





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.

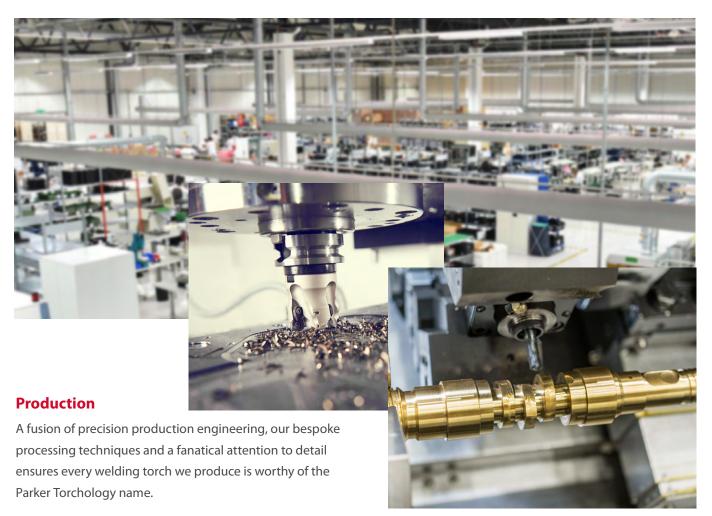
Every torch we build is driven by our relentless pursuit of perfection.

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.





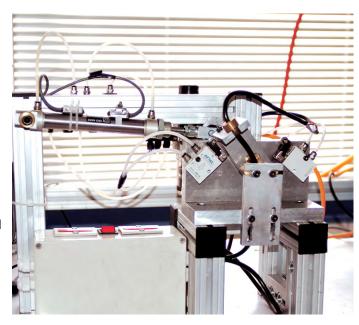


Testing, Testing, Testing

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

TWC Mig/Mag Torch Range



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Air-Cooled

TWC Mig/Mag Torch Range

Air-Cooled Features Focus

Air-Cooled

The traditional North American TWC Series developed for high performance in heavy industrial environments.

Welding Tools for the Professional



100% Tweco® Compatibility Guaranteed

Quality Wear Parts

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

- Contact tips are manufactured from premium grade copper alloys; we don't sacrifice performance by using low end or recycled raw materials
- Standard and high-performance options are available for tip adaptors, diffusers and swan necks
- 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 Resiliant

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



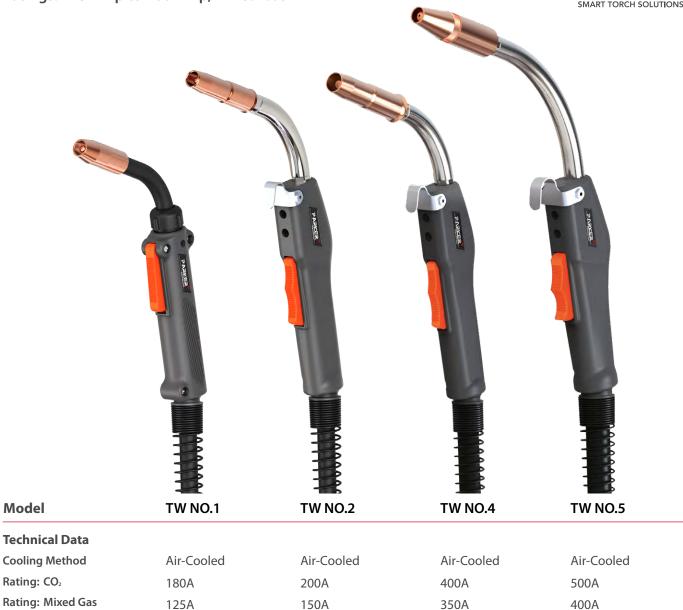
Duty Cycle

Wire Size

60%

0.6-1.2





Order Codes	12ft	P1-12 E/M/T/L	P2-12 E/M/T/L	P4-12 E/M/T/L	P5-12 E/M/T/L
Order Codes	15ft	P1-15 E/M/T/L	P2-15 E/M/T/L	P4-15 E/M/T/L	P5-15 E/M/T/L

60%

0.6-1.2

60%

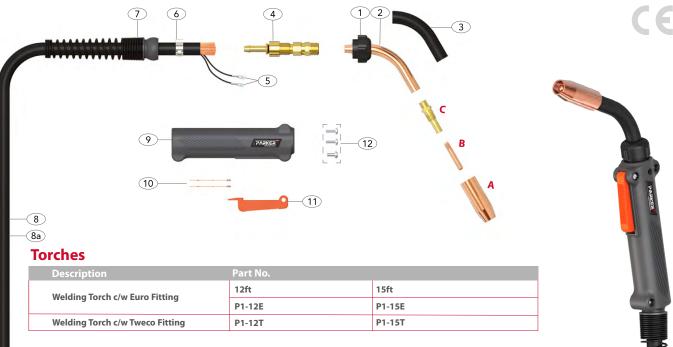
0.8-2.0

60%

0.9-2.8



TW NO.1 Mig/Mag Torch Range Rating: 180A CO_2 125A mixed gas, EN60974-7 @ 60% duty cycle. 0.6 to 1.2mm / 0.023-0.045" wires **Air-Cooled Mig Welding Torch**



Wear Parts

Nozzles

Part No.	Description	Bore	Wall	Material	
P21-37	Nozzle Self Insulated	9.5	1.60mm	Copper	
*P21-50	Nozzle Self Insulated	12.7	1.60mm	Copper	
P21-62	Nozzle Self Insulated	15.9	1.60mm	Copper	

Contact Tips

Part No.	Description	Material	Wire	Size
			mm	inch
P11-23	Contact Tip	Ecu	0.6	0.023
*P11-30	Contact Tip	Ecu	8.0	0.030
P11-35	Contact Tip	Ecu	0.9	0.035
P11-40	Contact Tip	Ecu	1.0	0.040
P11-45	Contact Tip	Ecu	1.2	0.045

C Diffusers

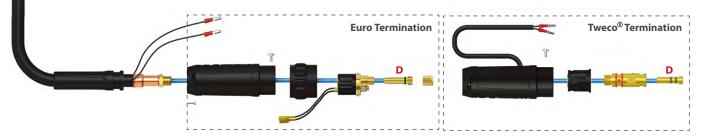
Part No.	Description	Materiai
*P51	Diffuser	Brass

D 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

Spare Parts

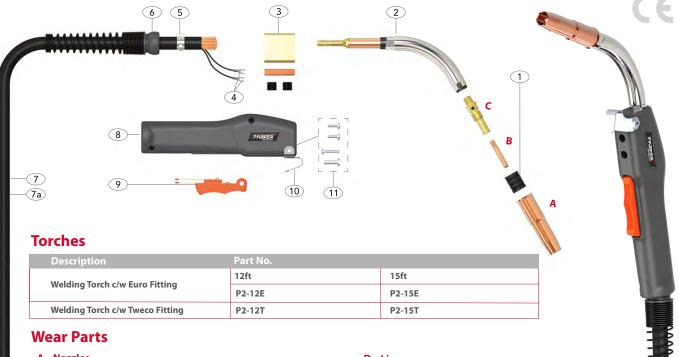
	Part No.	Description
1	P61R	Retaining Nut
2	P61-60	Conductor Tube 60°
3	P61-60/R	Rubber Insulation Sleeve
4	P101	Cable Connector
5	PB1521	Cable Terminal
6	PB5044	Hose Clamp 18.5mm
7	P141-6S	Spring Cable Support Small and Ball Joint
8	P100-12E	Duraflex Cable Assembly x 12ft Euro
	P100-15E	Duraflex Cable Assembly x 15ft Euro
8a	P100-12T	Cable Assembly x 12ft Tweco®
	P100-15T	Cable Assembly x 15ft Tweco®
9	P81	Handle With Screw Kit
10	P91	Switch Blades Kit
11	P91C	Trigger Only
12	PB1542	Handle Screw Pack



TW NO.2 Mig/Mag Torch Range

Rating: 200A CO₂ 150A mixed gas, EN60974-7 @ 60% duty cycle. 0.6 to 1.2mm / 0.023-0.045" wires **Air-Cooled Mig Welding Torch**





A Nozzles

Part No.	Description	Bore	Wall	Material
*P22-50	Nozzle Self Insulated	12.8	1.25mm	Copper
P22-62	Nozzle Self Insulated	16.0	1.25mm	Copper
P23-50	Nozzle Self Insulated	12.7	1.60mm	Copper
P23-62	Nozzle Self Insulated	15.9	1.60mm	Copper
P23-75	Nozzle Self Insulated	19.0	1.60mm	Copper
P24CT-50S	Nozzle Fixed Coarse Thread	12.8	1.95mm	Copper
P24CT-62S	Nozzle Fixed Coarse Thread	16.0	1.90mm	Copper
P24CT-75S	Nozzle Fixed Coarse Thread	19.0	2.45mm	Copper
P34CT	Nozzle Insulator Coarse Threa	ad		

B Contact Tips

Part No.	Description	Material	Wire	Size
			mm	inch
P14-23	Contact Tip	Ecu	0.6	0.023
*P14-30	Contact Tip	Ecu	0.8	0.030
P14-40	Contact Tip	Ecu	1.0	0.040
P14-45	Contact Tip	Ecu	1.2	0.045
P14H-30	Contact Tip	Ecu	0.8	0.030
P14H-40	Contact Tip	Ecu	1.0	0.040
P14H-45	Contact Tip	Ecu	1.2	0.045

C Diffusers

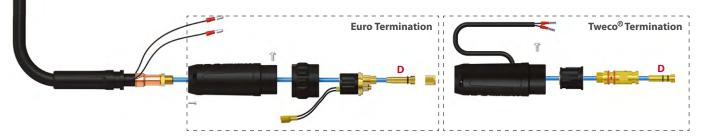
Part No.	Description	Material
P52	Diffuser	Brass

D 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

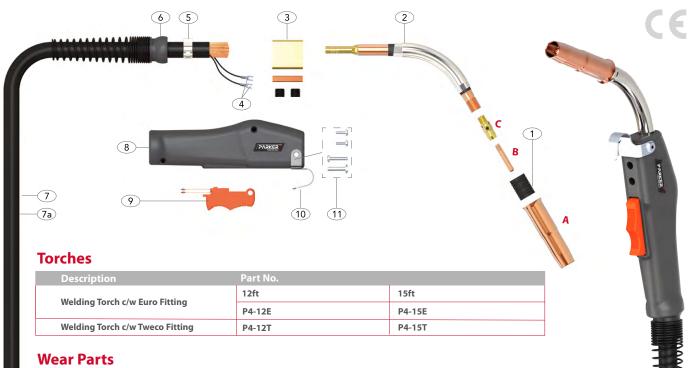
Spare Parts

	Part No.	Description
1	P32	Adjustable Nozzle Insulator
2	P62J60	Metal Jacket Neck Assembly
3	P102	Block c/w Spacer and Screws
4	P244T	Control Wire Terminals
5	PB5044	Hose Clamp 18.5mm
6	P141-6S	Spring Cable Support Small and Ball Joint
7	P200-12E	Duraflex Cable Assembly x 12ft Euro
	P200-15E	Duraflex Cable Assembly x 15ft Euro
7a	P200-12T	Cable Assembly x 12ft Tweco®
	P200-15T	Cable Assembly x 15ft Tweco®
8	P83J	Handle c/w Hook and Screw Kit
9	P92	Trigger Switch
10	P152	Hanger Hook
11	P122FMS	Screw Pack





TW NO.4 Mig/Mag Torch Range Rating: 400A CO $_2$ 350A mixed gas, EN60974-7 @ 60% duty cycle. 0.8 to 2.0mm / 0.030-5/64" wires **Air-Cooled Mig Welding Torch**



A Nozzles

Part No.	Description	Bore	Wall	Material
P24A-50	Nozzle Self Insulated	12.8	1.60mm	Copper
*P24A-62	Nozzle Self Insulated	16.0	1.60mm	Copper
P24A-75	Nozzle Self Insulated	19.0	1.60mm	Copper
P24AH-50	Nozzle Heavy Duty	12.8	2.25mm	Copper
P24AH-62	Nozzle Heavy Duty	16.0	2.25mm	Copper
P24AH-75	Nozzle Heavy Duty	19.0	2.25mm	Copper
P24CT-50S	Nozzle Fixed Coarse Thread	12.8	1.95mm	Copper
P24CT-62S	Nozzle Fixed Coarse Thread	16.0	1.90mm	Copper
P24CT-75S	Nozzle Fixed Coarse Thread	19.0	2.45mm	Copper
P34CT	Nozzle Insulator Coarse Thre	ad		

B Contact Tips

Part No.	Description	Material	Wire	e Size
			mm	inch
P14-30	Contact Tip	Ecu	8.0	0.030
P14-40	Contact Tip	Ecu	1.0	0.040
*P14-45	Contact Tip	Ecu	1.2	0.045
P14-116	Contact Tip	Ecu	1.6	1/16"
P14-564	Contact Tip	Ecu	2.0	5/64"
P14H-30	Contact Tip	Ecu	8.0	0.030
P14H-40	Contact Tip	Ecu	1.0	0.040
P14H-45	Contact Tip	Ecu	1.2	0.045
P14H-116	Contact Tip	Ecu	1.6	1/16"
P14H-564	Contact Tip	Ecu	2.0	5/64"

C Diffusers

Part No.	Description	Material
*P54A	Diffuser	Brass

D Liners

Part No.	Description	Length	Wire	Size
			mm	inch
*PA44-3545-15	Steel Liner x 15ft	8.10mt	0.9-1.2	0.035-0.045
PA44-116-15	Steel Liner x 15ft	4.90mt	1.6	1/16"
P44N-116-15	Steel Liner x 15ft	4.90mt	1.6	1/16"

Spare Parts

	Part No.	Description
1	P34A	Adjustable Nozzle Insulator
2	P64J60	Metal Jacket Neck Assembly
3	P104	Connection Block c/w Spacer
4	P244T	Control Wire Terminals
5	P132-12	Cable Hose Clamp
6	PBE8018	Spring Cable Support and Ball Joint
7	P400-12E	Cable Assembly x 12ft Euro
	P400-15E	Cable Assembly x 15ft Euro
7a	P400-12T	Cable Assembly x 12ft Tweco®
	P400-15T	Cable Assembly x 15ft Tweco®
8	P84J	Handle c/w Hook and Screw Kit
9	P94R	Trigger Switch
10	PT154	Hanger Hook
11	P124FMS	Screw Pack

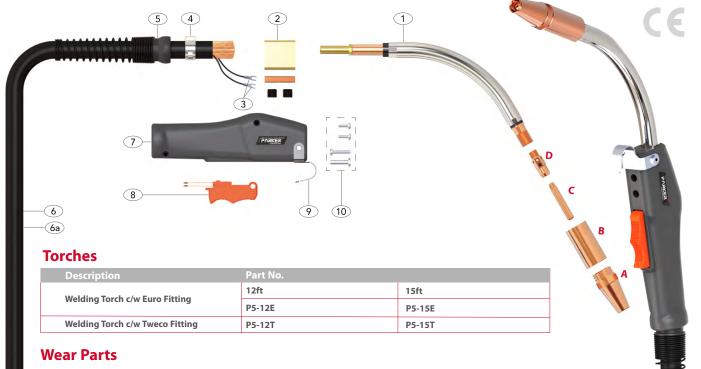


TWC NO.5 Mig/Mag Torch Range

Rating: $500A\ CO_2\ 400A\ mixed\ gas$, EN60974-7 @ 60% duty cycle. 0.9 to 2.8mm / 0.035-7/64" wires Air-Cooled Mig Welding Torch



TORCHOLOGY SMART TORCH SOLUTIONS



A Nozzle

Part No.	Description	Bore	Wall	Material
P25CT-50	Nozzle Fixed Coarse Thread	12.8	1.60mm	Copper
*P25CT-62	Nozzle Fixed Coarse Thread	16.0	1.95mm	Copper
P25CT-75	Nozzle Fixed Coarse Thread	19.0	2.45mm	Copper

B Nozzle Insulators

ı	Part No.	Description	Bore	Wall	Material	
	*P35CT	Nozzle Insulator Coarse Thread	19.0	2.45mm	Copper	

C Contact Tips

Part No.	Description	Material	Wire	e Size
			mm	inch
P15H-35	Contact Tip	Ecu	0.9	0.035
P15H-40	Contact Tip	Ecu	1.0	0.040
P15H-45	Contact Tip	Ecu	1.2	0.045
P15H-52	Contact Tip	Ecu	1.3	0.052
*P15H-116	Contact Tip	Ecu	1.6	1/16"

E Liners

Part No.	Description	Length	Wire	Size
			mm	inch
PA44-3545-1	5 Steel Liner x 15ft	4.90mt	0.9-1.2	0.035-0.045
PA44-3545-2	5 Steel Liner x 25ft	8.10mt	0.9-1.2	0.035-0.045
PA45-3545-1	5 Steel Liner x 15ft	4.90mt	0.9-1.2	0.035-0.045
PA45-3545-2	5 Steel Liner x 25ft	8.10mt	0.9-1.2	0.035-0.045
*PA44-116-15	Steel Liner x 15ft	4.90mt	1.6mm	1/16"
PA44-116-25	Steel Liner x 25ft	8.10mt	1.6mm	1/16"
PA45-116-15	Steel Liner x 15ft	4.90mt	1.6mm	1/16"
PA45-116-15	Steel Liner x 25ft	8.10mt	1.6mm	1/16"

D Diffusers

Part No.	Description	Material
P55	Diffuser	Copper
P55H	Diffuser	Copper
*P55SW	Diffuser	Copper
*P55SW	Diffuser	Copper

Spare Parts

	Part No.	Description
1	P65J60	Metal Jacket Neck Assembly
2	P104	Connection Block c/w Spacer
3	P244T	Control Wire Terminals
4	P134-14	Cable Hose Clamp
5	PBE8018	Spring Cable Support and Ball Joint
6	P500-12E	Duraflex Cable Assembly x 12ft Euro
	P500-15E	Duraflex Cable Assembly x 15ft Euro
ба	P500-12T	Cable Assembly x 12ft Tweco®
	P500-15T	Cable Assembly x 15ft Tweco®
7	P85J	Handle c/w Hook and Screw Kit
8	P94R	Trigger Switch
9	PT154	Hanger Hook
10	P124FMS	Screw Pack





Nozzles

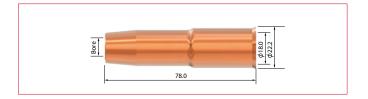
TWC NO.1

Part No.	Description	Bore	Wall	Material
P21-37	Nozzle Self Insulated	9.5	1.60mm	Copper
*P21-50	Nozzle Self Insulated	12.7	1.60mm	Copper
P21-62	Nozzle Self Insulated	15.9	1.60mm	Copper



TWC NO.2

Part No.	Description	Bore	Wall	Material
*P22-50	Nozzle Adjustable	12.8	1.25mm	Copper
P22-62	Nozzle Adjustable	16.0	1.25mm	Copper



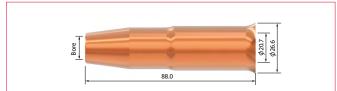
TWC NO.2

Part No.	Description	Bore	Wall	Material
P23-50	Nozzle Self Insulated	12.7	1.60mm	Copper
P23-62	Nozzle Self Insulated	15.9	1.60mm	Copper
P23-75	Nozzle Self Insulated	19.0	1.60mm	Copper



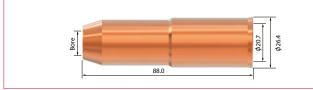
TWC NO.4

Part No.	Description	Bore	Wall	Material
P24A-50	Nozzle Adjustable	12.8	1.25mm	Copper
*P24A-62	Nozzle Adjustable	16.0	1.25mm	Copper
P24A-75	Nozzle Adjustable	19.0	1.25mm	Copper
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	ore		26.6	



TWC NO.4

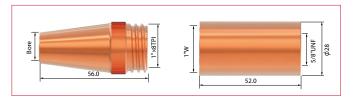
Part No.	Description	Bore	Wall	Material
P24AH-50	Nozzle Heavy Duty	12.8	2.25mm	Copper
P24AH-62	Nozzle Heavy Duty	16.0	2.25mm	Copper
P24AH-75	Nozzle Heavy Duty	19.0	2.25mm	Copper



TWC NO.2/NO.4

	2/110.1			
Part No.	Description	Bore	Wall	Material
P24CT-50S	Nozzle Fixed Coarse Thread	12.8	1.95mm	Copper
P24CT-62S	Nozzle Fixed Coarse Thread	16.0	1.90mm	Copper
P24CT-75S	Nozzle Fixed Coarse Thread	19.0	2.45mm	Copper
P34CT	Nozzle Insulator Coarse Thread			
	_			
T				7 ≝
Bore	5/16"×8 5/16"W			9/16"UNF \$\phi_27
ă	15/1			1 5 6
1				

Part No.	Description	Bore	Wall	Material
P25CT-50	Nozzle Fixed Coarse Thread	12.8	1.6mm	Copper
*P25CT-62	Nozzle Fixed Coarse Thread	16.0	1.95mm	Copper
P25CT-75	Nozzle Fixed Coarse Thread	19.0	2.45mm	Copper
*P35CT	Nozzle Insulator Coarse Thread			



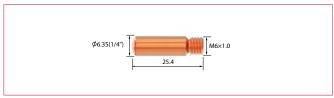
[★] Denotes torch package standard wear part set-up



Contact Tips

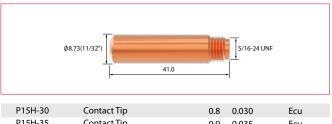
TWC NO.1

Part No.	Description	Wire	Size	Material
		mm	inch	
P11-23	Contact Tip	0.6	0.023	Ecu
*P11-30	Contact Tip	0.8	0.030	Ecu
P11-35	Contact Tip	0.9	0.035	Ecu
P11-40	Contact Tip	1.0	0.040	Ecu
P11-45	Contact Tip	1.2	0.045	Ecu



TWC NO.5

Part No.	Description	Wir	e Size	Material
		mm	inch	
P15HFC-40	Contact Tip	1.0	0.040	Ecu
P15HFC-45	Contact Tip	1.2	0.045	Ecu
P15HFC-52	Contact Tip	1.3	0.052	Ecu
P15HFC-116	Contact Tip	1.6	1/16"	Ecu
P15HFC-332	Contact Tip	2.4	3/32"	Ecu
P15HFC-564	Contact Tip	2.0	5/64"	Ecu

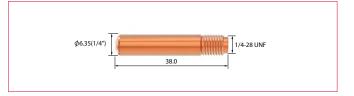


P15H-30	Contact Tip	0.8	0.030	Ecu
P15H-35	Contact Tip	0.9	0.035	Ecu
P15H-40	Contact Tip	1.0	0.040	Ecu
P15H-45	Contact Tip	1.2	0.045	Ecu
P15H-52	Contact Tip	1.3	0.052	Ecu
*P15H-116	Contact Tip	1.6	1/16"	Ecu
P15H-332	Contact Tip	2.4	3/32"	Ecu
P15H-564	Contact Tip	2.0	5/64"	Ecu



TWC NO.2/NO.4

Part No.	Description	Wire	Size	Material
		mm	inch	
P14-23	Contact Tip	0.6	0.023	Ecu
*P14-30	Contact Tip	0.8	0.030	Ecu
P14-35	Contact Tip	0.9	0.035	Ecu
*P14-40	Contact Tip	1.0	0.040	Ecu
*P14-45	Contact Tip	1.2	0.045	Ecu
P14-52	Contact Tip	1.3	0.052	Ecu
P14-116	Contact Tip	1.6	1/16"	Ecu
P14-564	Contact Tip	2.0	5/64"	Ecu



P14H-30	Contact Tip	0.8	0.030	Ecu
P14H-35	Contact Tip	0.9	0.035	Ecu
P14H-40	Contact Tip	1.0	0.040	Ecu
P14H-45	Contact Tip	1.2	0.045	Ecu
P14H-52	Contact Tip	1.3	0.052	Ecu
P14H-116	Contact Tip	1.6	1/16"	Ecu
P14H-564	Contact Tip	2.0	5/64"	Ecu



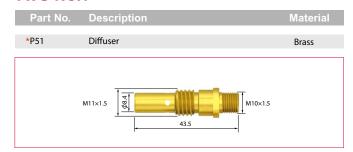
[★] Denotes torch package standard wear part set-up



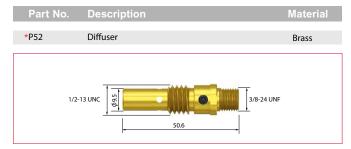


Diffuser

TWC NO.1

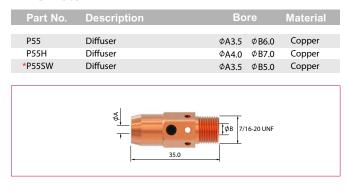


TWC NO.2



TWC NO.4





[★] Denotes torch package standard wear part set-up



Liner Options 0.8-0.9mm

TWC NO.1/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
1				

Liner Options 0.9-1.2mm

TWC NO.1/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
	_			
P42N-4045-15	Polyamide Liner x 15ft	4.90mt	Brass Nipple	1.0-1.2 0.040-0.045
P42N-4045-15	Polyamide Liner x 15ft	4.90mt	Brass Nipple	1.0-1.2 0.040-0.045

TWC NO.4/NO.5

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	

Part No.	Description	Length	Nipple	Wire Size
				mm inch
PA45-3545-15	Steel Liner x 15ft	4.90mt	Brass Nipple	0.9-1.2 0.035-0.045
PA45-3545-25	Steel Liner x 25ft	8.10mt	Brass Nipple	0.9-1.2 0.035-0.045
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^{*} Denotes torch package standard wear part set-up



Liner Options 1.6mm

TWC NO.4/NO.5

Part No.	Description	Length	Nipple	Wire	e 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"
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Part No.	Description	Length	Nipple	Wire	Size		
				mm	inch		
PA45-116-15	Steel Liner x 15ft	4.90mt	Brass Nipple	1.6	1/16"		
PA45-116-25	Steel Liner x 25ft	8.10mt	Brass Nipple	1.6	1/16"		
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^{*} Denotes torch package standard wear part set-up



Liner Options 2.0-2.4mm

TWC NO.4/NO.5

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"	
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TWC NO.5

Part No.	Description	Length	Nipple	Wire Size	
				mm inch	
PA45-564-15	Steel Liner x 15ft	4.90mt	Brass Nipple	2.0 5/64"	
PA45-564-25	Steel Liner x 25ft	8.10mt	Brass Nipple	2.0 5/64"	

Part No.	Description	Length	Nipple	Wire	Size		
PA45-332-15	Steel Liner x 15ft	4.90mt	Drace Nipple	mm 2.4	inch 3/32"		
PA45-332-15	Steel Liner x 25ft	8.10mt	Brass Nipple Brass Nipple	2.4	3/32"		
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