



## CAFE RANGE MANUAL

- **Deluxe Umbrellas**
- **Wind Barriers**

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## INTRODUCTION

This manual is provided to you to maximise the benefits of the shade and brand promotion and to protect your customers, staff and the general public from injury and harm.

The nature of umbrellas is that there is a big canopy on a frame that is mounted on a small base.

### Sizes

- 2.0 x 2.0m Square = 4m<sup>2</sup>, base size = 0.25m<sup>2</sup>**
- 2.4 x 2.4m Square = 5.76m<sup>2</sup>, base size = 0.25m<sup>2</sup>**
- 3.0 x 3.0m Square = 9.0m<sup>2</sup>, base size = 0.36m<sup>2</sup>**
- 2.4m Dia Octagonal = 4.92m<sup>2</sup>, base size = 0.25m<sup>2</sup>**
- 3.0m Dia Octagonal = 7.42m<sup>2</sup>, base size = 0.36m<sup>2</sup>**

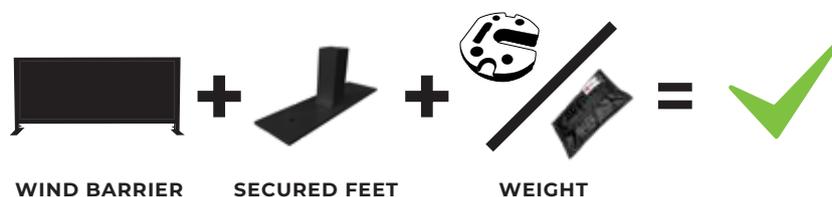
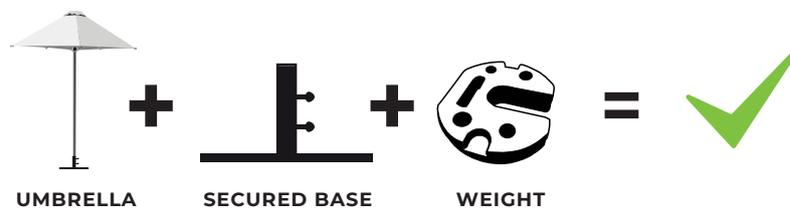
When assembled correctly and in normal, light breeze weather conditions your Star Outdoor deluxe umbrella will provide excellent shade, branding and enhance your al fresco environment.

### Weights

- a) We strongly recommend placing weights on the umbrella bases to secure them in case of wind gusts. We recommend using Star Outdoor universal weight plates as they are stackable and nest together so as not to cause a trip hazard.
- b) **How much weight should you use?** Our engineers have recommended the amount of weight for the umbrella to stay upright in 20 knots (37 km/hr) see page 7. This may vary depending on the location of the umbrella, in a protected area less weight would be sufficient however in a wind tunnel between buildings or at a beach side location more weight may be needed.
- c) **WARNING** - Winds of 20 knots are strong and we recommend that the umbrellas are collapsed and strapped using the strap supplied. In the event of a storm approaching lay the umbrellas down or pack them away so they don't become a flying projectile that could injure people and damage property.

**If you are unsure about the installation process please contact Star Outdoor on 1300 721 877 and we can assist you.**

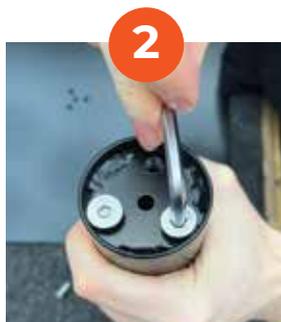
Disclaimer: Star Outdoor can not be held responsible for damage or injury caused by umbrellas that are not installed correctly.



## DELUXE UMBRELLA BASE ASSEMBLY



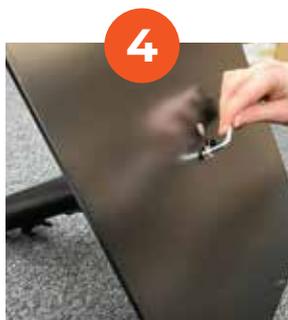
1 Assemble your base first, open box and remove packaging, retrieve the hex tool from the pole.



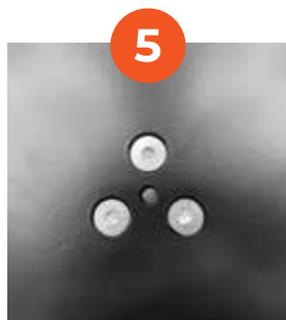
2 There are 3 bolts in the pole holder. Using the hex tool, remove the bolts from the pole.



3 Position the pole on the plate which is tipped on its side, carefully secure the first bolt.



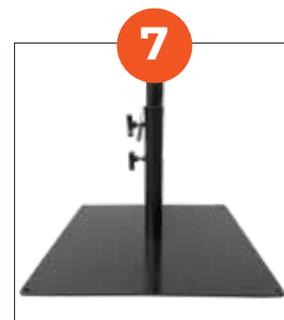
4 Secure the remaining two bolts, ensuring the pole is aligned with the remaining holes.



5 Once all bolts are tightly fastened, (check the bolts are still tight after 2 weeks and retighten if required).



6 Loosen the two locking screws, insert umbrella pole and tightly fasten locking screws.



7 If permitted, bases can be bolted directly to the footpath or patio.



8 See page 7 for recommended weight for your umbrella shape and size.

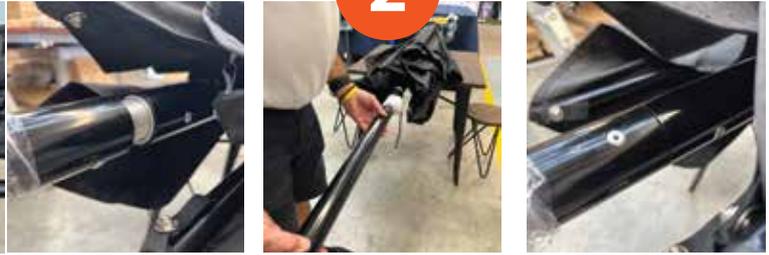
## DELUXE UMBRELLA ASSEMBLY

1



Remove the umbrella from the carton and lay the umbrella on a flat surface at waist height - cafe table is good for this.

2



For 2m and 2.4m sizes screw in the bottom pole, being cautious not to cross thread the screw, do this by keeping the bottom pole straight and aligned on all axis, tighten firmly using two hands. 3m has a single pole and is ready when removed from the carton.

3



Lift and place the umbrella pole into the base, ensure the two locking screws are tightening firmly to secure the pole in the base.

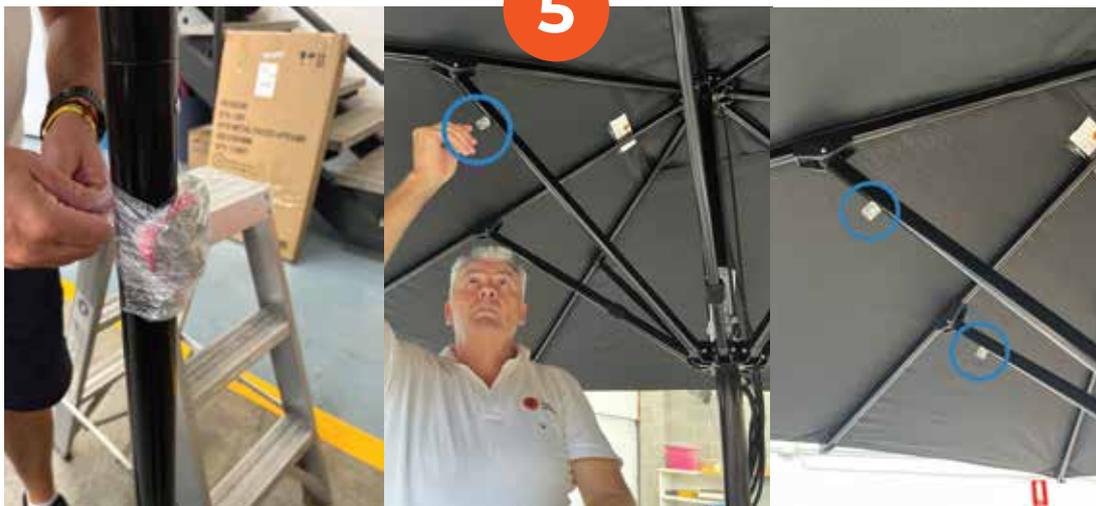
4



On the first opening of the umbrella you will need to go under the canopy and spread the ribs/arms by hand while pulling on the rope, you will need to remove any packaging/bubble wrap before the canopy can be opened.

Once the canopy is up the locking pin should be inserted in the highest hole possible so that the canopy fabric is taut.

5

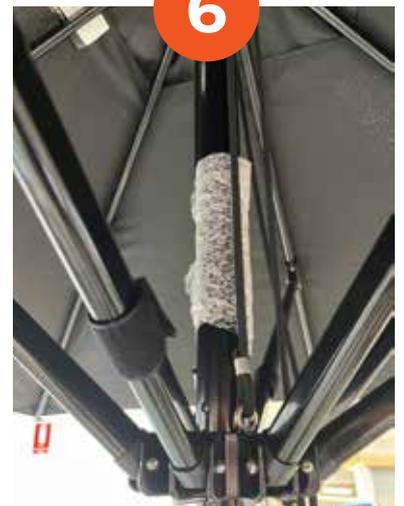


Using a small step ladder install the small nylon stoppers in the holes on each rib using the hex tool provided in the plastic bag attached to the pole.

4 stoppers for 2m and 8 stoppers for the 2.4m and 3m.

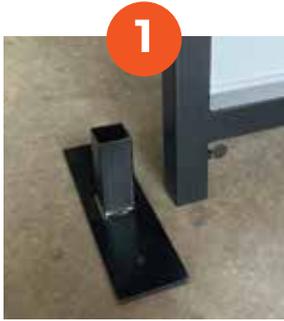
NOTE: installing the stoppers will make the opening of the umbrella easy every time.

6

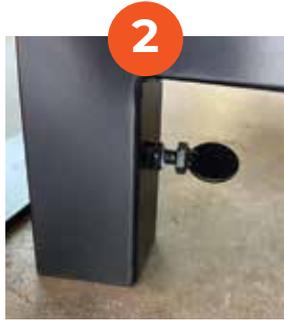


Remove all remaining bubble wrap and velcro tabs from the umbrella and dispose of thoughtfully, the cardboard cartons can be recycled.

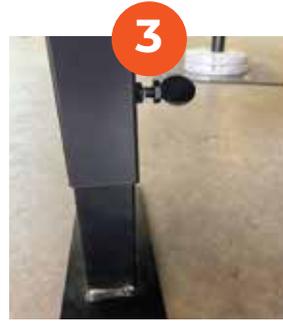
## WIND BARRIER ASSEMBLY



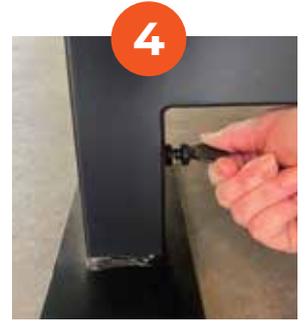
1  
Unpack wind barrier and unpack the feet.



2  
Ensure the locking screw is unwound.



3  
Insert the foot into the wind barrier.



4  
Secure the foot by fastening the locking screw until tight.

### DOUBLE FOOT

We suggest using the double foot to create a stable corner of wind barriers, or to connect the barriers in a single line.



### WEIGHTS

We recommend adding a weight plate or black shot bag per foot to the base. Pre-drilled holes in the feet allow the wind barrier to be bolted to the ground. Store wind barriers in a safe area in adverse weather.



# WARNING

**UPON RECEIVING YOUR UMBRELLAS  
ENSURE NYLON STOPPERS ARE INSTALLED CORRECTLY  
FAILURE TO DO SO WILL VOID YOUR WARRANTY**



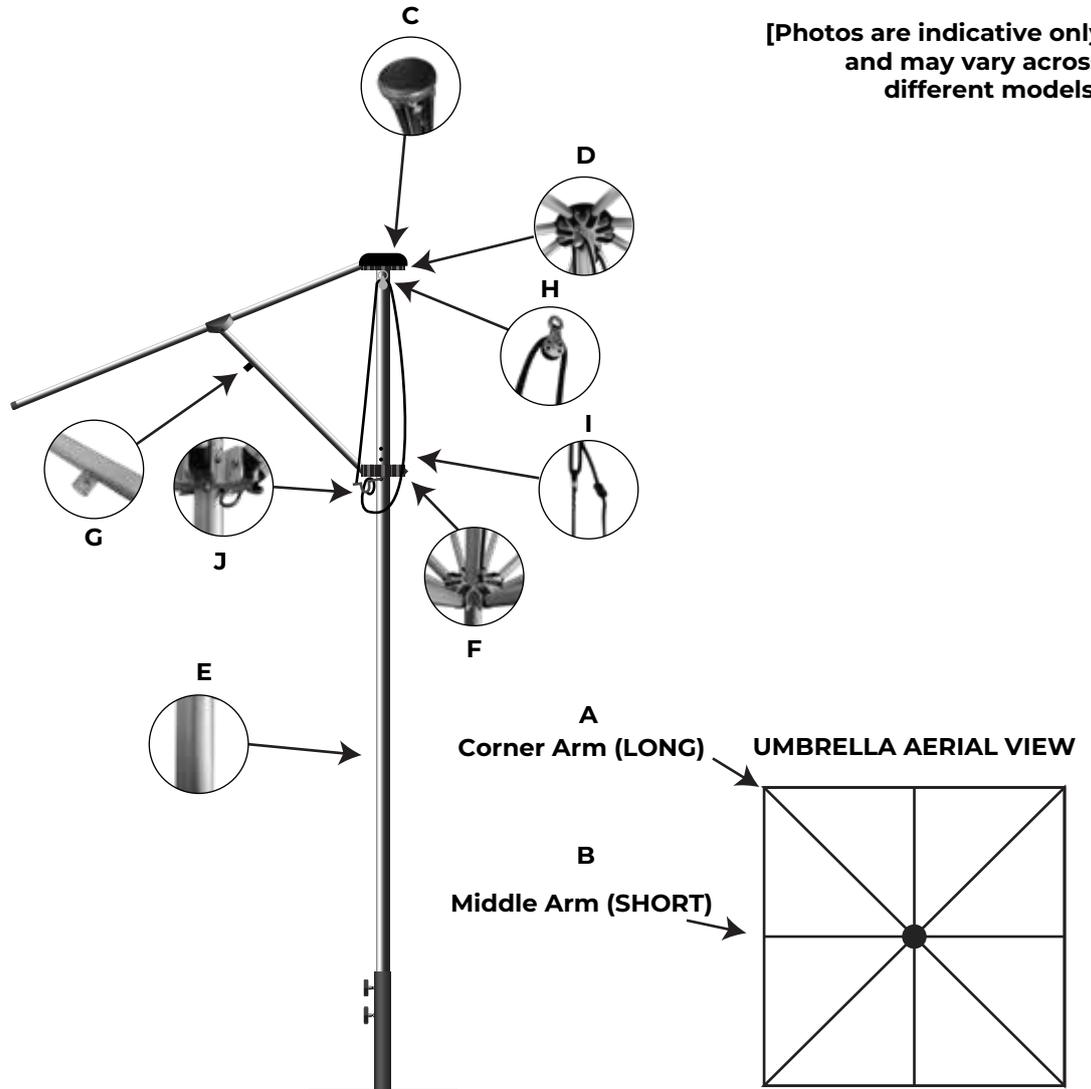
Using a small step ladder install the small nylon stoppers in the holes on each rib using the hex tool provided in the plastic bag attached to the pole.

4 stoppers for 2m and 8 stoppers for the 2.4m and 3m.

NOTE: installing the stoppers will make the opening of the umbrella easy every time.

# DELUXE UMBRELLA SPARE PARTS FORM

[Photos are indicative only and may vary across different models]



Complete parts 1, 2, 3 and 4

## 1 CUSTOMER DETAILS

Business Name: _____	Contact Name: _____
Phone: _____	Mobile: _____
Email: _____	
Delivery Address: _____	Invoice Address: _____
_____	_____
Postcode: _____	Postcode: _____

# DELUXE UMBRELLA SPARE PARTS FORM

Please send your completed form (2 pages) to [sales@staroutdoor.com.au](mailto:sales@staroutdoor.com.au)  
**Payment is required prior to dispatch.**

Contact Name: \_\_\_\_\_ Phone: \_\_\_\_\_

**2**

## WHICH MODEL?

Refer to page tick the appropriate model:

**MK2**

**MK3**

**[Photos are indicative only and may vary across different models]**

**3**

### CLASSIC COMMON PARTS

ITEM	NAME	PHOTO	PRICE	QUANTITY
<b>A</b>	Corner Umbrella Arm (LONG)		<b>\$34.50</b> PRICE PER UNIT	
<b>B</b>	Middle Umbrella Arm (SHORT)		<b>\$28.00</b> PRICE PER UNIT	
<b>C</b>	Crown		<b>\$5.00</b> PRICE PER UNIT	
<b>D</b>	Top Bracket		<b>\$35.00</b> PRICE PER UNIT	
<b>E</b>	Pole		<b>\$110.80</b> PRICE PER UNIT	
<b>F</b>	Lower Slider Bracket		<b>\$35.00</b> PRICE PER UNIT	
<b>G</b>	Nylon Stopper (4 or 8 Pack)		<b>\$9.00</b> PRICE PER UNIT	
<b>H</b>	Pulley		<b>\$3.65</b> PRICE PER UNIT	
<b>I</b>	Rope		<b>\$6.50</b> PRICE PER UNIT	
<b>J</b>	Pin		<b>\$4.80</b> PRICE PER UNIT	

EXCL. GST & FREIGHT

## MK2 V MK3 DELUXE UMBRELLAS

There are 2 key measurements that will help you determine whether your umbrella frame is a MK2 or MK3. Measuring the umbrella arms from the end of the arm to the nylon stretcher fitting.

These measurements are easy to check once the umbrella canopy has been taken off and the frame is laying on a flat surface.

### MK2

**Corner arm: 1020mm**



**Middle arm: 520mm**



### MK3

**Corner arm: 1070mm**



**Middle arm: 570mm**



## HOW TO REPAIR DELUXE UMBRELLA



What you will need:  
Drill with Philips head attachment  
Screw driver -  
Philips head spanner

1



Remove the bolt from the  
end long rib and set aside bolt.

2



Open up umbrella.

3



Remove the bolt from end of stretcher  
and set aside bolt.

4



Remove bolt from rib end at the  
Crown of the umbrella (Top).  
You will need a ladder.

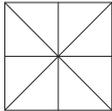
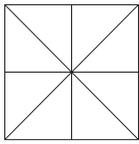
Repeat steps 1-4,  
if multiple ribs are broken.

Then insert new poles following  
the steps in reverse.

4, 3, 2, 1

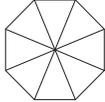
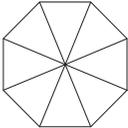
# UMBRELLA BASE FIXINGS REPORT

## STAR OUTDOOR CAFE UMBRELLAS – SQUARE UMBRELLA RANGE

UMBRELLA SIZE	OPTION 1		OPTION 2	
	BASE SYSTEM	ADDITIONAL WEIGHT REQUIRED	BASE SYSTEM	BORED PIER
 2.0m x 2.0m SQUARE	450mm SQUARE (MK5)	25kg	IPS	ø300 x 550mm DEEP N32 CONCRETE.
 2.4m x 2.4m SQUARE	450mm SQUARE (MK5)	40kg	IPS	ø300 x 550mm DEEP N32 CONCRETE.
 3.0m x 3.0m SQUARE	600mm SQUARE (MK6)	40kg	IPS	ø300 x 550mm DEEP N32 CONCRETE.

NOTE: THESE TABLES ARE BASED ON THE NOMINATED UMBRELLA SYSTEMS BEING NON-PERMANENT AND DISMANTLED AT WIND SPEEDS GREATER THAN 20 KNOTS (37 km/h).

## STAR OUTDOOR CAFE UMBRELLAS – OCTAGONAL UMBRELLA RANGE

UMBRELLA SIZE	OPTION 1		OPTION 2	
	BASE SYSTEM	ADDITIONAL WEIGHT REQUIRED	BASE SYSTEM	BORED PIER
 2.4m OCTAGONAL	450mm SQUARE (MK5)	25kg	IPS	ø300 x 550mm DEEP N32 CONCRETE
 3.0m OCTAGONAL	600mm SQUARE (MK6)	30kg	IPS	ø300 x 550mm DEEP N32 CONCRETE.

### NOTES:

- DESIGN BASED ON A MAXIMUM WINDSPEED OF 20 KNOTS. FORCES DETERMINED IN ACCORDANCE WITH AS 1170.2.
- ADDITIONAL WEIGHT REQUIREMENTS ARE IN ADDITION TO THE SELF-WEIGHT OF THE UMBRELLA FRAME, BASE AND CANOPY.
- ADDITIONAL WEIGHTS SPECIFIED IN TABLES TO BE PROVIDED OVER THE BASE SYSTEM.
- 450mm SQUARE BASE SYSTEM (MK2) AND 650mm SQUARE BASE TO BE AS PER STAR OUTDOOR SPECIFICATIONS.
- THE ABOVE REQUIREMENTS DO NOT ALLOW FOR ANY VANDALISM LOADS EXERTED ON THE UMBRELLA FRAMES.
- DESIGN OF IPS (IN PAVEMENT SOCKET) SYSTEM IS BY OTHERS.
- BORED PIER FOOTING DESIGN IS BASED ON FOUNDING INTO FIRM NATURAL GROUND. REFER TO BORED PIER NOTES. BASE OF IPS IN-GROUND SOCKET TO EXTEND TO 50mm FROM BASE OF FOOTING, CAST IN.

B	3m UMBRELLA BASE AMENDED TO 600mm SQ	NB 29.05.19
A	PRELIMINARY ISSUE	NB 06.05.19
ISSUE	AMENDMENTS	INT./DATE



### ENGINEERING CONSULTANTS

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SOMERTON PARK, SA 5044 > STRUCTURAL  
TELEPHONE: (08) 8295 8677 > COASTAL  
www.magryn.com.au > CIVIL

CLIENT:  
**STAR OUTDOOR**

PROJECT:  
**UMBRELLA BASE FIXINGS**

PROJECT ADDRESS:  
**GENERAL USE**

TITLE:  
**TABLES**

CONTRACTORS MUST VERIFY ALL DIMENSIONS PRIOR TO ANY OFF SITE FABRICATION		
DESIGN: NB	SCALE: AS SHOWN	DATE: MAY 2019
SHEET SIZE: A3	DRAWING NUMBER: 19179-2	REVISION: B