



BND
MIG/MAG SERIES



Welding Tools for the Professional

A Smart Approach

Parker Torchology is shaped by people with vision, a passion for improvement and a belief in delivering the very best Welding and Cutting Torch Range in the World.

We expect a great deal from our products, so we ask a lot of ourselves and our engineers.

Our mantra: **Innovation, Technology, Performance.**



DNA

Design and Engineering excellence are at the core of everything we do.

Every torch we build is driven by our relentless pursuit of perfection.

Premium Features

At Parker Torchology we do things differently, we strive to solve your problems with the perfect product to suit your needs. We create smart product features encased in cutting-edge design to ensure you always have the best tools to hand.





Production

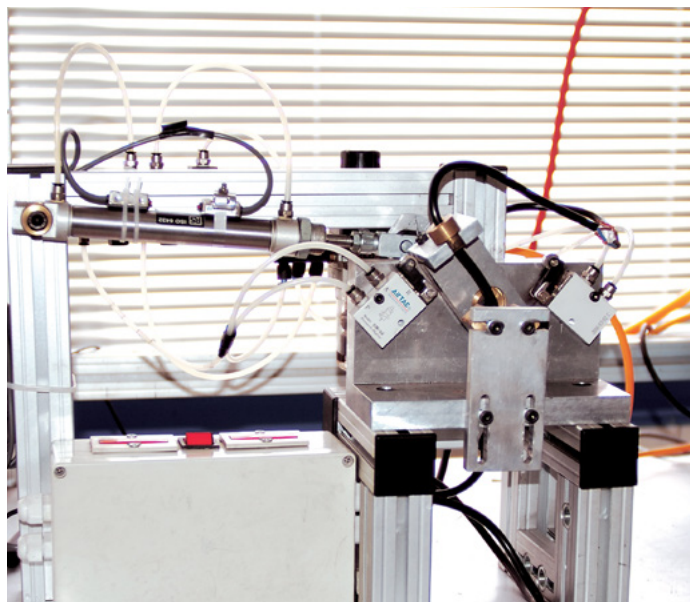
A fusion of precision production engineering, our bespoke processing techniques and a fanatical attention to detail ensures every welding torch we produce is worthy of the Parker Torchology name.

Testing, Testing, Testing

It takes patience to develop a new product, it's a lot more than a great idea.

Product development is an iterative process, trying something over and over, changing one small variable at a time.

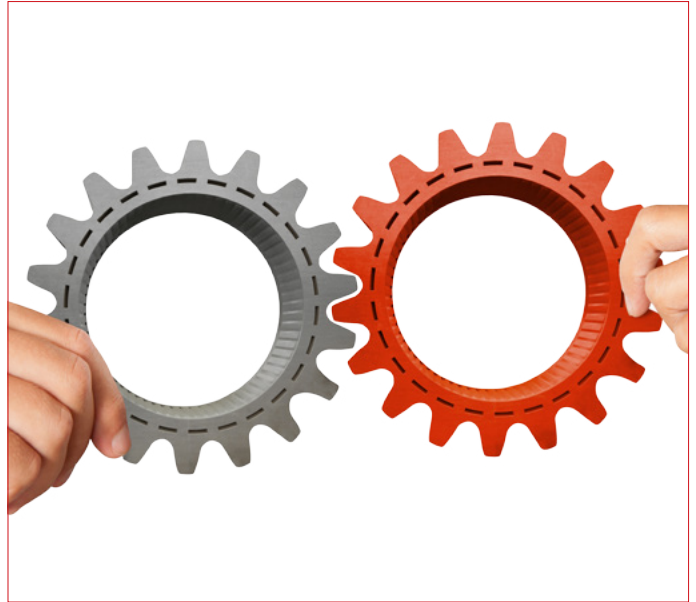
We build endless prototypes and test pieces that undergo months of rigorous testing. Only once a product has passed up to 88 different test procedures, with every single part tested separately do we consider our latest designs ready for market.



Partners

Our customers and business partners play a vital role in our development. With the core aim to strive together, we work with end-users, distributors and academic institutions alike.

As a result we share fundamental values in order to succeed in our respective market places, supporting economic growth and collaborative opportunities with others.



A Bright Future

Technology doesn't stand still, which is why we are constantly innovating to bring you the best products on the market.

Our strong vision and focused innovation strategy, not to mention our passion to revolutionize the industry, ensure that Parker Torchology is a byword for excellence.

We Talk Torches

Contents

BND Mig/Mag Torch Range Features Focus	6
BND Mig/Mag Torch Range Overview and Ratings	7

Torch Range

Air-Cooled	BND Mig/Mag BN 200E	8
	BND Mig/Mag BN 300E	9
	BND Mig/Mag BN 400E	10

Wear Parts

Nozzles	11
Diffusers	11
Contact Tips	12
Liners	13

BND Mig/Mag Torch Range

Air-Cooled Features Focus

The North American style BND Series has been designed in line with the original specification for the harshest of environments.

Air-Cooled

Welding Tools for the Professional

100% Bernard® Compatibility Guaranteed

Quality Wear Parts

All wear parts are manufactured to the same or better specifications as the original and are guaranteed for compatibility, longevity and performance

- Contact tips are manufactured from premium grade copper alloys; we don't sacrifice performance by using low end or recycled raw materials
- The critical part of a BND nozzle is its insulator. We have extensive knowledge of composite insulation materials - in fact we have a division that does just that. We wrap glass mat, bond and cure all our own insulators before even assembling the nozzle
- The correct specification of raw material type, surface finish, tensile strength and the coiling technology utilized to form the liner are all essential elements in achieving the correct manufacture of a liner



Superior Flexibility and Durability

Every detail has been considered to ensure the welder has the very best handling in all positions

- Improved balance and positionability with the addition of a knuckle joint which enables small movements of the handle and neck independently of the cable assembly
- Cable sets offer the ultimate in heat and abrasion resistance, fused by an electron beam process that maximizes flexibility and enhances durability



Tough and Resilient

Glass filled polymers are used to produce tough and resilient handle sets and rear-end housings

- Euro bodies utilize industry standard (thanks to us!) spring pins
- A broad selection of optional rear-end terminations ensure worldwide compatibility



The Smart Way To Buy Welding and Cutting Tools

BND Mig/Mag Torch Range

Ratings: 150 Amp to 320 Amp, Mixed Gas



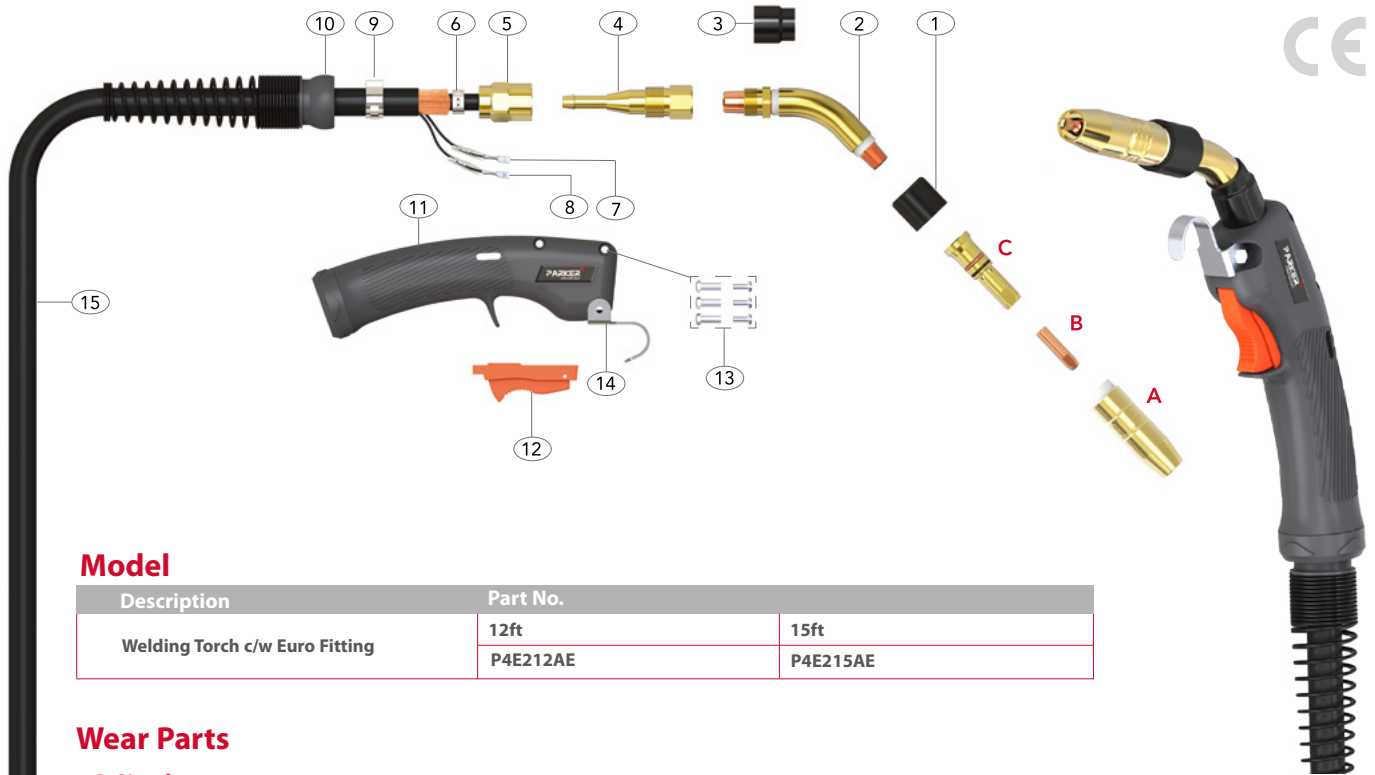
Model	BN 200E	BN 300E	BN 400E
Technical Data			
Cooling Method	Air-Cooled	Air-Cooled	Air-Cooled
Rating: CO ₂	200A	300A	400A
Rating: Mixed Gas	150A	200A	320A
Duty Cycle	60%	60%	60%
Wire Size	0.8-1.2	0.8-1.2	0.8-1.6

Order Codes	12ft	P4E212 AE/M/T/L	P4E312 AE/M/T/L	P4E412 AE/M/T/L
	15ft	P4E215 AE/M/T/L	P4E315 AE/M/T/L	P4E415 AE/M/T/L

BN 200E Mig/Mag Torch Range

Rating: 200A CO₂ 150A mixed gas, EN60974-7 @ 60% duty cycle. 0.8 to 1.2mm / 0.030"-0.045" wires

Air-Cooled Mig Welding Torch



Model

Description	Part No.	
Welding Torch c/w Euro Fitting	12ft	15ft
	P4E212AE	P4E215AE

Wear Parts

A Nozzles

Part No.	Description	Bore	Wall	Material
P4391	Conical Nozzle	16.0	2.85mm	Brass
* P4392	Tapered Nozzle	12.7	2.85mm	Brass
P4393	HD Conical Nozzle	16.0	2.85mm	Copper
P4295	Pipeline Nozzle	9.50	2.85mm	Brass

B Contact Tips

Part No.	Description	Material	Wire Size	
			mm	Inch
P4281	Contact Tip	Ecu	0.9	0.035
P4282	Contact Tip	Ecu	1.2	0.045
P4283	Contact Tip	Ecu	1.4	0.055
P4285	Contact Tip	Ecu	0.8	0.030
P7488	Contact Tip	Ecu	0.8	0.030
P7489	Contact Tip	Ecu	0.9	0.035
* P7490	Contact Tip	Ecu	1.2	0.045
P7496	Contact Tip	Ecu	1.0	0.040

C Diffusers

Part No.	Description	Material
* P4335	Head Assembly	Brass

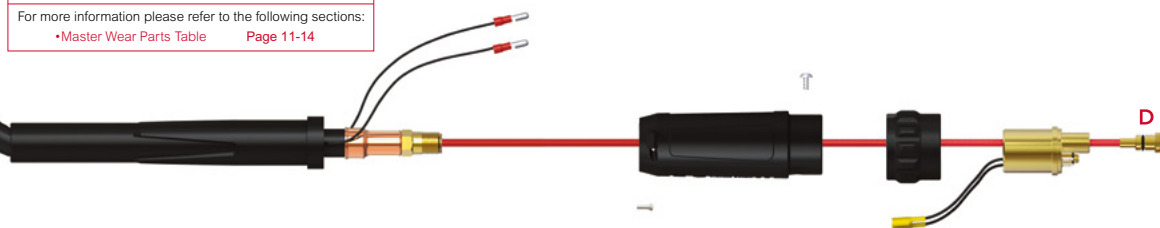
D Liners

Part No.	Description	Length	Wire Size	
			mm	Inch
PA43015	Steel Liner x 15ft	4.90mt	0.6-0.8	0.023-0.030
* PA43115	Steel Liner x 15ft	4.90mt	0.8-1.2	0.030-0.045

Spare Parts

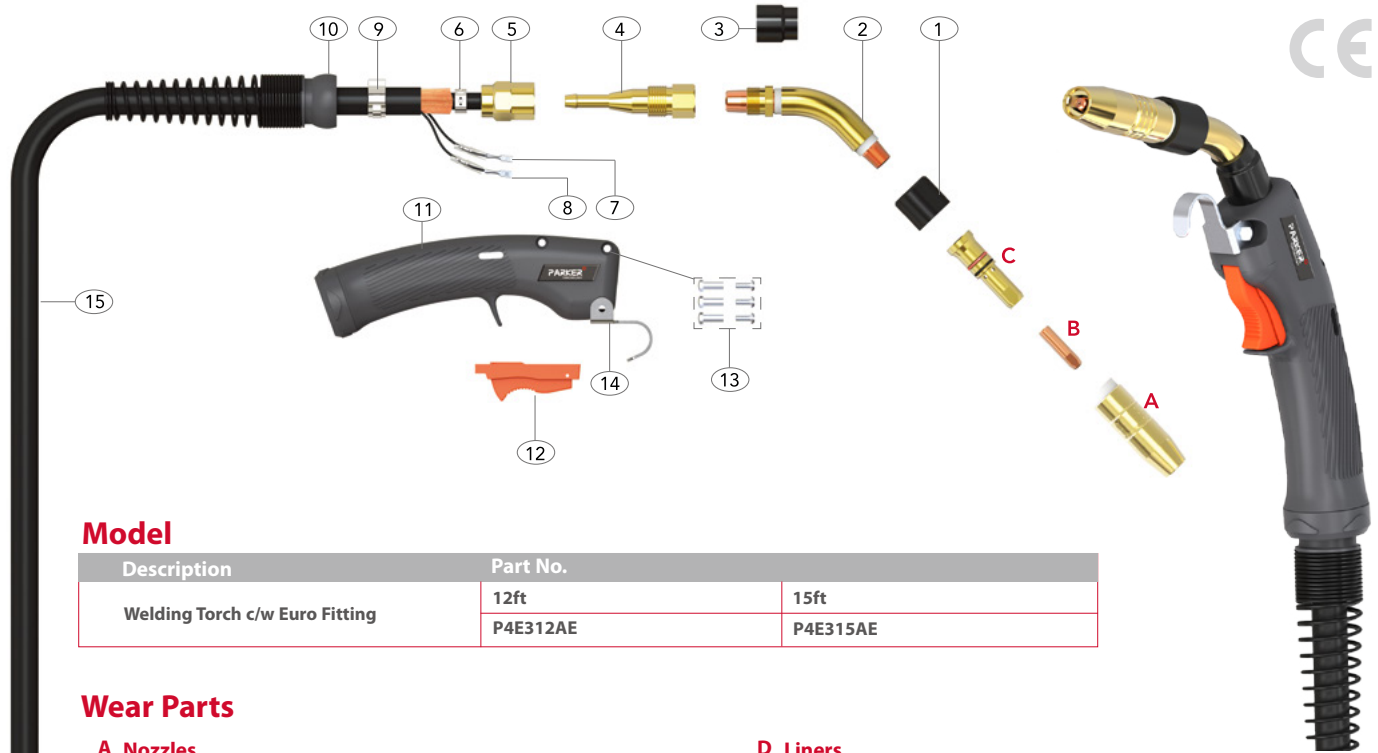
Part No.	Description
1	P4323R Rubber Cap
2	P4786 Swan Neck Assembly
3	P4780 Neck Insulator
4	P4213B End Fitting
5	PR4305 Cone Nut
6	PB5046 Hose Clamp 12mm
7	PB1521 Cable Terminal
8	PB1521-C Cable Terminal Cover
9	PB5044 Hose Clamp 18.5mm
10	PBE8016 Spring Cable Support and Ball Joint
11	PN1780006 Handle Kit c/w Screws and Nuts and Hook
12	P5662 Trigger Switch
13	P1880004 Screw Pack
14	PR4238 Hanger Hook
15	P8682TE Duraflex Cable Assembly x 12ft
	P8685TE Duraflex Cable Assembly x 15ft

*Denotes torch package standard wear part set-up
For more information please refer to the following sections:
•Master Wear Parts Table Page 11-14



BN 300E Mig/Mag Torch Range

Rating: 300A CO₂, 200A mixed gas, EN60974-7 @ 60% duty cycle. 0.8 to 1.2mm / 0.030"-0.045" wires
Air-Cooled Mig Welding Torch



Model

Description	Part No.	
Welding Torch c/w Euro Fitting	12ft	15ft
	P4E312AE	P4E315AE

Wear Parts

A Nozzles

Part No.	Description	Bore	Wall	Material
P4391	Conical Nozzle	16.0	2.85mm	Brass
* P4392	Tapered Nozzle	12.7	2.85mm	Brass
P4393	HD Conical Nozzle	16.0	2.85mm	Copper
P4295	Pipeline Nozzle	9.50	2.85mm	Brass

B Contact Tips

Part No.	Description	Material	Wire Size	
			mm	Inch
P4281	Contact Tip	Ecu	0.9	0.035
P4282	Contact Tip	Ecu	1.2	0.045
P4285	Contact Tip	Ecu	0.8	0.030
P7488	Contact Tip	Ecu	0.8	0.030
P7489	Contact Tip	Ecu	0.9	0.035
* P7490	Contact Tip	Ecu	1.2	0.045
P7496	Contact Tip	Ecu	1.0	0.040

C Diffusers

Part No.	Description	Material
* P4335	Head Assembly	Brass

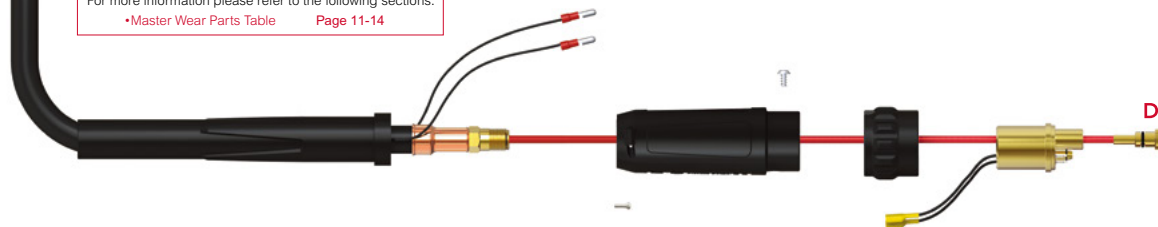
D Liners

Part No.	Description	Length	Wire Size	
			mm	Inch
* PA43115	Steel Liner x 15ft	4.90mt	0.8-1.2	0.030-0.045

Spare Parts

Part No.	Description
1	P4323R Rubber Cap
2	P4786 Swan Neck Assembly
3	P4780 Neck Insulator
4	P4213B End Fitting
5	PR4305 Cone Nut
6	PB5046 Hose Clamp 12mm
7	PB1521 Cable Terminal
8	PB1521-C Cable Terminal Cover
9	PB5044 Hose Clamp 18.5mm
10	PBE8016 Spring Cable Support and Ball Joint
11	PN1780006 Handle Kit c/w Screws and Nuts and Hook
12	P5662 Trigger Switch
13	P1880004 Screw Pack
14	PR4238 Hanger Hook
15	P4262TE Duraflex Cable Assembly x 12ft
	P4265TE Duraflex Cable Assembly x 15ft

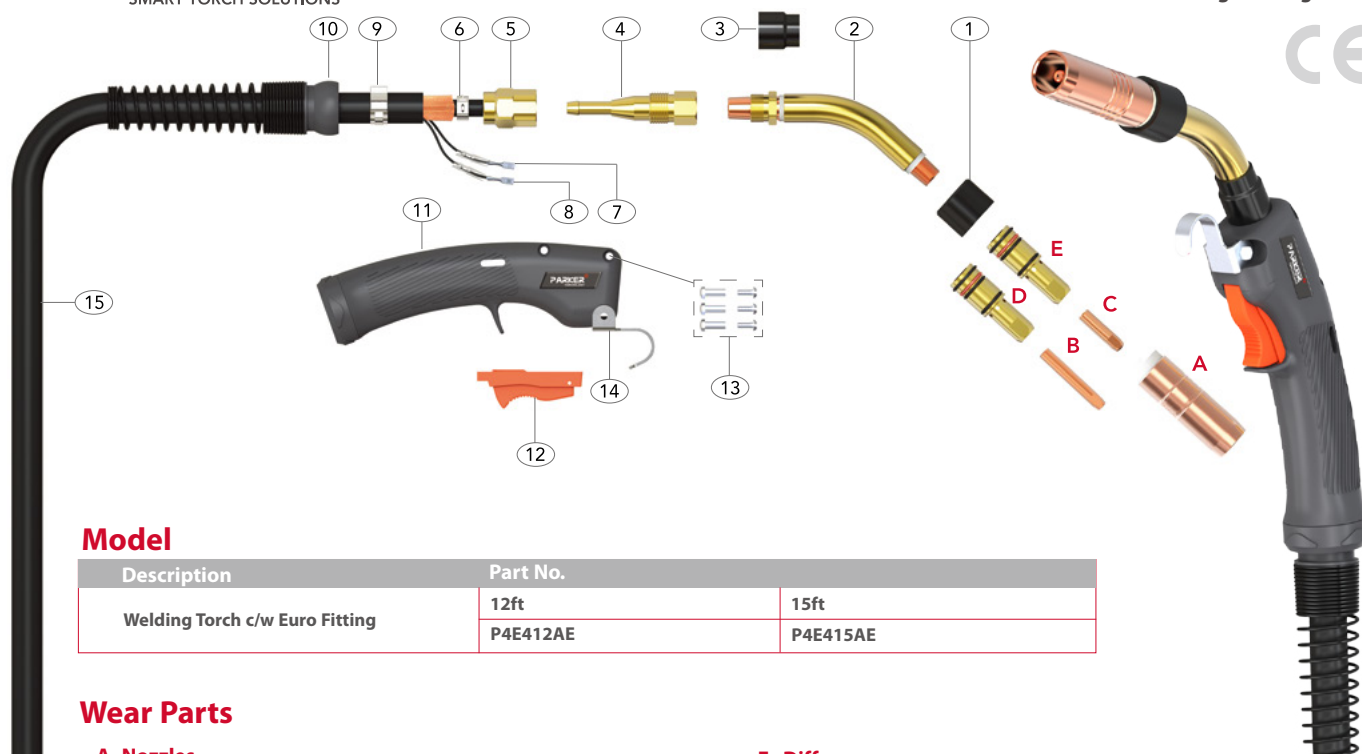
*Denotes torch package standard wear part set-up
For more information please refer to the following sections:
•Master Wear Parts Table Page 11-14



BN 400E Mig/Mag Torch Range

Rating: 400A CO₂, 320A mixed gas, EN60974-7 @ 60% duty cycle. 0.8 to 1.6mm / 0.030"-1/16" wires

Air-Cooled Mig Welding Torch



Model

Description	Part No.	
Welding Torch c/w Euro Fitting	12ft	15ft
	P4E412AE	P4E415AE

Wear Parts

A Nozzles

Part No.	Description	Bore	Wall	Material
*P4491	Conical Nozzle	19.0	2.95mm	Brass
P4492	Tapered Nozzle	14.0	2.95mm	Brass
P4591	HD Conical Nozzle	19.0	2.95mm	Copper
P4592	HD Conical Nozzle	14.0	2.95mm	Copper

B Contact Tips

Part No.	Description	Material	Wire Size	
			mm	Inch
P1588	Contact Tip	Ecu	0.8	0.030
P1589	Contact Tip	Ecu	0.9	0.035
P1590	Contact Tip	Ecu	1.2	0.045
P1591	Contact Tip	Ecu	1.6	1/16"
P1596	Contact Tip	Ecu	1.0	0.040

C Contact Tips

Part No.	Description	Material	Wire Size	
			mm	Inch
P7488	Contact Tip	Ecu	0.8	0.030
P7489	Contact Tip	Ecu	0.9	0.035
*P7490	Contact Tip	Ecu	1.2	0.045
P7491	Contact Tip	Ecu	1.6	1/16"
P7496	Contact Tip	Ecu	1.0	0.040
P7498	Contact Tip	Ecu	1.3	0.052

D Diffusers

Part No.	Description	Material
P4635	Head Assembly	Brass

E Diffusers

Part No.	Description	Material
P4435	Head Assembly	Brass

F Liners

Part No.	Description	Length	Wire Size	
			mm	Inch
*PA44115	Steel Liner x 15ft	4.90mt	0.8-1.2	0.030-0.045
PA44215	Steel Liner x 15ft	4.90mt	1.2-1.6	0.045-1/16"
PA44315	Steel Liner x 15ft	4.90mt	2.0	5/64"

Spare Parts

Part No.	Description
1	P4423R Rubber Cap
2	P4790 Swan Neck Assembly
3	P4780 Neck Insulator
4	P4213B End Fitting
5	PR4305 Cone Nut
6	PB5046 Hose Clamp 12mm
7	PB1521 Cable Terminal
8	PB1521-C Cable Terminal Cover
9	P132-12 Hose Clamp 21mm
10	PBE8018 Spring Cable Support and Ball Joint
11	PN1780006 Handle Kit c/w Screws and Nuts and Hook
12	P5662 Trigger Switch
13	P1880004 Screw Pack
14	PR4238 Hanger Hook
15	P4362TE Duraflex Cable Assembly x 12ft
	P4365TE Duraflex Cable Assembly x 15ft

*Denotes torch package standard wear part set-up

For more information please refer to the following sections:

•Master Wear Parts Table Page 11-14



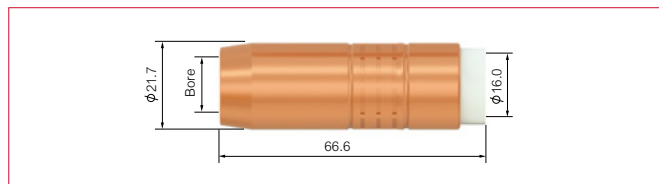
Nozzles

BN 200E/300E

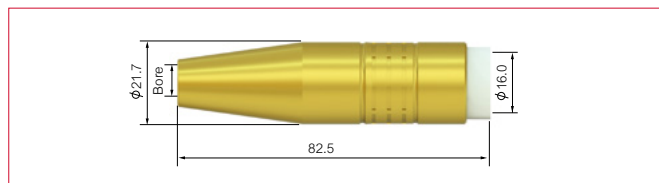
Part No.	Description	Bore	Wall	Material
P4391	Conical Nozzle	16.0	2.85mm	Brass
* P4392	Tapered Nozzle	12.7	2.85mm	Brass



P4393	HD Conical Nozzle	16.0	2.85mm	Copper
-------	-------------------	------	--------	--------

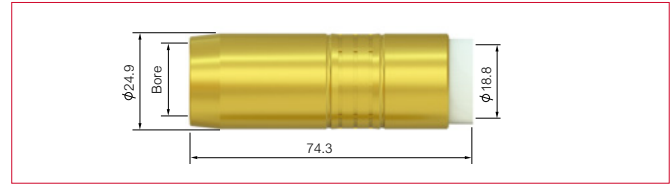


P4295	Pipeline Nozzle	9.50	2.85mm	Brass
-------	-----------------	------	--------	-------

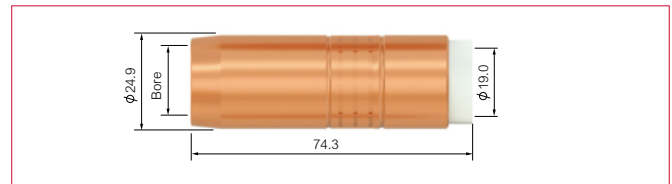


BN 400E

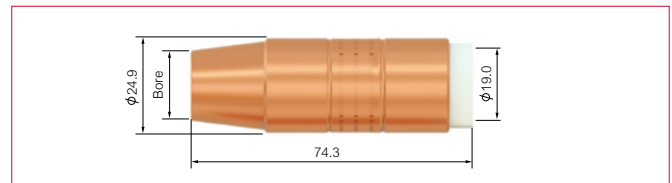
Part No.	Description	Bore	Wall	Material
* P4491	Conical Nozzle	19.0	2.95mm	Brass
P4492	Tapered Nozzle	14.0	2.95mm	Brass



P4591	HD Conical Nozzle	19.0	2.95mm	Copper
-------	-------------------	------	--------	--------



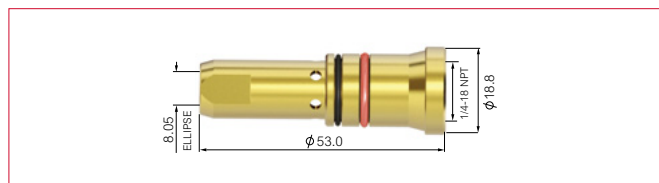
P4592	HD Conical Nozzle	14.0	2.95mm	Copper
-------	-------------------	------	--------	--------



Diffuser

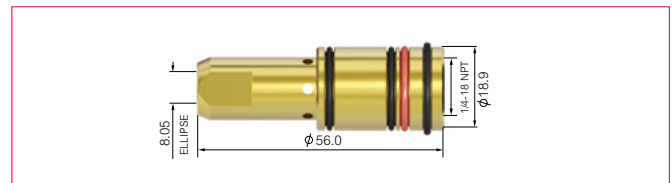
BN 200E/300E

Part No.	Description	Material
* P4335	Head Assembly	Brass

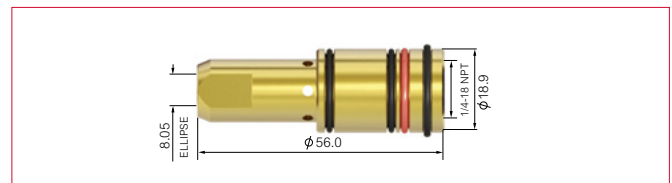


BN 400E

Part No.	Description	Material
* P4435	Head Assembly	Brass



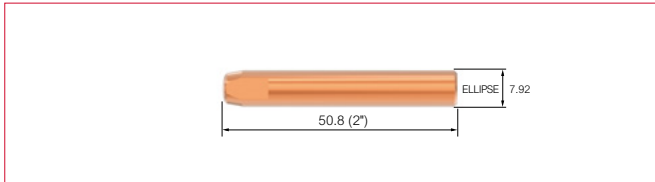
P4635	Head Assembly	Brass
-------	---------------	-------



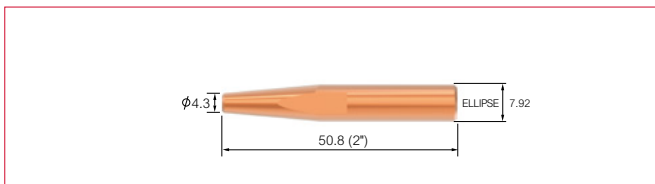
* Denotes torch package standard wear part set-up

BN 200E/300E/400E

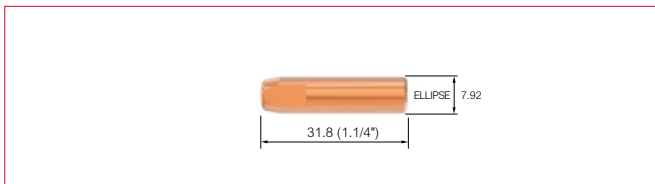
Part No.	Description	Wire Size		Material
		mm	Inch	
P1588	Contact Tip	0.8	0.030	Ecu
P1589	Contact Tip	0.9	0.035	Ecu
P1590	Contact Tip	1.2	0.045	Ecu
P1591	Contact Tip	1.6	1/16"	Ecu
P1596	Contact Tip	1.0	0.040	Ecu



P4280	Contact Tip	1.6	0.063	Ecu
P4281	Contact Tip	0.9	0.035	Ecu
P4282	Contact Tip	1.2	0.045	Ecu
P4283	Contact Tip	1.4	0.055	Ecu
P4285	Contact Tip	0.8	0.030	Ecu



P7488	Contact Tip	0.8	0.030	Ecu
P7489	Contact Tip	0.9	0.035	Ecu
* P7490	Contact Tip	1.2	0.045	Ecu
P7491	Contact Tip	1.6	1/16"	Ecu
P7496	Contact Tip	1.0	0.040	Ecu
P7498	Contact Tip	1.3	0.052	Ecu



* Denotes torch package standard wear part set-up

Liner Options 0.6-0.8mm

BN 200E

Part No.	Description	Length	Nipple	Wire Size	
				mm	inch
PA43015	Steel Liner x 15ft	4.90mt	Brass Nipple	0.6-0.8	0.023-0.030



Liner Options 0.8-1.2mm

BN 200E/300E

Part No.	Description	Length	Nipple	Wire Size	
				mm	inch
* PA43115	Steel Liner x 15ft	4.90mt	Brass Nipple	0.8-1.2	0.030-0.045
PA43125	Steel Liner x 25ft	8.10mt	Brass Nipple	0.8-1.2	0.030-0.045



PN43115	Polyamide Liner x 15ft	4.90mt	Brass Nipple	0.8-1.2	0.030-0.045
PN43125	Polyamide Liner x 25ft	8.10mt	Brass Nipple	0.8-1.2	0.030-0.045



BN 400E

Part No.	Description	Length	Nipple	Wire Size	
				mm	inch
* PA44115	Steel Liner x 15ft	4.90mt	Brass Nipple	0.8-1.2	0.030-0.045



* Denotes torch package standard wear part set-up

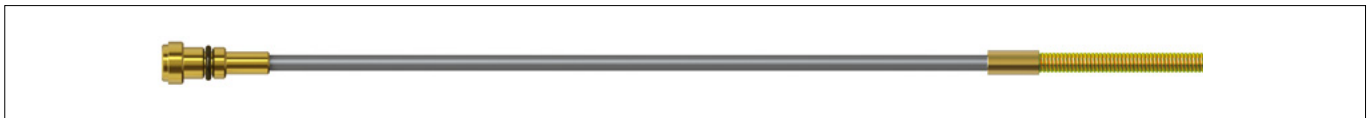
Liner Options 1.2-1.6mm

BN 300E

Part No.	Description	Length	Nipple	Wire Size	
				mm	inch
PA43215	Steel Liner x 15ft	4.90mt	Brass Nipple	1.2-1.6	0.045-1/16"
PA43225	Steel Liner x 25ft	8.10mt	Brass Nipple	1.2-1.6	0.045-1/16"



PN43215	Polyamide Liner x 15ft	4.90mt	Brass Nipple	1.2-1.6	0.045-1/16"
PN43225	Polyamide Liner x 25ft	8.10mt	Brass Nipple	1.2-1.6	0.045-1/16"



BN 400E

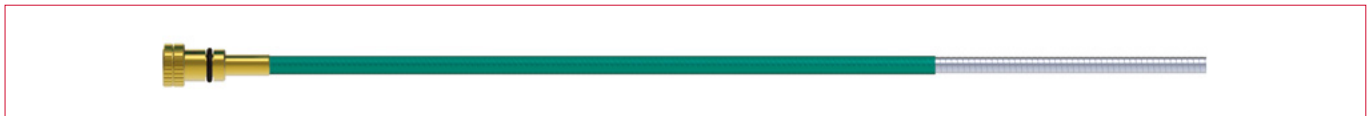
Part No.	Description	Length	Nipple	Wire Size	
				mm	inch
PA44215	Steel Liner x 15ft	4.90mt	Brass Nipple	1.2-1.6	0.045-1/16"
PA44225	Steel Liner x 25ft	8.10mt	Brass Nipple	1.2-1.6	0.045-1/16"



Liner Options 2.0mm

BN 400E

Part No.	Description	Length	Nipple	Wire Size	
				mm	inch
PA44315	Steel Liner x 15ft	4.90mt	Brass Nipple	2.0	5/64"
PA44325	Steel Liner x 25ft	8.10mt	Brass Nipple	2.0	5/64"



* Denotes torch package standard wear part set-up



WeldTronic

42-46 Micro Circuit Dandenong South
Victoria, 3175

Telephone: 03 9702 9366

Facsimile: 03 9702 9766