

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.

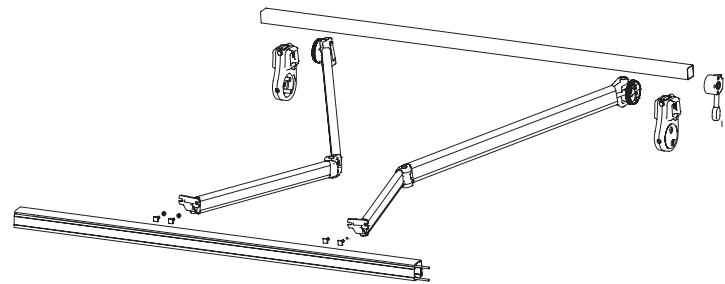
The array of customisation options available in the FA40 Series range offers a shade solution to suit any home or outdoor living space.

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.

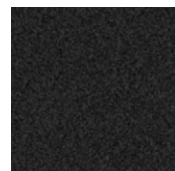
Modular Design

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

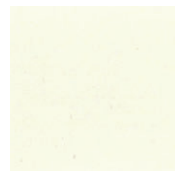
The FA40 Series hardware is available in three standard colours – black, silver & white.



Black



Silver



White



Operation

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

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

Warranty

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

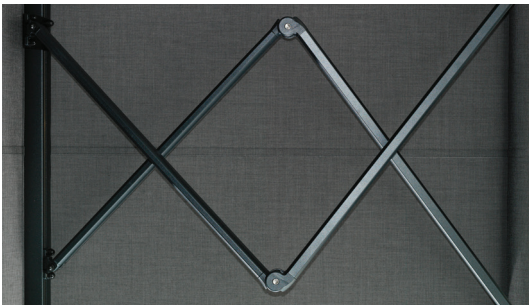


Features pressure die casted design end brackets

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	2.07 – 11.00	2.14 – 11.00	1.33 – 4.60	2.27 – 11.00	2.00 – 7.00
Projection: Min – Max	1.60 – 4.00	1.60 – 4.00	1.60 – 4.00	1.60 – 4.00	1.60 – 3.50

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.



Optional Roller Valance

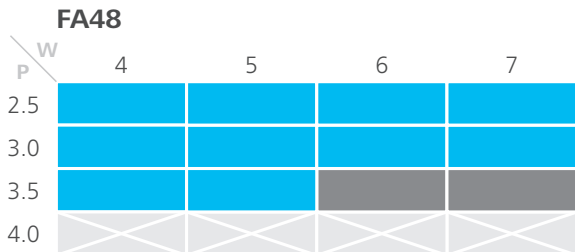
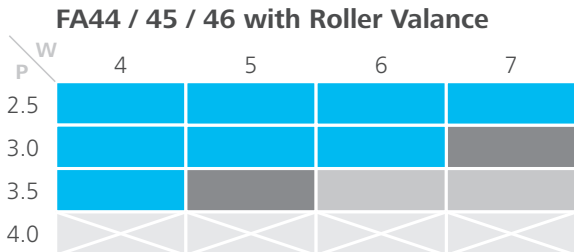
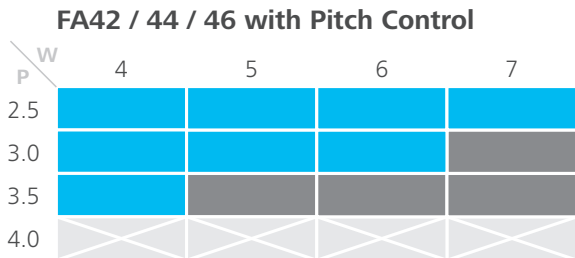
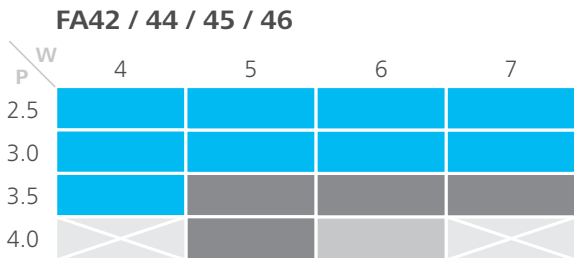
Available in screen fabric up to approximately 2.4m, the roller valance is manually operated by crank handle. This option is available on the FA44, FA45, FA46 and FA48 models for awnings up to a width of 7m.



Pitch Control Option

Pitch control is available on all models in the FA40 Series to provide maximum shading comfort. The projection angle is infinitely adjustable (from -5° to -40°) 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.

Wind Classification – EN 13651



Class	Wind Strength (Beaufort)	Wind Speed (km/h)	Wind Speed (m/s)	Pressure (N/m²)
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

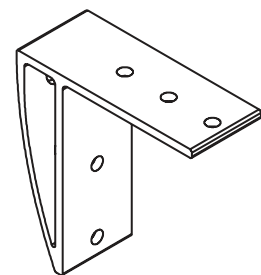
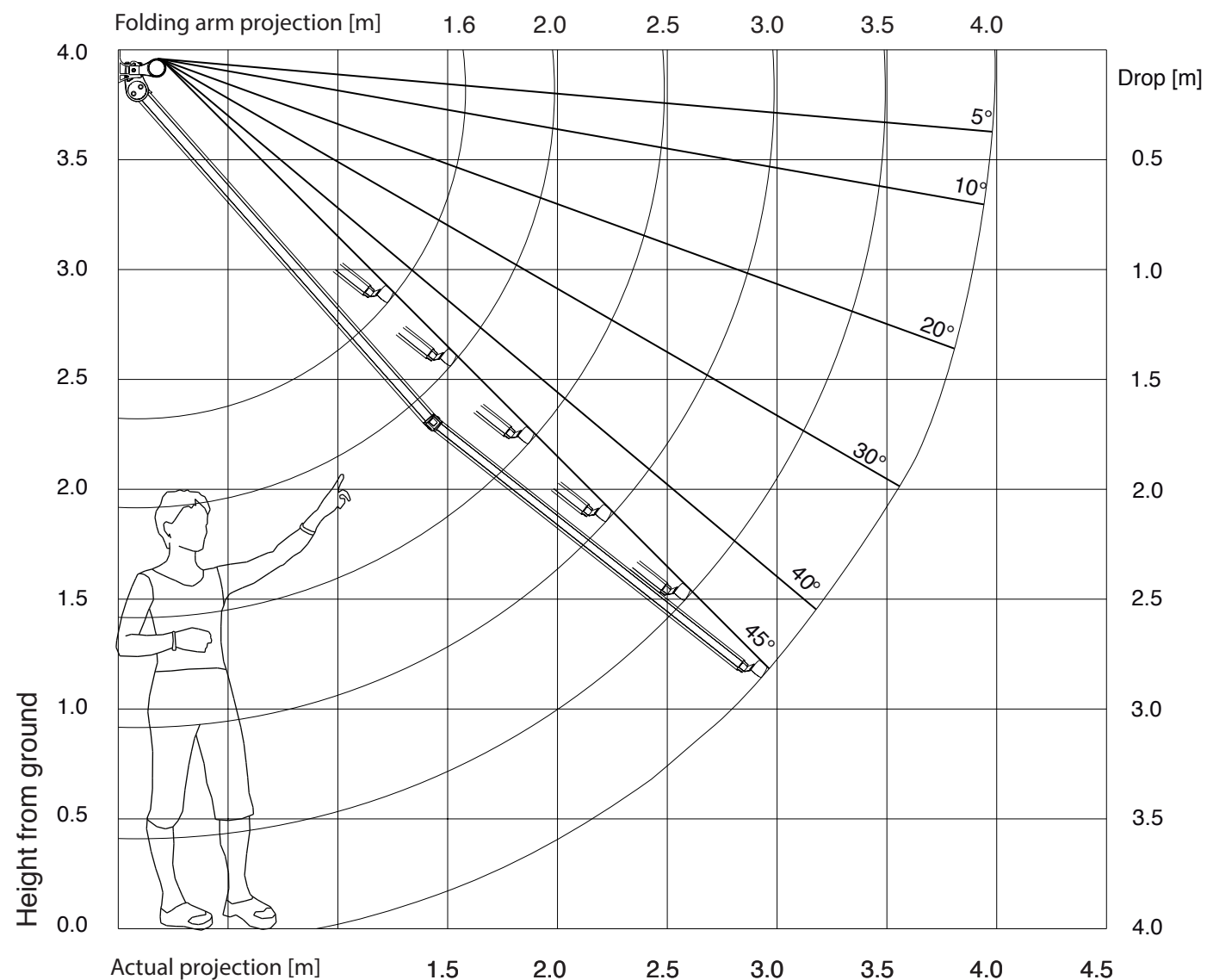
Awnings must be mounted with the right amount of installation brackets and with suitable fasteners in order to match the specified wind classes.

Optional Accessories

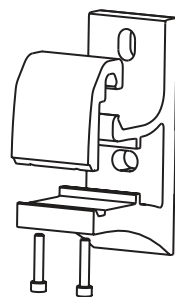
- Telescopic support
- Selection of hoods available on all models
- Crank handles available in a range of colours & sizes



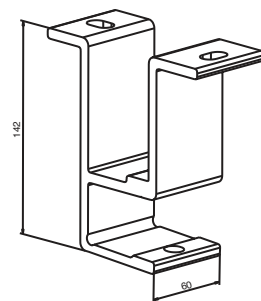
Projection and pitch diagram FA44



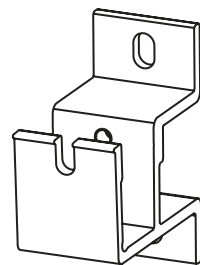
Combi Roof Bracket



Wall Bracket



Roof Mount Bracket



Universal Bracket

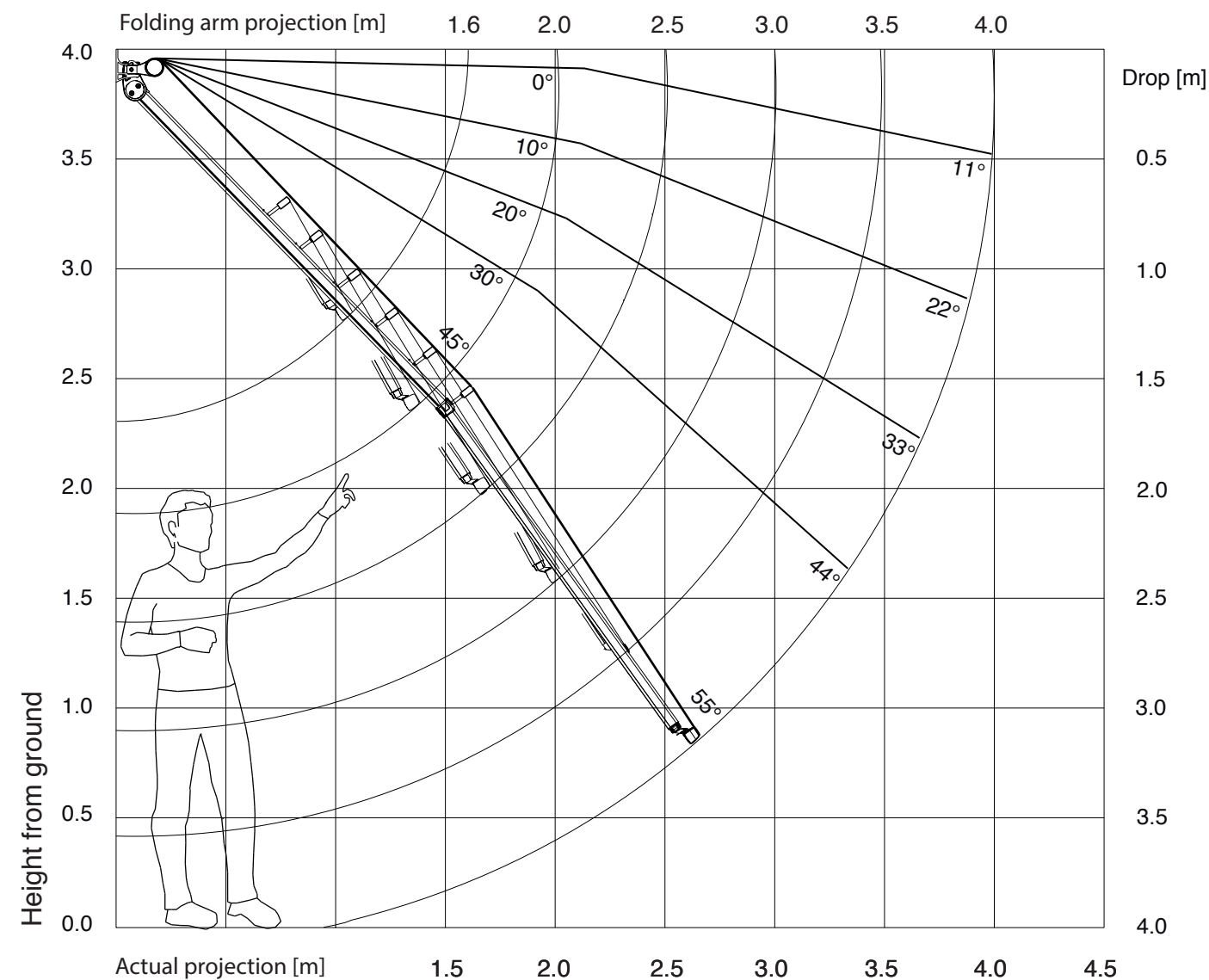
Even without the addition of the adjustable pitch control option with the FA40 Series folding arm awning, the pitch can be setup to suit your needs at the point of installation.

These charts demonstrate the expected height from the ground that the awning will need to be installed at, depending on the application requirements and the desired height of the front rail.

The degrees listed are maximum and minimums and need to be adjusted only by the installer as incorrect adjustment can cause failure.

The FA40 Series Folding Arm Awning is not designed for use against rain, however if set at a steep enough pitch, it should help prevent the water pooling and causing damage to the installation.

Projection and pitch diagram FA46



Solmatiz – Sunscreen Fabric

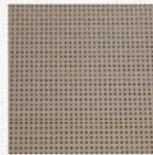
For a complete folding arm awning solution combine your FA40 Series model with Solmatiz external sunscreen fabric from Mermet.

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.

