External Venetian Blinds

Contents:

Rolled Edge Slat

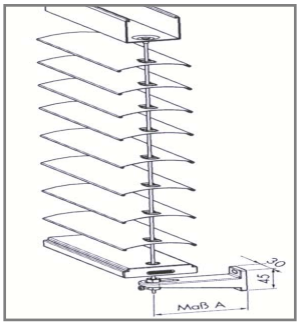
Slat Widths: 60/ 80

Available Colours: Choose from 24 Standard RAL colours

Rolled edge profile is the most popular style due to its concave-convex blade with the advantage of a rolled over edge for extra wind stability. The blade rotates through 160 degrees.

Features:

- Suitable for most applications.
- Highly wind-stable (12-15 m/s).
- Daylight guidance feature available.
- Ladder locked slats.
- Extensive customizable features.
- Wide span between support cables.
- Guide rails or guide cables.



Cable Guidance: A2

Available thickness: 3.3mm

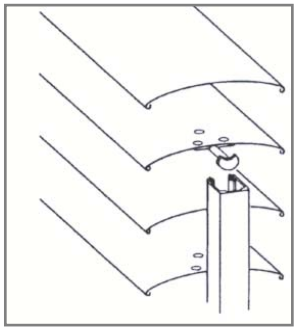
Available colours: Black/ Transparent

Polyamide coated stainless steel guiding cables with an Ø3.3mm are fixed in to the top rail of the external venetian blind and run through perforations of all slats to the end rail and are fixed to the window or wall by means of a suitable aluminium tension angle.

Features:

- Cable guides allow lateral guidance control for external venetian blinds with minimal visual impact.

External Venetian Blinds



Rail Guidance: A6

Available Types: Various

Available colours: Natural anodized/ RAL powder coat range

A range of extruded aluminium rail guides are available in various profiles to virtually suit any application.

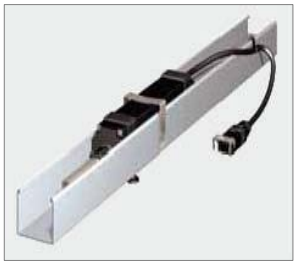
Features:

- A black plastic sealing strip is inserted for sound absorption.
- Every third slat on a venetian blind is fixed with guiding nipples on both ends made of reinforced polyamide.
- Guide rails are the most stable form of guidance.

Crank Drive: C

Maintenance free bevel gears drive with an integrated brake.

Crank operation: Lifting and tilting of blinds is done via an articulated crank and crank rod made of an aluminium tube.



Motor Drive: E

Maintenance-free 230V covered electric motor with integrated limit switches and thermal protection switch

Motor operation: Lifting and tilting of the blinds is done via a wall switch/ remote control or Warema Control System (with connection into BUS systems if required)

Cable guidance

Tension cable bracket
- Type S 01

Tension cable bracket
- Type SH 02 with cross plate

Tension cable bracket for mullion-transom (MT) facades
- Type SF 21

Tension cable bracket for mullion-transom (MT) facades
- Type SF 22

Tension cable bracket for mullion-transom (MT) facades
- Type SG 21

Tension cable bracket for mullion-transom (MT) facades
- Type SG 22

Tension cable bracket for floors and window sills
- Type S 04

Tension cable bracket for corner installations
- Version 1

Tension cable bracket for corner installations
- Version 2

Spring tension device

To compensate for lengthwise extension of the tension cable, integrated "unobtrusively" into the top rail of the external venetian blind

Tension bracket, large

Guide rails

Type 1, angled

- 25 x 18 mm
- Wall-mounted

Type 2, angled

- 25 x 18 mm
- Fits on guide rail brackets

Type 3, angled

- 50 x 18 mm
- Central guide rail to guide two blinds
- Fits on guide rail brackets

Type 4, round

- Ø 32 mm
- Fits on guide rail brackets

Type 7, round

- Ø 52 mm
- For use with self-supporting external venetian blinds

Type 8, round

- Ø 52 mm
- Central guide rail to guide two blinds
- For use with self-supporting external venetian blinds

Type 9, angled

- 25 x 50 mm
- For use with self-supporting external venetian blinds

Type 10, angled

- 50 x 50 mm
- Central guide rail to guide two blinds
- For use with self-supporting external venetian blinds

Fascia panel

- To reduce lateral incidence of light

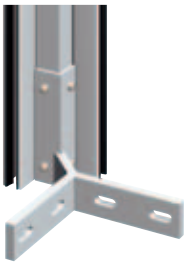
Guide rail brackets

H 1

- Bracket for guide rail type 1, 2, 3, 4

H 101

- Bracket for guide rail type 7, 8, 9, 10



Corner bracket version 1

- Bracket for 90° external corner with 40 x 40 mm square tube and guide rail type 1

Cover panels

(Pelmet Types)

Cover panel ABL 01

- Angular cover panel, folded

Cover panel ABL 02

- Angular cover panel, with upturn beam

Cover panel ABL 03

- Angular cover panel, folded with upturn beam

Cover panel BL 04

- Angular cover panel, folded, sloped

Cover panel ABL 05

- Gallery cover panel

Cover panel ABL 06

- U-shaped cover panel, folded

Cover panel BL 07

- U-shaped cover panel, sloped on one side

Cover panel BL 08

- U-shaped cover panel, folded, angled on both sides

Cover panel BL 09

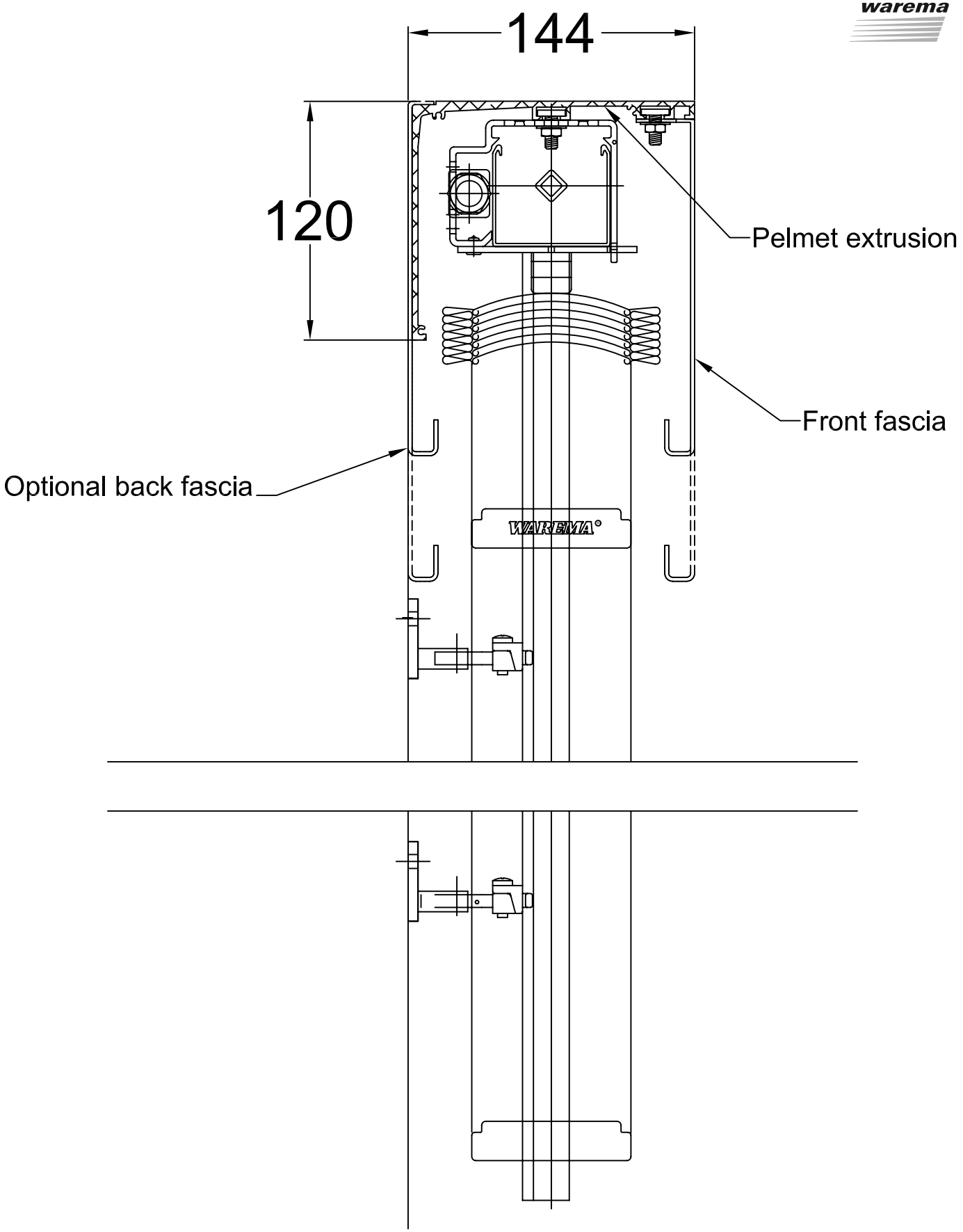
- Round-shaped cover panel, folded

Cover panel BL 31

- U-shaped cover panel, folded, to accommodate baseboards
- Optional 8 mm polystyrene baseboard available

Cover panel, special version, with perforations, grooves or special folds

- Available on request



Detail Type ABL Pelmets

External Venetian Blinds

Data Tables for Rolled edge slats

Stack Height Table for rolled edge slats when fully retracted																	
Operation	Slat width [mm]	Guidance	Type	External Venetian Blind Height / Drop (including Stack) [mm]													
				1,400	1,600	1,800	2,000	2,200	2,400	2,600	2,800	3,000	3,200	3,400	3,600	3,800	4,000	5,000
Motor	60	Cable/ Rail	E 60 A2/A6	215	230	245	260	275	290	305	325	340	355	370	385	400	415	490
Motor	80	Cable/ Rail	E 80 A2/A6	195	205	220	230	245	255	270	280	295	305	320	330	345	355	415
Crank	60	Cable/ Rail	C 60 A2/A6	195	210	225	240	255	270	285	300	315	330	350	365	380	395	470
Crank	80	Cable/ Rail	C 80 A2/A6	175	185	200	210	220	235	245	260	270	285	295	310	320	335	395

Stack heights are approximate values; for technical reasons these may deviate above or below the actual dimensions

External venetian blinds with work setting: *Stack is 7mm higher if the bracket (article no.551012) is required for installation to the ceiling or lintel.*

External Venetian Blinds

Data Tables for Rolled edge slats

Maximum / Minimum Dimensions											
Operation	Slat width [mm]	Guidance	Type	Single units				Units linked on a common drive		Number of blinds	Average weight [kg/m²]1)
				Width [mm]		Height [mm]	Surface [m²]	Width [mm]	Surface [m²]		
				min.2)	max.			Central Drive			
Motor	60	Rail	E 60 A6	600	5000	5000	25	12000	26-30 3)	5	3
Motor	80	Rail	E 80 A6	600	5000	5000	25	12000	26-30 3)	5	3.1
Crank	60	Rail	C 60 A6	450	5000	5000	12	12000	12	5	2.7
Crank	80	Rail	C 80 A6	450	5000	5000	12	12000	12	5	2.8
Motor	60	Cable	E 60 A2	600	5000	4000	20	12000	26-30 3)	5	3
Motor	80	Cable	E 80 A2	600	5000	4000	20	12000	26-30 3)	5	3.1
Crank	60	Cable	C 60 A2	450	5000	4000	12	12000	12	5	2.7
Crank	80	Cable	C 80 A2	450	5000	4000	12	12000	12	5	2.8

· Special versions outside of these sizes may be possible subject to project requirement.

1) Cable strength of 450 N per tension cable .

2) Narrower slats may not run straight

3) Additional guide cables are required for widths in excess of 240 cm.