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SUMO
PLUG N PLAY GEAR



SUMO Australia Catalogue

Portable Distribution Gear | Accessories | Parts | Plugs and Connectors

2016



WHO IS SUMO?



Sumo Plug N Play is an Australian owned Industrial Electrical Products Manufacturer. Headquartered on the East Coast of Australia, SUMO provides Electrical and Safety products for many of Australia's largest Mining, Industrial, Oil and Gas, Rental and Government Organisations, as well as export to South East Asia, The Middle East and the United States.. Sumo is owned and operated by Managing Directors, Craig Watson and Gary Radford. Craig and Gary have extensive experience in starting, running and selling businesses from various sectors, and over 20 years experience in the Industrial Services Sector. Craig and Gary have developed several brands and businesses via their Yield Farmers Pty Ltd parent organisation including WASP Diesel, Powerhire, Generator Solutions, Branded Ink, Alkali Fins and several others. They also have extensive experience in executive roles in national and international businesses. As with their other ventures, the SUMO concept was born out of recognising an opportunity to deliver quantifiable value to the end user, by way of product innovation. The SUMO Jumbo alone has now been in use on many of Australia's largest Construction, Oil and Gas and Mining Projects for over 5 years without a single warranty claim. The SUMO ethos is simple. We believe that by employing and developing the smartest people in our industry, SUMO can deliver world leading innovation that enables Australian Manufacturing to be internationally competitive.

Craig Watson
MANAGING DIRECTOR

Gary Radford
MANAGING DIRECTOR

SUMO
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What is a Temporary Distribution Board anyway?

A distribution board is essentially an industrial version of a multi - outlet power board used in most households. It is designed predominantly to plug into generators or other power sources on sites or events to enable safe and efficient distribution of electricity. A distribution board is made up of a housing or shell, electrical power outlets and electrical protection devices.



A variety of temporary power distribution solutions are used across Australia and internationally. Depending on the industry, most end uses will either opt for a hard-wire, metal constructed board, or a “plug and play,” polymer or plastic board.

METAL OR PLASTIC?

In a nutshell, most end users believe the advantage of a metal type distribution board over a poly constructed board is price. This widely held belief is in most cases however, a myth. Any distribution board is essentially a very simple product. It is made up firstly, of a series of electrical components to receive and distribute power as well as provide protection for personell and property. And secondly, a housing or shell for those components. In most

cases, the cost of fabricating the actual housing out of metal is more expensive than a poly or plastic shell.

The price myth arose from the fact that most end users who derive the highest benefits from the weight and portability advantages of poly boards (mining, oil and gas, rental), also happen to be the sectors that have higher electrical protection requirements and regulations.

A very large part of the cost of your board will be the quality of it's internal components, and the level of electrical protection and IP rating you require. So when comparing a metal board that is primarily built at a lower electrical spec with a poly board that is genrally built for mining and oil and gas sites, it is easy to see how the common belief that “poly is more expensive than tin,” has proliferated.



OTHER DECISION MAKING CRITERIA

- **An end user** may also prefer a metal enclosure, as they prefer hard wire to plug and play..
- **The cable or wire** used to “daisy chain,” or “cascade,” metal constructed boards can also make them an attractive price alternative to poly distribution boards in indoor applications.

How to choose the right level of protection for your board

SUMO offers a variety of levels of electrical protection to suit regional, site or company specification requirements. All SUMO products are AS3000 compliant. The following explains the various levels of protection available in the SUMO Portable Distribution range:

- A. CLASS A PROTECTION (IF I TRIP NOBODY ELSE DOES)**
Class A protection is the highest level of protection available. Each individual outlet has it's own circuit breaker and earth leakage protection. If one person running off the board trips a safety switch, the remainder of users will stay powered.
- B. CLASS B PROTECTION (IF I TRIP, SOME OF US TRIP)**
Class B protection is the the most common level of protection. Each individual 3 phase outlet has it's own circuit breaker and earth leakage protection. Single phase outlets are protected in clusters of two or more. If one person running off the board trips a safety switch, only the users on that cluster will trip.
- C. CLASS C PROTECTION (IF I TRIP, WE ALL TRIP)**
Class C protection is the minimum level of protection available. If one person running off the board trips, everyone else running of that board will lose power.

“Your choice of protection level and quality of electrical components will dictate **over 75%** of the cost of your board”



“Hidden costs: For most fleet owners, inefficient distribution board design can mean spending **more than 100% of the cost** of the board each year in freight”

AUSSIE INNOVATION - The Best Portable Distribution Board in the World



Sumo Plug N Play is a proudly Australian owned and operated electrical manufacturer that prides itself on delivering value through innovation. SUMO manufactures and distributes a full range of cascadable, Plug N Play temporary distribution solutions. The most popular product in our range, the SUMO Jumbo, epitomises our philosophy of delivering best cost of life value to our customers, both in Australia and throughout the world.

The Sumo Jumbo is a 32 amp or 63 amp Plug N Play Portable Distribution Board, designed to operate in the harshest Australian conditions. Proudly manufactured in Australia, the Sumo Jumbo is widely regarded as the best Portable Distribution Board in the world.

APPLICATIONS

- Ideal for all industries from Mining and Construction, to Oil and Gas and Event applications.
- The robust and compact design delivers major freight and storage savings as well as a long and low maintenance lifespan. The SUMO Jumbo is also ideally suited for rental fleet owners.

FEATURES & BENEFITS

- Stacks 12 to a pallet.
- Fully AS 3000 and 3012 compliant.
- Highest quality European components.
- Certified lift point.
- IP66 Rated.
- Easy access for maintenance.
- No captive parts.
- Interconnects with other brands of DB.
- Lightweight and robust.



Save Money

12 to a pallet design offers significant freight and storage footprint benefits. Up to six-fold reduction in freight costs over competitor products.



Easy to use

SUMO Jumbo is lightweight, simple and ready to go out of the box. It also interconnects with most other major DB Brands.



3 PHASE 32 AMP CEE FORM APPLIANCE INLET CONNECT



3 PHASE 63 AMP CEE FORM APPLIANCE INLET CONNECT

SUMO JUMBO 32

Tough, reliable and versatile, the SUMO Jumbo 32 is currently in use in many of Australia's harshest environments..

Why Sumo?

- Tough and reliable.
- Australian made.
- Double insulated construction.
- The best Portable DB in the world.

Did you know?

- Available in a variety of outlet combinations.
- Injection moulded using ASA polymer materials.
- IP66 Rated.
- Lockable outlet and breaker windows.
- AS3000 compliant and 3012 compliant model available.

SUMO JUMBO 63

The bigger brother of the SUMO Jumbo 32 is powered by a 63 amp, CEE Form appliance inlet and is available in a variety of single and three phase outlet combinations.

Benefits

- Currently in use in all states and territories as well as overseas.
- Compact and easily manoeuvred on site.
- Certified lifting points and carry handles.
- LED power indicator.

Did you know?

- SUMO Jumbo's are made in Brisbane Australia?
- The SUMO Jumbo has now enjoyed 5 years without a single warranty claim.
- SUMO Jumbo can be found in the fleets of many of Australia's largest Mining, Construction, Oil and Gas and Rental Organisations.

Model: Sumo Jumbo 32 - Part No: SJ32

Detail	Specification	
Connection	32a CEE Form Inlet	415v
Supply Rating	32 amp,400v	50HZ
Outlets - 3 Phase	STANDARD 2 x 32a 5 pin switched	415v
Outlets - 1 Phase	STANDARD 8 x 15a	240v
Protection	A or B Class	
IP Rating	IP66	



Model: Sumo Jumbo 63 - Part No: SJ63

Detail	Specification	
Connection	63a CEE Form Inlet	415v
Supply Rating	63 amp,400v	50HZ
Outlets - 3 Phase	STANDARD 2 x 32a 5 pin switched	415v
Outlets - 1 Phase	STANDARD 8 x 15a	240v
Protection	A or B Class	
IP Rating	IP66	





HARDWIRE CONNECT

SUMO SUPER JUMBO

Model: Sumo Super Jumbo 225

PART NO: SSJ225

The Sumo Super Jumbo is the largest of the Sumo Series Boards and ideal for cascading to other DB's from your main source of power. Features include:

- Trolley Mount with lift points and cable storage.
- Soft ground stabilisers.
- Perspex outer door.
- Easy access for maintenance.
- Padlock-able CB windows.



Detail	Specification	
Connection	Hardwire	
Supply Rating	225amp,400v	50HZ
Outlets - 3 Phase	3 x 63a CEE FORM 4 x 32a CEE FORM	415v
Outlets - 1 Phase	6 x 15a	240v
Protection	A or B Class	
IP Rating	IP66	
Dimensions	1,460 (H) x 1,000 (W) x 700 (D)	mm
Weight	95	kg



Detail	Specification	
Connection	32 amp 5 pin with 1.8m lead	415v
Supply Rating	32amp,400v	50HZ
Outlets - 3 Phase	1 x switched, 32 amp 5 pin	415v
Outlets - 1 Phase	6 x 15a	240v
Protection	B Class	
IP Rating	IP66	
Dimensions	630 (L) x 300 (W) x 180 (H)	mm
Weight	9.5	kg



Detail	Specification	
Connection	10 or 15 amp with 1.8m lead	240v
Supply Rating	15 amp, 240v	50HZ
Outlets - 3 Phase	N/A	415v
Outlets - 1 Phase	6 x 15a	240v
Protection	C Class	
IP Rating	IP66	
Dimensions	460 (L) x 260 (W) x 160 (H)	mm
Weight	3.8	kg

SUMO HALF SQUAT - 4

Models: Sumo Half Squat 4 - 10 | Sumo Half Squat 4 - 15 PART NO: SHS4-10/SHS4-15

The perfect tradies companion, the Sumo Half Squat 4 comes in either 10 or 15 amp feed combinations. Features include:

- Super ligtweight design.
- IP66 Rated with tough outer shell.
- The most compact IP66 rated DB on the market.



1 PHASE 10 OR 15 AMP CONNECT

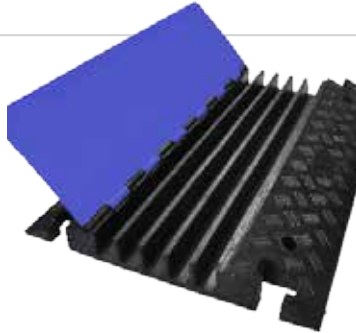
Detail	Specification	
Connection	10 or15 amp with 1.8m lead	240v
Supply Rating	15 amp, 240v	50HZ
Outlets - 3 Phase	N/A	415v
Outlets - 1 Phase	4 x 15a	240v
Protection	C Class	
IP Rating	IP66	
Dimensions	200 (H) x 180 (W) x 190 (D)	mm
Weight	2.5	kg

ACCESSORIES



LEAD Stands

PART NO: SLS



CABLE Ramps

PART NO: SCR5



CABLE Hooks

PART NO: SCH



CONNECTOR Cables

PART NO: SCC32, SCC63



1 PHASE 10 OR 15 AMP CONNECT

SUMO HALF SQUAT - 6

Models: Sumo Half Squat 6 - 10 | Sumo Half Squat 6 - 15 PART NO: SHS6-10/SHS6-15

The Sumo Half Squat 6 is an ideal, lightweight toolbox companion when 6 single phase outlets are required. Features included:

- 1.8 metre braided supply cable with 10 amp or 15amp feeder plug.
- Robust, but light weight outer shell.
- IP 66 rated.



CLOTHING



MOUSE PADS



COFFEE CUPS

CBW Portable Distribution Boards - Exclusive to SUMO



SUMO Australia is the proud, exclusive distributor of the CBW Elektrisch range of Portable Distribution Boards.

CBW Elektrisch manufactures a range of traditional metal-type and roto-moulded poly temporary distribution boards. CBW Elektrisch utilises it's own breakers, outlets and other components to construct a high quality, mid-tier Distribution Board for the Australian Commercial and Residential Construction market.

CBW is available in a range of outlet configurations, metal and tin construction and plug and play or hardwire connection options.

CBW RAPTOR SERIES
METAL CONSTRUCTION - HARDWIRE CONNECT



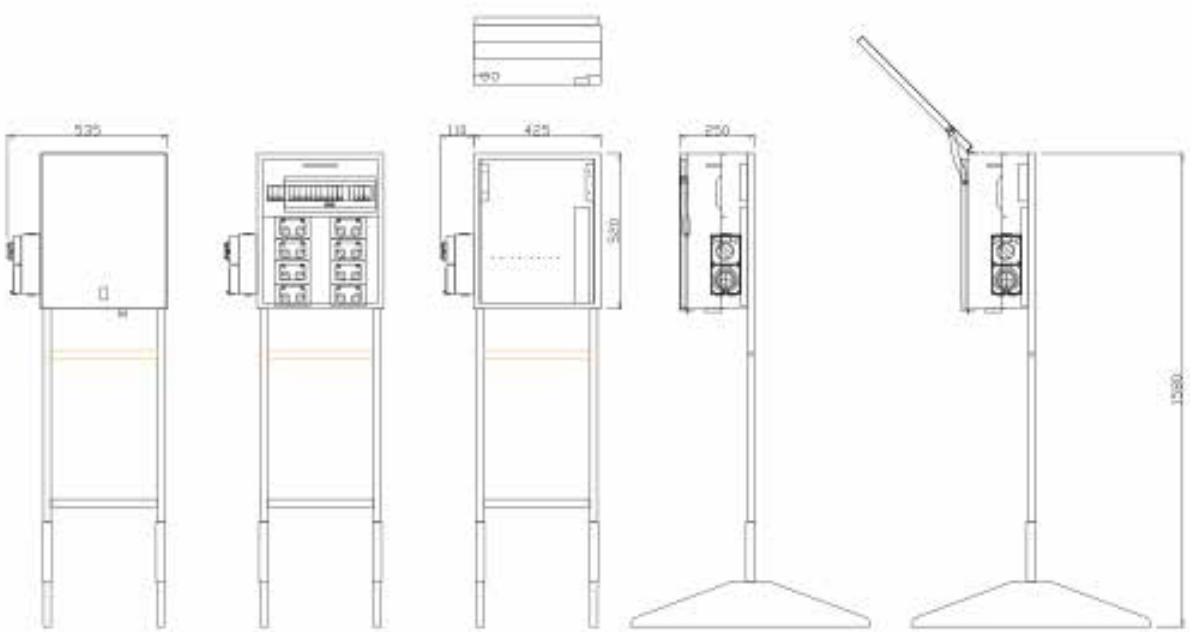
CBW RUCKUS SERIES
POLY CONSTRUCTION - PLUG CONNECT



CBW RAPTOR SERIES - METAL CONSTRUCTION, HARDWIRE BOARDS



HARDWIRE CONNECT



CBW RAPTOR - 1PH
SINGLE PHASE OUTPUT ONLY
PART NO: CBWR1

Detail	Specification	
Connection	HARDWIRE	240v
Supply Rating	100 amp	50HZ
Outlets - 3 Phase	NIL	415v
Outlets - 1 Phase	1 x 15 amp 10 x 10 amp	240v
Protection	B Class	
IP Rating	IP46	
Dimensions	1,580 (H) x 425 (W) x 250 (D)	mm
Weight	46	kg

CBW RAPTOR - 3PH
SINGLE AND THREE PHASE OUTPUT
PART NO: CBWR3

Detail	Specification	
Connection	HARDWIRE	415v
Supply Rating	100 amp	50HZ
Outlets - 3 Phase	1 x 32a 5 pin switched	415v
Outlets - 1 Phase	1 x 15 amp 10 x 10 amp	240v
Protection	B Class	
IP Rating	IP46	
Dimensions	1,580 (H) x 425 (W) x 250 (D)	mm
Weight	46	kg

CBW RUCKUS SERIES - POLY CONSTRUCTION, PLUG N PLAY BOARDS



3 PHASE 32 OR 63 AMP CEE FORM APPLIANCE INLET CONNECT

CBW RUCKUS

PART NO: CBWRUCK

Detail	Specification	
Connection	HARDWIRE	240v
Supply Rating	32 or 63 amp	50HZ
Outlets - 3 Phase	STANDARD 2 x 32a 5 pin switched	415v
Outlets - 1 Phase	STANDARD 8 x 15a	240v
Protection	B Class	
IP Rating	IP	
Dimensions	1,200 (H) x 480 (W) x 280 (D)	mm
Weight	22	kg



CBW TRADESMATE

PART NO: CBWTM

Detail	Specification	
Connection	10 amp with 2 metre lead	240v
Supply Rating	10 amp	50HZ
Outlets - 3 Phase	NIL	415v
Outlets - 1 Phase	4 x 10 amp	240v
Protection	C Class	
IP Rating	IP23	

SUMO MANUFACTURING AND CUSTOMISATION



SUMO IN-HOUSE CAPABILITY

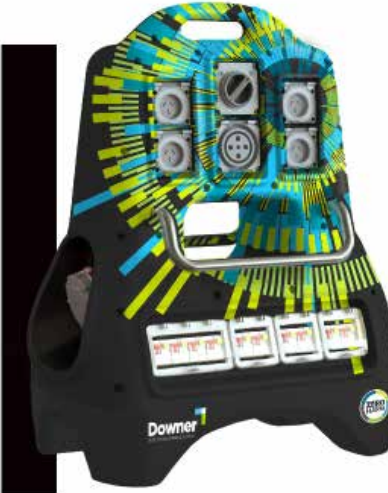
From design to delivery, SUMO controls the entire supply chain to ensure our customers receive the right product, at the right spec, on time, every time at the best value for money.

Sumo in - house capabilities include:

- Design.
- Engineering.
- Manufacturing.
- Customisation.
- Electrical.
- Fabrication.
- Paint and branding.

Proudly Australian, Sumo can design custom products form scratch or modify any part of our existing range to suit your individual requirements. From different specs, to levels of electrical protection to designing an entire product range to suit your business or project, Sumo prides itself on flexibility and problem solving.

Sumo has worked hard to develop a range that we think suits our customers needs but we also recongnise the need to be flexible and nimble in order to assist when a project or business - specific design is required to get the job done.

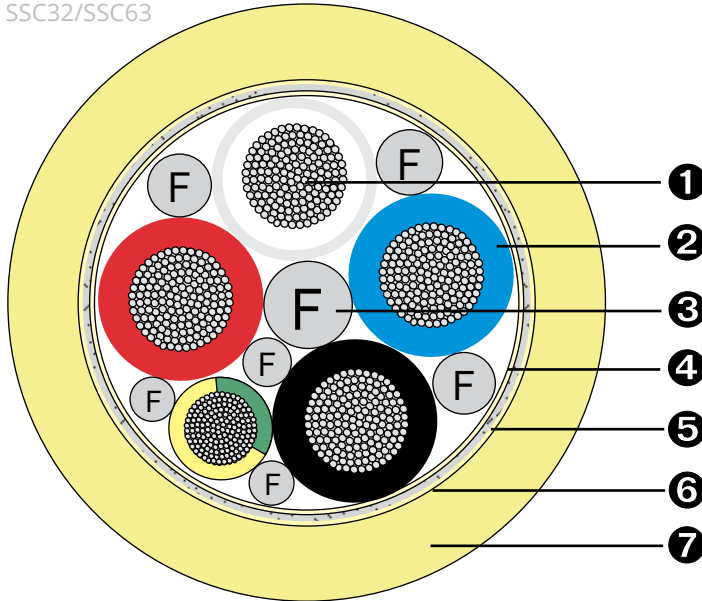


SUMO EARTH SCREENED DB CONNECTOR CABLE



SUMO SCREENED DB CABLES

DB CASCADING CABLES
PART NO: SSC32/SSC63



Typical Application

Suitable for fixed wiring application where EMC protection is required.

Construction

1	Conductor:	Fine wire tinned annealed copper to IEC 60228 and AS/NZS 1125
2	Insulation:	LSFLEX® XL-20 (X-90), Cross linked, Polyethylene
3	Filler:	Non Hygroscopic PP filler
4	Screen:	Aluminium laminate tape
5	Braid:	Tinned copper wire braid
6	Separator:	Polypropylene tape
7	Jacket:	E-RUBBER® N-30, Flame Retardant, Thermoplastic, Elastomeric. Splash resistant to oil, skydrol, petrol, acid, and sea water. Resists ozone and UV. Excellent abrasion resistance. Best practice PVC. Submersible to 500m

Colouring

Core Colours	Red, White, Blue, Black, Green/Yellow Earth
Jacket Colour	Yellow

Dimensional

	4C6+6E	4C16+6E
Conductor Diameter (Active) (mm):	3.0	5.0
Conductor Diameter (Earth) (mm):	3.0	3.0
Braid Diameter (mm):	13.2	17.2
Nominal Outer Diameter (mm):	17.6	21.7
Bending Radius (mm):	71	87
Overall Weight per kilometre (kg/km):	511	936

Performance Specifications

Voltage Rating (kV):	0.6 /1	0.6 /1
Current Rating (A):	43*	81*
Operating Temperature (°C):	-40 to 90	-40 to 90
DC Resistance (Active) (Ω/km @ 20°C):	3.39	1.24
DC Resistance (Earth) (Ω/km @ 20°C):	3.39	3.39
Short Circuit Current (1 second) (A):	858**	2288**

CBW CABLES AND CONNECTORS

EXTENSION CABLES

SINGLE PHASE 10 OR 15 AMP

PART NO: CBWEC1-10/CBWEC1-15



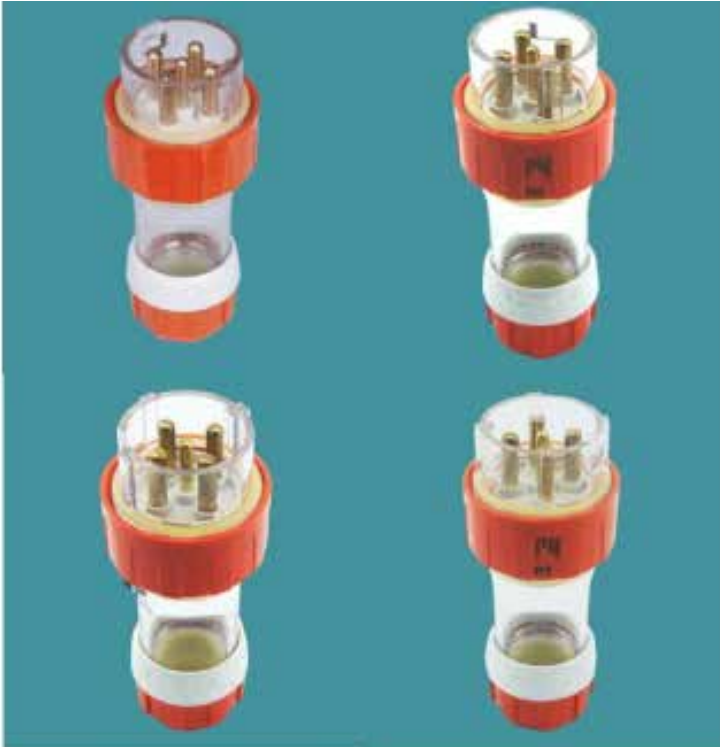
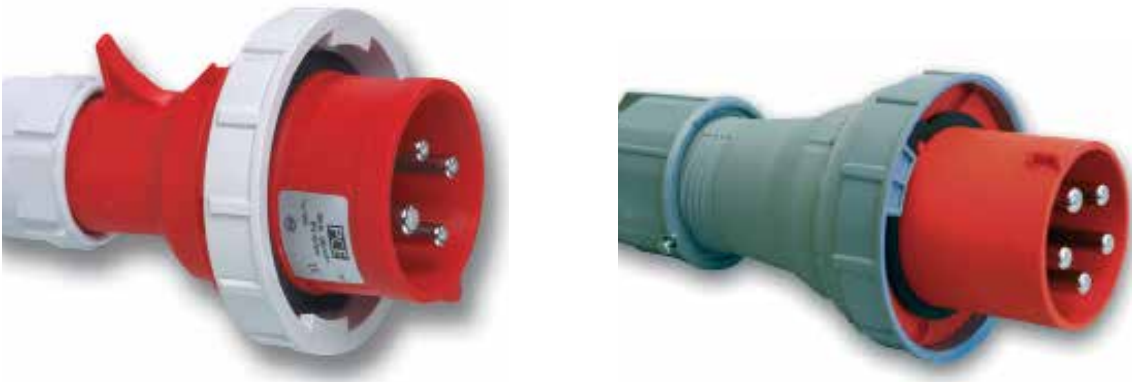
THREE PHASE 20 - 50 AMP

PART NO: CBWEC3-20/CBWEC3-32/CBWEC3-50



PLUGS AND CONNECTORS

CEE FORM AND 4 + 5 PIN SINGLE AND THREE PHASE - FULL RANGE AVAILABLE



SUMO proud Australian distributor for world leading Schrack Breakers

SUMO Safety and Quality (ALL PRODUCTS SSA, AS3000 AND AVAILABLE AS AS3012 COMPLIANT)



“The real reason to be safe at work, is not at work at all.”



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