

# TR850 Terrace awning

The terrace awning is a motorised sun shading system with a large projection. A spring system built into the front rail ensures that the fabric is sufficiently taut, both when moving as well as stationary. The framework is sufficiently strong that it can remain permanently erected. Provided it is fitted with an angle of fall of at least (15°) it can also be used as protection against moderate rainfall. The TR850 awning has been specially designed to be placed on terraces of cafes, restaurants and domestic properties.

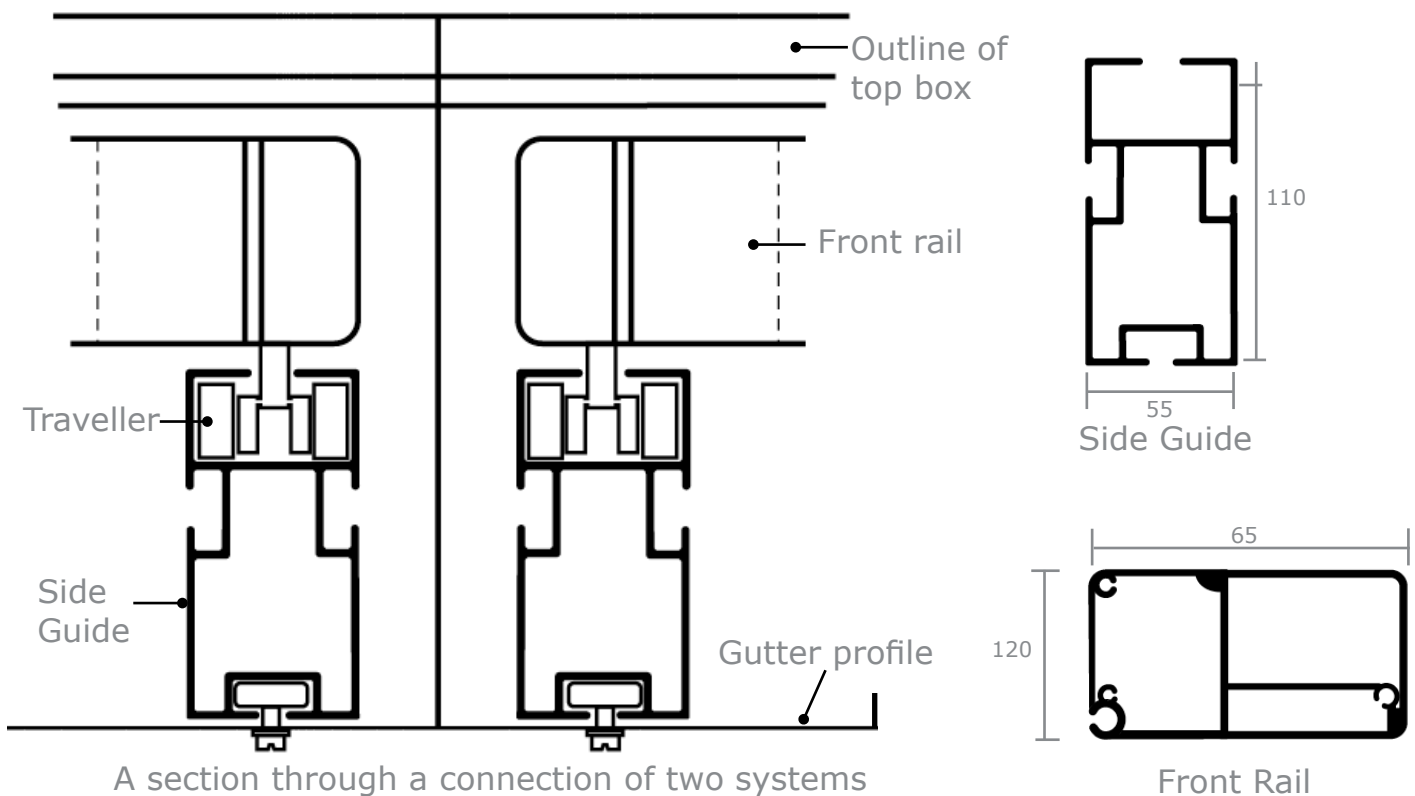
**The fabric-** Manufactured from 100% acrylic resists mould and rot, with water resistant and dirt repelling qualities. It is available in a variety of colours and colour combinations.

**The side guides-** The guides are manufactured from thick-walled extruded aluminium. On the inside of the guides the drawing cable is concealed and runs back to the roller. The side guides also support the terrace awning on the front side. An cast aluminium bend piece with a radius of 150mm allows the fabric to be drawn past the bend to the vertical position.

**The box-** The enclosed aluminium box is 225x285mm it provides complete protection of the fabric.

**The base supports-** This support is galvanised steel and has a base of 105x160mm. It is recommended that this is bolted to a concrete foundation, 30x30x60cm would be the minimum.

**Roller-** 78mm galvanised steel tube.

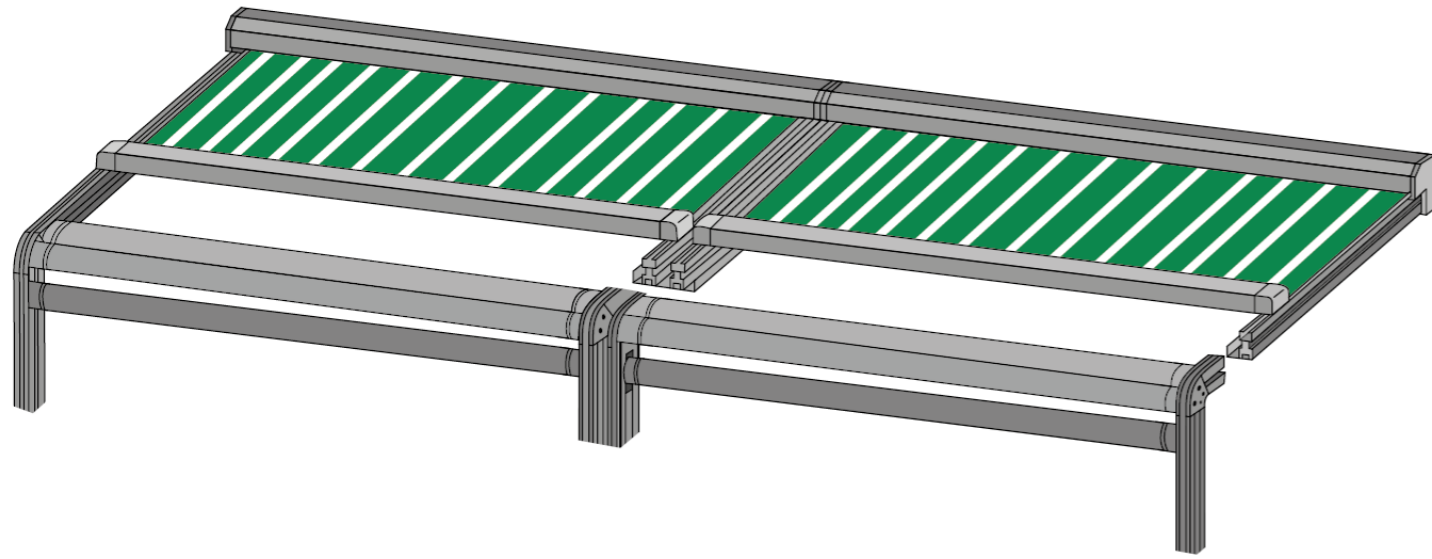


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**The front rail** - Consists of two interlocking extruded aluminium profiles with dimensions of 65x120mm.

**The traverser** - At the ends of the front rail there is a traverser with 4 nylon conical wheels. These wheels run on stainless steel shafts.

**The Safety bar** - A safety bar is recommended for use at windy locations. This consists of a square extruded profile, measuring 55x55 mm. The bar follows the front rail to half way down the projection and prevents flapping of the fabric with wind gusts. At both ends of the bar is a traverser.

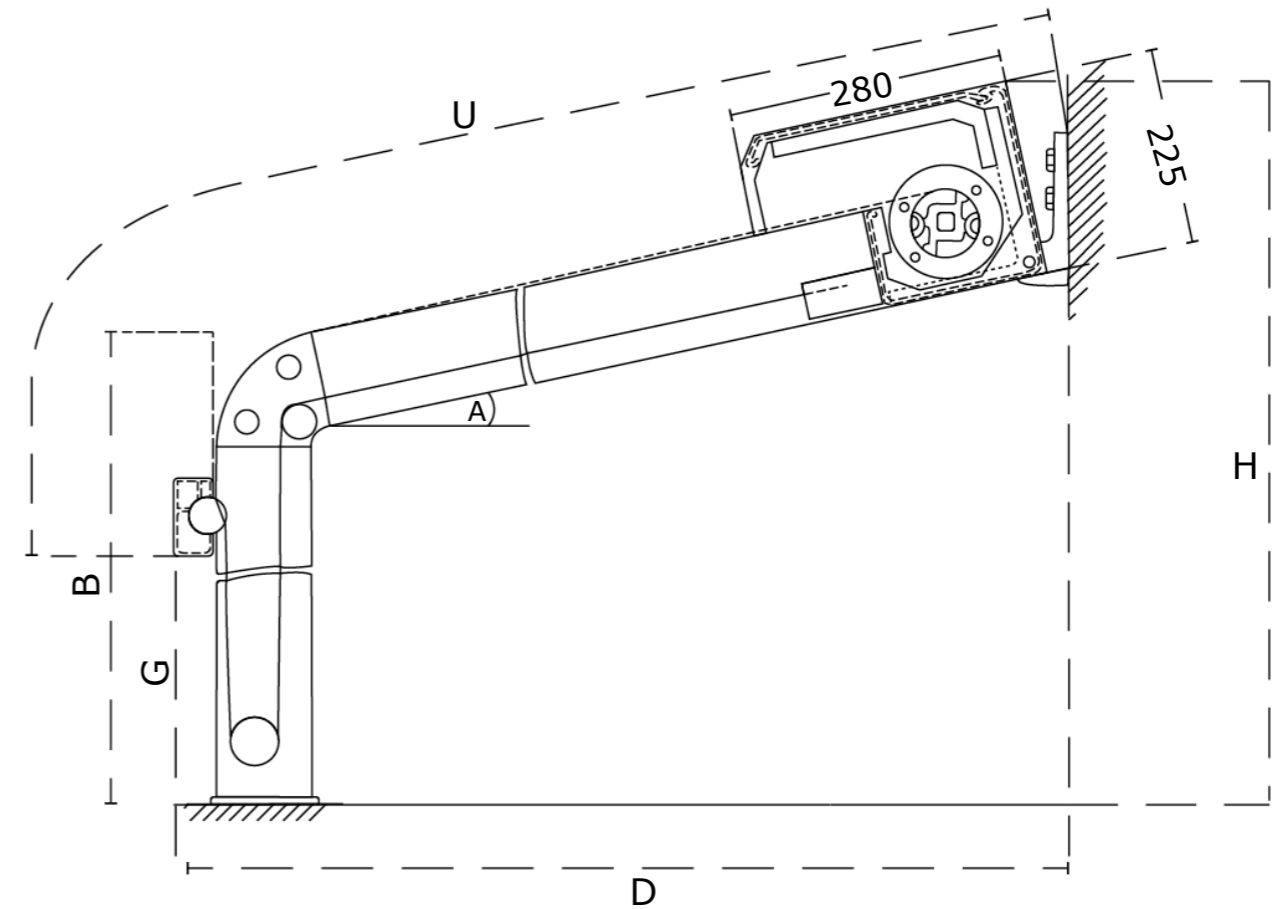
**The draw cable** - To pull the front rail, the system has a 2.5mm stainless steel drawing cable.

**Tension spring** - The spring provides permanent tautness for the fabric and is concealed in the front rail. With large fabric surfaces areas, two springs are used.

**The guiding rollers** - The guide rollers consist of extruded 80mm diameter aluminium round tubes. The rollers turn on nylon bearings and stainless steel pins. In the bend section 3 rollers are used. In the middle of the drop one or more guide rollers can be provided for extra tautness.

**Guttering profile** - To avoid the penetration of water, a supplementary guttering profile can be added between two fabrics on the underside of the side guide profiles and at the side. The central guttering has a width of 320mm and upturned edges of 20mm. The side has a width of 160 mm.

**The motor** - The motor is located in the roller. It is 240v single phase with a maximum current requirement of less than 1 amp. It is supplied with an 80cm "flying" lead. This should be connected to a junction box or plug adjacent to the headrail to facilitate removal for maintenance. The motor has a four core cable Neutral, Earth, Supply for lower and Supply for raise.



H=Height of wall  
 B=Height at bend  
 G=Height to maximum drop  
 U=Rollable fabric length  
 D=Projection  
 A=Angle of fall

### Dimensions

Minimum width: 2m  
 Maximum width: 5m  
 Maximum projection: 6m  
 Maximum fabric roll-out: 8.5 m  
 Maximum surface area of each Fabric; 40m<sup>2</sup>

