

UNI MIG

WELDING HELMETS



RANGE OVERVIEW

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SERIES OVERVIEW



FEATURE	<i>ORIGIN</i>	<i>CORE</i>	<i>IMPACT</i>	<i>TRADE</i>	<i>PROFESSIONAL</i>
<i>ELITEVISION.</i>	✓	✓	✓	✓	✓
👁️ Optical Clarity	1/1/1/2	1/1/1/2	1/1/1/1	1/1/1/1	1/1/1/1
🔧 Shade Control	Manual	Manual	Manual	Manual	Auto
☀️ 3.0 Light State			✓		✓
🌀 4 Point Harness		✓	✓	✓	✓
🔋 Backup Battery		✓	✓	✓	✓
⚡ Arc Sensors	2	4	4	4	5
🔘 External Grind Button	✓	✓	✓	✓	✓
📏 View Size	92 x 41mm	98 x 48mm	98 x 62mm	100 x 83.4mm	102.5 x 102.5mm

ALL HELMETS ARE FITTED WITH ELITEVISION LENS
TECHNOLOGY AND ARE SUITABLE FOR

MIG **TIG** **STICK** **PLASMA** **GRINDING**

REGULAR LENS

ELITEVISION™

LENS TECHNOLOGY

LIMITED COLOUR SPECTRUM



FULL COLOUR SPECTRUM



THE *IMPACT*, *TRADE* & *PROFESSIONAL* SERIES HELMETS HAVE THE HIGHEST OPTICAL CLARITY RATING OF 1/1/1/1

1 / 1 / 1 / 1



Optical Clarity

The optical class determines how distorted the image is through the lens. The image should be clear and crisp to obtain a 1 rating.



Diffusion of Light

The diffusion of light class determines if there are impurities in the lens from the manufacturing process. These impurities make the lens unclear and hard to see out of, like fingerprints or scratches. The lens should be uniform and clear to obtain a 1 rating.



Shade Consistency

The variations in luminous transmittance class determines how good the lens's adjustable shade function is. Once a shade has been selected, how consistent is it across the lens? There should be no areas that are too bright or too dark, as this affects the optical clarity. An even shade across the entire lens is needed to obtain a 1 rating.



Angle Consistency

The angle dependence on luminous transmittance class determines the consistency of the shades across the lens at an angle. There should be a clear view with no stretching, dark areas, blurriness, or problems when looking at an angle. It should look the same downwards or upwards as it does straight through to obtain a 1 rating.

ORIGIN SERIES



BLACK U21033

2 YEAR
WARRANTY

92 x 41mm View Size

Get clear visibility in every situation. The 92x41mm viewing area lets you see every weld with complete clarity.

External Grind Button

Seamlessly switch to grind mode with the twist of a knob. No need to take the helmet off and on.

2 Arc Sensors

Detect every arc instantly. The two optimally positioned arc sensors trigger the lens, darkening it and keeping your eyes shielded from the start.

9-13 Shade Control

Keep your eyes protected no matter the weld type. With a 9 to 13 shade range, you'll be covered while MIG, TIG or STICK welding, even when running as high as 500A.

ELITEVISION[™] Lens Technology

See your weld clearly in true colour. EliteVision technology allows more colours from the spectrum to pass through the view, giving you better optical clarity and reducing eye fatigue.

1:1 Scale

110mm x 90mm



Specifications

Filter Dimensions	110x90x9mm	UV/IR Protection	DIN15	Operating Temperature	-5°C to 65°C
View Size	92x41mm	Time from Light to Dark	0.3ms	Storage Temperature	-20°C to 85°C
Arc Sensors	2	Time from Dark to Light	0.1-0.8s	Shade Control	Yes
Classification	1/1/1/2	Sensitivity Delay	Adjustable	Grind Mode	Yes (External)
Light State	4	Power Supply	Solar Cells	Minimum TIG Amperage	15A
Dark State	9-13	Warranty	2 Years	Standards	AS/NZS 1337.1 B (High Impact) AS/NZS 1338.1 (Auto-Darkening)

CORE SERIES

BLACK

U21031



REVENANT

U21032



**3 YEAR
WARRANTY**

98 x 48mm View Size

Get clear visibility in every situation. The 98x48mm viewing area lets you see every weld with complete clarity.

External Grind Button

Seamlessly switch to grind mode with the click of a button. When the helmet is in grind mode a small LED will illuminate, so you don't need to take the helmet off to check.

4 Point Harness

Get the perfect fit and stay comfortable for hours. Adjust all 4 points of contact to suit you, and have the weight spread more evenly, minimising neck strain.

Backup Battery

A CR2450 backup battery improves the performance and reliability of the auto-darkening filter.

9-13 Shade Control

Keep your eyes protected no matter the weld type. With a 9 to 13 shade range, you'll be covered while MIG, TIG or STICK welding, even when running as high as 500A.

4 Arc Sensors

Detect every arc instantly. The four optimally positioned arc sensors trigger the lens, darkening it and keeping your eyes shielded from the start, even when you're out of position.

ELITEVISION. Lens Technology

See your weld clearly in true colour. EliteVision technology allows more colours from the spectrum to pass through the view, giving you better optical clarity and reducing eye fatigue.

IMPACT SERIES



CHAOS U21034

3 YEAR
WARRANTY

98 x 62mm View Size

Get clear visibility in every situation. The 98x62mm viewing area lets you see every weld with complete clarity.

1/1/1 Classification

Superior optical clarity with a 1/1/1 classification. Get an Auto-Darkening Filter (ADF) that's scored top marks across the board for a crystal-clear view of your weld at every angle.

4 Point Harness

Get the perfect fit and stay comfortable for hours. Adjust all 4 points of contact to suit you, and have the weight spread more evenly, minimising neck strain.

Backup Battery

Dual CR2032 backup batteries improve the performance and reliability of the auto-darkening filter.

External Grind Button

Seamlessly switch to grind mode with the click of a button. When the helmet is in grind mode a small LED will illuminate, so you don't need to take the helmet off to check.

4 Arc Sensors

Detect every arc instantly. The four optimally positioned arc sensors trigger the lens, darkening it and keeping your eyes shielded from the start, even when you're out of position.

ELITEVISION. Lens Technology

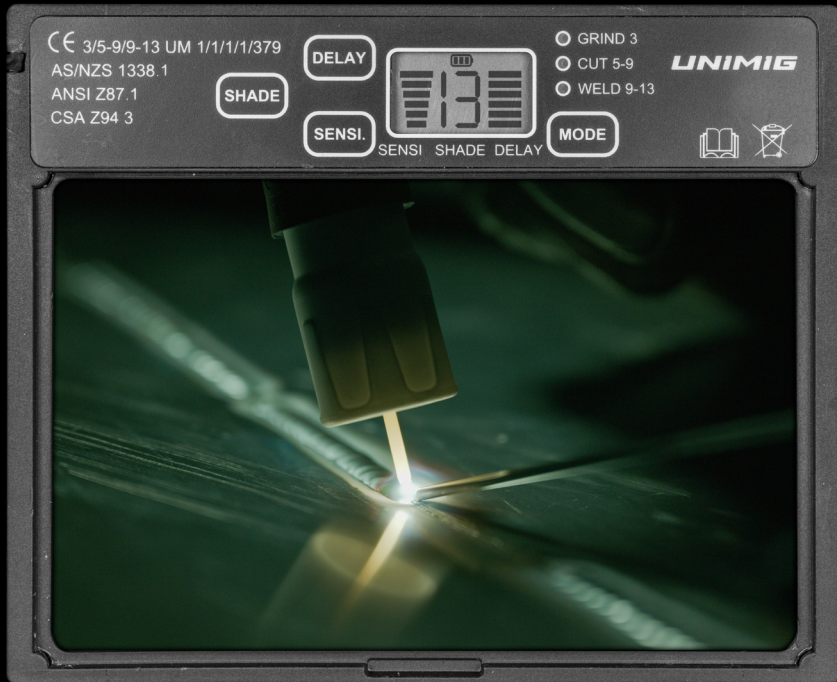
See your weld clearly in true colour. EliteVision technology allows more colours from the spectrum to pass through the view, giving you better optical clarity and reducing eye fatigue.

3.0 Light State

Get a clear view before and after the weld, as well as during. With a 3.0 light state, you'll be able to see your workpiece as well with the helmet on as with it off.

1:1 Scale

110mm x 90mm



Specifications

Filter Dimensions	110x90x9mm	UV/IR Protection	DIN15	Operating Temperature	-5°C to 65°C
View Size	98x62mm	Time from Light to Dark	0.08ms	Storage Temperature	-20°C to 65°C
Arc Sensors	4	Time from Dark to Light	0.2-1.1s	Shade Control	Yes (Internal)
Classification	1/1/1/1	Sensitivity Delay	Adjustable	Grind Mode	Yes (External)
Light State	3	Power Supply	Solar Cells & 2 x CR2032 Replaceable Batteries	Minimum TIG Amperage	5A
Dark State	5-13	Warranty	3 Years	Standards	AS/NZS 1337.1 B (High Impact) AS/NZS 1338.1 (Auto-Darkening)

TRADE SERIES

CARNAGE

U21021



BLACK **U21020**



DRAGON

U21027

3 YEAR WARRANTY

100 x 83.4mm View Size

Superior visibility in every situation. The 100x83.4mm viewing area lets you see every weld with complete clarity.

Memory States

Store up to three of your most frequently used shade settings with the memory state buttons and have your helmet ready to go in an instant.

Backup Battery

A CR2450 backup battery improves the performance and reliability of the auto-darkening filter.

4 Point Harness

Get the perfect fit and stay comfortable for hours. Adjust all 4 points of contact to suit you, and have the weight spread more evenly, minimising neck strain.

External Grind Button

Seamlessly switch to grind mode with the click of a button. When the helmet is in grind mode a small LED will illuminate, so you don't need to take the helmet off to check.

1/1/1 Classification

Superior optical clarity with a 1/1/1 classification. Get an auto-darkening filter (ADF) that's scored top marks across the board for a crystal-clear view of your weld at every angle.

4 Arc Sensors

Detect every arc instantly. The four optimally positioned arc sensors trigger the lens, darkening it and keeping your eyes shielded from the start, even when you're out of position.

1:1 Scale

114mm x 133mm



Specifications

Filter Dimensions	114x133x9.5mm	UV/IR Protection	DIN15	Operating Temperature	-10°C to 65°C
View Size	100x83.4mm	Time from Light to Dark	0.04ms	Storage Temperature	-20°C to 85°C
Arc Sensors	4	Time from Dark to Light	0.1-0.9s	Shade Control	Yes
Classification	1/1/1/1	Sensitivity Delay	Adjustable (1-5 for low-high)	Grind Mode	Yes (External)
Light State	4	Power Supply	Solar Cells & CR2450 Replaceable Battery	Minimum TIG Amperage	3A
Dark State	5-13	Warranty	3 Years	Standards	AS/NZS 1337.1 B (High Impact) AS/NZS 1338.1 (Auto-Darkening)

PROFESSIONAL SERIES

SAMURAI

U21019



BLACK U21015



DEMON

U21018



3 YEAR WARRANTY

👁️ 1/1/1 Classification

Superior optical clarity with a 1/1/1 classification. Get an auto-darkening filter (ADF) that's scored top marks across the board for a crystal-clear view of your weld at every angle.

🔧 Auto Shade Select

Take the guesswork out of your protection. The auto shade select technology instantly detects the arc and decides what shade you need to keep your eyes safe for every kind of welding.

📏 102.5 x 102.5mm View Size

Unmatched visibility in every situation. The 102.5x102.5mm viewing area lets you see every weld with complete clarity.

☀️ 3.0 Light State

Get a clear view before and after the weld, as well as during. With a 3.0 light state, you'll be able to see your workpiece as well with the helmet on as with it off.

🔘 External Grind Button

Seamlessly switch to grind mode with the click of a button. When the helmet is in grind mode a small LED will illuminate, so you don't need to take the helmet off to check.

🌟 Advanced Sensor System

Detect every arc instantly. The four optimally positioned arc sensors, coupled with an arc intensity sensor, trigger the Auto-Darkening Filter. Experience unparalleled eye protection right from the start of every weld, even when you're out of position.

🔋 Backup Battery

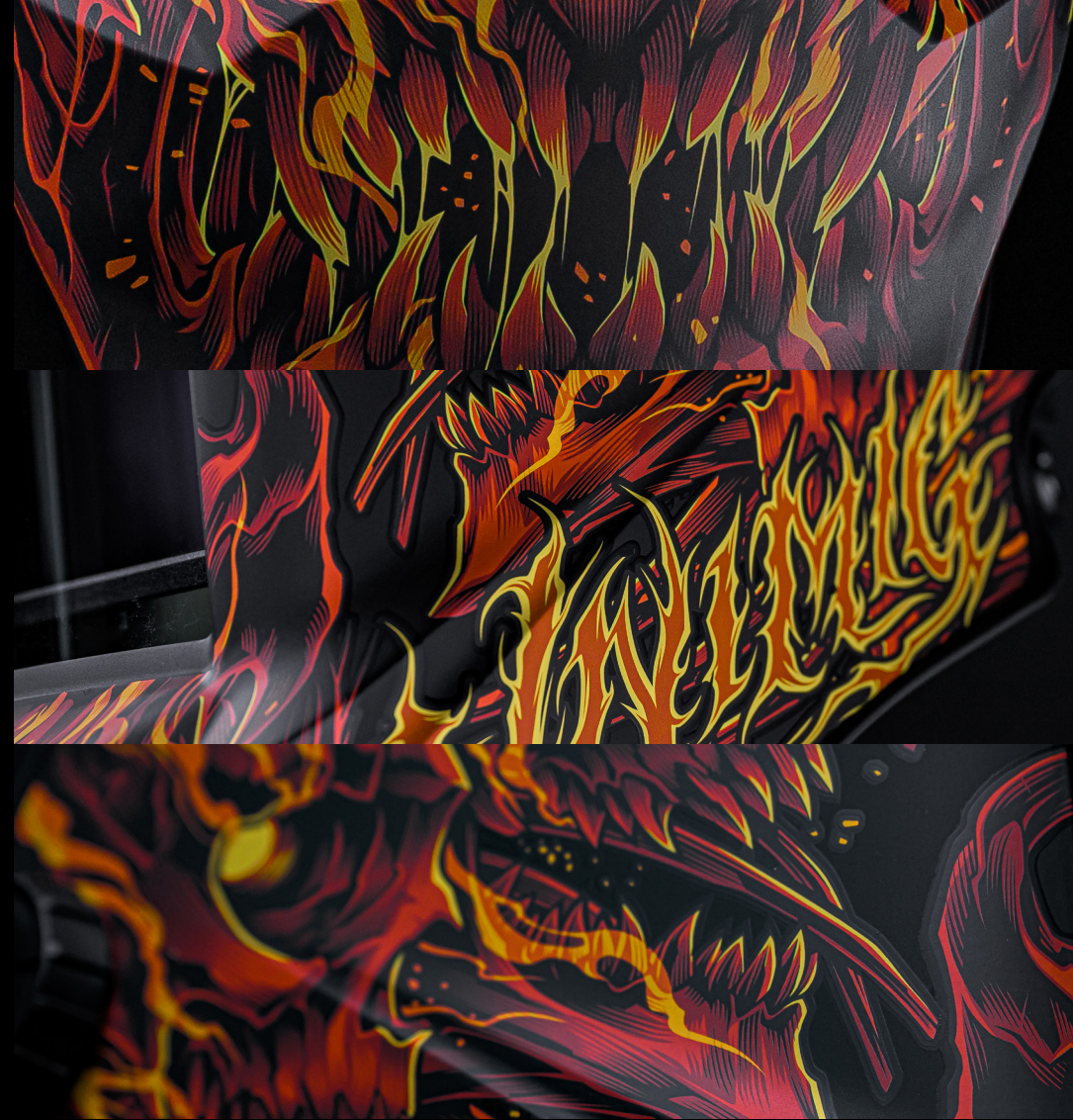
2 x CR2450 backup batteries improve the performance and reliability of the auto-darkening filter.

🌀 4 Point Harness

Get the perfect fit and stay comfortable for hours. Adjust all 4 points of contact to suit you, and have the weight spread more evenly, minimising neck strain.

1:1 Scale

114mm x 133mm



Specifications

Filter Dimensions	114x133x9.5mm	UV/IR Protection	DIN15	Operating Temperature	-10°C to 65°C
View Size	102.5x102.5mm	Time from Light to Dark	0.04ms	Storage Temperature	-20°C to 85°C
Arc Sensors	4 Arc Sensors, 1 Arc Intensity Sensor	Time from Dark to Light	0.1-0.9s	Shade Control	Yes
Classification	1/1/1	Sensitivity Delay	Adjustable (1-5 for low-high)	Grind Mode	Yes (External)
Light State	3	Power Supply	Solar Cells & 2 x CR2450 Replaceable Battery	Minimum TIG Amperage	2A
Dark State	5-13	Warranty	3 Years	Standards	AS/NZS 1337.1 B (High Impact) AS/NZS 1338.1 (Auto-Darkening)

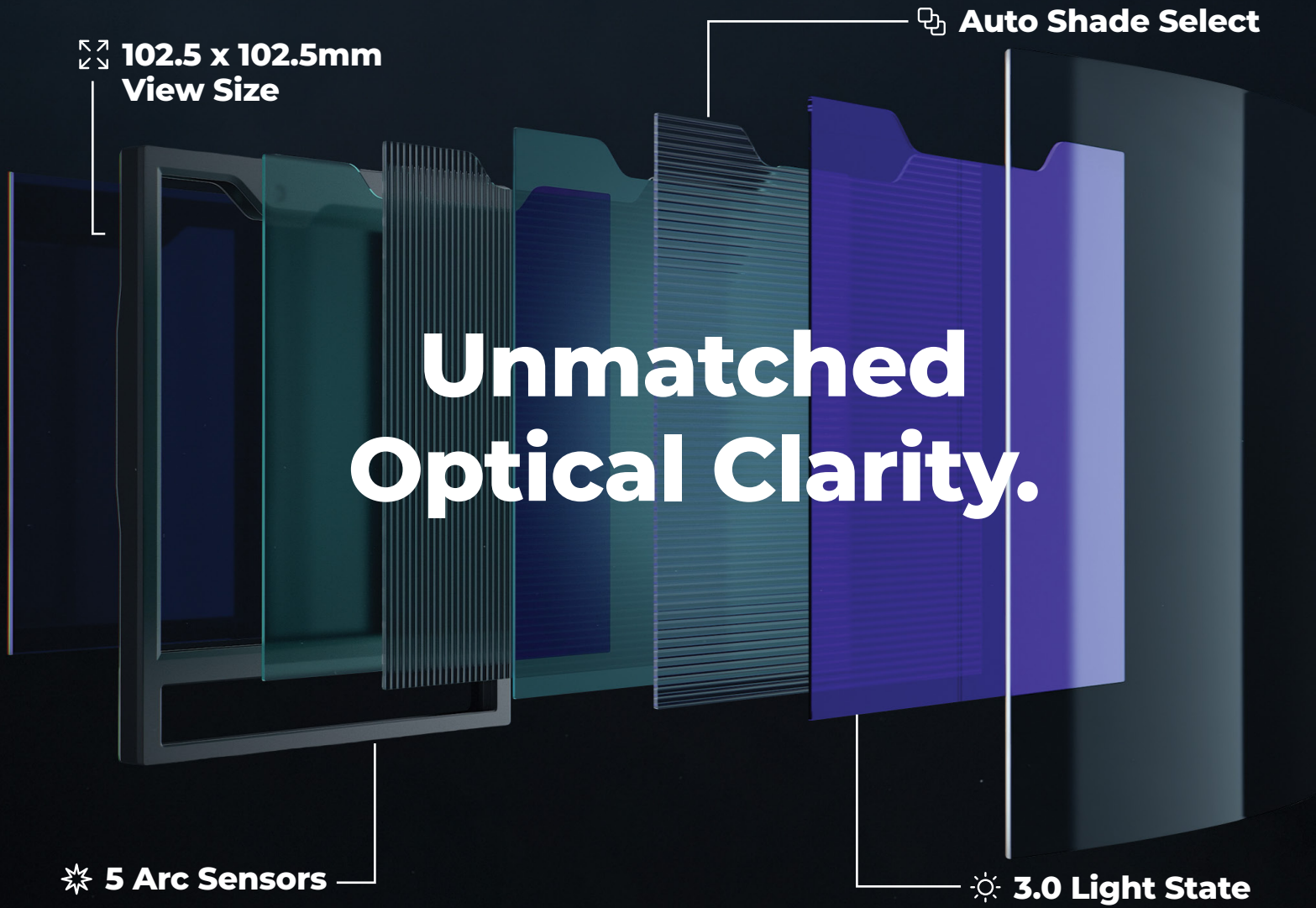
102.5 x 102.5mm
View Size

Auto Shade Select


Unmatched Optical Clarity.

5 Arc Sensors

3.0 Light State



 **Head Strap Adjustment**

 **Distance Adjustment**

**Premium
Comfort.**

 **Neck Band Adjustment**

 **Angle Adjustment**



ELIPSE HALF-MASK P2 **RESPIRATOR**



99.95% Filtration

Approved to AS/NZS 1716:2012 as a P2 Reusable Respirator with P3 filters fitted, it combines a particulate filter with an activated carbon cloth to provide a minimum 99.95% filtration against odours, dust, all types of fumes, oil and water mists and micro-organisms.

Premium Comfort

Latex and silicone-free, the lightweight TPE face piece is comfortable to wear for long periods of time.

Compatible with UNIMIG Welding Helmets

Compatible with other PPE safety items, the low profile filters provide an unobstructed view and fit under all UNIMIG welding helmets.



Elipse P3 Nuisance Odour Replacement Filter

- The P3 filter is the highest level of protection and has a filter efficiency of 99.95% for 0.3 μ particulates.
- A mechanical type multi-layer HESPA synthetic filter media and flexible encapsulated TPE ensure a tight seal and prevent air from bypassing the filter.
- An additional carbon-activated impregnated layer filters out odours and other gases.



SUITABLE FOR:



Welding and Grinding

Metal fumes, ozone and dust



Manufacturing

Glass fibres, composite fibres, lead fumes



Food

Poultry, powers (dairy), spices, grain dust



Mining

Coal dust, silica dust



Pharmaceutical

Powders, viruses



Construction

Silica dust, asbestos, concrete dust, stone dust, aggregate dust, wood dust, cement dust, mould

Specifications

Efficiency	P3 >99.95% for 0.3µ particulate	Standards	<ul style="list-style-type: none"> EN140: 1998 Mask Body EN143: 2000+A1: 2006 P3 RD CE 0194 Approved to AS/NZS 1716:2012 as a P2 reusable Respirator, as the P3 filters are fitted on Half Mask
Mask Weight (g)	133	SKU	DESCRIPTION
Filter Weight (g)	17.5 (per filter, mask requires 2 filters to operate)	SPR337	HALF-FACE RESPIRATOR ELIPSE P2 SMALL/MEDIUM
Shelf Life	3 years	SPR502	HALF-FACE RESPIRATOR ELIPSE P2 MEDIUM/LARGE
Encapsulation (mm)	645 (length of actual media in each filter)	SPR336	NUISANCE ODOUR FILTER P3 SUIT ELIPSE HALF-FACE RESPIRATOR
Mask Dimensions (mm)	110x130x93		
Filter Dimensions (mm)	0.53x97x11		

Origin Series

PART NAME	SKU
ORIGIN SERIES WELDING HELMET LENS KIT	U21040

Core Series

PART NAME	SKU
CORE SERIES WELDING HELMET LENS KIT	U21039
4 POINT HARNESS	U21035
4 POINT HARNESS SWEATBAND & BACK PAD	U21036

Impact Series

PART NAME	SKU
IMPACT SERIES WELDING HELMET LENS KIT	U21041
4 POINT HARNESS	U21035
4 POINT HARNESS SWEATBAND & BACK PAD	U21036

Trade Series

PART NAME	SKU
TRADE SERIES WELDING HELMET LENS KIT	U21023
4 POINT HARNESS	U21024
4 POINT HARNESS SWEATBAND & BACK PAD	U21025

Professional Series

PART NAME	SKU
PROFESSIONAL SERIES WELDING HELMET LENS KIT	U21022
4 POINT HARNESS	U21024
4 POINT HARNESS SWEATBAND & BACK PAD	U21025

Recommended Accessories

PART NAME	SKU
1.5X MAGNIFICATION LENS	U21010
2.0X MAGNIFICATION LENS	U21011
2.5X MAGNIFICATION LENS	U21012

Elipse Half-Mask P2 Respirator

PART NAME	SKU
HALF-FACE RESPIRATOR ELIPSE P2 SMALL/MEDIUM	SPR337
HALF-FACE RESPIRATOR ELIPSE P2 MEDIUM/LARGE	SPR502
NUISANCE ODOUR FILTER P3 SUIT ELIPSE HALF-FACE RESPIRATOR	SPR336

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