

# FA40 SERIES

## FOLDING ARM AWNINGS

by  **TURNILS**®



Turnils' folding arm awnings provide a range of contemporary external shade solutions for the best in outdoor living leisure.

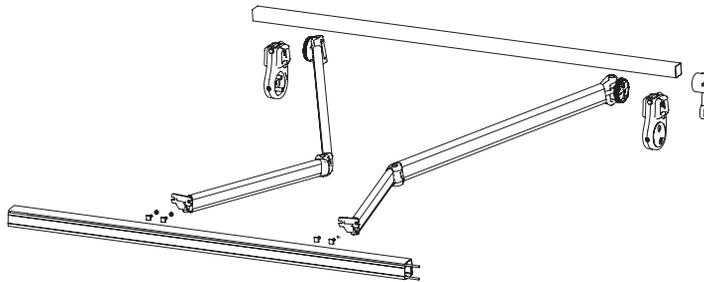
The array of customisation options available in the FA40 Series range offers a shade solution to suit any home or outdoor living space.

***Turnils' folding arm awnings provide a range of contemporary shade solutions for the best in outdoor living leisure.***

*Engineered and manufactured in Sweden, the FA40 Series is a new range of heavy-duty folding arm awnings designed for terraces, bungalows, balconies, kiosks, shops, restaurants and more.*

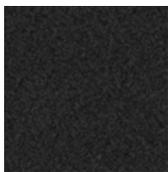
## Modular Design

The FA40 Series features a streamlined approach to design that allows the same components to be used across different models within the range, making it a favourite among awnings fabricators.



## Colour Options

The FA40 Series hardware is available in three standard colours – black, silver & white.



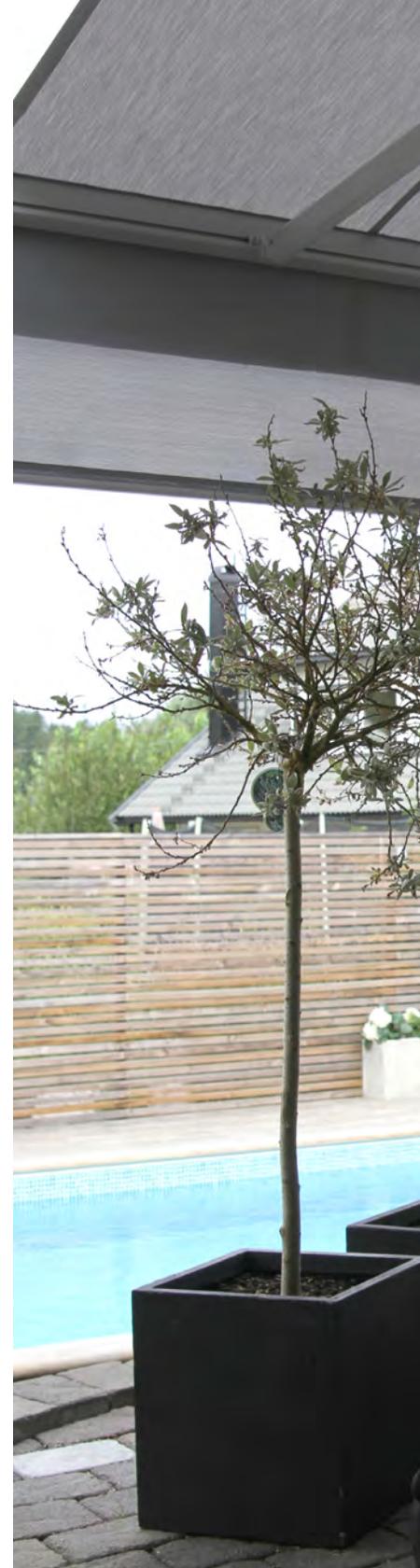
Black



Silver



White





## Operation

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Easy to operate, the FA40 Series offers external operation by gear or motor and internal operation by motor. The motor can incorporate automatic controls, such as remote control or sun and wind sensors.



## Installation

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FA40 Series awnings can easily be installed directly onto the wall or under the eaves, and flexible roof brackets are also available.

## Warranty

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The FA40 Series by Turnils is backed by a 3 year hardware warranty.



## FA42

*A classic folding arm awning*



Representing the latest in Swedish modular design

## FA44

*European style & designer finishes*

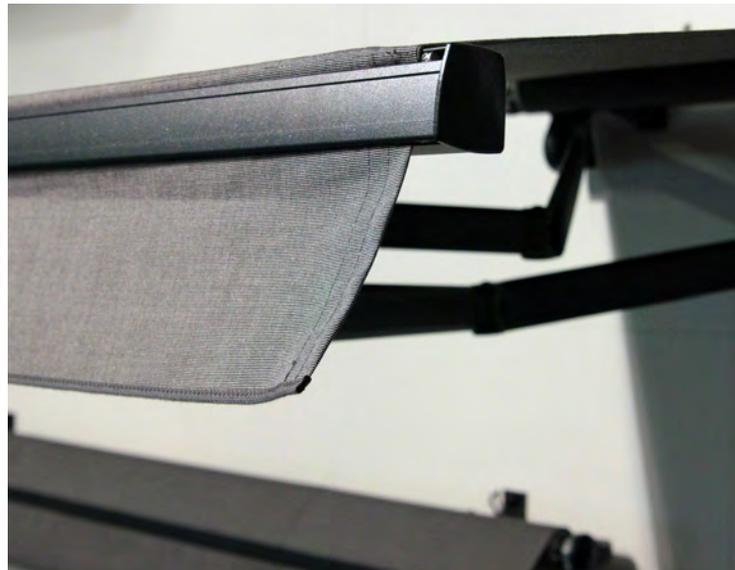


Features pressure die casted design end brackets

## FA45

*Ideal for narrow spaces*

Features cross-over arms enabling a larger projection on a narrow width awning, to create the same outdoor comfort and shade solution as offered by wider awnings



## FA46

### *Fabric beam for angled projection*

Features a fabric beam that creates an awning with good clearance under the inner part of the arm (allowing space for doors) with an excellent shading performance



## FA48

### *Compact semi-cassette design*

Features a semi-cassette for superior fabric protection and a streamlined finish

| DIMENSIONS (m)        | FA42         | FA44         | FA45        | FA46         | FA48        |
|-----------------------|--------------|--------------|-------------|--------------|-------------|
| Width: Min – Max      | 2.074 – 11.0 | 2.137 – 11.0 | 1.332 – 4.6 | 2.272 – 11.0 | 2.005 – 7.0 |
| Projection: Min – Max | 1.6 – 4.0    | 1.6 – 4.0    | 1.6 – 4.0   | 1.6 – 4.0    | 1.6 – 3.5   |

## Stability & Strength

Features Dyneema-tape connection over the knee & arm brackets (which improve stability and strength of the awning) and heavy-duty springs that provide excellent tension of the fabric. Dyneema is 15 times stronger than steel and 40% stronger than aramids on a weight-for-weight basis. UV, chemical and moisture resistant, Dyneema is a lightweight yet highly durable material.



## Pitch Control Option

Pitch control is available on the FA42, FA44, FA46 and FA48 models, to provide maximum shading comfort. The projection angle is adjustable (from  $-5^{\circ}$  to  $-40^{\circ}$ ) just by rotating the pitch control eyelets with the crank handle. For variable pitch, the unique easy-tilt function allows you to adjust the pitch angle when the awning is fully projected.



## Optional Roller Valance

Available in screen fabric up to approximately 2.4m, the roller valance is manually operated by crank handle. This option is available on the FA44, FA45, FA46 and FA48 models for awnings up to a width of 7m.



## Wind Classification – EN 13651



Wind class 3



Wind class 2



Wind class 1



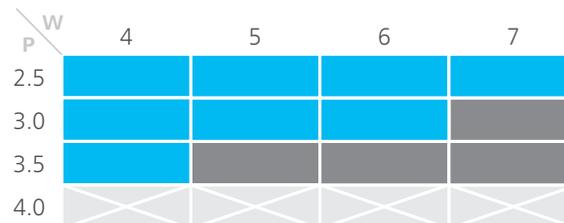
Not available

W = Width  
P = Projection

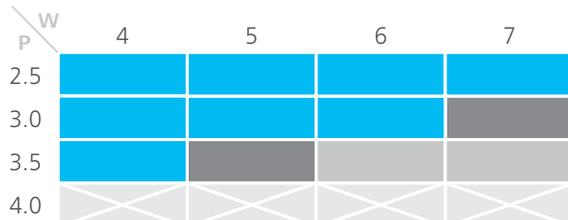
### FA42 / 44 / 45 / 46



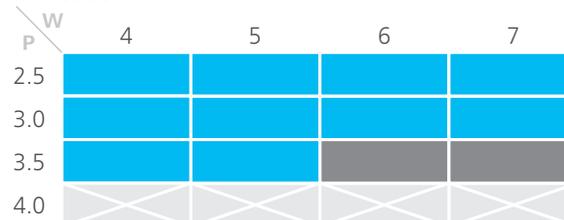
### FA42 / 44 / 46 with Pitch Control



### FA44 / 45 / 46 with Roller Valance



### FA48



| Class | Wind Strength (Beaufort) | Wind Speed (km/h) | Wind Speed (m/s) | Pressure (N/m <sup>2</sup> ) |
|-------|--------------------------|-------------------|------------------|------------------------------|
| 0     | 1-3                      | ≤ 19              | ≈ 5.3            | < 40                         |
| 1     | 4                        | 20-28             | ≈ 7.7            | 40                           |
| 2     | 5                        | 29-38             | ≈ 10.5           | 70                           |
| 3     | 6                        | 39-49             | ≈ 13.6           | 110                          |

Awnings must be mounted with the right amount of installation brackets and with suitable fasteners in order to match the specified wind classes.

## Optional Accessories

- Telescopic support
- Selection of hoods available on all models
- Crank handles available in a range of colours & sizes



## Solmatiz – Sunscreen Fabric

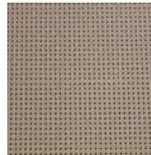
*For a complete folding arm awning solution combine your FA40 Series model with Solmatiz external sunscreen fabric from Mermet.*

Available in three openness factors, Solmatiz fabrics are:

- Fire retardant (M1, B1 B2 NFPA 701)
- Water, mould & fungus resistant
- Salt water & mildew resistant
- Colourfast 8
- PVC coated polyester with heat and UV light control properties to resist fading
- Suitable for both Commercial & Residential applications



**Solmatiz1** with an average openness factor of 0% comes in a range of the three most popular colours: Cream, Slate & Black and is available in a 300cm width.



**Solmatiz5** with an average openness factor of 5% offers a range of 8 modern colours that are easy to match with any exterior decor and is available in 250cm & 300cm widths.



**Solmatiz10** with an average openness factor of 10% for great UV protection – whilst still maintaining your view – is offered in 7 colours that coordinate perfectly with the Solmatiz5 colour palette and is available in a 300cm width.



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