SKYSPANSHADE

COMMERCIAL UMBRELLAS AND SHADE STRUCTURES

Vista Fixed Base

Cantilevered Umbrella

Method Statement

Installation

Components

1 x Main column
1 x Boom arm
1 x Canopy on arms & mechanism (head unit)
2 x M16 x 45mm s/s bolts (main arm spigot)
2 x M16 S/S washers (main arm spigot)
6 x M12 S/S nyloc nuts
6 x M12 S/S washers
1 x Jack winding handle
1 x Foam arm spacer
1 x Umbrella securing strap
6 x Poly tube 100mm (for protecting paint work)

Required Tools

1. Hold down bolt assembly (consisting of 6 x M16 @ 300mm threaded rod, 12 x M16 nuts and square washers and 6 dome nuts)
2. Chemset 101 - 1 tube per 4 umbrellas with a nozzle per hole
3. Spanners and sockets
4. Torque wrench
5. Hammer drill
6. Step ladder (3mtr) & (2mtr)
7. White cleaning cloths
8. Bucket with PH Neutral chemical to wipe canopy down
9. Silicone
10. Grout (non shrink)
11. Small vacuum or blower
12. Spirit level

Installation of this umbrella can be done with 2 people if using a Skyspan Cantilever installation Jack, 3 people if installing with no mechanical aids.

Hold Down Bolts

1. Using the supplied template of the column base, place the template onto the installation surface in the desired orientation (keeping in mind of the direction of the stud pattern for desired orientation) and drill holes with an 18mm drill bit to a minimum of 220mm deep. Clean all dust completely from the hole using a hole brush and compressed air. Follow attached Chemset 101 Installation Guide method statement for installation of 6 x M16 hold down bolts.

NOTE: Use the template to line up the bolts as you go, once done leave bolts to set as per chemset label.

2. Wind on M16 levelling nuts/washers and set topside to be 45mm off the footing to allow for levelling and sufficient grout for structural integrity, Use the supplied thread protectors to slide over the hold down bolts to prevent any paint damage when the columns are seated on the levelling nuts. **(60mm is needed for fixing off the column, this is including the thickness of column base 1 x structural washer, 1 x structural nut, 1 x dome nut)**

Main Frame

Unpack crate. Check that all umbrella components (as per page 2) are there.

1. Position main column so that the main arm spigot is facing in the desired orientation and remove stud protection sleeves. Once positioning is correct, bolt down. If two or more cantilevers are to be placed in a row the column orientation should be exactly parallel to each other. (If standard link panels are to be fitted, the spacing of the centre of columns is the width of the canopy plus 100mm apart).

2. Slide the main arm on to main column spigot and then level canopy plate horizontally on angled boom to ensure head unit sits level. Once achieved insert 16mm x 45mm stainless bolts onto opposing holes in spigot with the 16mm washers backing the nylon washers then tighten to correct torque to lock in place and seal join with silicone.

Head Assembly

This part may require 3 people if you do not have an installation jack as the assembly is very heavy.

1. Looking at the top of the jack assembly you will see an arrow with the column marked. Ensure this arrow directly faces towards the main column.

2. Lift the assembly up to the top plate on the main arm and guide the mounting bolts through the top plate, loosely fitting the M12 nyloc nuts with washer to support the assembly.

3. Partially wind umbrella up while supporting all arms and checking cable within corner plate, canopy position, centering and align of arms with associated seams. Continue to wind until canopy is reasonably taut and check the canopy is sitting evenly over the top plate (this step is to allow canopy to seat on the frame properly).

4. Retract the umbrella and fully tighten the nuts on the top plate to correct torque and wind the umbrella up until the edge cable is taut.

5. Engage the anti-creep latch.

6. Grout the gap under the base plate with non-shrink grout and ensure the umbrella is clean.

NOTE: Always engage anti creep lock under mechanism to stop canopy creeping down.
Please keep foam arm keeper and umbrella strap for use when umbrella is retracted.