

# Open Air Street Culture







The Centre Series - Architectural Umbrella Range combines award winning designs with a new benchmark in sophisticated high-end architectural detailing.

- ▣ The Centre Series - Architectural Umbrella Range offers clients a variety of shapes & sizes to ensure most alfresco spaces can easily be protected from sun, wind & rain.
- ▣ An extensive range of integrated design options are available including: linking systems, integrated drop-side blinds, heating, lighting, signage, audio, solar & mist cooling systems.
- ▣ Centre Series - Architectural Umbrellas are manufactured from the highest quality non-corrosive materials & hardware. When required Architectural Umbrellas are easily collapsed.
- ▣ Typical installation methods include: chemically anchor to your existing concrete slab, deck mount brackets, planter box options & construction concrete footings.
- ▣ All our waterproof fabric's carry outstanding dimensional stability & tensile strength and our anti-wicking treatment guarantees resistance to harsh UV rays.
- ▣ Designed, engineered & manufactured in Australia in accordance with the wind & design codes for Australia, New Zealand, Asia, Europe & the United States.







The Side Series - Architectural Umbrella Range combines award winning designs with a new benchmark in sophisticated engineering and high-end detailing.

- ▣ The Side Series - Architectural Umbrella Range offers clients with a post-free under canopy space and are available in a large variety of shapes & sizes ensuring most alfresco spaces can be protected.
- ▣ An extensive range of integrated design options include: linking systems, integrated drop-side blinds, heating, lighting, signage, audio, solar & mist cooling systems.
- ▣ Side Series - Architectural Umbrellas are manufactured from the highest quality non-corrosive materials & hardware. When required the umbrella can be collapsed (optional) using an erection rig.
- ▣ Typical installation methods include: chemically anchor to your existing concrete slab, deck mount brackets, planter box options & construction concrete footings.
- ▣ All our waterproof fabric membranes carry outstanding dimensional stability & tensile strength while our anti-wicking treatment guarantees resistance to harsh UV rays.
- ▣ Designed, engineered & manufactured in Australia in accordance with the wind & design codes for Australia, New Zealand, Asia, Europe & the United States.







The Portable Series - Architectural Umbrella Range combines award winning designs with a new benchmark in sophisticated high-end detailing.

- ▣ The Portable Series - Architectural Umbrella delivers the same high-end specification as larger models within the range, with the benefit of being able to remove umbrella when required.
- ▣ With an extensive range of integrated design options that include: quick release linking systems, custom frame & fabric colour options & low voltage lighting systems.
- ▣ Portable Series - Architectural Umbrellas are manufactured from the highest quality non-corrosive materials & hardware. The Porta Series Umbrella is easily collapsed using a removable handle.
- ▣ Typical installation methods include: direct anchoring to your existing concrete slab with small base plates, larger portable base plates & pavement sockets.
- ▣ All our waterproof membranes carry outstanding dimensional stability & tensile strength, while our anti-wicking treatment guarantees resistance to harsh UV rays.
- ▣ Designed, engineered & manufactured in Australia to the highest quality standards, the Portable Series will perform in the harshest marine environments and handle wind speeds up to 70 km/hr.







The Conical Series - Modular Umbrella combines an eye-catching conical design with the functionality of post-free under canopy clearance.

- ▣ The Conical Series - Modular Umbrella Range includes a variety of sizes & can be designed as separate units or with one continuous waterproof fabric over multiple units.
- ▣ An extensive range of integrated design options include: Integrated drop-side blinds, outdoor heating systems, lighting modules, guttering & mist cooling systems.
- ▣ The Conical Series - Modular Umbrellas are manufactured from highest quality non-corrosive materials; structures are fixed & typically are passed as demountable.
- ▣ Typical installation methods include: chemically anchor to your existing concrete slab, planter box options & construction of concrete footings.
- ▣ All our waterproof Fabric membranes carry outstanding dimensional stability & tensile strength and it is our anti-wicking treatment that guarantees resistance to harsh UV rays.
- ▣ Designed, engineered & manufactured in Australia in accordance with the wind & design codes for Australia, New Zealand, Asia, Europe & the United States.



Conical Series - Corner Support Model



Conical Series - Centre Support Model



Conical Series - Side Support Model





The Inverted Series - Modular Umbrella Range is eye-catching in design, unmatched in functionality & sets new benchmarks in high-end detailing.

- ▣ InvertedSeries-ModularUmbrellaoffersavarietyofsizeswithintherange. Onecontinuousmembrane over multiple units achieves large protected spaces, while water is dispersed through the column.
- ▣ Extensive range of integrated design options include: Gas or electric outdoor heating systems, lighting modules, audio, solar, & mist cooling systems.
- ▣ Inverted Series - Modular Umbrellas are manufactured from highest quality non-corrosive materials. Structures are fixed & are typically passed through as demountable structures.
- ▣ Typical installation methods include: chemically anchored to existing slab (depending on thickness) or require construction of pad or pier concrete footings.
- ▣ All our waterproof membranes carry outstanding dimensional stability & tensile strength, while our anti-wicking treatment guarantees resistance to harsh UV rays.
- ▣ Designed, engineered & manufactured in Australia, in accordance with the wind & design codes for Australia, New Zealand, Asia, Europe & United States.







The Hyper Series - Modular Umbrella represents a cost effective alternative to custom design fabric structures. Individually engineered according to the requirements of each project, modules can be designed specifically for larger applications, including retail precincts & quality residential projects.

- ▣ Site specific requirements can easily be adhered to with centre or side a column configurations that are available within the range, while multiple modules are linked with a single membrane.
- ▣ The Hyper Series - Modular Umbrella provides infinite flexibility in terms of coverage and the installation can even be staged according to the growing requirements of each project or organisation.
- ▣ Our exclusive preconstraint fabric technology guarantees the fabric has outstanding dimensional stability and mechanical strength. Our entire range of architectural textiles benefit from our exclusive CRT (Capillarity Resistance Technology) anti-wicking coating treatment.
- ▣ Designed, engineered and manufactured in Australia in accordance with the wind and design codes in Australia, New Zealand, Asia, Europe and United States and to match specific terrain category requirements of your site including cyclonic regions.







The Street Umbrellas - Custom Fabric Structure offering incorporates a variety of canopy designs for numerous applications including – walkway structures, barrel vault roofs, conical canopy designs, panel awnings and large custom designed umbrellas.

Street Umbrellas - Custom Fabric Structures are ideal for small through to medium-sized commercial projects. We have worked on a variety of iconic Australian and international projects including – shopping centres, schools, stadiums, sporting complex's, streetscape projects and resort developments. We work very closely with our clients to develop concepts and deliver innovative design outcomes that offer maximum functionality and durability.

Our Fabrics – we start with a cost effective alternative to traditional roofing systems and this is a high grade architectural PVC fabric that we can utilise multiple sheets of fabric and fuse (weld) them together in a process known as weldable seam technology, larger spans can be achieved without losing the integrity of the yarn.

We utilise a wide variety of fabric types and this is dependent on the application & your site conditions.

Our commercial project experience means that you will be partnering with a industry leader in architectural fabric structures and we pride ourselves on the fact we constantly deliver award winning project outcomes for our clients.

All our designs are all fully engineered specifically to your projects requirements in accordance with Australian standards and engineering codes.





# STREET UMBRELLAS - ARCHITECTURAL UMBRELLA RANGE

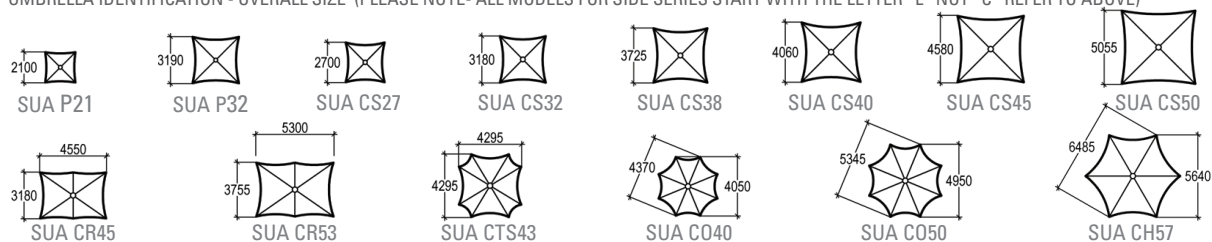
Under Canopy  
Clearance (C)  
Overall Height (H)



## MODEL SELECTOR

CANOPY SHAPE	UMBRELLA NOMINAL SIZE IN METRES (area-sqm)	'PORTABLE' MODEL No 'P'	'CENTRAL' 120 KM/H STD WIND RATING MODEL No 'C'	SIDE SERIES UMBRELLAS MODELS	UNDER CANOPY CLEARANCE CENTRAL (C) mm
SQUARE 'S'	2.1 x 2.1 (3.8)	SUA P21	–		2000
	3.2 x 3.2 (8.2)	SUA P32	–		2100
	2.7 x 2.7 (5.8)	–	SUA CS27	SUA LS27	2400
	3.2 x 3.2 (8.0)	–	SUA CS32	SUA LS32	2400
	3.8 x 3.8 (11.0)	–	SUA CS38	SUA LS38	2300
	4.0 x 4.0 (12.7)	–	SUA CS40	SUA LS40	2270
	4.5 x 4.5 (17.1)	–	SUA CS45	SUA LS45	2250
	5.0 x 5.0 (21.7)	–	SUA CS50	SUA LS50	2400
RECTANGULAR 'R'	4.5 x 3.2 (12.7)	–	SUA CR45	SUA LR45	2150
	5.3 x 3.8 (16.7)	–	SUA CR53	SUA LR54	2150
TRUNCATED SQUARE 'TS'	4.3 x 3.2 (15.7)	–	SUA CTS43	SUA LTS43	2300
OCTAGONAL 'O'	4.0m wide (911.6)	–	SUA CO40	SUA LO40	2150
	5.0m wide (16.9)	–	SUA CO50	SUA LO50	2200
HEXAGONAL 'H'	5.7m wide (22.9)	–	SUA CH57	SUA LH57	2150

UMBRELLA IDENTIFICATION - OVERALL SIZE (PLEASE NOTE- ALL MODELS FOR SIDE SERIES START WITH THE LETTER "L" NOT "C" REFER TO ABOVE)



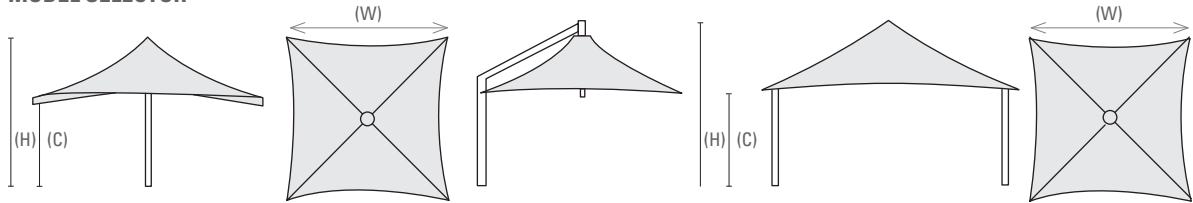
## UMBRELLA TECHNICAL INFORMATION

<b>MEMBRANE</b>	
MATERIAL	The tensile membrane is fabricated from Mehler Haku Polymar 8506, Mehatorp F polyester fabric with PVDF lacquer on the top side. Extensive range of fabric colours are available. The structures expected life is up to 20
OPTIONAL	502 Colour Design Membrane used on custom fabric colours & TiO2 Titanium Dioxide fabric is available on request
<b>STEEL FINISH</b>	
TYPE	The structure employs galvanised tubular steel components, complying with the codes below, finished with Triplex polyester powder coating system, with an extensive colour range available
<b>CONNECTIONS</b>	
BOLTS	Bolts, nuts and washers, wire rope cables, rigging screws and shackles are stainless steel Gr.316
POLE	Pole sleeve is stainless steel Gr.316
<b>COMPONENTS</b>	
TOP HAT	Top hat is aluminium with polyester powder coat
ARM END PLUGS	Arm end plugs are UV resistant Nylon (extruded), colour black
MEMBRANE TOP PLATE	Membrane top plate is weatherproof PVC Integral skin-foam
<b>OPTIONAL ACCESSORIES</b>	
TYPE	Specifically designed, integrated heating and lighting systems, functional external blind systems computer cut logos to canopy for additional exposure & waterproof linking systems.
<b>DESIGN AND ENGINEERING</b>	
DESIGN PRINCIPALS	The umbrellas have been designed in accordance with the principles of structural mechanics to resist loading in accordance with the Building Codes of AUST., NZ., ASIA, EUROPE and USA
STRUCTURAL DESIGN ACTIONS	AS/NZ 1170.0 – General Principles, AS/NZ 1170.1 – Permanent, Imposed and other Actions, AS/NZ 1170.2 – Wind Actions, AS 4100 – Steel Structures, AS 3600 – Concrete Structures



# STREET UMBRELLAS - MODULAR UMBRELLA RANGE

## MODEL SELECTOR



### CONICAL SERIES - CENTRE SUPPORT

Centre Support features a conical form with one central column per module – minimum number of columns and footings required.

TYPE & MODEL NUMBER	CANOPY WIDTH (W) mm	OVERALL HEIGHT (H) mm	UNDER CANOPY (C) mm
SUA MS30	3100	3330	2400
SUA MS40	4160	3515	2400
SUA MS50	5150	3770	2400
SUA MS60	6150	4400	2700
SUA MS70	7200	4600	2700
SUA MS80	8200	4860	2700
SUA MS90	9280	5410	3000
SUA MS100	10290	5675	3000
SUA MS120	12375	6160	3000

### CONICAL SERIES - SIDE SUPPORT

Side Support offering one side column per module – minimum number of columns and footings required.

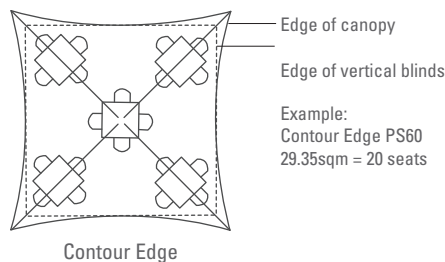
TYPE & MODEL NUMBER	OVERALL HEIGHT (H) mm	UNDER CANOPY (C) mm
SUA MSS30	3600	2400
SUA MSS40	3900	2400
SUA MSS50	4260	2400
SUA MSS60	4980	2700
SUA MSS70	5240	2700
SUA MSS80	5590	2700

### CONICAL SERIES - CORNER SUPPORT

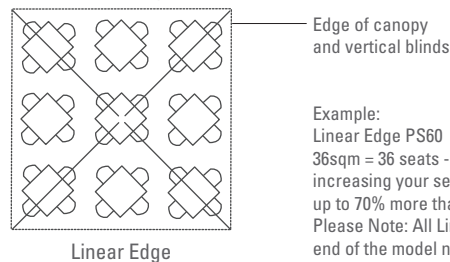
'Pole-free' under canopy area makes it an ideal cover for larger areas and walkway applications.

TYPE & MODEL NUMBER	CANOPY WIDTH (W) mm	OVERALL HEIGHT (H) mm	UNDER CANOPY (C) mm
SUA PS30	3130	3330	2400
SUA PS40	4160	3515	2400
SUA PS50	5160	3770	2400
SUA PS60	6180	4400	2700
SUA PS70	7180	4600	2700
SUA PS80	8230	4860	2700
SUA PS90	9280	5410	3000
SUA PS100	10280	5675	3000
SUA PS120	12370	6160	3000

LINEAR AND CONTOUR OPTIONS ARE AVAILABLE FOR CENTRE, SIDE & CORNER MODELS.



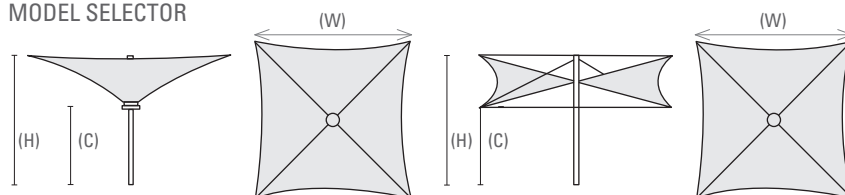
Contour Edge



Linear Edge

Linear models are suited for projects that require external vertical blinds or gutters to be fitted to structure(s). Linear edge option increases your seating capacity by up to 70% more than Contour Edge.

## MODEL SELECTOR



Side support Hyper-models are available as custom structures

### INVERTED SERIES - CENTRE SUPPORT

Inverted conical form with one central column per module which also acts as a rainwater down pipe to divert rainwater run-off. Perfect for covering outdoor markets and public spaces

TYPE & MODEL NUMBER	CANOPY WIDTH (W) mm	OVERALL HEIGHT (H) mm	UNDER CANOPY (C) mm
SUA ST60	6150	4450	2900
SUA ST70	7200	4640	2900
SUA ST80	8200	4910	2900
SUA ST90	9280	5480	3200
SUA ST100	10280	5740	3200
SUA ST120	12370	6220	3200

### HYPER SERIES - CENTRE SUPPORT

Architectural hyper-parabolic form with one central column per module. Visually stunning, the Hyper's eye-catching design can be further enhanced with lighting

TYPE & MODEL NUMBER	CANOPY WIDTH (W) mm	OVERALL HEIGHT (H) mm	UNDER CANOPY (C) mm
SUA QS40	4130	3640	2400
SUA QS50	5160	3900	2400
SUA QS60	6200	4560	2700
SUA QS70	7230	4810	2700
SUA QS80	8230	5150	2700
SUA QS90	9280	5720	3000
SUA QS100	10280	6020	3000
SUA QS120	12370	6650	3000

## TECHNICAL INFORMATION

### STEEL FINISH

Powder coat system

### MEMBRANE

Mehler Haku Polymar 8506, Mehatop F polyester fabric with PVDF lacquer. 502 colour design for custom colours

### WIND RATING

148kph as standard (upgradable to suit up to cyclonic conditions)

### CUSTOMISE

Choose from sixteen different membrane colours (see 502 'Colour Design' range). External blinds can provide protection from wind and rain. Gutters, heating & lighting are also available.