

3M™ Speedglas™ Welding Helmet 9100XXi

High-performance and comfort



Compliant with Australian and New Zealand Standard AS/NZS1337.1 for high impact eye and face protection.

High comfort head harness with two crown straps for optimum balance.

SideWindows: Shade 5 windows widen your field of vision to give you the largest viewing area on the market.¹⁾

Speedglas™ Welding Lens 9100XXi with True-View for crisp colour and contrast.

Heat reflecting silver front with an external button for grind and welding memory settings.

Lens reacts down to an industry-leading 1 amp.

Auto-On and equipped with the all-important centre sensor for TIG welding.

Extended-length, flame-resistant head, neck and ear protection available as accessories.

Increased coverage for ears and neck.



A class of its own

Protecting your eyes and face from radiation, heat and sparks – while providing a precise view of your work – makes your Speedglas welding helmet 9100 one of your most important welding tools.

With True-View optics, Auto-On plus grinding and memory modes, experience the 9100XXi difference!



Magnifying lens holder: allows for precise lens placement.

Exhaust vents: direct your exhaled air downward to prevent fogging of your welding lens.

Part No	Description
50 18 26	3M Speedglas Welding Helmet 9100XXi.
For spare parts breakdown, please see page 68 .	

¹⁾ The Speedglas Welding Lens 9100XXi combined with the peripheral Speedglas SideWindows gives the largest viewing area amongst auto-darkening welding helmets available at the time of printing.

3M™ Speedglas™ Welding Helmet 9100XXi Air

Clean, comfortable protection



Compliant with Australian and New Zealand Standard AS/NZS1337.1 for high impact eye and face protection.

Speedglas™ Welding Lens 9100XXi with Auto-On and True-View for crisp colour and contrast.

Heat reflecting silver front with an external button for grind and welding memory settings.

The all-new face seal follows the contours of both the helmet and your face.

The air duct is an integral part of the helmet, providing a refreshing flow of air across the entire breathing zone of the helmet.



High comfort head harness with two crown straps for optimum balance.

SideWindows: Shade 5 windows widen your field of vision to give you the largest viewing area on the market.¹⁾

An innovative quick-release attachment enables one-handed breathing tube connection and release.



Middle airflow channel to keep your welding lens fog free.

Two side channels deliver a smooth flow of fresh air directly to the breathing zone.

Revolutionary airflow

Experience all of the benefits of the Speedglas 9100XXi helmet in combination with either the 3M™ Adflo™ powered air respirator or 3M™ Versaflo™ supplied air regulator V-500E.

Part No	Description
50 77 26	3M Speedglas Welding Helmet 9100XXi Air with Adflo™ powered air respirator.
507726HD	3M Speedglas Welding Helmet 9100XXi Air with Heavy Duty Adflo powered air respirator.
50 88 26	3M Speedglas Welding Helmet 9100XXi Air with V-500E supplied air regulator.

For spare parts breakdown, please see **page 74**.

¹⁾ The Speedglas Welding Lens 9100XXi combined with the peripheral Speedglas SideWindows gives the largest viewing area amongst auto-darkening welding helmets available at the time of printing.

3M™ Speedglas™ Welding Helmet 9100XXi FX



Flip up to grind with a large clear view

Speedglas™ Welding Lens 9100XXi with Auto-On and True-View for crisp colour and contrast.



High comfort head harness with two crown straps for optimum balance.

Smooth flip-up function with curved 170 x 100 mm clear grinding visor.

Compliant with Australian and New Zealand Standard AS/NZS1337.1 for high impact eye and face protection.



Lens reacts down to an industry-leading 1 amp.

The entire helmet can also be locked in the perfectly balanced, up, parked position.

SideWindows: Shade 5 windows widen your field of vision to give you the largest viewing area on the market.¹⁾

Exhaust vents to assist in removing exhaled air.



Additional spark and spatter resistant head, neck and ear covers are available as accessories. See page 47

The perfect combination

A flip-up combination of an auto-darkening welding helmet and clear protective visor gives you a perfectly balanced and highly functional helmet for comfortable, all-day use.

Seamlessly switch between welding and grinding!

Part No	Description
54 18 26	3M Speedglas Welding Helmet 9100XXi FX.
For spare parts breakdown, please see page 70.	

1) The Speedglas Welding Lens 9100XXi combined with the peripheral Speedglas SideWindows gives the largest viewing area amongst auto-darkening welding helmets available at the time of printing.

3M™ Speedglas™ Welding Helmet 9100XXi FX Air

Flip-up welding helmet with respiratory protection



Speedglas™ Welding Lens 9100XXi with Auto-On and True-View for crisp colour and contrast.



High comfort head harness with two crown straps for optimum balance.

Smooth flip-up function with curved 170 x 100 mm clear grinding visor.

Compliant with Australian and New Zealand Standard AS/NZS1337.1 for high impact eye and face protection.



Lens reacts down to an industry-leading 1 amp.

The breathing tube is attached to the head harness instead of the helmet for improved comfort and balance.

SideWindows: Shade 5 windows widen your field of vision to give you the largest viewing area on the market.¹⁾

An innovative quick-release attachment enables one-handed breathing tube connection and release.

Respiratory protection - your way

Choose between the 3M™ Adflo™ powered air respirator or the 3M™ Versaflo™ supplied air regulator V-500E - both of which are compatible with the Speedglas 9100 FX Air.



Air is supplied directly to the breathing zone, for a higher level of protection.

A diffuser evenly distributes the air flow for maximum user comfort.

Part No	Description
54 77 26	3M Speedglas Welding Helmet 9100XXi FX Air with Adflo™ powered air respirator.
547726HD	3M Speedglas Welding Helmet 9100XXi FX Air with Heavy Duty Adflo powered air respirator.
54 88 26	3M Speedglas Welding Helmet 9100XXi FX Air with V-500E supplied air regulator.

For spare parts breakdown, please see **page 76**.

1) The Speedglas Welding Lens 9100XXi combined with the peripheral Speedglas SideWindows gives the largest viewing area amongst auto-darkening welding helmets available at the time of printing.

3M™ Speedglas™ Welding Helmet 9100XXi QR

Quick-Release welding and safety helmet



Even with a gloved hand, you can easily attach or remove the 3M™ Speedglas™ Welding Helmet 9100 QR.

The Quick Release Rail allows you to attach the Speedglas auto-darkening welding helmet 9100 QR to most types of safety helmets.



Designed from inception to accommodate 3M™ Peltor™ Earmuffs (Class 5).



Speedglas™ Welding Lens 9100XXi with Auto-On and True-View for crisp colour and contrast.

Lens reacts down to an industry-leading 1 amp.

SideWindows: Shade 5 windows widen your field of vision to give you the largest viewing area on the market.¹⁾

Exhaled air is channeled out via side exhaust vents.

Flexibility is key

Attach or remove your welding helmet as you need it - or keep it raised in the parked position in between use. The parked position creates a low centre of gravity, maintains a low profile and reduces the load on the neck.

Combined with the Speedglas 9100XXi welding lens, you get flexible, world-class welding protection.



Simply squeeze to attach or remove your welding helmet - even with gloved hands.

Part No	Description
50 36 26	3M Speedglas Welding Helmet 9100XXi QR.

For spare parts breakdown, please see **page 72**.

¹⁾ The Speedglas Welding Lens 9100XXi combined with the peripheral Speedglas SideWindows gives the largest viewing area amongst auto-darkening welding helmets available at the time of printing.

3M™ Speedglas™ Welding Helmet 9100XXi MP Air

Multiple levels of protection



Compliant with Australian and New Zealand Standard AS/NZS1337.1 for high impact eye and face protection.

Lens reacts down to an industry-leading 1 amp.

Speedglas™ Welding Lens 9100XXi with Auto-On and True-View for crisp colour and contrast.

Smooth flip-up function with curved 170×100 mm clear protective visor, increasing your peripheral vision to 170°.



The safety helmet is made from heat-resistant polycarbonate and conforms to Australian and New Zealand Standard AS/NZS1801 for head protection.



Designed from inception to accept 3M™ Peltor™ H31 Earmuffs (Class 4).

SideWindows: Shade 5 windows widen your field of vision to give you the largest viewing area on the market.¹⁾

An innovative quick-release attachment enables one-handed breathing tube connection and release.

5 levels of welding protection

Combined eye, head, face, hearing and respiratory protection. This highly integrated, comfortable welding and safety helmet 9100 MP can be used with the 3M™ Adflo™ powered air respirator or the 3M™ Versaflo™ supplied air regulator V-500E.



Part No	Description
57 77 26	3M Speedglas Welding Helmet 9100XXi MP Air with Adflo™ powered air respirator.
577726HD	3M Speedglas Welding Helmet 9100XXi MP Air with Heavy Duty Adflo powered air respirator.
57 88 26	3M Speedglas Welding Helmet 9100XXi MP Air with V-500E supplied air regulator.

For spare parts breakdown, please see [page 78](#).

¹⁾ The Speedglas Welding Lens 9100XXi combined with the peripheral Speedglas SideWindows gives the largest viewing area amongst auto-darkening welding helmets available at the time of printing.

3M™ Adflo™ Powered Air Purifying Respirator

Mobile and adaptable respiratory protection

As one of the most popular respirators of its kind in the world, the Adflo™ Powered Air Respirator is designed to provide welders a constant nominal airflow rate of 170/200 litres per minute, regardless of the battery's charge or the particle loading of the filter.

With its slim profile, the Adflo respirator offers excellent lightweight, adaptable and easy-to-use respiratory protection.

The respirator built for welders

Since its launch, the 3M™ Adflo™ powered air respirator has become synonymous with welders respiratory protection. The award-winning Adflo respirator is designed to meet your specific welding needs.

Upgraded features

The new Li-ion Adflo respirator is over 15% lighter and has one hour rapid charge. A self-adjusting quick-release breathing tube allows for simple one handed connection and release.

Clean air as you weld

Constant, clean air flows directly into your breathing zone. Choose between 170 litres per minute or 200 litres per minute (for hot, humid jobs) with the push of a button.

Adaptable filtration

With the right type of filter, the Adflo powered respirator effectively protects against a range of gases, vapours and particles.

You only have one set of lungs

The Adflo respirator complies with Australian and New Zealand Standard AS/NZS1716 for powered air respirators and offers a Required Minimum Protection Factor (RMPF) of 50 for mechanically and thermally generated particles.



NEW Heavy Duty Adflo Available

Technical Data	3M™ Adflo™ Powered Air Respirator
Approvals Respiratory Protection	Conforms to AS/NZS1716
Required Minimum Protection Factor (RMPF) ¹⁾	50
Airflow Standard Airflow Plus	170 litres/minute 200 litres/minute
Battery: Charging time	Li-ion with rapid charge (0-80% in an hour) ²⁾ 4.5 hours (standard), 5.5 hours (heavy duty)
Operating hours	8 hours (standard) or 12 hours (heavy duty)
Weight Respirator	960 grams
Noise level dB	Max 75 dB
Belt	Leather 75-115cm
<small>Gas and odour filters are available as an optional extra. 1) For mechanically and thermally generated particles. 2) Standard battery will be 80% charged (6.4 hours run time) in approximately one hour. Heavy duty battery will be 80% charged (9.6 hours run time) in approximately one hour.</small>	

Part No	Description
83 77 30	3M Adflo powered air respirator - standard.
83 77 31	3M Adflo powered air respirator - heavy duty.

For spare parts breakdown, please see **page 80**.

3M™ Versaflo™ Supplied Air Regulator V-500E

Light on your belt & heavy on protection

The balanced, belt-mounted V-500E supplied air regulator allows you to adjust the airflow between 170 litres per minute to 305 litres per minute.

A constant flow of clean, filtered air makes the V-500E regulator ideal for working in hot and humid conditions when used in combination with the 3M™ Speedglas™ welding helmet 9100 Air, 3M™ Speedglas™ welding helmet 9100 FX Air and 3M™ Speedglas™ welding helmet 9100 MP Air.



Connects to breathable air hoses

The V-500E regulator connects to an approved breathable air hose with a new quick-release connection. The supplied air must be of breathable quality meeting the performance standards of AS/NZS1716. A range of breathing air filtration systems are available to remove oil, water vapour or non-toxic, unpleasant odours. See [page 83](#).

Innovative & quiet

The Versaflo regulator V-500E features a low flow warning whistle and a silencer that reduces the regulator's noise level to less than 65 dBA - the equivalent of a typical conversation. The V-500E unit can be positioned on the belt to suit both left and right handed users and a swivelling bayonet connector allows the breathing hose to move freely to the most comfortable position.

Respiratory standards

The Versaflo regulator V-500E complies with Australian and New Zealand standards AS/NZS1716 for supplied air respirators and delivers a Required Minimum Protection Factor (RMPF) of 100+.

Technical Data	3M™ Versaflo™ SAR V-500E
Approvals Respiratory Protection	Conforms to AS/NZS1716
Required Minimum Protection Factor (RMPF)	100+
Airflow Nominal Pressure Range Maximum Pressure	170-305 litres/minute 3.5-8 bar 10 bar
Weight	514 grams
Noise level dB	Max 65 dB
Feeder Hose	Conforming to AS/NZS1716
Inlet and auxiliary port	1/4 inch BSP thread
To view compatible breathing air filtration systems, see page 83	

Part No	Description
85 20 17	3M Versaflo V-500E regulator with belt.
For spare parts breakdown, please see page 82 .	

3M™ Speedglas™ Welding Helmet Series 100V

Choose your graphic style



Ninja

751120



Trojan Warrior

751620



Xterminator

752220



Ice Hot

752520



Skull

752820



Motor

752920

Powerful new welding lens

Speedglas welding lens 100V is equipped with five adjustable dark shades: 8-12, a light shade of 3, three sensitivity settings, two delay settings and a new grind mode. Versatility at your fingertips.

Graphic series

Speedglas welding helmet series 100 delivers legendary Speedglas optical clarity and protection with distinctive graphic designs. Make an impact - choose from the graphics above.



Customise your fit

The new Speedglas welding helmet series 100 head harness provides comfort and adaptability. Featuring a smooth ratchet mechanism and multiple adjustment points, the head harness provides a customised fit.

3M™ Welding Helmet 10V

Simple functionality in a robust design



Simple switching with two sensitivity settings.

From the number one brand in welding Personal Protective Equipment (PPE).

Three most commonly used dark shades for welding with a super light shade 3.

Designed for all-round MIG/MAG, MMAW (electrode or 'stick') and (TIG>20A) welding.

Backed by a 2 year warranty, the longest in its class.

Part No	Description
10 11 10	3M Welding Helmet 10V. See page 88.

Confident protection

Robust, industrial helmet design. Complies with Australian and New Zealand Standards AS/NZS1337.1 and AS/NZS1338.1

Performance made affordable

Auto-darkening lens performance at a price that won't break the bank.





As the outer cover lens becomes pitted, scratched or too dirty to clean with a soft cloth, it's time to replace it. Find your replacement outer cover lenses in the table below:

Outer cover lens		9100XXi	9002NC	100V	10V
Part No	Description				
12 60 00	Standard				●
42 60 00	Standard		●		
42 70 00	Hard coated		●		
42 70 71	High heat		●		
52 60 00	Standard	●			
52 70 00	Hard coated	●			
52 70 70	High heat	●			
77 60 00	Standard			●	
77 70 00	Hard coated			●	
77 70 70	High heat			●	

The table shows the cover lenses for our current range of welding helmets. If you have an older helmet model check page 66.

Regularly clean the inner cover lens with a soft cloth and replace if any pits or scratches are present. Find the correct inner cover lens in the table below:

Inner cover lens		9100XXi	9002NC	100V	10V
Part No	Description				
42 80 00	Clear			●	●
42 80 10	Clear		●		
52 80 25	Clear	●			

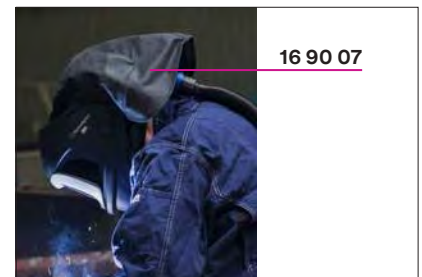
The table shows the cover lenses for our current range of welding helmets. If you have an older helmet model check page 66.

Next time, try the Spare Part Finder Tool - www.awsi.com.au/spare-parts-locator

We've got you covered

Every welder is different and each day your tasks can change. As the owner of a 3M™ Speedglas™ Welding Helmet, you have a variety of accessories available to maximise your protection and comfort.

Plus, we now offer a new generation of additional coverage products made in flame-retardant textiles for protection against molten metal, sparks and flames.



Quick guide to extend your protection

3M™ Speedglas™ Welding Helmet	9002NC	100	9100 + 9100 Air	9100FX + 9100 FX Air	9100 QR	9100 MP	
Head protection (Part No)		16 40 09	16 90 05	16 90 07 (large) 16 90 06 (small)	–	16 90 14 (reflective)	
Neck protection (Part No)		16 90 01 ¹⁾	16 90 10		16 40 05	16 90 15	
Hood (Part No)		16 91 00					16 90 15
Breathing tube cover (Part No)		–	83 40 18 (9100 Air and FX Air only)		–	83 40 18	

1) Alternative neck protection available in leather (part no 16 40 05).

Next time, try the Spare Part Finder Tool - www.awsi.com.au/spare-parts-locator

Variable shade selection

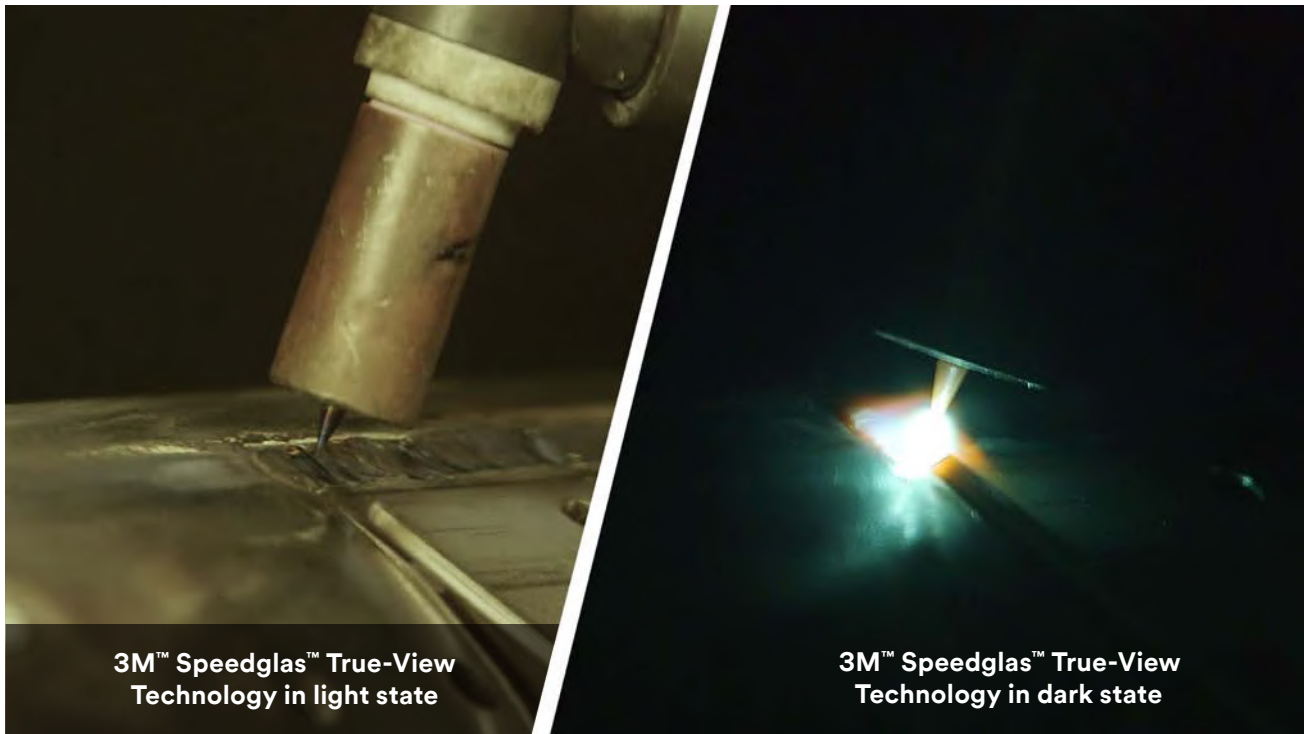
Recommended dark state shade selection chart

Shade selection is based on visible light - the brighter the light created from the weld, the darker the shade required. Below is a table with suggested shade selections across a wide range of applications and amperage levels.

Welding process	Current in amperes A																								
	1.5	6	10	15	30	40	60	70	100	125	150	175	200	225	250	300	350	400	450	500	600				
MMAW (covered electrodes)	8			9				10			11			12			13			14					
MAG	8				9			10			11			12			13								
TIG				8		9			10			11			12			13							
MIG								9			10			11			12			13		14			
MIG with light alloys											10			11		12		13		14					
Air-arc gouging								10						11		12		13		14		15			
Plasma jet cutting											9		10	11	12			13							
Microplasma arc welding	4	5	6		7	8	9	10		11			12												
	1.5	6	10	15	30	40	60	70	100	125	150	175	200	225	250	300	350	400	450	500	600				

The table features the recommended dark shades for various working applications. According to the conditions of use, the dark shade below or above the listed dark shade can be used based on personal preference.

More clarity in the dark and light states



True-View colour and clarity before, during and after welding when using the 3M™ Speedglas™ Welding Lens 9100XXi or 9002NC. The Speedglas 9100XXi welding helmet series offers True-View combined with the largest viewing area on the market including SideWindow peripheral vision.

3M™ PELTOR™ Earmuffs X-Series

No compromises

Ear cups have a streamlined design that doesn't compromise noise attenuation

Helmet mounted

Integrated design for more robustness. Compatible with Speedglas 9100XXi QR Welding & Safety Helmet



Part no. MX4P3EG
Class 5 (SLC80 27dB)

Comfortable

Lightweight dual moulded cups to help minimise heat and moisture build-up

Stylish and reliable

New ear cushion foam technology for an effective acoustic seal and reliable protection

Despite industry regulations, 40 million workers are exposed to loud noise and 13 million suffer from hearing disorders.¹⁾

3M™ PELTOR™ Welding Earmuffs H505B

Good fit

Fit perfectly under the 3M™ Speedglas™ Welding Helmet Series 9100

SLC80 22dB Class 4 hearing protection available for the Speedglas 9100, 9100 FX, 9100 Air and 9100 FX Air.

Less scratch sound

Semi-soft cup surface helps minimise scratch sound transmission



Part no. 19 70 12

Reliable noise reduction

Soft ear cushions provide a comfortable seal and help reduce loud noise exposure

Stays in place

Two-point suspension and wire neckband for a secure, comfortable fit

3M™ Speedglas™ Welding Helmet 9100 FX Air



Helmet systems with powered air

Part No	Description
54 77 26 ¹⁾	Speedglas 9100XXi FX Air welding helmet with standard Adflo powered air respirator - complete.
547726HD ¹⁾	Speedglas 9100XXi FX Air welding helmet with heavy duty Adflo powered air respirator - complete.

Helmet system with supplied air

Part No	Description
54 88 26 ¹⁾	Speedglas 9100XXi FX Air welding helmet with Versaflo V-500E supplied air regulator - complete.

Auto-darkening welding lens

Part No	Description
50 00 26	Speedglas 9100XXi welding lens.

Maintenance tips for 3M™ Speedglas™ Welding Helmet 9100 FX Air

For Care & Maintenance information, posters and videos, visit our website at www.awsi.com.au



www.awsi.com.au



It is important that the face seal is correctly installed and fitted to provide the correct protection factor.



Is your clear grinding visor not so clear anymore? Learn how to replace it at www.awsi.com.au



If you need additional protection for your head, watch how to install the large head cover.

3M™ Speedglas™ Welding Helmet 9100 MP Air



Helmet systems with powered air

Part No	Description
57 77 26 ¹⁾	Speedglas 9100XXi MP Air welding and safety helmet with standard Adflo powered air respirator - complete.
577726HD ¹⁾	Speedglas 9100XXi MP Air welding and safety helmet with heavy duty Adflo powered air respirator - complete.

Helmet system with supplied air

Part No	Description
57 88 26 ¹⁾	Speedglas 9100XXi MP Air welding and safety helmet with Versaflo V-500E supplied air regulator - complete.

Auto-darkening welding lens

Part No	Description
50 00 26	Speedglas 9100XXi welding lens.

Maintenance tips for 3M™ Speedglas™ Welding Helmet 9100 MP Air

For Care & Maintenance information, posters and videos, visit our website at www.awsi.com.au



www.awsi.com.au



Need to refresh the head protection on your 9100MP? Find out how to remove the safety helmet.



Learn how to install the heat-reflecting, silver helmet cover, helping to shield dust and particles from your helmet.



Need higher attenuation for your hearing protection, or is it just time to replace the old ones? See how to assemble the ear muffs in this video.

¹⁾ With storage bag (79 0101)

3M™ Adflo™ Powered Air Purifying Respirator (PAPR)



**Respirator without headtop
– standard battery**

Part No	Description
83 77 30	Adflo powered air respirator with standard battery - complete.



**Respirator without headtop
– heavy duty battery**

Part No	Description
83 77 31	Adflo powered air respirator with heavy duty battery - complete.



Standard battery upgrade kit

Don't get weighed down. A lightweight Lithium-ion battery designed for the Adflo respirator.

- Run time 8 hours¹⁾
- Charging time 4.5 hours
- Compact and lightweight
- Rapid Charge (approx. 0-80% capacity in 1 hour)
- Kit includes new Li-ion standard battery and charger

Part No: 83 76 30C



Heavy duty battery upgrade kit

A high-capacity Lithium-ion battery pack extends the operating hours of the respirator.

- Long run time 12 hours¹⁾
- Charging time 5.5 hours
- Compact and lightweight
- Rapid Charge (approx. 0-80% capacity in 1 hour)
- Kit includes new Li-ion heavy duty battery and charger

Part No: 83 76 31C



3M™ Adflo™ Battery Charging Stand

The 6-position battery charging stand for Adflo battery chargers provides the ability to charge six batteries simultaneously - saving both time and hassle²⁾. Compatible with legacy Ni-MH batteries and the new Li-ion batteries. Flexible installation: either wall-mounted or stand-alone.

Part No: 83 37 09

¹⁾ Expected operating times are when using a new, fully-charged battery, new particle filter and a standard airflow setting.

²⁾ Item does not include the battery chargers or batteries displayed. Batteries and chargers sold separately.

3M™ Speedglas™ Welding Helmet Series 100



75 00 20

Auto-darkening welding lens

Part No	Description
75 00 20	Speedglas 100V welding lens.



Ninja welding helmet

Part No	Description
75 11 20	Speedglas 100V Ninja - complete.



Trojan Warrior welding helmet

Part No	Description
75 16 20	Speedglas 100V Trojan Warrior - complete.



Xterminator welding helmet

Part No	Description
75 22 20	Speedglas 100V Xterminator - complete.



Ice Hot welding helmet

Part No	Description
75 25 20	Speedglas 100V Ice Hot - complete.



Skull welding helmet

Part No	Description
75 28 20	Speedglas 100V Skull - complete.



Motor welding helmet

Part No	Description
75 29 20	Speedglas 100V Motor - complete.

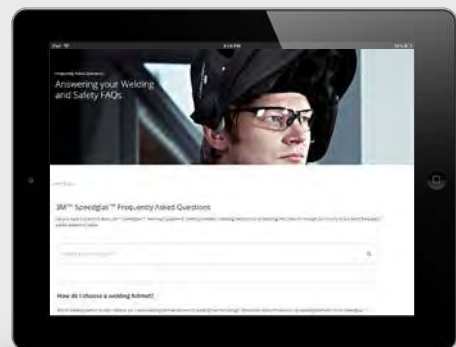
Frequently Asked Questions

Do you have a Speedglas question but can't seem to find the answer?

Visit our website to see our FAQ section!

Find out more about Speedglas plate markings, welding helmet classifications, how an auto-darkening welding lens works and more!

Visit www.awsi.com.au/faq



Ejendals™ Tegera® Welding Gloves



T126A-07
T126A-08
T126A-09
T126A-10
T126A-11

Ejendals Tegera 126A Professional TIG Welding Gloves

- Legendary Tegera 'resting-fit'
- Must try dexterity and fingertip sensitivity
- Industry's best quality, vertically-cut, full-grain goatskin
- Unique TIG index finger design
- Long slim-fit 180° elasticated TIG cuff
- Unrivalled Tegera robustness & durability



T19-10

Ejendals Tegera 19 Professional Welding Gauntlets

- Legendary Tegera 'resting-fit'
- Unique dexterity and fingertip sensitivity in a gauntlet
- Industry's best quality, vertically-cut, split-grain cowhide
- Reinforced seams for heavy-duty applications
- Slim-fit 180° elasticated European cuff design
- Unrivalled Tegera robustness and durability



T134-10

Ejendals Tegera 134 Heavy Duty Welding Gauntlets

- Industry's best full-grain goatskin, turned inside-out
- Unrivalled internal comfort with maximum external durability
- Ultimate dexterity and fingertip sensitivity
- Legendary Tegera 'resting-fit' with reinforced index finger
- Extra-long, slim-fit 180° elasticated comfort cuff
- Water and oil-repellent with a Cut 4 rating
- Reinforced Kevlar® and Nomex® lining

Ejendals™ J alas® Welding Boots

Ejendals J alas 1848K Titan Welding Boots

- Australian & New Zealand Standards Compliant with AS/NZS2210.3:2009
- Highest level of protection with excellent grip regardless of conditions
- PU-coated leather specifically built for welding
- Legendary J alas comfort and spacious fit based on 100 years of experience
- Heat-resistant upper and outsole with Kevlar threaded seams
- Thinsulate heat insulation for welding applications
- Aluminium toecap with toe reinforcement
- Velcro fastening for quick release
- No weld slag collection areas
- Oil-resistant and water-repellent outsole with anti-static properties
- Double shock absorption system



T1848K-39
T1848K-40
T1848K-41
T1848K-42
T1848K-43
T1848K-44
T1848K-45
T1848K-46
T1848K-47
T1848K-48

Part No	Description	Part No	Description	Part No	Description
T126A-07	Glove TIG Tegera 126A Size 7	T1848K-39	J alas 1848K Titan Welding Boot Size 39	T1848K-44	J alas 1848K Titan Welding Boot Size 44
T126A-08	Glove TIG Tegera 126A Size 8	T1848K-40	J alas 1848K Titan Welding Boot Size 40	T1848K-45	J alas 1848K Titan Welding Boot Size 45
T126A-09	Glove TIG Tegera 126A Size 9	T1848K-41	J alas 1848K Titan Welding Boot Size 41	T1848K-46	J alas 1848K Titan Welding Boot Size 46
T126A-10	Glove TIG Tegera 126A Size 10	T1848K-42	J alas 1848K Titan Welding Boot Size 42	T1848K-47	J alas 1848K Titan Welding Boot Size 47
T126A-11	Glove TIG Tegera 126A Size 11	T1848K-43	J alas 1848K Titan Welding Boot Size 43	T1848K-48	J alas 1848K Titan Welding Boot Size 48
T134-10	Gauntlet Heavy Duty Welding Tegera 134 Size 10				
T19-10	Gauntlet Welding Tegera 19 Size 10				

3M™ Speedglas™ Welding Helmets

● Best¹⁾ ● Better¹⁾ ● Good¹⁾ × Not Recommended¹⁾



Specification	3M™ Speedglas™ Welding Helmet 100V See page 34	3M™ Speedglas™ Welding Helmet 9002NC 40 13 85	3M™ Speedglas™ Welding Helmet 9100XXi 50 18 26	3M™ Speedglas™ Welding Helmet 9100XXi FX 54 18 26
MMAW (electrode)	●	●	●	●
MIG/MAG	●	●	●	●
TIG (>10A)	●	●	●	●
TIG (1A-10A)	×	●	●	●
Plasma (welding and cutting)	×	●	●	●
Hidden Arc	×	●	●	●
Tack welding	●	●	●	●
Grinding (welding lens)	●	●	●	●
Grinding (clear visor)		● optional		
Viewing area (welding lens)	44 × 93 mm	55 × 107 mm	73 × 107 mm	73 × 107 mm
Battery lifetime	1 500 hours	2 000 hours	1 800 hours	1 800 hours
Classification ²⁾	1 / 2 / 2	1 / 1 / 1 (with True-View)	1 / 1 / 1 (with True-View)	1 / 1 / 1 (with True-View)
Dark state	Shade 8-12	Shade 8-12	Shade 5, 8, 9-13	Shade 5, 8, 9-13
Light state	Shade 3	Shade 3	Shade 3	Shade 3
UV Protection	Shade 12 (permanent)	Shade 12 (permanent)	Shade 13 (permanent)	Shade 13 (permanent)
Switching time, light-dark	0.1 ms (+23° C)	0.1 ms (+23° C)	0.1 ms (+23° C)	0.1 ms (+23° C)
Delay (switching time, dark-light)	40-250 ms	60-400 ms	40-800 ms	40-800 ms
SideWindows	No	No	Yes	Yes
Exhaust vents	No	Yes	Yes	Yes
Standards Compliance				
Eye protection	AS/NZS1338.1	AS/NZS1338.1	AS/NZS1338.1	AS/NZS1338.1
Face protection	AS/NZS1337	AS/NZS1337.1	AS/NZS1337.1	AS/NZS1337.1
Head protection				
Respiratory protection				
Optional Hearing protection				
Required Minimum Protection Factor (RMPF) ³⁾				
Powered air respiratory protection - Adflo				
Supplied air respiratory protection - V-500E				

1) The ratings above (best - better - good - not recommended) only refer to the products listed in this chart and should be considered as general recommendations only.

2) Auto-darkening welding lenses have a classification system in European Standard EN379: optical class / diffusion of light / variation on luminous transmittance. Classification range from 1 to 3, with 1 being the best.

3) For mechanically and thermally generated particles .



3M™ Speedglas™ Welding Helmet 9100XXi QR 50 36 26	3M™ Speedglas™ Welding Helmet 9100XXi Air Powered Air: 50 77 26 Supplied Air: 50 88 26	3M™ Speedglas™ Welding Helmet 9100XXi FX Air Powered Air: 54 77 26 Supplied Air: 54 88 26	3M™ Speedglas™ Welding Helmet 9100XXi MP Air Powered Air: 57 77 26 Supplied Air: 57 88 26	3M™ Versaflo™ Headtop M-107, M-307, M-407 See page 40
●	●	●	●	NA
●	●	●	●	NA
●	●	●	●	NA
●	●	●	●	NA
●	●	●	●	NA
●	●	●	●	NA
●	●	●	●	NA
●	●	●	●	NA
●	●	●	●	●
73 × 107 mm	73 × 107 mm	73 × 107 mm	73 × 107 mm	NA
1800 hours	1800 hours	1800 hours	1800 hours	NA
1 / 1 / 1 (with True-View)	1 / 1 / 1 (with True-View)	1 / 1 / 1 (with True-View)	1 / 1 / 1 (with True-View)	NA
Shade 5, 8, 9-13	Shade 5, 8, 9-13	Shade 5, 8, 9-13	Shade 5, 8, 9-13	NA
Shade 3	Shade 3	Shade 3	Shade 3	NA
Shade 13 (permanent)	Shade 13 (permanent)	Shade 13 (permanent)	Shade 13 (permanent)	NA
0.1 ms (+23° C)	0.1 ms (+23° C)	0.1 ms (+23° C)	0.1 ms (+23° C)	NA
40-800 ms	40-800 ms	40-800 ms	40-800 ms	NA
Yes	Yes	Yes	Yes	NA
Yes	No	No	No	NA
AS/NZS1338.1 AS/NZS1337.1 AS/NZS1801 AS/NZS1270	AS/NZS1338.1 AS/NZS1337.1 AS/NZS1716	AS/NZS1338.1 AS/NZS1337.1 AS/NZS1716	AS/NZS1338.1 AS/NZS1337.1 AS/NZS1801 AS/NZS1716 AS/NZS1270	AS/NZS1337.1 AS/NZS1801 (EXC M-107) AS/NZS1716 AS/NZS1270 (EXC M-407)
	50 100+	50 100+	50 100+	50 100+

Welding Helmet Selector Tool

If you're still unsure about which helmet best suits your needs, try our Welding Helmet Selector Tool:

Visit www.awsi.com.au/welding-helmet-selector

3M™ Speedglas™ Core Spare Part Index



Spare Part Required	3M™ Speedglas™ Welding Helmet 100V	3M™ Speedglas™ Welding Helmet 9002NC	3M™ Speedglas™ Welding Helmet 9100XXi	3M™ Speedglas™ Welding Helmet 9100XXi FX
Outside Cover Lens Standard	77 60 00	42 60 00	52 60 00	52 60 00
Outside Cover Lens Hard Coated	77 70 00	42 70 00	52 70 00	52 70 00
Outside Cover Lens High Heat	77 70 70	42 70 71	52 70 70	52 70 70
Inside Cover Lens	42 80 00	42 80 10	52 80 25	52 80 25
Grinding Plate	NA	42 30 00	NA	52 30 00 (standard) 52 30 01 (anti-fog)
Sweatband (Pack of 2)	16 85 02	16 85 02	16 95 02	16 95 02
Sweatband (Pack of 5)	16 85 05	16 85 05	16 95 05	16 95 05
Replacement Batteries for Lens	42 20 00	42 20 00	42 20 00	42 20 00
Replacement Battery Holder (Pack of 2)	73 10 00	43 10 00	53 10 00	53 10 00
Magnifying Lens 1.0x, 1.5x, 2x, 2.5x, 3.0x	17 10 20, 17 10 21, 17 10 22, 17 10 23, 17 10 24	17 10 20, 17 10 21, 17 10 22, 17 10 23, 17 10 24	17 10 20, 17 10 21, 17 10 22, 17 10 23, 17 10 24	17 10 20, 17 10 21, 17 10 22, 17 10 23, 17 10 24
Extra Protection Head	16 40 09	16 40 09	16 90 05	16 90 06 (small) 16 90 07 (large)
Extra Protection Neck	16 90 01	16 90 01	16 90 10	16 90 10
Extra Protection Hood	16 91 00	16 91 00	16 91 00	16 91 00
Head Harness	70 50 15	70 50 15	53 30 00	53 30 00
Head Harness Attachments	70 60 00	70 60 00	53 60 00	53 60 00
Face Seal	NA	NA	NA	NA
Pre-Filter	NA	NA	NA	NA
Particle Filter	NA	NA	NA	NA
Odour Filter	NA	NA	NA	NA
Odour Filter Replacement Pad	NA	NA	NA	NA
Gas Filter - Organic Vapour / Acid Gas	NA	NA	NA	NA
Gas Filter - A1, Organic	NA	NA	NA	NA
Adflo Battery Standard	NA	NA	NA	NA
Adflo Battery Heavy Duty	NA	NA	NA	NA
Adflo Battery Charger	NA	NA	NA	NA
Breathing Tube QRS	NA	NA	NA	NA

1) Only suitable for use with M-400 Series headtops.

2) Ideal for powder coating, paint spray or similar applications. The 895976 is designed solely to keep the wearer clean and does not provide additional respiratory protection.

3) Lithium-ion (grey) batteries (83 76 30, 83 76 31) are only compatible with the Lithium-ion battery charger (83 3111).



3M™ Speedglas™ Welding Helmet 9100XXi QR	3M™ Speedglas™ Welding Helmet 9100XXi Air	3M™ Speedglas™ Welding Helmet 9100XXi FX Air	3M™ Speedglas™ Welding Helmet 9100XXi MP Air	3M™ Versaflo™ Headtop M-107, M-307, M-407
52 60 00	52 60 00	52 60 00	52 60 00	NA
52 70 00	52 70 00	52 70 00	52 70 00	NA
52 70 70	52 70 70	52 70 70	52 70 70	NA
52 80 25	52 80 25	52 80 25	52 80 25	NA
NA	NA	52 30 00 (standard) 52 30 01 (anti-fog)	52 30 00 (standard) 52 30 01 (anti-fog)	NA
16 75 02	16 95 02	16 95 02	16 85 02	16 85 02
16 75 05	16 95 05	16 95 05	16 85 05	16 85 05
42 20 00	42 20 00	42 20 00	42 20 00	NA
53 10 00	53 10 00	53 10 00	53 10 00	NA
17 10 20, 17 10 21, 17 10 22, 17 10 23, 17 10 24	17 10 20, 17 10 21, 17 10 22, 17 10 23, 17 10 24	17 10 20, 17 10 21, 17 10 22, 17 10 23, 17 10 24	17 10 20, 17 10 21, 17 10 22, 17 10 23, 17 10 24	NA
NA	16 90 05	16 90 06 (small) 16 90 07 (large)	16 90 14	89 59 72
16 40 05	16 90 10	16 90 10	16 90 15	89 54 48 ¹⁾
16 91 00	16 91 00	16 91 00	16 90 15	89 59 76 ²⁾
NA	53 30 00	53 30 00	53 30 01	53 30 01 (M-307, M-407) 89 51 50 (M-107)
NA	53 60 00	53 60 00	NA	NA
NA	53 41 00	53 40 00	53 42 00	89 59 37
NA	83 60 10	83 60 10	83 60 10	83 60 10
NA	83 70 10	83 70 10	83 70 10	83 70 10
NA	83 71 10	83 71 10	83 71 10	83 71 10
NA	83 71 20	83 71 20	83 71 20	83 71 20
NA	83 72 42	83 72 42	83 72 42	83 72 42
NA	83 75 42	83 75 42	83 75 42	83 75 42
NA	83 76 30 ³⁾	83 76 30 ³⁾	83 76 30 ³⁾	83 76 30 ³⁾
NA	83 76 31 ³⁾	83 76 31 ³⁾	83 76 31 ³⁾	83 76 31 ³⁾
NA	83 31 11 ³⁾	83 31 11 ³⁾	83 31 11 ³⁾	83 31 11 ³⁾
NA	83 40 16	83 40 16	83 40 16	83 40 16

Spare Part Finder Tool

If you're still unsure about which spare part you need, try our Spare Part Finder Tool:

Visit www.awsi.com.au/spare-parts-locator

Welding Helmet Selector Tool

If you're still unsure about which helmet best suits your needs, try our Welding Helmet Selector Tool:

Visit www.awsi.com.au/welding-helmet-selector



3M™ Speedglas™ Respiratory Welding Helmets



3M™ Speedglas™ Welding Helmet 9100XXi Air with 3M™ Adflo™ PAPR

- External button for grinding and memory mode
- Extra-large viewing area (73 × 107mm) with peripheral Sidewindows
- True-View for best viewing, colour and contrast
- New upgraded Adflo PAPR is super light with one hour rapid charge



3M™ Speedglas™ Welding Helmet 9100XXi FX Air with 3M™ Adflo™ PAPR

- Flip-up mechanism reveals a high impact grinding visor
- Extra-large viewing area (73 × 107mm) with peripheral Sidewindows
- True-View for best viewing, colour and contrast
- New upgraded Adflo PAPR is super light with one hour rapid charge



3M™ Speedglas™ Welding Helmet G5-01VC with Heavy-Duty 3M™ Adflo™ PAPR

- Flip-up mechanism reveals 15% larger high impact grinding visor
- Largest ever Speedglas welding lens (73 × 109mm) with extra dark shade 14
- True-View and variable dark state colours
- Airflow control and Bluetooth connectivity
- Heavy-duty Adflo PAPR provides 12 hours' continuous respiratory protection

3M™ Speedglas™ Non-Respiratory Welding Helmets



3M™ Speedglas™ Welding Helmet 9100XXi FX

- Flip-up mechanism reveals a high impact grinding visor
- New TrueView for best viewing, colour and contrast
- Largest viewing area on the market with peripheral Sidewindows



3M™ Speedglas™ Welding Helmet 9100XXi

- External grind & memory mode
- New TrueView for best viewing, colour and contrast
- Largest viewing area on the market with peripheral Sidewindows
- Exhaust vents remove exhaled air



3M™ Speedglas™ Welding Helmet 9002NC

- Super lightweight at just 485g
- New TrueView for best viewing, colour and contrast
- Large viewing area 55 × 107mm
- Shade 8-12 with a light shade of 3

3M™ Speedglas™ 100V Graphic Welding Helmet Series



- New shade 3 grind function
- Speedglas optical quality and comfort
- TST (TIG Sensor Technology) reacts down to 10 amps
- Shades 3/8-12 with magnifying lens holder
- New smooth ratchet head harness
- Choose from six distinctive graphic options



Part no.	Description
751120	100V Ninja
751620	100V Trojan Warrior
752220	100V Xterminator
752520	100V Ice Hot
752820	100V Skull
752920	100V Motor

CLAMPS

Steel Ground Clamp



- Copper strap

Part No	Description
GD300	Ground clamp 300 amps

Steel Ground Clamp



- Copper strap

Part No	Description
GD500	Ground clamp 500 amps

Earth Clamp



- Direct cable connect
- With copper strap

Part No	Description
AFGD500DC	Earth clamp 500 amp

Brass Euro Clamp



- With copper strap

Part No	Description
AFEBC	Euro brass clamp 500 amp

Brass Earth Clamp



- Without copper strap

Part No	Description
ECGM20	Earth clamp 200 amp

Brass Heavy Duty Clamp



- Copper plated steel spindle
- Direct cable connection
- 82 mm / 56 mm opening

Part No	Description
AFG700L	Heavy duty clamp 600 amp

Earth Clamp



- Brass / Steel
- G type DC connection
- 38 mm / 52 mm

Part No	Description
AFG500S	Earth clamp 500 amp

Steel Earth Clamp



- Direct connection
- 40 mm / 22 mm

Part No	Description
ECDN40	Earth clamp 400 amp

Ground Clamp Magnetic



- Steel / Brass stud 12 mm
- 400 amps @ 60%

Part No	Description
AFMAG400	Ground clamp 400 amp

Rotary Ground Clamp Magnetic



- Brass / Steel
- Dual rotary feature prevents cable tangling

Part No	Description
AFMGR500	Rotary clamp 500 amp

Earth Clamp



- Brass / Steel
- Screw type

Part No	Description
EG600	Earth clamp 600 amp

CE



- WEC200**
 200A TONG EARTH CLAMP
 - Spring Loaded Jaws
 - Copper Braided shunt
 - 200A@35%

CE



- WEC250**
 250A TONG EARTH CLAMP
 - Spring Loaded Jaws
 - Requires no lug
 - Copper Braided shunt
 - 250A@35%

CE



- WEC350**
 350A TONG EARTH CLAMP
 - Spring Loaded Jaws
 - Requires no lug
 - Copper Braided shunt
 - 350A@35%

CE



- WEC500**
 500A TONG EARTH CLAMP
 - Spring Loaded Jaws
 - Requires no lug
 - Copper Braided shunt
 - 500A@35%

CE



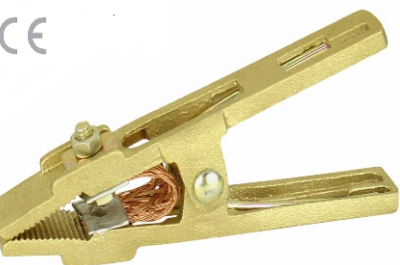
- WEC600**
 600A TONG EARTH CLAMP
 - Spring Loaded Jaws
 - Requires no lug
 - Copper Braided shunt
 - 600A@35%

CE



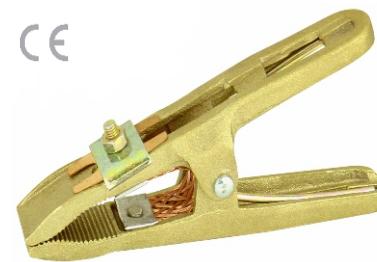
- WEC500A**
 500A TONG EARTH CLAMP
 - American Type
 - Copper Braided shunt
 - 500A@35%

CE



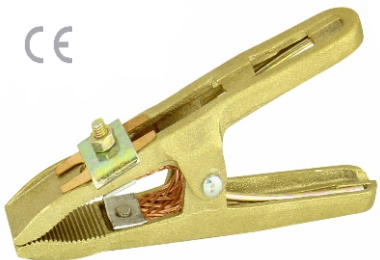
- WEC200B**
 200A BRASS EARTH CLAMP
 - Spring Loaded Jaws
 - Requires no lug
 - Copper Braided shunt
 - 200A@35%

CE



- WEC400B**
 400A BRASS EARTH CLAMP
 - Spring Loaded Jaws
 - Requires no lug
 - Copper Braided shunt
 - 400A@35%

CE

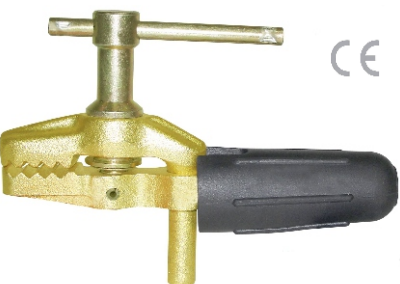


- WEC600B**
 600A BRASS EARTH CLAMP
 - Spring Loaded Jaws
 - Requires no lug
 - Copper Braided shunt
 - 600A@35%

CE

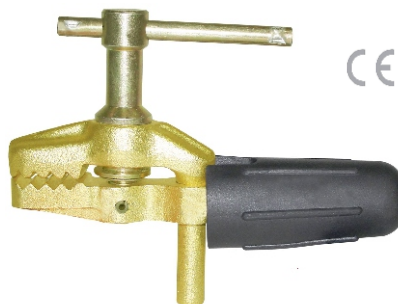


- WEC600G**
 600A G SCREW CLAMP
 - All Brass construction
 - Compact Durable Clamp
 - 500A@60%



- WSC700F**
 600A BRASS EARTH CLAMP
 - Screw Jaw
 - Dual grub screw
 - Fiberglass Sleeve
 - 500A@60%

CE



- WSC700**
 600A BRASS EARTH CLAMP
 - Screw Jaw
 - Dual grub screw
 - Rubber Sleeve
 - 500A@60%



WCS1625
CABLE SOCKET 1625
- Female Connection
- Suits 16-25mm² Cable

WCP1625
CABLE PLUG 1625
- Male Connection
- Suits 16-25mm² Cable



WCS5070
CABLE SOCKET 5070
- Female Connection
- Suits 50-70mm² Cable

WCP5070
CABLE PLUG 5070
- Male Connection
- Suits 50-70mm² Cable



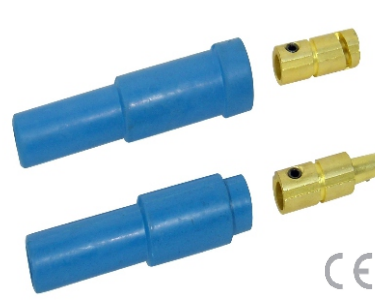
WPS25
PANEL SOCKET 1625
- Female Connection

WPP25
PANEL PLUG 5070
- Male Connection



WPS7095
PANEL SOCKET 7095
- Female Connection

WPP7095
PANEL PLUG 7095
- Male Connection



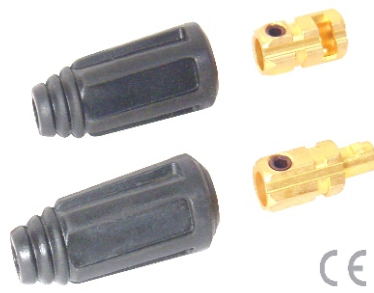
WMC300M
MECH CONNECTOR
- Male Connection
- 300A@35%

WMC300F
MECH CONNECTOR
- Female Connection
- 300A@35%



WLUG25
- Suit 25mm Cable
- 12mm Hole

WLUG35
- Suit 35mm Cable
- 12mm Hole



WCS3550
CABLE SOCKET 3550
- Female Connection
- Suits 35-50mm² Cable

WCP3550
CABLE PLUG 3550
- Male Connection
- Suits 35-50mm² Cable



WCS7095
CABLE SOCKET 7095
- Female Connection
- Suits 70-95mm² Cable

WCP7095
CABLE PLUG 7095
- Male Connection
- Suits 70-95mm² Cable



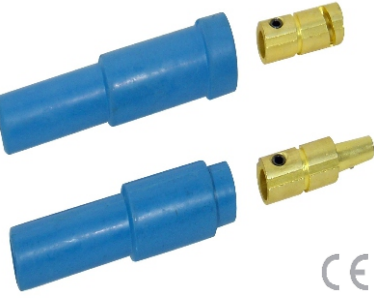
WPS3550
PANEL SOCKET 3550
- Female Connection

WPP3550
PANEL PLUG 3550
- Male Connection



WDA25M50F
DINSE ADAPTOR
- From 10/25 to 35/50

WDA50M25F
DINSE ADAPTOR
- From 35/50 to 10/25



WMC500M
MECH CONNECTOR
- Male Connection
- 500A@35%

WMC500F
MECH CONNECTOR
- Female Connection
- 500A@35%



WLUG50
- Suit 50mm Cable
- 12mm Hole

WLUG70
- Suit 70mm Cable
- 12mm Hole



CK-16-5-01
EARTH LEAD KIT 5MTR
- 16-25 Connection
- 5mtr x 16mm Cable



CK-16-5-04
WORK LEAD KIT 5MTR
- 16-25 Connection
- 5mtr x 16mm Cable



CK-25-5-52
EARTH LEAD KIT 5MTR
- 25-50 Connection
- 5mtr x 25mm Cable



CK-25-5-53
WORK LEAD KIT 5MTR
- 25-50 Connection
- 5mtr x 25mm Cable



CK-35-5-54
EARTH LEAD KIT 5MTR
- 25-50 Connection
- 5mtr x 35mm Cable



CK-50-5-51
EARTH LEAD KIT 5MTR
- 25-50 Connection
- 5mtr x 50mm Cable



WGSPK4000
GOUGING TORCH
- 1000 Amps Max
- 360o Swivel Cable
- 15o Angle Head
- Carbon Range 4-13mm



WGSPK3
GOUGING TORCH
- 600 Amps Max
- Straight Head



WGSPK5
GOUGING TORCH
- 1200 Amps Max
- Straight Head



WECH
CHALK HOLDER
- Holds 125X12X5 chalk
WEC125125
Chalk 12x5x125mm
WEC51075
Chalk 5x10x75mm



- WMEHS**
MAGNETIC STAND
- Electrode Holder Stand
 - Magnetic Base
 - Removable Base



- WMMTS**
MAGNETIC STAND
- Mig Torch Stand
 - Magnetic Base
 - Removable Base



- WMTTS**
MAGNETIC STAND
- Tig Torch Stand
 - Magnetic Base
 - Removable Base



- WMIM**
INSPECTION MIRROR
- Inspection Mirror
 - Flexible arm
 - Magnetic Base
 - Swivel Joint



- WMPH7570**
MAGNETIC POSITION
- Holds welding jobs
 - 75x70mm
 - Lift Capacity 4kg
 - Support Weight 20kg



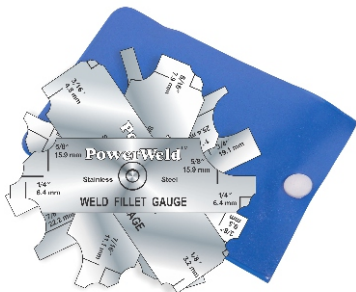
- WMPH5762**
MAGNETIC POSITION
- Holds welding jobs
 - 57x62mm
 - Lift Capacity 2kg
 - Support Weight 12.5kg



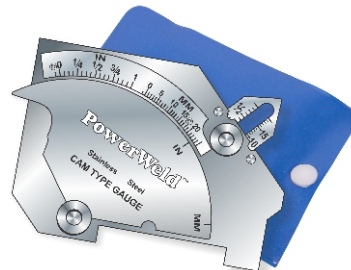
- WMPH116125**
MAGNETIC POSITION
- Holds welding jobs
 - 116x125mm
 - Lift Capacity 15kg
 - Support Weight 43kg



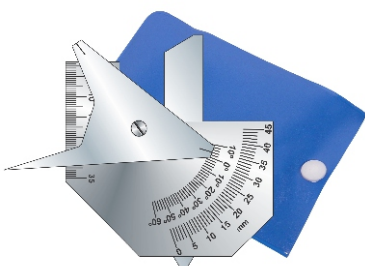
- WMPH9293**
MAGNETIC POSITION
- Holds welding jobs
 - 92x93mm
 - Lift Capacity 9kg
 - Support Weight 36kg



- WG-11**
WELD GAUGE
- Fillet Guage
 - Measures 11 sizes
 - Convex or concave welds



- WG-8**
WELD GAUGE (CAM)
- Measures fillet leg length
 - Measures weld throat
 - Undercut & pitting depth
 - Root & face gap



- WG-8**
WELD GAUGE (NAKA TYPE)
- Measures fillet leg length & weld throat throat size, Undercut & pitting depth. Excess weld metal, root and face gap, angle of preparation & misalignment



- WMIPLIER**
MIG PLIERS
- Cuts Wire
 - Cleans Nozzles
 - Unscrews tips

GAS WELDING & CUTTING

ARGON/CO2 REGULATOR

Single Stage Argon/Co2 Regulator

- Bottom Entry with Gauge
 - 0-35 L/Min
 - 5/8-18 UNF RH Outlet
 - AS 2473 Type 10 Inlet
 - AS 4267 Compliant
- GRARG**



ARGON/CO2 REGULATOR

Single Stage Argon/Co2 Regulator

- Side Entry with Gauge
 - 0-35 L/Min
 - 5/8-18 UNF RH Outlet
 - AS 2473 Type 10 Inlet
 - AS 4267 Compliant
- GRARGS**



ARGON/CO2 REGULATOR

Single Stage Argon/Co2 Regulator

- Bottom Entry with Flowmeter
 - 0-25 L/Min
 - 5/8-18 UNF RH Outlet
 - AS 2473 Type 10 Inlet
 - AS 4267 Compliant
- GRARPF**



ARGON/CO2 REGULATOR

Single Stage Argon/Co2 Regulator

- Side Entry with Flowmeter
 - 0-25 L/Min
 - 5/8-18 UNF Outlet
 - AS 2473 Type 10 Inlet
 - AS 4267 Compliant
- GRARPSF**



ARGON/CO2 REGULATOR

Single Stage Argon/Co2 Regulator

- Bottom Entry Preset
 - 0-25 L/Min
 - 5/8-18 UNF RH Outlet
 - AS 2473 Type 10 Inlet
 - AS 4267 Compliant
- GRARP**



ARGON/CO2 REGULATOR

Single Stage Argon/Co2 Regulator

- Side Entry Preset
 - 0-25 L/Min
 - 5/8-18 UNF RH Outlet
 - AS 2473 Type 10 Inlet
 - AS 4267 Compliant
- GRARP**



FLOW METER

FlowMeter 0-25L/Min

- 5/8-18 UNF RH Inlet
 - 5/8-18 UNF RH Outlet
 - AS 4267 Compliant
- GRF25**



REGULATOR

Single Stage Co2 Regulator

- Side Entry with Gauge
 - 0-35 L/Min
 - 5/8-18 UNF RH Outlet
 - AS 2473 Type 30 Inlet
 - AS 4267 Compliant
- GRCO2**



GAS WELDING & CUTTING

Co2 REGULATOR

- Single Stage Co2 Regulator
- Side Entry Preset with FlowMeter
 - 0-25 L/Min
 - 5/8-18 UNF RH Outlet
 - AS 2473 Type 30 Inlet
 - AS 4267 Compliant
- GRCO2PF**



Co2 HEATER

- Co2 Heater 240V
GRCO2H-240
Co2 Heater 110V
GRCO2H-110



Co2 REGULATOR

- Single Stage Co2 Regulator
- Side Entry Preset
 - 0-25 L/Min
 - 5/8-18 UNF RH Outlet
 - AS 2473 Type 30 Inlet
 - AS 4267 Compliant
- GRCO2P**



NITROGEN REGULATOR

- Single Stage Nitrogen Regulator
- 0-1000kPa
 - 5/8-18 UNF RH Outlet
 - AS 2473 Type 50 Inlet
 - AS 4267 Compliant



- Side Entry with Gauge
RC1SNI10
Bottom Entry with Gauge
RC1BNI10

OXYGEN REGULATOR

- Single Stage Oxygen Regulator
- Bottom Entry with Gauge
 - 0-1000kPa
 - 5/8-18 RH UNF Outlet
 - AS 2473 Type 10 Inlet
 - AS 4267 Compliant
- GROXY**



OXYGEN REGULATO

- Single Stage Oxygen Regulator
- Side Entry with Gauge
 - 0-1000kPa
 - 5/8-18 RH UNF Outlet
 - AS 2473 Type 10 Inlet
 - AS 4267 Compliant
- GROXYS**



ACETYLENE REGULATOR

- Single Stage Acetylene Regulator
- Bottom Entry with Gauge
 - 0-150kPa
 - 5/8-18 LH UNF Outlet
 - AS 2473 Type 20 Inlet
 - AS 4267 Compliant
- GRACET**



LPG REGULATOR

- Single Stage Acetylene Regulator
- Side Entry with Gauge
 - 0-150kPa
 - 5/8-18 LH UNF Outlet
 - AS 2473 Type 21 Inlet
 - AS 4267 Compliant
- GRLPG**



GAS WELDING & CUTTING

OXY/LPG HOSE SETS

Oxy/LPG Twin Hose Sets

- Oxygen Connections 5/8-18 UNF RH
- Fuel Connections 5/8-18 UNF LH

Twin Oxy/LPG Hose Set 5mtr

GCWL05

Twin Oxy/LPG Hose Set 10mtr

GCWL10

Twin Oxy/LPG Hose Set 15mtr

GCWL15

Twin Oxy/LPG Hose Set 20mtr

GCWL20



OXY/ACETYLENE HOSE SETS

Oxy/Acetylene Twin Hose Sets

- Oxygen Connections 5/8-18 UNF RH
- Fuel Connections 5/8-18 UNF LH

Twin Oxy/Acetylene Hose Set 5mtr

GCWA05

Twin Oxy/Acetylene Hose Set 10mtr

GCWA10

Twin Oxy/Acetylene Hose Set 15mtr

GCWA15

Twin Oxy/Acetylene Hose Set 20mtr

GCWA20



BULK SINGLE HOSE

Single 5mm Hose

- 100mtr Roll

5mm Oxygen Hose (Blue)

GWCAR100

5mm Inert Gas Hose (Black)

GWCAR100B



BULK TWIN HOSE

Twin 5mm Hose

- 100mtr Roll

5mm Oxygen/LPG Hose (Blue/Orange)

GWCL100

5mm Oxygen/Acetylene Hose (Blue/Red)

GWCA100



GAS WELDING & CUTTING

OXY/LPG & ACETYLENE CUTTING ATTACHMENT

Cigweld Comet 3® Type Cutting Attachment

- Suitable for Type 41 & 44 Cutting Tips
- Brass Construction
- AS 4839 Complaint
- Available in 90o or 180o Head

Standard 90o Head

GCWA

Straight 180O Head

GWCAO2



OXY/LPG & ACETYLENE HANDLE

Cigweld Comet 3® Type Blowpipe

- Suitable for Oxy/Acetylene or Oxy/LPG
- Suitable for Welding, Cutting & Heating
- Brass Construction
- AS 4839 Complaint
- 5/8-18 Connections

Blowpipe

GCWB



OXY/ACETYLENE WELDING TIP

Oxy/Acetylene Welding Tip Size 6

GW5516

Oxy/Acetylene Welding Tip Size 8

GW5518

Oxy/Acetylene Welding Tip Size 10

GW55110

Oxy/Acetylene Welding Tip Size 12

GW55112

Oxy/Acetylene Welding Tip Size 15

GW55115

Oxy/Acetylene Welding Tip Size 20

GW55120



OXY/LPG WELDING TIP

Oxy/LPG Welding Tip Size 8

GW5548

Oxy/LPG Welding Tip Size 12

GW55412

Oxy/LPG Welding Tip Size 15

GW55415

Oxy/LPG Welding Tip Size 20

GW55420



GAS WELDING & CUTTING

CUTTING TIPS

Comet 3® Type 41 Cutting Nozzles

Oxy/Acetylene Cutting Tip Size 6

GC416

Oxy/Acetylene Cutting Tip Size 8

GC418

Oxy/Acetylene Cutting Tip Size 12

GC4112

Oxy/Acetylene Cutting Tip Size 15

GC4115

Oxy/Acetylene Cutting Tip Size 20

GC4120



CUTTING TIPS

Comet 3® Type 44 Cutting Nozzles

Oxy/LPG Cutting Tip Size 6

GC446

Oxy/LPG Cutting Tip Size 8

GC448

Oxy/LPG Cutting Tip Size 12

GC4412

Oxy/LPG Cutting Tip Size 15

GC4415

Oxy/LPG Cutting Tip Size 20

GC4420



CUTTING TIPS

Kioke® Type 102 Cutting Nozzles

Oxy/Acetylene Cutting Nozzle Size 0

GC102-0

Oxy/Acetylene Cutting Nozzle Size 1

GC102-1

Oxy/Acetylene Cutting Nozzle Size 2

GC102-2

Oxy/Acetylene Cutting Nozzle Size 3

GC102-3

Oxy/Acetylene Cutting Nozzle Size 4

GC102-4



CUTTING TIPS

Kioke® Type 106 Cutting Nozzles

Oxy/LPG Cutting Nozzle Size 0

GC106-0

Oxy/LPG Cutting Nozzle Size 1

GC106-1

Oxy/LPG Cutting Nozzle Size 2

GC106-2

Oxy/LPG Cutting Nozzle Size 3

GC106-3

Oxy/LPG Cutting Nozzle Size 4

GC106-4



CUTTING TIPS

Harris® Type 6290 Cutting Nozzles

Oxy/Acetylene Cutting Nozzle Size 1

GC6290-1

Oxy/Acetylene Cutting Nozzle Size 2

GC6290-2

Oxy/Acetylene Cutting Nozzle Size 3

GC6290-3

Oxy/Acetylene Cutting Nozzle Size 4

GC6290-4

Oxy/Acetylene Cutting Nozzle Size 5

GC6290-5



CUTTING TIPS

Harris® Type 6290NX Cutting Nozzles

Oxy/LPG Cutting Nozzle Size 1

GC6290NX-1

Oxy/LPG Cutting Nozzle Size 2

GC6290NX-2

Oxy/LPG Cutting Nozzle Size 3

GC6290NX-3

Oxy/LPG Cutting Nozzle Size 4

GC6290NX-4

Oxy/LPG Cutting Nozzle Size 5

GC6290NX-5



GOUGING TIPS

Comet 3® Type 41 Gouging Nozzles

Gouging Nozzle Size 32 Bent

GCGB4132

Gouging Nozzle Size 32 Straight

GWGNA32S

Gouging Nozzle Size 48 Bent

GWGNA48



GOUGING TIPS

Comet 3® Type 44 Gouging Nozzles

Gouging Nozzle Size 32 Be

GCGB4432

Gouging Nozzle Size 32 Stra

GWGNL32S

Gouging Nozzle Size 48 Ben

GWGNL48



MB ERGO

MIG/MAG Torches

Technical Data

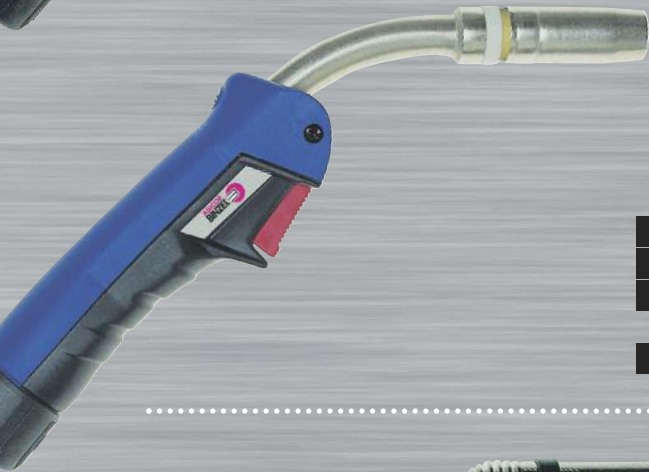
(EN 60 974-7)



MB EVO 15 AK
MIG/MAG Welding Torch

Length	Part No.
3 Metre	002.0449
4 Metre	002.0450
5 Metre	002.0451
Swan Neck	002.0009

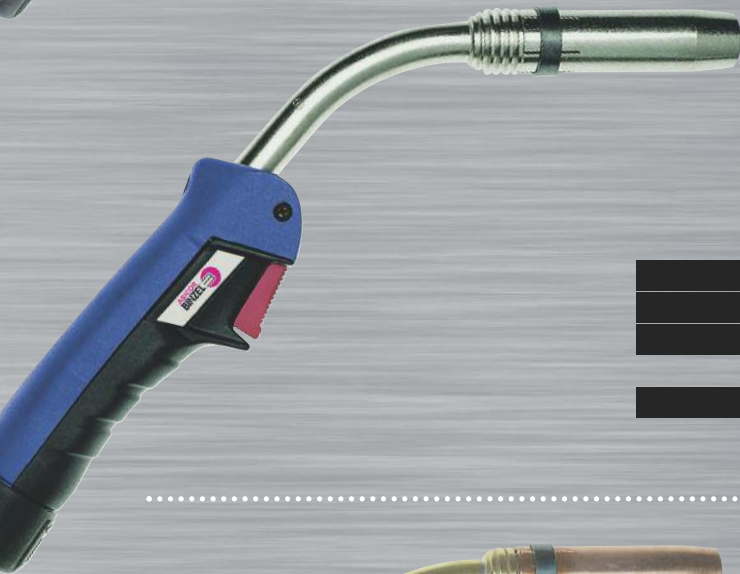
- Air Cooled**
- 150 Amp**
(Mixed Gases)
- 60%**
- 0.6-1.0mm**



MB ERGO 25
MIG/MAG Welding Torch

Length	Part No.
3 Metre	004.0312
4 Metre	004.0313
5 Metre	004.0314
Swan Neck	004.0012

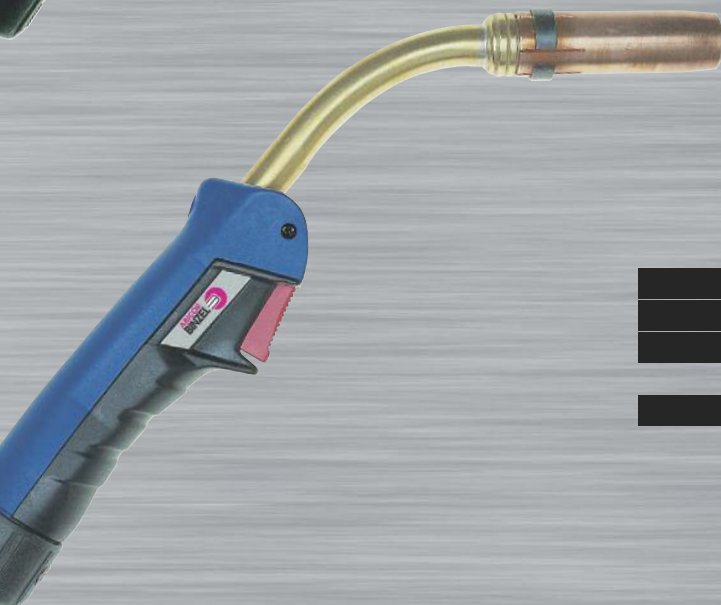
- Air Cooled**
- 200 Amp**
(Mixed Gases)
- 60%**
- 0.8-1.2mm**



MB ERGO 36
MIG/MAG Welding Torch

Length	Part No.
3 Metre	014.0143
4 Metre	014.0144
5 Metre	014.0145
Swan Neck	014.0006

- Air Cooled**
- 270 Amp**
(Mixed Gases)
- 60%**
- 0.8-1.2mm**



MB ERGO 501
MIG/MAG Welding Torch

Length	Part No.
3 Metre	034.0160
4 Metre	034.0161
5 Metre	034.0162
Swan Neck	034.0001

- Liquid Cooled**
- 450 Amp**
(Mixed Gases)
- 100%**
- 1.0-1.6mm**

MB 36 KD Setup
Standard parts include -
Gas Diffusor (014.0261)

1 2 3 4

Short Tip Adaptor
Pack size = 10

Centring Piece

M8 Contact Tip
Pack size = 10

No.	Part Number	Part No.
1		142.0082

No.	Size	Part No.
2	1.0mm	140.0343
	1.2mm	140.0475
	Centring Piece	030.0118

Gas Nozzle
Pack size = 10

No.	Part Number	Part No.
3		145.0166

Gas Nozzle Extension
Pack size = 1

No.	Part Number	Part No.
4		030.0010

MB ERGO/EVO/EVO PRO 36 & 501

Standard parts required
:Gas Diffusor (014.0261)

Standard parts required:
Gas Diffusor (030.0145)
Tip Adaptor (142.0022)

5 6 7 MB 36 Setup

6 7 MB 501 Setup

MB 36
Short Tip Adaptor
Pack size = 10

No.	Part Number	Part No.
5		142.0082

63 mm

128 mm

60 mm

∅ A

M8 Contact Tip
Heavy Duty (CuCrZr)
Pack size = 10

No.	Size	Part No.
6	1.0mm	140.1584.10
	1.2mm	140.1585.10

Gas Nozzle
Pack size = 5

No.	∅ A	Part No.
7	1.5mm	145.0707.5

Electrode Holders & Work Lead Sets

200 Amp

200 Amp
Electrode Holder

Colour	Amperage	Part No.
Black	200 Amp	512GB200



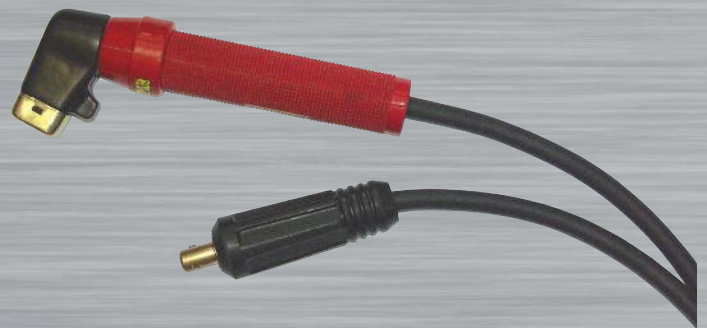
200 Amp
Work Lead Sets

Cable Size	Length	Part No.
16mm ²	3 Metre	512GB200(16)-3
16mm ²	5 Metre	512GB200(16)-5
16mm ²	10 Metre	512GB200(16)-10
25mm ²	3 Metre	512GB200(25)-3
25mm ²	5 Metre	512GB200(25)-5
25mm ²	10 Metre	512GB200(25)-10

400 Amp

400 Amp
Electrode Holder

Colour	Amperage	Part No.
Red	400 Amp	512GB400



400 Amp
Work Lead Sets

Cable Size	Length	Part No.
35mm ²	3 Metre	512GB400-3
35mm ²	5 Metre	512GB400-5
35mm ²	10 Metre	512GB400-10

600 Amp

600 Amp
Electrode Holder

Colour	Amperage	Part No.
Red	600 Amp	512GB600



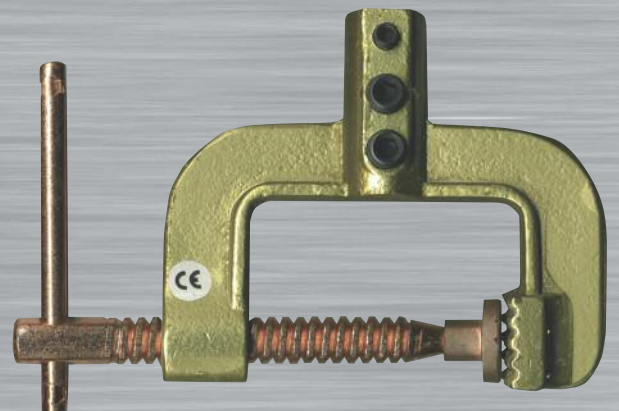
600 Amp
Work Lead Sets

Cable Size	Length	Part No.
50mm ²	3 Metre	512GB600-3
50mm ²	5 Metre	512GB600-5
50mm ²	10 Metre	512GB600-10

500 & 800 Amp

500 & 800 Amp
Extreme Duty Clamp

Amperage	Part No.
500 Amp	11.05.03500
800 Amp	11.05.03800



BLOW TORCH Handle

PART NO. 215067

TFP

FEATURES

- This Tradeflame Professional Blow Torch Handle is designed to be used with Tradeflame Professional necktubes, burners and hoses
- Offering precise flame control with a spring loaded valve it is ideal for professional brazing, soldering and heating
- Ergonomic handle



SPECIFICATIONS

WORKING PRESSURE	1-4 bar
LENGTH	180mm
HEIGHT	70mm
WIDTH	24mm
WEIGHT	245g
INLET THREAD	M14 x 1
OUTLET THREAD	3/8" BSP



BLOW TORCH Handle with Pilot Valve

PART NO. 215145

TFP

FEATURES

- This Tradeflame Professional Blow Torch Handle is designed to be used with Tradeflame Professional necktubes, burners and hoses
- Precise flame control with a spring loaded valve it is ideal for professional brazing, soldering and heating
- Double valved handle for larger burners
- Includes one main valve and one pilot valve enabling the torch to be used with a gas saving pilot flame. Use the trigger to switch between the pilot flame and main flame
- Ergonomic handle



SPECIFICATIONS

WORKING PRESSURE	1-4 bar
LENGTH	210mm
HEIGHT	70mm
WIDTH	24mm
WEIGHT	380g
INLET THREAD	M14 x 1
OUTLET THREAD	3/8" BSP



WINDPROOF Burners

TFP

FEATURES

- Designed to work in the severest of weather conditions
- Heavy duty yet lightweight burner, for use with all Tradeflame Professional necktubes
- Ideal for drying, preheating for welding, bitumen and general heating applications
- Rolled edge on end of burner



215045



215012



215001



SPECIFICATIONS

PART NO.	215045	215012	215001
CONSUMPTION @ 4 BAR	3350g/h	6700g/h	8250g/h
NET EFFECT	43.5kW	86kW	114kW
LENGTH	93mm	106mm	130mm
DIAMETER OD	35mm	50mm	60mm
DIAMETER ID	32mm	40.5mm	57mm
JET SIZE	1.05mm	1.5mm	1.7mm
INLET THREAD	M20 x 1	M20 x 1	M20 x 1
MATERIAL	Brass	Brass	Stainless steel / brass
BARCODE	9321652072948	9312652072917	9312652072900



NECKTUBES

TFP

FEATURES

- Designed to be used with all Tradeflame Professional handpieces and burners
- Made from brass



215034



215101



215112



SPECIFICATIONS

PART NO.	215112	215101	215034
LENGTH	350mm	600mm	750mm
DIAMETER OD	12mm	12mm	12mm
DIAMETER ID	8mm	8mm	8mm
OUTLET THREAD	3/8" BSP	3/8" BSP	3/8" BSP
INLET THREAD	M20 x 1	M20 x 1	M20 x 1
BARCODE	9312652080936	9312652080929	9312652072931

NECKTUBE TFP to Tradeflame Light Range

PART NO. 215278

TFP

FEATURES

- This Tradeflame Professional Necktube designed to be used with Tradeflame Professional handpiece for connection to Tradeflame Handyman Burners (see p.40/41)
- Made from brass



SPECIFICATIONS

LENGTH	78mm
DIAMETER OD	12mm
DIAMETER ID	8mm
OUTLET THREAD	M8
INLET THREAD	M20 X 1



NECKTUBE 180mm

PART NO. 215023

TFP

FEATURES

- Designed to be used with all Tradeflame Professional handpieces and burners
- Made from brass



SPECIFICATIONS

LENGTH	180mm
DIAMETER OD	12mm
DIAMETER ID	8mm
OUTLET THREAD	3/8" BSP
INLET THREAD	M20 x 1



CYCLONE Burner 25mm

PART NO. 215134

TFP

FEATURES

- This 25mm Cyclone Flame Burner is for use with all Tradeflame Professional handles and soft soldering and brazing of pipes
- Ideal for brazing, soldering and heating
- Made from brass and steel
- Soft soldering max. pipe OD: 70mm
- Brazing max. pipe OD: 32mm



SPECIFICATIONS

CONSUMPTION @ 2 BAR	800g/h
NET EFFECT	10kW
LENGTH	230mm
DIAMETER OD	25mm
DIAMETER ID	23mm
JET SIZE	0.56mm
INLET THREAD	3/8" BSP



SOFT FLAME Burner 38mm

PART NO. 215123

TFP

FEATURES

- This 38mm Soft Flame Burner is for use with all TradeFlame Professional handles for jobs requiring a soft flame
- Ideal for heating, cable work and heat shrinking
- Made from brass and steel
- Soft flame burner



SPECIFICATIONS

CONSUMPTION @ 2 BAR	1200g/h
NET EFFECT	15kW
LENGTH	180mm
DIAMETER OD	38mm
DIAMETER ID	36mm
JET SIZE	0.81mm
INLET THREAD	3/8" BSP



REGULATOR Variable (POL)

PART NO. 215054

TFP

FEATURES

- This TradeFlame Professional Regulator Variable has an adjustable control valve allowing settings from 1-4 bar
- It has been designed to be used with other parts in the TradeFlame Professional range and connects directly to TFP hoses
- Adjustable control valve
- Made from high quality brass
- POL connection



SPECIFICATIONS

WORKING PRESSURE	1-4 bar
MAX. CAPACITY	5-20kg/h
LENGTH	99.5mm
HEIGHT	69mm
WIDTH	36mm
INLET THREAD	POL
OUTLET THREAD	3/8" BSP



REGULATOR Fixed (POL)

PART NO. 215267

TFP

FEATURES

- This TradeFlame Professional Regulator has a fixed pressure of 2 bar
- It has been designed to be used with other parts in the TradeFlame Professional range and connects directly to TFP hoses
- Made from high quality brass
- POL connection



SPECIFICATIONS

WORKING PRESSURE	2 bar
MAX. CAPACITY	6kg/h
LENGTH	99.5mm
HEIGHT	69mm
WIDTH	36mm
INLET THREAD	POL
OUTLET THREAD	3/8" BSP



POL to 3/8"

PART NO. POL21

- High quality brass adaptor
- Thread (in): POL male
- Thread (out): 3/8" BSP LH male



POL to 3/8"

PART NO. POL21R

- High quality brass adaptor
- Thread (in): POL male
- Thread (out): 3/8" BSP LH male



POL to 1/4"

PART NO. POL23

- High quality brass adaptor
- Thread (in): POL male
- Thread (out): 1/4" BSP male



COMPANION to SIEVERT

PART NO. BB55404

- High quality brass adaptor
- Thread (in): POL male
- Thread (out): 3/8" BSP LH male



1/8" to M20 X 1MM

PART NO. BB55679

- High quality brass adaptor
- Thread (in): 1/8" BSP male
- Thread (out): M20 x 1mm male



1/8" to M14 X 1MM

PART NO. BB55616

- High quality brass adaptor
- Thread (in): 1/8" BSP female
- Thread (out): M14 x 1mm male



Burners

Each Tradeflame burner is designed to perform at different levels of heat and intensity, allowing you to select the right flame for your type of work.

Our range covers everything from ultra pinpoint burners for precision jewellery work, right through to full flame torches capable of smelting light metals.

When combined with our bent stem with control valve, our burners will deliver the flame size, heat and performance to suit your individual jobs.

All burners are made from high quality brass and 100% quality tested during manufacture so ensure performance and reliability.



ULTRA PINPOINT Flame Burner

PART NO. BJ8842

RP

FEATURES

- High quality brass and steel fitting
- Designed for use with propane LP Gas for fine precision soldering and heating, this is the finest flame burner in the range
- Ideal use soft joints, soft soldering, glazing, enamelling, jewellery and laboratory work
- Tradeflame burners connect to the Bent Stem Control Valve; Part No. BK8716



SPECIFICATIONS

SIZE	Ø9mm
CONSUMPTION	25g/h
FLAME LENGTH	100mm
EFFECT	0.25kW
REPLACEMENT NIPPLE	Part No. PCS8631



PINPOINT Flame Burner

PART NO. BJ8720

RP

FEATURES

- High quality brass fitting
- Designed for use with propane LP Gas for fine soldering, brazing and heating
- Ideal use small tubing, soft soldering, glazing, enamelling, jewellery and laboratory work, aluminium brazing and small heating applications
- Tradeflame burners connect to the Bent Stem Control Valve; Part No. BK8716
- Use with Copper Bit & Holder; Part No. BK8843



SPECIFICATIONS

SIZE	Ø12.5mm
CONSUMPTION	60g/h
FLAME LENGTH	120mm
EFFECT	0.75kW
REPLACEMENT NIPPLE	Part No. PCS8619



MEDIUM FLAME Burner

PART NO. BJ8719

RP

FEATURES

- High quality brass fitting
- Designed for use with propane LP Gas for medium soldering, brazing and heating
- Ideal use small joints, soft soldering, glazing, enamelling, jewellery, bending and tempering pipes, aluminium brazing, smelting light metals, freezing seized points, bolts and small forging work
- Trade flame burners connect to the Bent Stem Control Valve; Part No. BK8716
- Use with Fantail Attachment; Part No. BJ8724



SPECIFICATIONS

SIZE	Ø14mm
CONSUMPTION	160g/h
FLAME LENGTH	160mm
EFFECT	2.0kW
REPLACEMENT NIPPLE	Part No. PCS8624



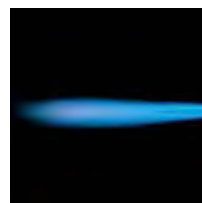
FULL FLAME Burner

PART NO. BJ8725

RP

FEATURES

- High quality brass fitting
- Designed for use with propane LP Gas for large soldering, brazing and heating
- Ideal use stripping paint, bending and tempering pipes, floor tiling, smelting light metals, freezing seized joints, bolts and small forging work
- Trade flame burners connect to the Bent Stem Control Valve; Part No. BK8716



SPECIFICATIONS

SIZE	Ø22mm
CONSUMPTION	460g/h
FLAME LENGTH	250mm
EFFECT	7.0kW
REPLACEMENT NIPPLE	Part No. PCS8625



FANTAIL FLAME Attachment

PART NO. BJ8724

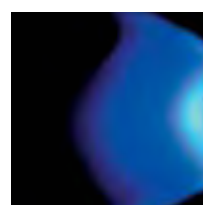
RP

FEATURES

- High quality steel fitting
- Designed for use with propane LP Gas and ideal for paint stripping and flooring applications
- Use in conjunction with Medium Flame Burner; Part No. BJ8719 (sold separately)
- Use with Medium Burner; Part No. BJ8719



(sold separately)



SPECIFICATIONS

SIZE	Ø14mm
CONSUMPTION	160g/h
FLAME WIDTH	50mm
EFFECT	2.0kW



PINPOINT Torch

PART NO. BJ2144

RP

FEATURES

- High quality brass fitting
- Ideal use small tubing, soft soldering, glazing, enamelling, jewellery and laboratory work, aluminium brazing and small heating applications
- This torch is a combination of Burner; Part No. BJ8720 and Bent Stem Control Valve; Part No. BK8716
- Use with Copper Bit & Holder; Part No. BK8843
- Spares for the Thread O-ring; Part No. PCS8306 and Flat Washer; Part No. PCS8303



SPECIFICATIONS

SIZE	Ø12.5mm
GAS	Propane
CONSUMPTION	60g/h
FLAME LENGTH	120mm
EFFECT	0.75kW
REPLACEMENT NIPPLE	Part No. PCS8619



MEDIUM Torch

PART NO. BJ2145

RP

FEATURES

- High quality brass fitting
- Ideal use small joints, soft soldering, glazing, enamelling, jewellery, bending and tempering pipes, aluminium brazing, smelting light metals, freeing seized joints and bolts and small forging work
- This torch is a combination of Burner; Part No. BJ8719 and Bent Stem Control Valve; Part No. BK8716
- Use with Fantail attachment; Part No. BJ8724
- Spares for the Thread O-ring; Part No. PCS8306 and Flat Washer; Part No. PCS8303



SPECIFICATIONS

SIZE	Ø14mm
GAS	Propane
CONSUMPTION	160 g/h
FLAME LENGTH	160 mm
EFFECT	2.0 kW
REPLACEMENT NIPPLE	Part No. PCS8624



FULL FLAME Torch

PART NO. BJ2146

RP

FEATURES

- High quality brass fitting
- Ideal use stripping paint, bending and tempering pipes, floor tiling, smelting light metals, freeing seized joints and bolts and small forging work
- This torch is a combination of Burner; Part No. BJ8725 and Bent Stem Control Valve; Part No. BK8716
- Spares for the Thread O-ring; Part No. PCS8306 and Flat Washer; Part No. PCS8303



SPECIFICATIONS

SIZE	Ø22mm
GAS	Propane
CONSUMPTION	460g/h
FLAME LENGTH	250mm
EFFECT	7.0kW
REPLACEMENT NIPPLE	Part No. PCS8625



HANDPIECE

PART NO. BK2119

RP

FEATURES

- Ideal for use where a hose and torch combination are required
- High quality brass with plastic grip handle
- Designed for use with propane LP Gas for soldering, brazing and heating
- Length: 165mm
- Thread (in): 1/4" BSP male
- Thread (out): Primus female
- Suits hoses; Part No. BK8179 or Part No. BK8740
- Suits valve; Part No. BK8716



CONNECTING Valve Bent Stem

PART NO. BK8716

RP

FEATURES

- High quality brass fitting
- Adjustable On/Off and variable control valve
- Thread (out): M8 x 1mm male
- Thread (in): Primus male



SOLDERING BIT & Holder

PART NO. BK8843

RP

FEATURES

- High quality copper bit double sided for small to medium soldering jobs
- Use with Pinpoint Burner; Part No. 8720



PROPANE 400g

PART NO. 326438

FEATURES

- Disposable propane 400g cartridge with BOM fitting
- Suits all torches designed for propane cartridges
- Burns at 1900°C / 3450°F



	PACK QTY
9 312652 055811	6

PROPANE 400g

PART NO. PRI2000D

FEATURES

- Disposable propane 400g cartridge with Primus internal fitting.
- Suits all TradeFlame Handyman original series burners and neck tube: BK8716, BK2138, BJ2144, BJ2145, BJ2146, BJ2100.
- Burns at 1900°C / 3450°F



	PACK QTY
9 312652 089564	6

TF/ULTRA GAS™ 400g

PART NO. 326439

FEATURES

- TF/ULTRA GAS disposable cartridge is a Performance Gas - MAPP® replacement. TF/ULTRA GAS is a stable, high energy fuel, offering excellent performance for heating, brazing and soldering
- Compatible with all TradeFlame BOM torches designed to be used with TF/ULTRA GAS Performance Gas - MAPP® replacement



	PACK QTY
9 312652 055804	6

REFILLABLE Propane Cylinder

PART NO. PRI2000

FEATURES

- Primus traditional system offering internal self closing connections
- RH thread for ease and simple connections with no tools required
- Complies with AS2468-2005
- Burns at 1900°C / 3450°F
- Get spares for the Main Valve; Part No. PCS8329 and Safety Valve; Part No. PCS8311



	PACK QTY
7 314522 000329	1

DISPOSABLE TF/Ultra Gas™ 400g x 3

PART NO. 326439PK

FEATURES

- TF/ULTRA GAS disposable cartridge is a Performance Gas - MAPP® replacement. TF/ULTRA GAS is a stable, high energy fuel, offering excellent performance for heating, brazing and soldering
- Compatible with all TradeFlame BOM torches designed to be used with TF/ULTRA GAS Performance Gas - MAPP® replacement



	PACK QTY
9 312652 080813	2



REGULATOR LPG 400kPa

PART NO. 228034



The Tradeflame LPG Regulator is designed to offer excellent quality and performance for use in workshop and trade applications.

FEATURES

- Ideal for the tradesman, contractor and handyman
- Conforms to AS4267
- Accurate pressure gauges
- Colour coded for easy gas identification



SPECIFICATIONS

MAX. INLET PRESSURE	N/A
MAX. OUTLET PRESSURE	400kPa
RATED AIR FLOW	230l/m
INLET GAUGE	N/A
OUTLET GAUGE	600kPa
THREAD INLET	AS2473 Type 21 – CGA 510 (0.885" – 14 NGO LH Ext)
THREAD OUTLET	5/8" – 18 UNF LH Ext



REGULATOR Oxygen 800kPa

PART NO. 228045



The Tradeflame Oxygen Regulator is designed to offer excellent quality and performance for use in workshop and trade applications.

FEATURES

- Ideal for the tradesman, contractor and handyman
- Conforms to AS4267
- Accurate pressure gauges
- Colour coded for easy gas identification



SPECIFICATIONS

MAX. INLET PRESSURE	20000kPa
MAX. OUTLET PRESSURE	800kPa
RATED AIR FLOW	310l/m
INLET GAUGE	30000kPa
OUTLET GAUGE	1600kPa
THREAD INLET	AS2473 Type 10 – 5/8" BSP RH Ext
THREAD OUTLET	5/8" – 18 UNF RH Ext



REGULATOR Acetylene 150kPa

PART NO. 228056



The Tradeflame Acetylene Regulator is designed to offer excellent quality and performance for use in workshop and trade applications.

FEATURES

- Ideal for the tradesman, contractor and handyman
- Conforms to AS4267
- Accurate pressure gauges
- Colour coded for easy gas identification



SPECIFICATIONS

MAX. INLET PRESSURE	2500kPa
MAX. OUTLET PRESSURE	150kPa
RATED AIR FLOW	100l/m
INLET GAUGE	4000kPa
OUTLET GAUGE	300kPa
THREAD INLET	AS2473 Type 20 – 5/8" BSP LH Ext
THREAD OUTLET	5/8" – 18 UNF LH Ext



FLASHBACK ARRESTOR OXYGEN Regulator End

PART NO. 228256



The Tradeflame Flashback arrestor is designed for medium flow applications and connection to the regulator end of the oxygen line.

FEATURES

- Non-return valve
- Cylindrical stainless steel flame arrestor
- Inlet filter
- Conforms to AS4603, EN730-1



SPECIFICATIONS

GAS TYPE	Oxygen
CONNECTIONS	5/8" – 18UNF RH thread
CONNECTS TO	Regulator inlet
PRESSURE RATING	1000kPa
MAX. AIR FLOW	1133l/min



Certified and under surveillance

FLASHBACK ARRESTOR FUEL Blowpipe End

PART NO. 228178



The Tradeflame Flashback Arrestor is designed for medium flow applications and connection to the blowpipe end of the fuel line.

FEATURES

- Non-return valve
- Cylindrical stainless steel flame arrestor
- Inlet filter
- Conforms to AS4603, EN730-1



SPECIFICATIONS

GAS TYPE	Fuel
CONNECTIONS	5/8" – 18UNF LH thread
CONNECTS TO	Blowpipe inlet
PRESSURE RATING	LPG 500kPa
PRESSURE RATING	Acetylene 150kPa
PRESSURE RATING	Hydrogen 400kPa
MAX. AIR FLOW	463l/m (148l/m acetylene)



Certified and under surveillance

FLASHBACK ARRESTOR FUEL Regulator End

PART NO. 228245



The Tradeflame Flashback Arrestor is designed for medium flow applications and connection to the regulator end of the fuel line.

FEATURES

- Non-return valve
- Cylindrical stainless steel flame arrestor
- Temperature activated cut-off valve
- Inlet filter
- Conforms to AS4603, EN730-1



SPECIFICATIONS

GAS TYPE	Fuel
CONNECTIONS	5/8" – 18UNF LH thread
CONNECTS TO	Regulator inlet
PRESSURE RATING	LPG 500kPa
PRESSURE RATING	Acetylene 150kPa
PRESSURE RATING	Hydrogen 400kPa
MAX. AIR FLOW	533l/m (187l/m acetylene)



Certified and under surveillance

BLOWPIPE Handle

PART NO. 228389



The Tradeflame Blowpipe Handle is designed to use across both OXY/ACET and OXY/LPG applications. A versatile tool that can be used for welding, brazing, cutting and heating. Ideal for the tradesman, contractor and handyman.

FEATURES

- Attaches to a variety of welding, heating, brazing and cutting tips easily
- Locking teeth provide secure positioning
- Solid brass construction
- On/Off control valves



SPECIFICATIONS

MATERIAL	Brass
WEIGHT	0.55kg
INLET THREAD	Oxygen (blue) 5/8" UNF RH
INLET THREAD	Fuel (red) 5/8" UNF LH
SUITABLE FOR	41 & 44 cutting nozzles
SUITABLE FOR	551 & 554 welding tips
SUITABLE FOR	550 mixer
USE WITH	OXY/ACET or OXY LPG (requires different regulators & hose for each combination of gases)



BLOWPIPE Cutting Attachment

PART NO. 228401



The Tradeflame Blowpipe Cutting Attachment is designed to use across both OXY/ACET and OXY/LPG applications. A versatile tool that can be used for cutting with various sized tips available. Ideal for the tradesman, contractor and handyman.

FEATURES

- Attaches quickly and easily to the Tradeflame Blowpipe Handle
- Suitable for type 41 & 44 cutting nozzles
- Brass and steel construction



SPECIFICATIONS

MATERIAL	Brass & Steel
WEIGHT	0.64kg
SUITABLE FOR	41 & 44 Cutting Nozzles
USE WITH	OXY/ACET or OXY LPG (requires different regulators & hose for each combination of gases)



MIXER BLOWPIPE ATTACHMENT

PART NO. 228267



The Tradeflame mixer suits the Tradeflame Blowpipe for attaching the welding tips. It is designed for easy hand tightening.

FEATURES

- Large flutes on the mixer allow for positive handling, even when wearing gloves
- Hand tightening allows for easy attachment to the blowpipe
- High resistance to back fire across both fuel types



SPECIFICATIONS

GAS TYPE	OXY/LPG or OXY/ACET
TYPE	550 - 10mm (3/8")



WELDING TIPS



The Tradeflame Gas Welding Tip is used for fine gauge welding applications. Used in conjunction with the welding mixer for use with Oxygen/Acetylene welding.

FEATURES

- Welding tip made from copper and fits industry standard 10mm mixer



SPECIFICATIONS								
PART NO.	228089	228101	228112	228123	228134	228489	228145	228156
TIP SIZE	4	6	8	10	12	15	8	15
TIP TYPE	551	551	551	551	551	551	554	554
USE FOR	Steel 0.9mm thick	Steel 1.2mm thick	Steel 2.0mm thick	Steel 2.6mm thick	Steel 3.0 - 4.0mm thick	Steel 5.0-6.5mm thick	Steel 2.0mm thick	Steel 5.0 - 6.5mm thick
PRESSURE	Oxygen 50kPa, Acetylene 50kPa	Oxygen 50kPa, Acetylene 50kPa	Oxygen 50kPa, Acetylene 50kPa	Oxygen 50kPa, Acetylene 50kPa	Oxygen 50kPa, Acetylene 50kPa	Oxygen 50kPa, Acetylene 50kPa	Oxygen 50kPa, LPG 50kPa	Oxygen 50kPa, LPG 50kPa
GAS CONSUMPTION	Oxygen 1.5l/min, Acetylene 1.5l/min	Oxygen 1.5l/min, Acetylene 1.5l/min	Oxygen 2.0l/min, Acetylene 2.0l/min	Oxygen 3.0l/min, Acetylene 3.0l/min	Oxygen 4.0l/min, Acetylene 4.0l/min	Oxygen 6.5l/min, Acetylene 6.5l/min	Oxygen 2.0l/min, LPG 2.0l/min	Oxygen 6.5l/min, LPG 6.5l/min
BARCODE	9312652090874	9312652090881	9312652090898	9312652090904	9312652090911	9312652091345	9312652090928	9312652090935

CUTTING NOZZLES



The Tradeflame Cutting Nozzle is used in conjunction with the Tradeflame cutting attachment.

FEATURES

- Made from copper
- Designed to interchange easily with cutting attachment



228289



228323



SPECIFICATIONS								
PART NO.	228278	228289	228301	228501	228312	228323	228334	228512
TIP SIZE	6	8	12	15	6	8	12	15
TIP TYPE	41	41	41	41	44	44	44	44
CUTTING THICKNESS	1-6mm	6-10mm	12-20mm	25-75mm	3-6mm	6-12mm	12-20mm	25-75mm
FUEL GAS FLOW @ 100KPA	21l/min	3.5l/min	4l/min	7l/min	2l/min	3.5l/min	4.5l/min	5.5l/min
OXYGEN FLOW @ 200KPA	11l/min	20l/min	38l/min	17l/min	17l/min	30l/min	58l/min	99l/min
BARCODE	9312652091048	9312652091055	9312652091062	9312652091352	9312652091079	9312652091086	9312652091093	9312652091369

HEATING TIP Size 8 x 12HT OXY/ACET

PART NO. 228223



The Tradeflame Gas Heating Tip is designed to deliver constant high heat with the mixture of oxygen and acetylene.

FEATURES

- Oxygen/Acetylene mix delivers concentrated high temperature heat
- Heavy duty copper construction
- Compact simple design for ease of cleaning
- Heating tip fits industry standard 10mm gas mixer



SPECIFICATIONS

TIP SIZE	8 x 12HT
PRESSURE OXYGEN	150kPa
PRESSURE ACETYLENE	100kPa
GAS CONSUMPTION	Oxygen 45-58l/min, Acetylene 41-55l/min
HEAT OUTPUT	180Mj/Hr



HEATING TIP Size 20 x 9HT OXY/LPG

PART NO. 228234



The Tradeflame Gas Welding Tip is designed to deliver constant high heat with the mixture of oxygen and LPG.

FEATURES

- Oxygen/LPG mix delivers concentrated high temperature heat
- Heavy duty copper construction
- Compact simple design for ease of cleaning
- Connects directly to the cutting attachment



SPECIFICATIONS

TIP SIZE	20 x 9HT
PRESSURE OXYGEN	500kPa
PRESSURE ACETYLENE	100kPa
GAS CONSUMPTION	Oxygen 48l/min, LPG 12l/min
HEAT OUTPUT	40Mj/Hr



HOSE JOINER Suits 5mm ID Hose Screw Fitting

PART NO. 228189



The Tradeflame Hose Joiner is used where a break in either the gas or oxygen hose occurs.

FEATURES

- Solid brass construction



SPECIFICATIONS

USE WITH	5mm ID hose
MATERIAL	Brass
WEIGHT	0.1kg



HOSE REGULATOR CONNECTION KIT Suits 5mm ID Oxygen Hose

PART NO. 228201



The Tradeflame Hose/Regulator Kit is designed to connect oxygen hose to the oxygen regulator in oxygen/acetylene or LPG welding equipment.

FEATURES

- Solid brass construction



SPECIFICATIONS

USE WITH	5mm ID oxygen hose
MATERIAL	Brass
WEIGHT	0.1kg
THREAD	5/8" – 18 UNF RH thread to screw directly onto oxygen regulator



HOSE REGULATOR CONNECTION KIT Suits 5mm ID Acetylene or LPG Hose

PART NO. 228212



The Tradeflame Hose Regulator Kit is designed to connect acetylene or LPG hose to the acetylene or LPG regulator in oxygen/acetylene or LPG welding equipment.

FEATURES

- Solid brass construction



SPECIFICATIONS

USE WITH	5mm ID oxygen hose
MATERIAL	Brass
WEIGHT	0.1kg
THREAD	5/8" – 18 UNF LH thread to screw directly onto acetylene or LPG regulator



CLAMPS

Steel Ground Clamp



- Copper strap

Part No	Description
GD300	Ground clamp 300 amps

Steel Ground Clamp



- Copper strap

Part No	Description
GD500	Ground clamp 500 amps

Earth Clamp



- Direct cable connect
- With copper strap

Part No	Description
AFGD500DC	Earth clamp 500 amp

Brass Euro Clamp



- With copper strap

Part No	Description
AFEBC	Euro brass clamp 500 amp

Brass Earth Clamp



- Without copper strap

Part No	Description
ECGM20	Earth clamp 200 amp

Brass Heavy Duty Clamp



- Copper plated steel spindle
- Direct cable connection
- 82 mm / 56 mm opening

Part No	Description
AFG700L	Heavy duty clamp 600 amp

Earth Clamp



- Brass / Steel
- G type DC connection
- 38 mm / 52 mm

Part No	Description
AFG500S	Earth clamp 500 amp

Steel Earth Clamp



- Direct connection
- 40 mm / 22 mm

Part No	Description
ECDN40	Earth clamp 400 amp

Ground Clamp Magnetic



- Steel / Brass stud 12 mm
- 400 amps @ 60%

Part No	Description
AFMAG400	Ground clamp 400 amp

Rotary Ground Clamp Magnetic



- Brass / Steel
- Dual rotary feature prevents cable tangling

Part No	Description
AFMGR500	Rotary clamp 500 amp

Earth Clamp



- Brass / Steel
- Screw type

Part No	Description
EG600	Earth clamp 600 amp