

SPR
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

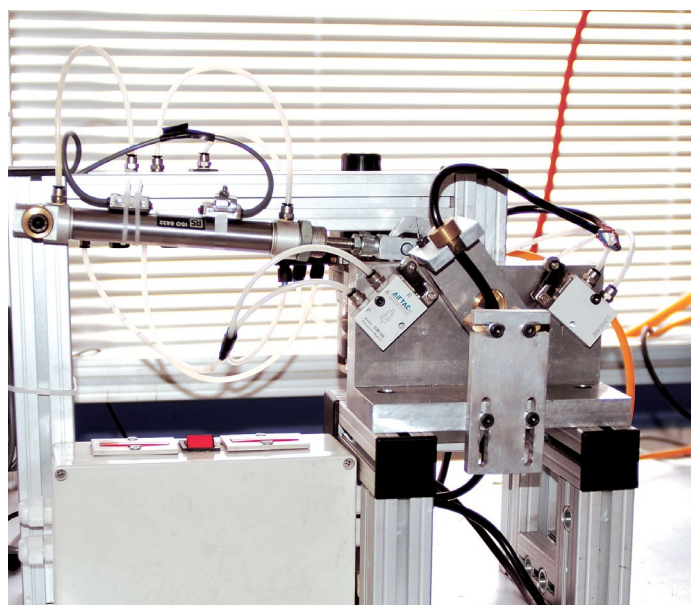
A fusion of precision production engineering, our bespoke processing techniques and a fanatical attention to detail ensures every welding torch we produce is worthy of the Parker Torchology name.

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.

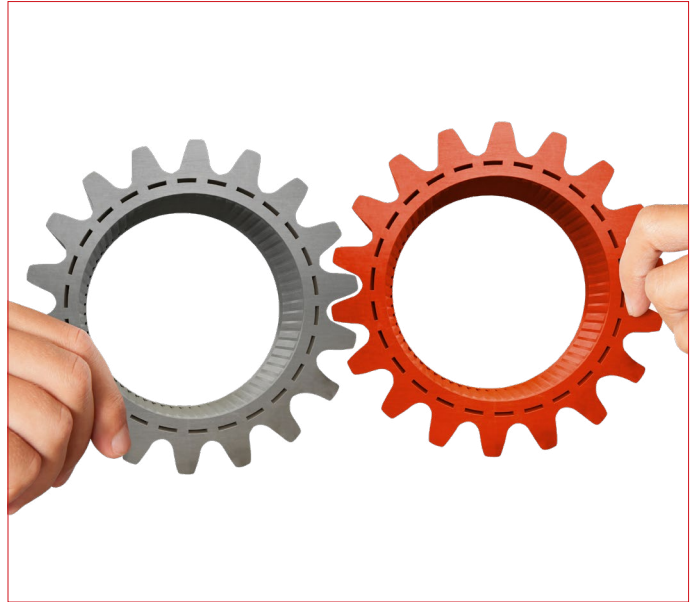
We build endless prototypes and test pieces that undergo months of rigorous testing. Only once a product has passed up to 88 different test procedures, with every single part tested separately do we consider our latest designs ready for market.



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

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SPR Euro End Mig/Mag Torch Range

Air-Cooled Features Focus

Air-Cooled

The SPR Series has been developed for high performance in heavy duty industrial environments.

Welding Tools for the Professional



Quality Wear Parts

All wear parts are manufactured to the same specification as the original manufacturer ensuring reliability, longevity and superior performance

- Heavy Duty Contact Tips increase tip life and decrease downtime with fewer tip changes
- Improved performance for high heat applications

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



The Smart Way To Buy Welding and Cutting Tools

SPR Euro End Mig/Mag Torch Range

Ratings: 150 Amp to 350 Amp, Mixed Gas M21



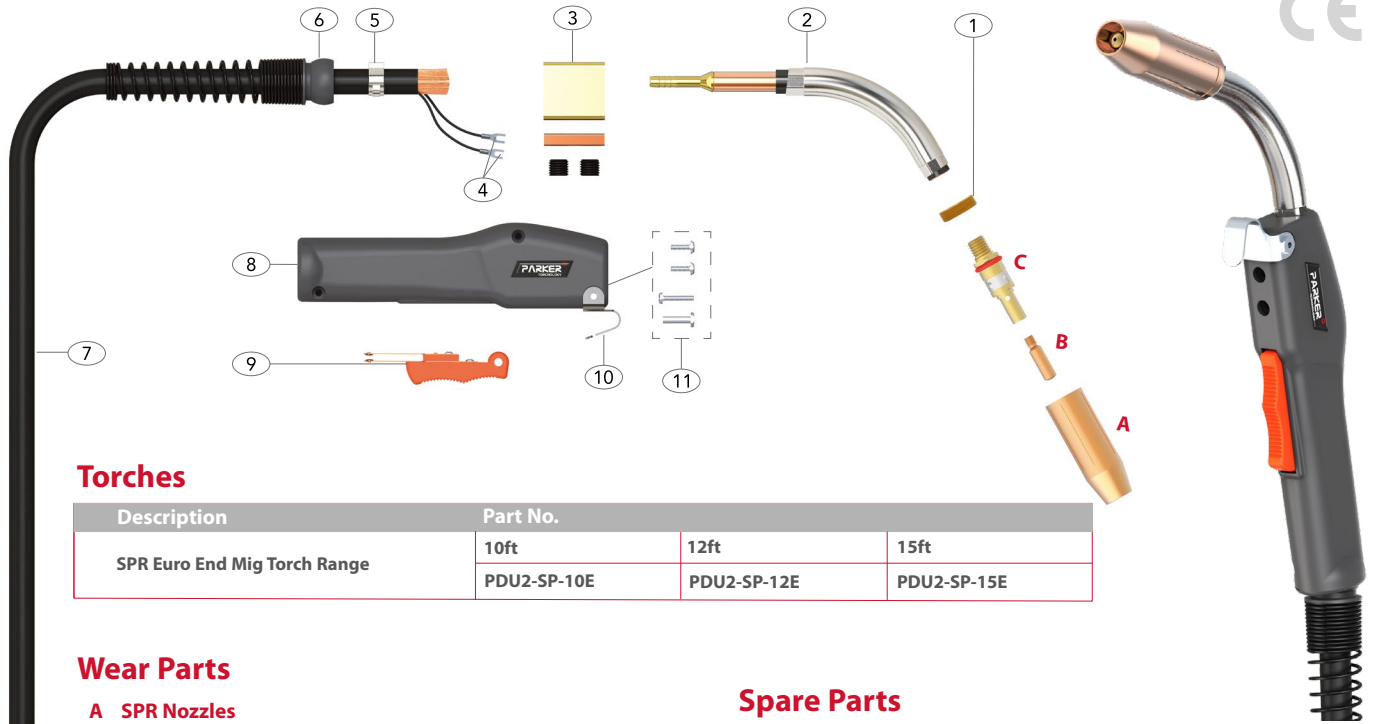
Model	SPR NO.2	SPR NO.4
Technical Data		
Cooling Method	Air-Cooled	Air-Cooled
Rating: CO ₂	200A	400A
Rating: Mixed Gas M21	150A	350A
Duty Cycle	60%	60%
Wire Size	0.6-1.2mm	0.8-2.0mm

Order Codes	10ft	12ft	15ft
	PDU2-SP-10E	PDU2-SP-12E	PDU2-SP-15E
	PDU4-SP-10E	PDU4-SP-12E	PDU4-SP-15E

SPR NO.2 Euro End Mig/Mag Torch Range

Rating: 200A CO₂, 150A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.6 to 1.2mm / 0.023-0.045" wires

Air-Cooled Mig Welding Torch



Torches

Description	Part No.		
	10ft	12ft	15ft
SPR Euro End Mig Torch Range	PDU2-SP-10E	PDU2-SP-12E	PDU2-SP-15E

Wear Parts

A SPR Nozzles

Part No.	Description	Bore	Wall	Material
PHD22-37	Nozzle 3/8"	9.5	1.5mm	Copper
*PHD22-50	Nozzle 1/2"	12.7	1.5mm	Copper
PHD22-62	Nozzle 5/8"	15.9	1.5mm	Copper

B SPR Contact Tips

Part No.	Description	Material	Wire Size	
			mm	inch
*P11H-30	Contact Tip	Ecu	0.8	0.030
P11H-35	Contact Tip	Ecu	0.9	0.035
P11H-40	Contact Tip	Ecu	1.0	0.040
P11H-45	Contact Tip	Ecu	1.2	0.045

C SPR Diffusers

Part No.	Description	Material
*PHD52-11	Gas Diffusers	Brass

D SPR Liners

Part No.	Description	Length	Wire Size	
			mm	inch
*PA42-3035-15	Steel Liner x 15ft	4.90mt	0.8-0.9	0.030-0.035
PA42-3035-25	Steel Liner x 25ft	8.10mt	0.8-0.9	0.030-0.035
PA42-4045-15	Steel Liner x 15ft	4.90mt	1.0-1.2	0.040-0.045
PA42-4045-25	Steel Liner x 25ft	8.10mt	1.0-1.2	0.040-0.045
P42N-4045-15	Polyamide Liner x 15ft	4.90mt	1.0-1.2	0.040-0.045
P42N-4045-25	Polyamide Liner x 25ft	8.10mt	1.0-1.2	0.040-0.045

Spare Parts

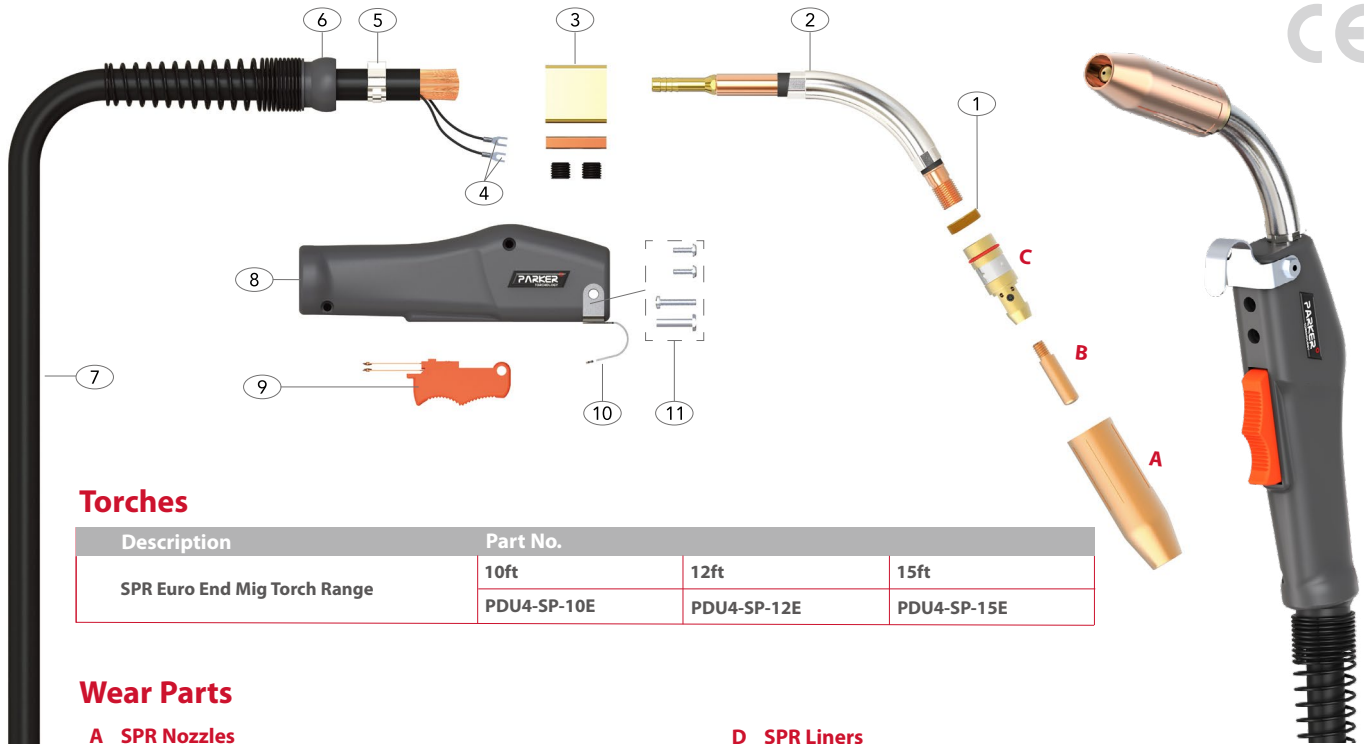
Part No.	Description
1	P62J-3S Head Insulator
2	P62J60-SP Metal Jacket Swan Neck
3	PDU102 Block c/w Spacer and Screws
4	P244T Control Wire Terminals
5	P85044 Hose Clamp 18.5mm
6	P141-6S Spring Cable Support Small and Ball Joint
7	PDU200-10E Duraflex Ultralite Cable Assembly x 10ft
	PDU200-12E Duraflex Ultralite Cable Assembly x 12ft
	PDU200-15E Duraflex Ultralite Cable Assembly x 15ft
8	P83 Handle With Hook and Screws
9	P92 Trigger Switch
10	P152 Hanger Hook
11	P122FMS Screw Pack

*Denotes torch package standard wear part set-up
For more information please refer to the following sections:
•Master Wear Parts Table Page 10-13
•Rear-End / Cable Parts Page 14

SPR NO.4 Euro End Mig/Mag Torch Range

Rating: 400A CO₂, 350A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.8 to 2.0mm / 0.030-5/64" wires

Air-Cooled Mig Welding Torch



Torches

Description	Part No.		
	10ft	12ft	15ft
SPR Euro End Mig Torch Range	PDU4-SP-10E	PDU4-SP-12E	PDU4-SP-15E

Wear Parts

A SPR Nozzles

Part No.	Description	Bore	Wall	Material
PHD24-50	Nozzle 1/2"	12.7	1.50mm	Copper
*PHD24-62	Nozzle 5/8"	15.9	1.50mm	Copper
PHD24-75	Nozzle 3/4"	19.0	1.50mm	Copper
PHD24L-S2	Nozzle 5/8"	15.9	2.0mm	Copper

B SPR Contact Tips

Part No.	Description	Material	Wire Size	
			mm	inch
P16S-35	Contact Tip	Ecu	0.9	0.035
P16S-40	Contact Tip	Ecu	1.0	0.040
*P16S-45	Contact Tip	Ecu	1.2	0.045
P16S-52	Contact Tip	Ecu	1.3	0.052
P16S-116	Contact Tip	Ecu	1.6	1/16"
P16S-564	Contact Tip	Ecu	2.0	5/64"

C SPR Diffusers

Part No.	Description	Material
*PHD54-16	Gas Diffuser	Brass

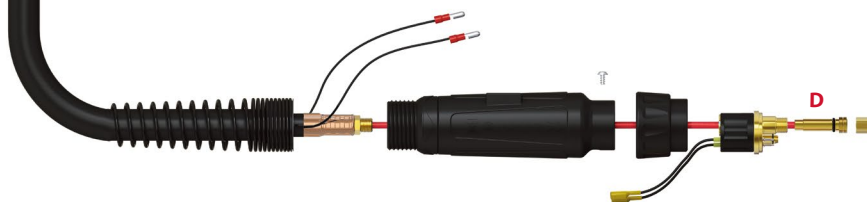
D SPR Liners

Part No.	Description	Length	Wire Size	
			mm	inch
P42N-4045-15	Polyamide Liner x 15ft	4.90mt	1.0-1.2	0.040-0.045
P42N-4045-25	Polyamide Liner x 25ft	8.10mt	1.0-1.2	0.040-0.045
*PA44-3545-15	Steel Liner x 15ft	4.90mt	0.9-1.2	0.035-0.045
PA44-3545-25	Steel Liner x 25ft	8.10mt	0.9-1.2	0.035-0.045
PA44-116-15	Steel Liner x 15ft	4.90mt	1.6	1/16"
PA44-116-25	Steel Liner x 25ft	8.10mt	1.6	1/16"
P44N-116-15	Polyamide Liner x 15ft	4.90mt	1.6	1/16"
P44N-116-25	Polyamide Liner x 25ft	8.10mt	1.6	1/16"
PA44-564-15	Steel Liner x 15ft	4.90mt	2.0	5/64"
PA44-564-25	Steel Liner x 25ft	8.10mt	2.0	5/64"

Spare Parts

Part No.	Description
1 P64J-3S	Head Insulator
2 P64J60	Metal Jacket Swan Neck
3 PDU104	Connection Block c/w Spacer
4 P244T	Control Wire Terminals
5 P134-14	Cable Hose Clamp
6 PBE8018	Spring Cable Support & Ball Joint
7 PDU400-10E	Duraflex Ultralite Cable Assembly x 10ft
PDU400-12E	Duraflex Ultralite Cable Assembly x 12ft
PDU400-15E	Duraflex Ultralite Cable Assembly x 15ft
8 P84A	Handle With Hook & Screws
9 P94R	Trigger Switch
10 P154	Hanger Hook
11 P124FMS	Screw Pack

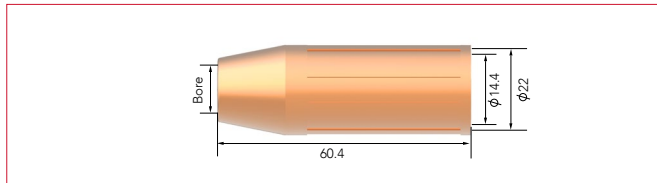
*Denotes torch package standard wear part set-up
 For more information please refer to the following sections:
 • Master Wear Parts Table Page 10-13
 • Rear-End / Cable Parts Page 14



SPR Nozzles

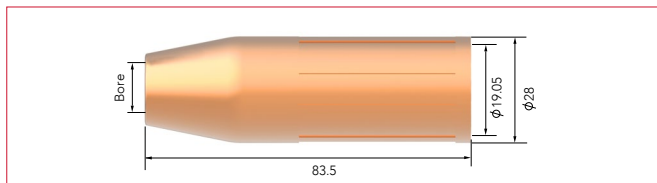
SPR NO.2

Part No.	Description	Bore	Wall	Material
PHD22-37	Nozzle 3/8"	9.5	1.50mm	Copper
*PHD22-50	Nozzle 1/2"	12.7	1.50mm	Copper
PHD22-62	Nozzle 5/8"	15.9	1.50mm	Copper

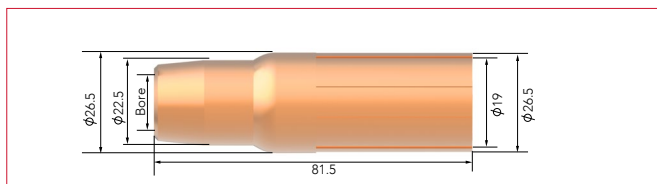


SPR NO.4

Part No.	Description	Bore	Wall	Material
PHD24-50	Nozzle 1/2"	12.7	1.50mm	Copper
*PHD24-62	Nozzle 5/8"	15.9	1.50mm	Copper
PHD24-75	Nozzle 3/4"	19	1.50mm	Copper



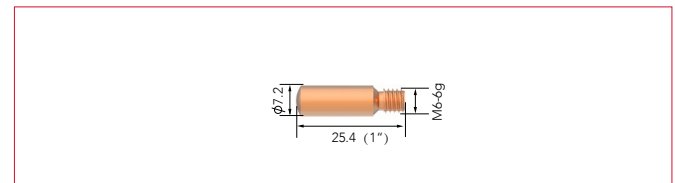
PHD24L-52	Nozzle 5/8"	15.9	2mm	Copper
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SPR Contact Tips

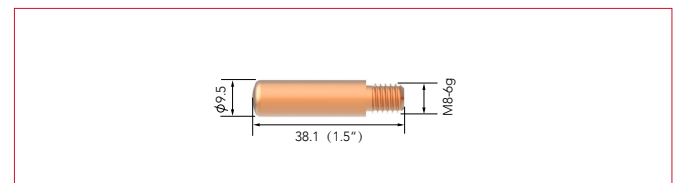
SPR NO.2

Part No.	Description	Wire Size		Material
		mm	inch	
*P11H-30	Contact Tip	0.8	0.030	Ecu
P11H-35	Contact Tip	0.9	0.035	Ecu
P11H-40	Contact Tip	1.0	0.040	Ecu
P11H-45	Contact Tip	1.2	0.045	Ecu



SPR NO.4

Part No.	Description	Wire Size		Material
		mm	inch	
P16S-35	Contact Tip	0.9	0.035	Ecu
P16S-40	Contact Tip	1.0	0.040	Ecu
*P16S-45	Contact Tip	1.2	0.045	Ecu
P16S-52	Contact Tip	1.3	0.052	Ecu
P16S-116	Contact Tip	1.6	1/16"	Ecu
P16S-564	Contact Tip	2.0	5/64"	Ecu

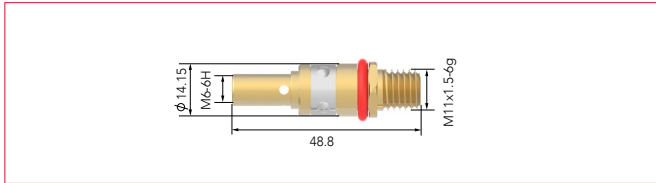


* Denotes torch package standard wear part set-up

SPR Diffuser

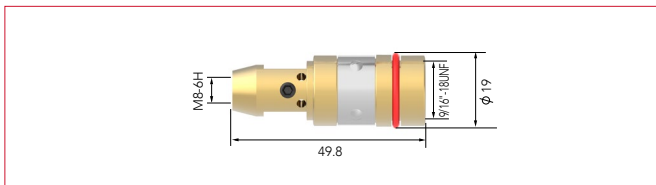
SPR NO.2

Part No.	Description	Material
*PHD52-11	Gas Diffuser	Brass



SPR NO.4

Part No.	Description	Material
*PHD54-16	Gas Diffuser	Brass



* Denotes torch package standard wear part set-up

Liner Options 0.8-0.9mm

SPR NO.2

Part No.	Description	Length	Nipple	Wire Size	
				mm	inch
*PA42-3035-15	Steel Liner x 15ft	4.90mt	Brass Nipple	0.8-0.9	0.030-0.035
PA42-3035-25	Steel Liner x 25ft	8.10mt	Brass Nipple	0.8-0.9	0.030-0.035



Liner Options 1.0-1.2mm

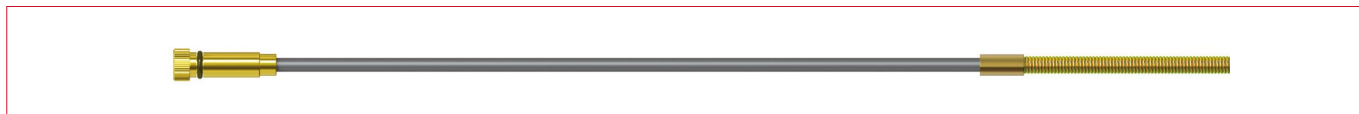
SPR NO.2

Part No.	Description	Length	Nipple	Wire Size	
				mm	inch
PA42-4045-15	Steel Liner x 15ft	4.90mt	Brass Nipple	1.0-1.2	0.040-0.045
PA42-4045-25	Steel Liner x 25ft	8.10mt	Brass Nipple	1.0-1.2	0.040-0.045



SPR NO.2/NO.4

Part No.	Description	Length	Nipple	Wire Size	
				mm	inch
P42N-4045-15	Polyamide Liner x 15ft	4.90mt	Brass Nipple	1.0-1.2	0.040-0.045
P42N-4045-25	Polyamide Liner x 25ft	8.10mt	Brass Nipple	1.0-1.2	0.040-0.045



Liner Options 0.9-1.2mm

SPR NO.4

Part No.	Description	Length	Nipple	Wire Size	
				mm	inch
*PA44-3545-15	Steel Liner x 15ft	4.90mt	Brass Nipple	0.9-1.2	0.035-0.045
PA44-3545-25	Steel Liner x 25ft	8.10mt	Brass Nipple	0.9-1.2	0.035-0.045



* Denotes torch package standard wear part set-up

Wear Parts

Liner Options 1.6mm

SPR NO.4

Part No.	Description	Length	Nipple	Wire Size	
				mm	inch
PA44-116-15	Steel Liner x 15ft	4.90mt	Brass Nipple	1.6	1/16"
PA44-116-25	Steel Liner x 25ft	8.10mt	Brass Nipple	1.6	1/16"



P44N-116-15	Polyamide Liner x 15ft	4.90mt	Brass Nipple	1.6	1/16"
P44N-116-25	Polyamide Liner x 25ft	8.10mt	Brass Nipple	1.6	1/16"



Liner Options 2.0mm

SPR NO.4

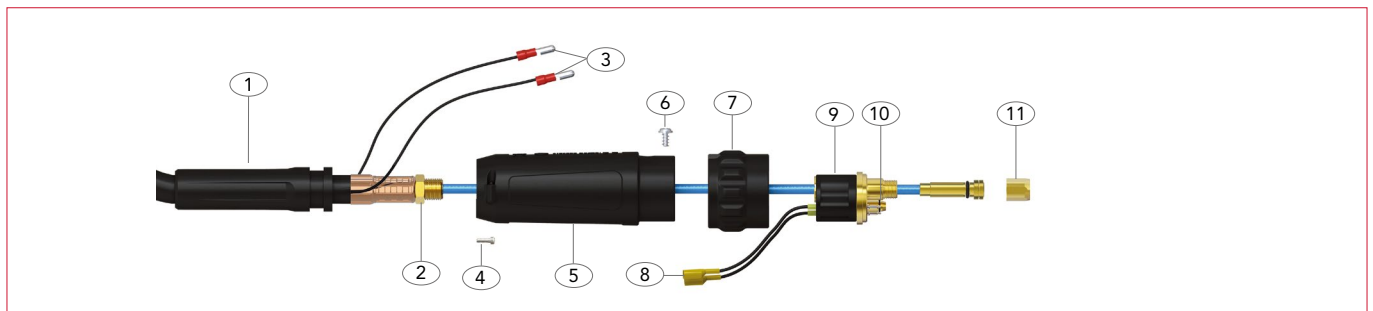
Part No.	Description	Length	Nipple	Wire Size	
				mm	inch
PA44-564-15	Steel Liner x 15ft	4.90mt	Brass Nipple	2.0	5/64"
PA44-564-25	Steel Liner x 25ft	8.10mt	Brass Nipple	2.0	5/64"



* Denotes torch package standard wear part set-up

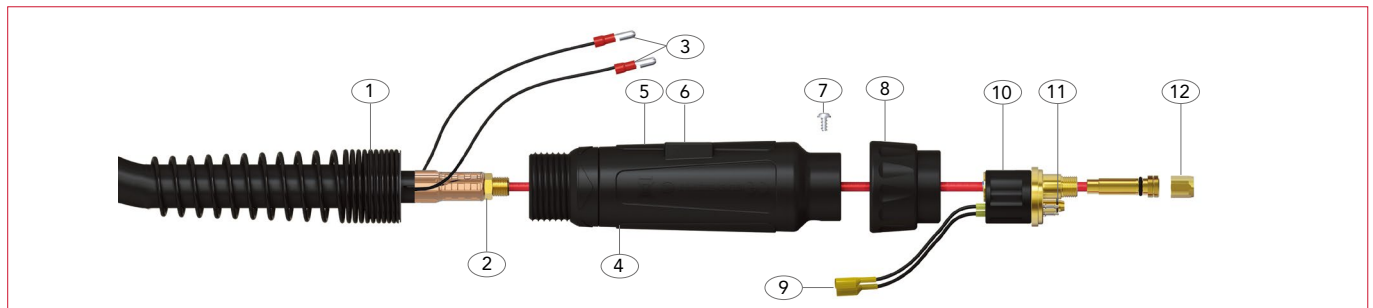
SPR No.2

Part No.	Description
1 PC3641	Cable Support
2 PXL1542	Cable End Lock Nut (M12 x 1.0)
3 PB1522	Cable Terminal Male
4 SCSP1-1	Gun Plug Housing Screw
5 SC2578/S	Gun Plug Housing
6 PBL1541	Gun Plug Screw
7 PC1519/S	Gun Plug Nut
8 PB1523	Gun Plug Terminal Female
9 PC174EX-1	Gun Plug Body
10 PB1524	Gun Plug 'O' Ring
11 PXL1826	Liner Retaining Nut



SPR No.4

Part No.	Description
1 PC8026	Housing Spring
2 PXL1542	Cable End Lock Nut (M12 x 1.0)
3 PB1522	Cable Terminal Male
4 PT8028	Cable Support Nut
5 PT5022	Large Housing
6 SCP8017	Large Housing Wire Cover
7 PBL1541	Gun Plug Screw
8 PB1519/S	Gun Plug Nut
9 PB1523	Gun Plug Terminal Female
10 PC174EX-1	Gun Plug Body
11 PB1524	Gun Plug 'O' Ring
12 PXL1826	Liner Retaining Nut





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