mt	Steel Liner x 10ft	Brass Nipple	0.8-1.2 / 0.030-0.045"	●	●	●	●	●	●
UA43115	4.9mt	Steel Liner x 15ft	Brass Nipple	0.8-1.2 / 0.030-0.045"	●	●	●	●	●	●
UA43125	8.1mt	Steel Liner x 25ft	Brass Nipple	0.8-1.2 / 0.030-0.045"	●	●	●	●	●	●
										
UN43110	3.8mt	Polyamide Liner x 10ft	Brass Nipple	0.8-1.2 / 0.030-0.045"	●	●	●	●	●	●
UN43115	4.9mt	Polyamide Liner x 15ft	Brass Nipple	0.8-1.2 / 0.030-0.045"	●	●	●	●	●	●
UN43125	8.1mt	Polyamide Liner x 25ft	Brass Nipple	0.8-1.2 / 0.030-0.045"	●	●	●	●	●	●

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

Wear Parts





BND Liners

Part No.	Length	Description	Nipple	Wire Size MM-INCH	BN200E	BN300E	BN350E	BN400E	BN'C'200A	BN'C'350A
										
UA3210	3.8mt	Steel Liner x 10ft	Moulded Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
UA3215	4.9mt	Steel Liner x 15ft	Moulded Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
UA3225	8.1mt	Steel Liner x 25ft	Moulded Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
										
UA43210	3.8mt	Steel Liner x 10ft	Brass Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
UA43215	4.9mt	Steel Liner x 15ft	Brass Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
UA43225	8.1mt	Steel Liner x 25ft	Brass Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
										
UN43210	3.8mt	Polyamide Liner x 10ft	Brass Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
UN43215	4.9mt	Polyamide Liner x 15ft	Brass Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
UN43225	8.1mt	Polyamide Liner x 25ft	Brass Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
										
UA4110	3.8mt	Steel Liner x 10ft	Moulded Nipple	0.8-1.2 / 0.030-0.045"	●	●	●	●	●	●
UA4115	4.9mt	Steel Liner x 15ft	Moulded Nipple	0.8-1.2 / 0.030-0.045"	●	●	●	●	●	●
										
UA44110	3.8mt	Steel Liner x 10ft	Brass Nipple	0.8-1.2 / 0.030-0.045"	●	●	●	●	●	●
UA44115	4.9mt	Steel Liner x 15ft	Brass Nipple	0.8-1.2 / 0.030-0.045"	●	●	●	●	●	●

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

Wear Parts

BND Liners

Part No.	Length	Description	Nipple	Wire Size MM-INCH	BN200E	BN300E	BN350E	BN400E	BN/Q200A	BN/Q350A
										
U44210	3.8mt	Steel Liner x 10ft	Moulded Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
U44215	4.9mt	Steel Liner x 15ft	Moulded Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
U44225	8.1mt	Steel Liner x 25ft	Moulded Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
										
UA44210	3.8mt	Steel Liner x 10ft	Brass Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
UA44215	4.9mt	Steel Liner x 15ft	Brass Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
UA44225	8.1mt	Steel Liner x 25ft	Brass Nipple	1.2-1.6 / 0.045-1/16"	●	●	●	●	●	●
										
U44310	3.8mt	Steel Liner x 10ft	Moulded Nipple	2.0-5/64"	●	●	●	●	●	●
U44315	4.9mt	Steel Liner x 15ft	Moulded Nipple	2.0-5/64"	●	●	●	●	●	●
U44325	8.1mt	Steel Liner x 25ft	Moulded Nipple	2.0-5/64"	●	●	●	●	●	●
										
UA44310	3.8mt	Steel Liner x 10ft	Brass Nipple	2.0-5/64"	●	●	●	●	●	●
UA44315	4.9mt	Steel Liner x 15ft	Brass Nipple	2.0-5/64"	●	●	●	●	●	●
UA44325	8.1mt	Steel Liner x 25ft	Brass Nipple	2.0-5/64"	●	●	●	●	●	●

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

Welding & Cutting Torch Technology

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