

AB CANOPY

- the next generation basket awning

www.abprofiling.no

Product description



ABcanopy is a patent pending basket awning, developed by ABprofilering as, which was launched in the autumn of 1989.

It is now distributed by most of the larger awning manufacturers and dealers in Norway.

ABawning is an innovation in relation to basket awnings built using the [old system](#) where the canvas and decorative edging were permanently affixed using staples.

ABawning has been developed such that that [canvas is pulled into tracks in the profile](#) as for ordinary drop arm awnings, where the front edge of the profile forms the decorative edging. This means that the canvas is form stitched and that the awning can be bench-produced, [flat-packed](#) and shipped as an ordinary awning.

The new technique allows ABawning to be produced in an amount of time approaching what ordinary awnings take, which makes for a short **delivery time** and a **low cost**.

Of all basket awning systems....

it is **only** ABcanopy that features the following benefits:

- * *Requires little space and low shipping costs*
- * *Far more powerful profiles*
- * *The canvas cannot be torn by the profile*
- * *Decorative edging cannot be torn off*
- * *Because the arms can be pushed into the awning, it can be packed and shipped as an ordinary awning*
- * *Damages during shipping are nearly eliminated.*
- * *The service cost is reduced by approx. 60-90%, because the canvas and all parts are now replaced on-site*
- * *The text field can be used as an active advertisement and replaced on-site such that the customer can have multiple text fields with different messages.*

For residential dwellings.

Basket awnings will be continually more popular as sun shading for residential dwellings. Because it shades the sun on the side, decorates the facade and is a more correctly designed awning, the basket awning will be increasingly taking over the market from *flat awnings*.

Basket awnings are in many instances the best choice for an awning.

Awning for shops.

ABawning as shop profiling and an advertising sign.

In addition to the above-mentioned benefits, the awning can be delivered with transparent reinforced PVC canvas. This type of awning is especially well-suited for towns and urban areas with a high amount of air pollution, because it is easy to keep clean.

Under the awning and behind the text field, a light fitting can be mounted so that the awning can also function as a lighted sign while simultaneously lighting up the display window.

Dimensional table for stepped type No. 2						Dimensional table for quarter-arch type No. 4					
Len	Misc. dims				No. field	Len	Misc. dims				No. field
A	B	C	D	V		A	B	C	D	V	
50	55,4	37,2	19,9	3		50	46,7	50	23,1	3	
60	67,8	44,6	24,4	3		60	56,7	60	28,3	3	
70	80,2	52,0	28,9	3		70	66,7	70	33,5	3	
80	92,6	59,4	33,4	3		80	76,7	80	38,6	3	
90	104,9	66,8	38,0	3		90	86,7	90	43,8	3	
100	117,3	74,2	42,5	3		100	96,7	100	49,0	3	
110	129,7	81,6	47,0	3		110	106,7	110	54,2	3	
120	130,9	92,5	38,8	4		120	114,5	120	44,4	4	
130	142,5	100,2	42,3	4		130	124,5	130	48,3	4	
140	154,1	107,9	45,7	4		140	134,5	140	52,2	4	
150	165,7	115,6	49,1	4		150	142,2	150	44,6	5	







Software and Laser cutting of awning fabric

From January-2016

Our software automatically generates CAD file sent to the cutting table.

ABprofiling as - ABbasket-awning calculation software

File Tools

Order number:

Customer Name:

Street:

Address:

Zip code:

City:

Model:

Width:

Projection:

Corner:

Quantity:

Scallop:

Profile:

Fabric:

Angles: 17, 18, 19, 36

Design:

Manufacturer:

Operation: ☒ Cord ☐ Fixed list

Packaging: ☒ Cardboard ☐ Plastic

Order number:	Customer	Awning type	Fabric	Width	Projectio	Fields	Quantity
ttest	ABprofiling As	ABkurv nr 2 <V4>	Acryl 300gr	200	120	4	1
ttest	ABprofiling As	ABkurv nr 4 <V5>	Acryl 300gr	200	150	5	1



No more staples

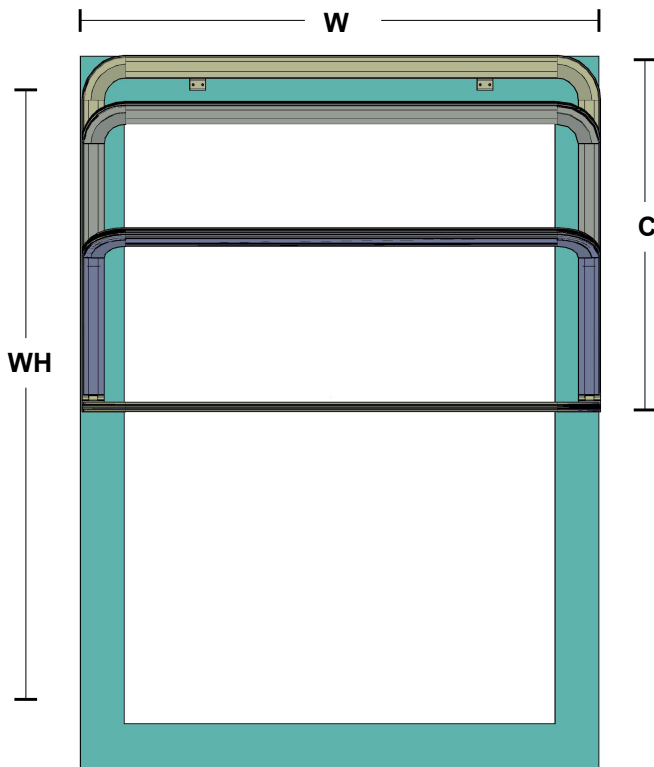


Our standard models have come into grooves in the profile with the help of sewn plastic bolt in the cloth. Therefore, most models come in compact package.



Standard packs of 18x20cm.

Measurement certificate for ABcanopy



Dimensioning of standard Abcanopy.

You must specify 2 dimensions to order the awning:
W:=Exterior awning width, and **A**:= Extended length of the awning (see table at the bottom).

Determine extended length (A).

In order to shade against the sun, it is usual for the awning to cover approx. 55% of the window height (**WH**).

See (**C**) in the table to determine the extended length. On occasion the awnings will be mounted on shops and above pavements/sidewalks, and in such case there are often provisions for a minimum height above the pavement that the bottom edging of the awning may be, and it can vary from municipality to municipality. Use the measurement (**C**) in the table in order to calculate how far down the awning will come.

Determine the width (W).

The awning width is usually the same as the exterior window moulding. For inside operation, the width must be increased if there is no room to go through the wall with the string between the arm and window. Calculate that the width of the awning profile is 5cm, and a minimum of 5cm of space for the string feed-through.

Weatherboarding:

Occasionally it is desired that the awning be mounted over weatherboarding. The width must then be increased in order for placement to be outside the weatherboarding. Minimum width will then be: Width of weatherboarding + 10cm for the arms to go outside. If there are **sharp edges** on the weatherboarding that could damage the canvas, then the width must be increased to avoid wear, and/or remove the sharp edges. The awning can also be built out from the wall in order to avoid conflicts with the weatherboarding.

Text/Logo:

Max. height of logo or text will be determined by the (D) measurement on the awning, which is the height of the field from profile to profile. Distance from the text to the profiles should be min 5cm. The text length is restricted to the awning width minus the corners, which normally build 10cm on each side. Text sizes on arched awnings: ask us at AB.

No. awnings	Type No. 2/4	Width in cm	Len (A) in cm	Colour canvas colour	Adjustment motor/string/fixd	Operation out/in	Cap straight/wave	Edge of cap creased/edging	Wall Concrete/wood

Dim. table for stepped type No. 2

Len	Misc. dims				No. field
A	B	C	D	V	
50	55,4	37,2	19,9	3	
60	67,8	44,6	24,4	3	
70	80,2	52	28,9	3	
80	92,6	59,4	33,4	3	
90	104,9	66,8	38,0	3	
100	117,3	74,2	42,5	3	
110	129,7	81,6	47,0	3	
120	130,9	92,5	38,8	4	
130	142,5	100,2	42,3	4	
140	154,1	107,9	45,7	4	
150	165,7	115,6	49,1	4	

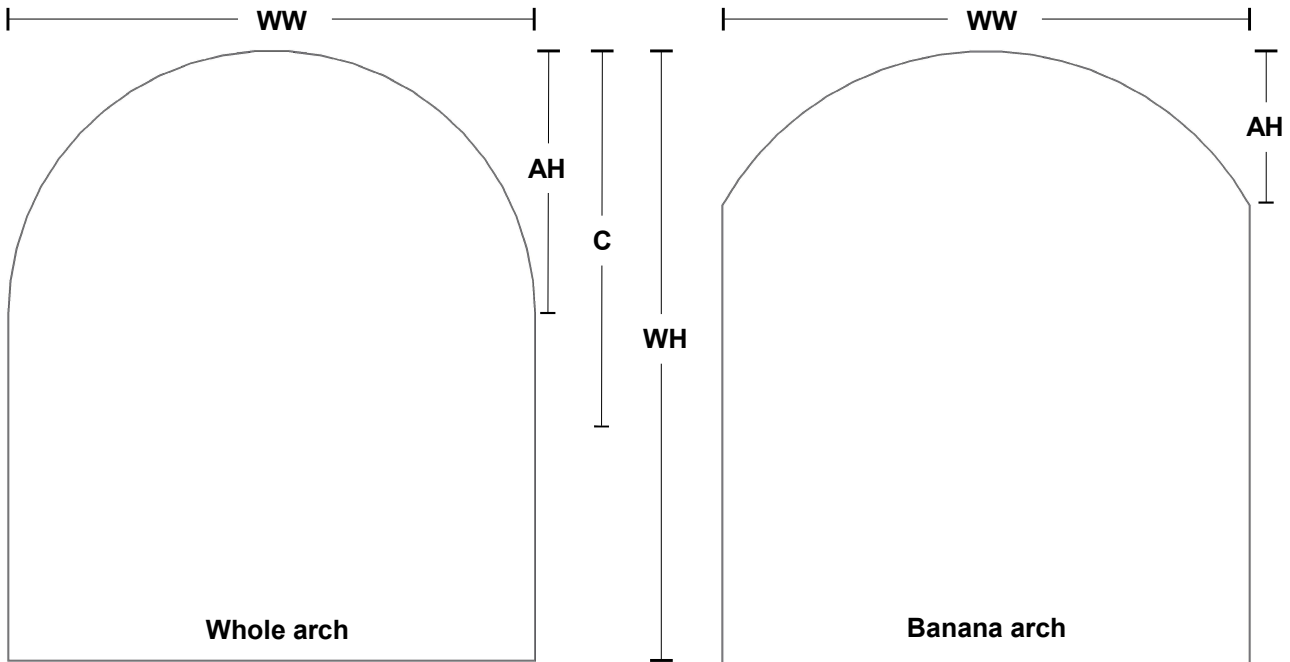
The diagram shows a stepped type No. 2 awning. The dimensions are labeled: A (width), B (height), C (extended length), D (height of the field), and V (height of the field from profile to profile).

Dimensional table for quarter-arch type No. 4

Len	Misc. dims				No. field
A	B	C	D	V	
50	46,7	50	23,1	3	
60	56,7	60	28,3	3	
70	66,7	70	33,5	3	
80	76,7	80	38,6	3	
90	86,7	90	43,8	3	
100	96,7	100	49	3	
110	106,7	110	54,2	3	
120	114,7	120	44,4	4	
130	124,5	130	48,3	4	
140	134,5	140	52,2	4	
150	142,2	150	44,6	5	

The diagram shows a quarter-arch type No. 4 awning. The dimensions are labeled: A (width), B (height), C (extended length), D (height of the field), and V (height of the field from profile to profile).

Measurement certificate for ABarch



Determine the width (W) and length, see measurement certificate ABcanopy.

Determine the arch on the awning: Then we need the window width **WW** and the arch height **AH**

Whole arch: a window that has an arch equal to half of the radius of the arch. In other words, the termination of the arch has the same direction as the window.

Radius=AH= WW/2.

Banana arch: The arch at the top of the window is larger than the window and will be terminated before the arch is completed. **AB** will calculate the radius of the arch, but for those who desire the formula: **Radius=((WW/2)/(sin(invatan(AH/(WW/2))*2)))**.

Awning width W: see measurement certificate ABcanopy.

Because we have dimensioned for the window, we can add to it how much the awning should go outside the window on each side (see measurement certificate ABcanopy). Example: if we add 10cm on each side, the radius of the arch also increases by 10cm for whole arches and banana arches.

If the awning is to go into a niche, and the dimensions are niche dimensions, then we must subtract a minimum of 5mm on each side, and the radius will also be 5mm less.

Text/Logo:

Max. height of logo or text will be determined by the (CH) measurement on the awning, which is the canvas height at the middle of the awning. However, we must also take into account that the canvas narrows out to the sides, and that we are also dependent on knowing the length of the text. AB will figure this out, ask us.

WW	AH	WH	Radius	Addition (+) or deduction for niche
Window width or niche width	Arch height	Window height	AB will fill in	(-) on each side in cm

No. awnings	Type No. 2/4	Width in cm	Len (A) in cm	Colour canvas colour	Adjustment motor/string/fixe	Operation out/in	Cap straight/wave	Edge of cap creased/edging	Wall Concrete/wood

Dim. table for stepped type No. 2

Len	Misc. dims				No. field
A	B	C	D	V	
50	55,4	37,2	19,9	3	
60	67,8	44,6	24,4	3	
70	80,2	52	28,9	3	
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100	117,3	74,2	42,5	3	
110	129,7	81,6	47,0	3	
120	130,9	92,5	38,8	4	
130	142,5	100,2	42,3	4	
140	154,1	107,9	45,7	4	
150	165,7	115,6	49,1	4	

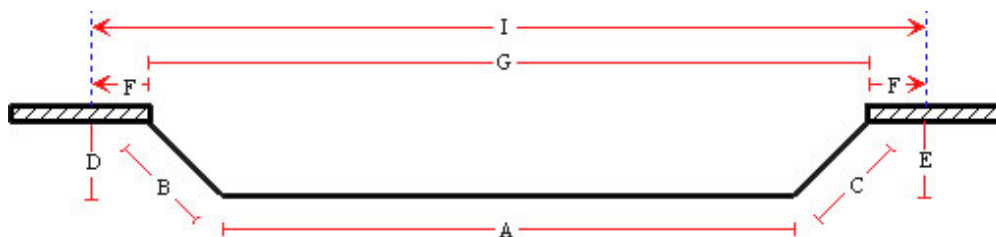
The diagram shows a stepped arch with dimensions A, B, C, D, and V. A is the horizontal width, B is the vertical height, C is the horizontal distance from the vertical line to the arch, D is the vertical distance from the horizontal line to the arch, and V is the vertical distance from the horizontal line to the top of the arch.

Dimensional table for quarter-arch type No. 4

Len	Misc. dims				No. field
A	B	C	D	V	
50	46,7	50	23,1	3	
60	56,7	60	28,3	3	
70	66,7	70	33,5	3	
80	76,7	80	38,6	3	
90	86,7	90	43,8	3	
100	96,7	100	49	3	
110	106,7	110	54,2	3	
120	114,7	120	44,4	4	
130	124,5	130	48,3	4	
140	134,5	140	52,2	4	
150	142,2	150	44,6	5	

The diagram shows a quarter-arch with dimensions A, B, C, D, and V. A is the horizontal width, B is the vertical height, C is the horizontal distance from the vertical line to the arch, D is the vertical distance from the horizontal line to the arch, and V is the vertical distance from the horizontal line to the top of the arch.

Measurement certificate for ABoriel



The following measurements must be taken at the site: **A, B, C, D, E and F** and **H**
G and I: These dimensions will be calculated at the factory.

A	Front wall oriel (from corner to corner)		cm
B	Sloping wall (from corner to corner)	left side	cm
C	Sloping wall (from corner to corner)	right side	cm
D	Straight line from oriel front to wall	left side	cm
E	Straight line from oriel front to wall	right side	cm
F	Desired addition 10-20cm (min 10cm)	left side	cm
F	Desired addition 10-20cm (min 10cm)	right side	cm
H	Height (aperture)		cm

Price calculation:

The width is calculated based upon the awning's exterior width in a straight line as for ordinary basket awnings.

TIP! in order to be able to give the customer a price estimate quickly: take dimensions from the inner side, and measure transversely across the oriel opening from internal frame to internal frame and add **30cm** on each side.

DIMENSIONAL CALCULATIONS FOR ABcanopy

Calculation of awning width: window width + 10-20cm.

Basket awnings need not cover more than just the window, however the weatherboarding must often be taken into account. Ideally, the awning dimensions are the window width + **10-20cm** on each side.

Calculation of extended length: see dimensional table (C).

It is recommended that the awning cover **approx. 55 %** of the window height. The dimension (C) on the table below indicates how much the awning covers depending upon its type and extended length.

Dimensional table for stepped type No. 2						Dimensional table for quarter-arch type No. 4					
Len	Misc. dims			No. field		Len	Misc. dims			No. field	
A	B	C	D	V		A	B	C	D	V	
50	55,4	37,2	19,9	3		50	46,7	50	23,1	3	
60	67,8	44,6	24,4	3		60	56,7	60	28,3	3	
70	80,2	52,0	28,9	3		70	66,7	70	33,5	3	
80	92,6	59,4	33,4	3		80	76,7	80	38,6	3	
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100	117,3	74,2	42,5	3		100	96,7	100	49,0	3	
110	129,7	81,6	47,0	3		110	106,7	110	54,2	3	
120	130,9	92,5	38,8	4		120	114,5	120	44,4	4	
130	142,5	100,2	42,3	4		130	124,5	130	48,3	4	
140	154,1	107,9	45,7	4		140	134,5	140	52,2	4	
150	165,7	115,6	49,1	4		150	142,2	150	44,6	5	

For residences



For store



Arches




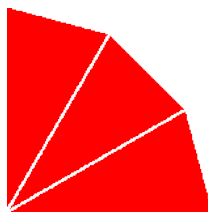





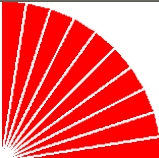





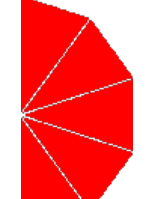
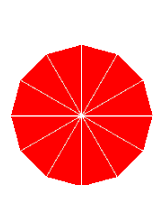
Misc.





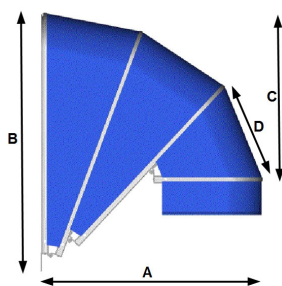
BASKET AWNING TYPES

TYPE NO. 2 (stepped type)		TYPE NO. 4 (quarter arch)	
	Used mostly by shops to have a large projection at the same time as requirements are posed for the awning to not come down too far in relation to passing traffic.		Used both for residences as well as shops. Shades a bit better than type 2.
<p>Type 2 is defined with our standard models, which have fixed angles and the number of fields that are suitable for the extended length of the awning, however they may also be defined in all variations, it is usually desired that the awning end out at 90 degrees, but this is not any precondition. The awning can be defined as desired in accordance with customer needs.</p> <p>Example: You decide how the awning should look in the following manner:</p> <ol style="list-style-type: none"> Determine the number of canvas fields that are to be used. Determine the angles of each individual field, with the rearmost field having the smallest angle. If the awning is to end at 90 degrees, then all the angles must add up to 90 degrees. <p>This can then be entered into our software so it can be produced as ordered.</p> <p>Type 2 can be made in models No. 1, 2, 4, 6, 8, 10 and 12.</p>		<p>Type 4 is the best-selling type, where all fields have equal angles, hence all the arms on a quarter arch are equally long. The desire is usually for the awning to end at 90 degrees, but this is not any precondition. The awning can be defined as desired in accordance with customer needs.</p> <p>Type 4 can be made in all models.</p>	

Some examples of how TYPE 2 can be made				Some examples of how TYPE 4 can be made			
	3 fields 90 degrees standard		4 fields 90 degrees		3 fields 90 degrees standard		10 fields 90 degrees, may for example be used with an extended length of 300cm
	2 fields 90 degrees, used by Sparebanken NOR (minibank)		2 fields 90 degrees		1 field 90 degrees. Fixed awning for some shops.		2 fields 90 degrees.
	4 fields 140 degrees				5 fields 180 degrees. Used with greenhouse canvas as greenhouse		12 fields 360 degrees. Your imagination is the limit.

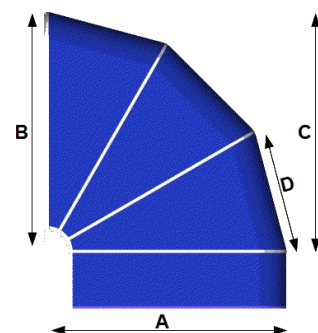
Dimensional table for stepped type No. 2




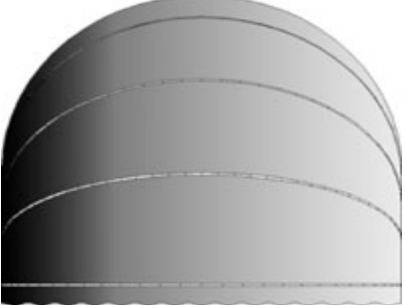






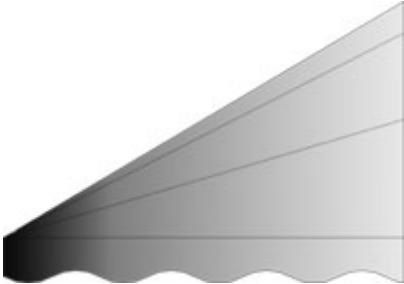
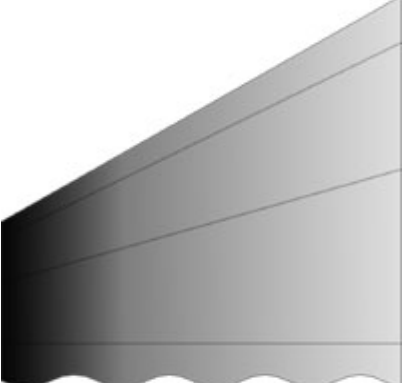
Len	Misc. dims				No. field
A	B	C	D	V	
50	55,4	37,2	19,9	3	
60	67,8	44,6	24,4	3	
70	80,2	52,0	28,9	3	
80	92,6	59,4	33,4	3	
90	104,9	66,8	38,0	3	
100	117,3	74,2	42,5	3	
110	129,7	81,6	47,0	3	
120	130,9	92,5	38,8	4	
130	142,5	100,2	42,3	4	
140	154,1	107,9	45,7	4	
150	165,7	115,6	49,1	4	



Dimensional table for quarter-arch type No. 4

Len	Misc. dims				No. field
A	B	C	D	V	
50	46,7	50	23,1	3	
60	56,7	60	28,3	3	
70	66,7	70	33,5	3	
80	76,7	80	38,6	3	
90	86,7	90	43,8	3	
100	96,7	100	49,0	3	
110	106,7	110	54,2	3	
120	114,5	120	44,4	4	
130	124,5	130	48,3	4	
140	134,5	140	52,2	4	
150	142,2	150	44,6	5	

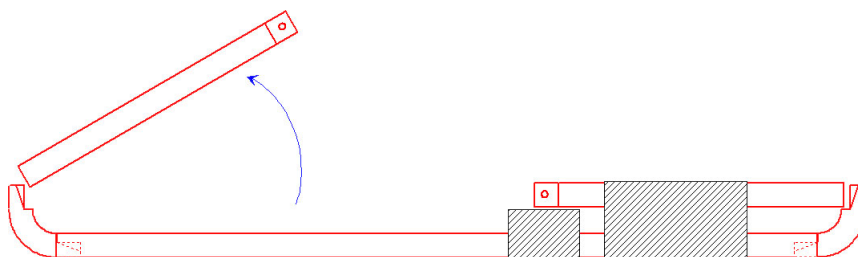


Model selection for ABlanopy			
Model No. 1.		Model No. 2.	
<p>This is one of the best-selling models. It has an exterior corner radius of 30cm. Can also be delivered with a larger corner radius without any price surcharge.</p>		<p>This is also one of the best-selling models. It has an exterior corner radius of 10cm.</p>	
Model No. 3.		Model No. 4.	
<p>Normally used for arched windows and/or in round niches. Also often used on rectangular windows. The arch can have a radius from 30cm and larger</p>		<p>Same as model 3 but this goes further down along the window after the end of the arch. The arch can have a radius from 30cm and larger.</p>	
Model No. 5.		Model No. 6.	
<p>The banana awning is arch-shaped without the arch going out from zero. Delivered in a radius of 30cm and larger.</p>		<p>Multi-arched awning has a more gentle arch at the top and is more acute on the sides. The radius of the arches are selectable, but not under 30cm.</p>	
Model No. 7.		Model No. 8.	
<p>Triangle awning flat on the top and which goes out to a point below.</p>		<p>Same as model 7, however this is preconditioned on a straight arm further after the slope is finished.</p>	
Model No. 9.		Model No. 10.	
<p>Triangle awning pointed at the top and which goes out to a point below.</p>		<p>Same as model 9, however this is preconditioned on a straight arm further after the slope is finished.</p>	
Model No. 11.		Model No. 12.	
<p>Asymmetric triangle awning pointed at the top and which goes out to a point below.</p>		<p>Same as model 11, however this is preconditioned on a straight arm further after the slope is finished.</p>	

Installation instructions for ABcanopy

A MOUNT THE ARMS ON THE AWNING.

- 1 Let the awning lie in the package
- 2 pull off the packaging around the arm and lift it up in the vertical position (the profiles in the longitudinal direction must lie against each other as much as possible).



- 3 Kneel in front of the arm on the side on which the cap is mounted. Run the arm down to the point in the corner by drawing the canvas up against the hinges between each profile
- 4 Draw the arms softly towards you in the upper edge such that all of its weight is against the point on the nearest corner.
- 5 Let the profile only just enter the nearest corner, and continue similarly with the next corner until all the corners are sticking a bit into the profiles.
- 6 Pull subsequently the canvas.
- 7 The profiles are then brought together down against the stop edge on the corners by cradling the arm sideways softly back and forth. Remember to subsequently pull the canvas such that it does not get caught.

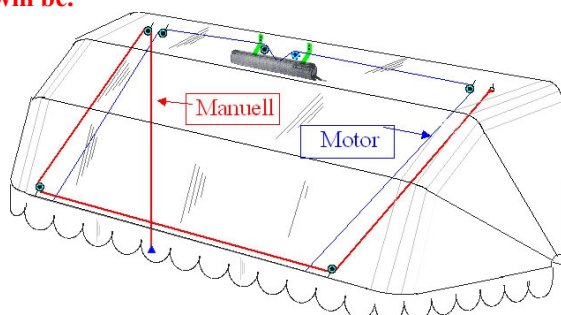


- 8 Be careful that the profile does not lie completely up to the stop edge on the corner before the screw is set in (preferably place your hand under the corner that is to be screwed together). **Check that the canvas is running freely around the corner.**
- 9 **Fasten the canvas:** Pull the canvas and cap up against the hinges on each side, and insert the accompanying screws, one in each arm. (if the canvas is not PVC it must be stretched when it is permanently affixed).

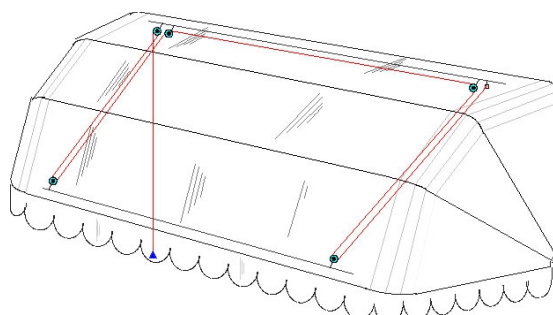
B MOUNT THE AWNING ON THE WALL.

- 1 Screw the wall fittings loosely into the wall.
- 2 Hang the awning up and press it into the wall fittings. Slide the awning into the correct position and fix it there.
- 3 Attach the string to the awning and pull it in.
- 4 Make sure that the arms are vertical on the wall and set the screws in.

When running the string on awnings of under 250cm, fasten an eye in the middle of the front profile, a pulley in the middle of the rearmost profile and a pulley in the rearmost profile on the side the adjustment will be.



Running the string on awnings of over 250cm for string retraction, and for motor control.

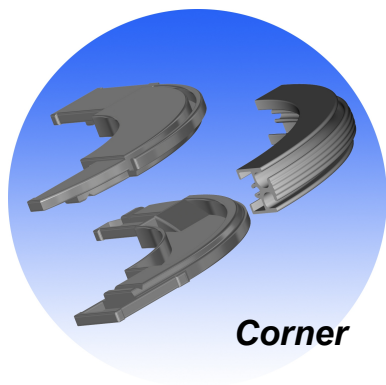
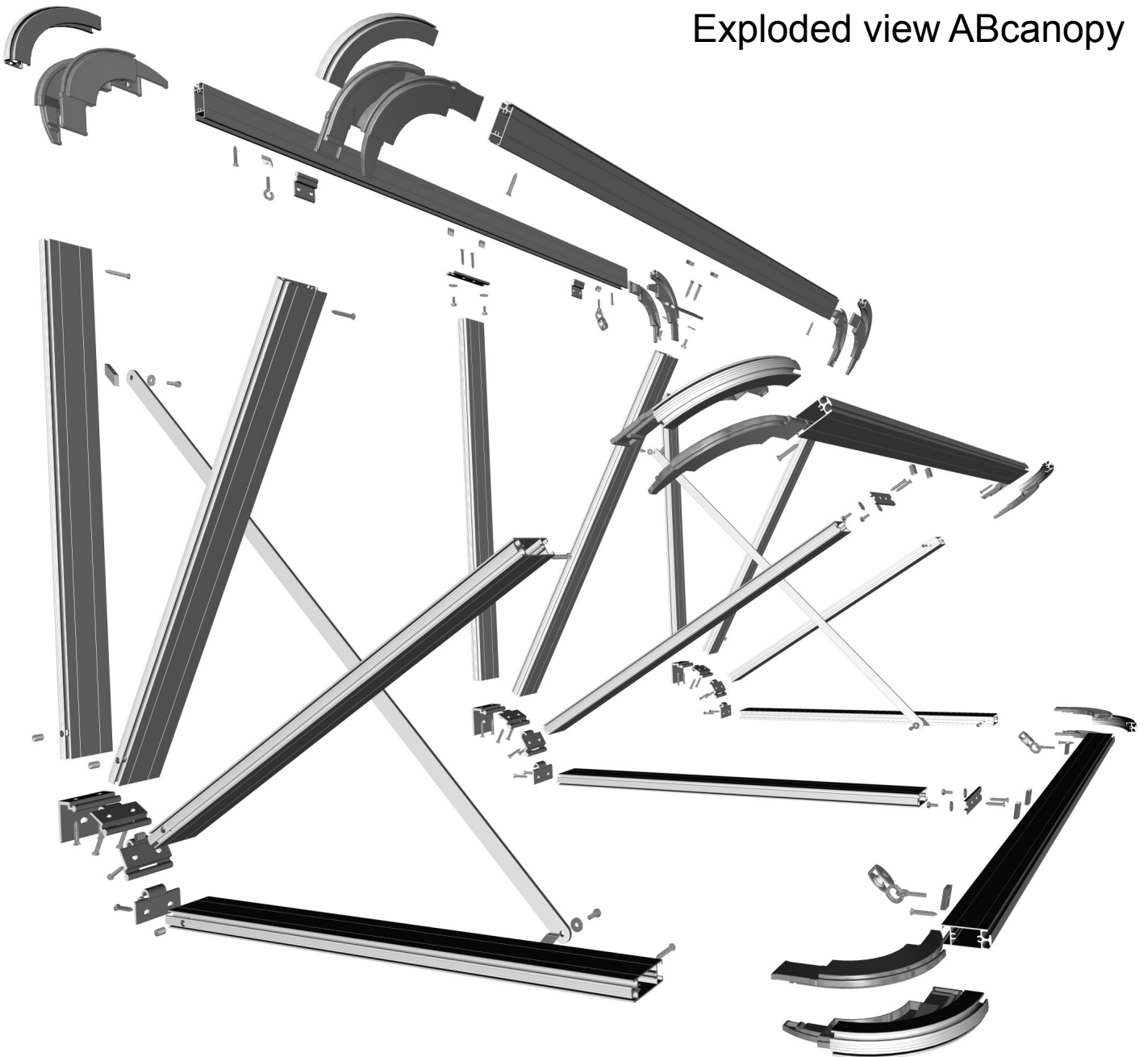


On extra large awnings, or when the awnings need to be especially easy to draw in.

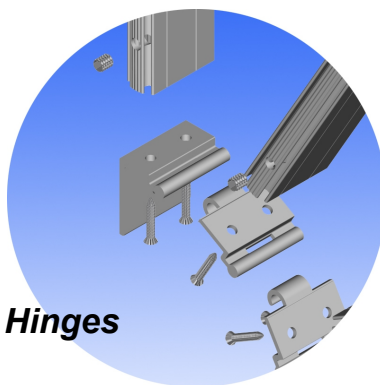
ABCanopy Parts 2015

AB5000 Main profile		AB5103 Fan Hinge	
	<p>Main profile 50mm x 20mm in lengths of 6000 and 7000mm Normally ordered directly from the factory.</p> <p>Package: By agreement</p> <p>Price By agreement</p>		<p>Intermediate hinge used only on fan style awnings (nr 4)</p> <p>Package: 50 pieces</p> <p>Price per piece</p>
	<p>Complete corner with 10cm radius. Consists of one set AB5001 and one each AB5002.</p> <p>Package: 120 pieces</p> <p>Price per piece</p>		<p>Used as the rearmost hinge on all awnings</p> <p>Package: 60 pieces</p> <p>Price per piece</p>
AB5110 Front Hinge standard		AB5110A Front Hinge Stepped	
	<p>Foremost hinge for all fan models.</p> <p>Package: 100 pieces</p> <p>Price per piece</p>		<p>Used as front hinge for stepped model together with AB5104.</p> <p>Package: 100 pieces</p> <p>Price per piece</p>
AB5104 Stepped Hinge		AB5105 Wall Fastening	
	<p>Used as an intermediate hinge with the stepped model together with AB5110A</p> <p>Package: 100 pieces</p> <p>Price per piece</p>		<p>Wall fastening for the upper part of the awning</p> <p>Package: 200 pieces</p> <p>Price per piece</p>
AB5002 Top Corner		AB5107 Cord Attachment	
	<p>Used together with 1 set AB5001</p> <p>Package: 120 pieces</p> <p>Price per piece</p>		<p>Mounting eyebolt for pulley and cord attachment. Eyebolt and diagonal nut.</p> <p>Package: 100 pieces</p> <p>Price per piece</p>
AB5112 Universal Bolt Set		AB5001 Cast Corner Set	
	<p>Used to fasten spanning strips, support arms, etc. Bolt, washer and nut.</p> <p>Package: 100 sett</p> <p>Sett pris</p>		<p>A complete corner made with 2 x AB5101 and 1 x AB5002.</p> <p>Package: 60 set (120 pcs)</p> <p>Price per piece</p>
AB5109 Attachment Plate		AB5108 Pulley System	
	<p>Used to attach support arms on AB awnings.</p> <p>Package: 50 pieces</p> <p>Price per piece</p>		<p>Standard pulley for manual operation. Pulley, eyebolt and diagonal nut</p> <p>Package: 100 pieces</p> <p>Price per piece</p>
AB5113 Splice		AB5115 Corner Joint	
	<p>Splices (15 cm) attach to the main profile: AB5000. Splices are screwed from the underside of the profile.</p> <p>Package: 10 pieces</p> <p>Price per piece</p>		<p>Used for all angled corners. Welded together at the desired angle.</p> <p>Package: By agreement</p> <p>Price per piece By agreement</p>

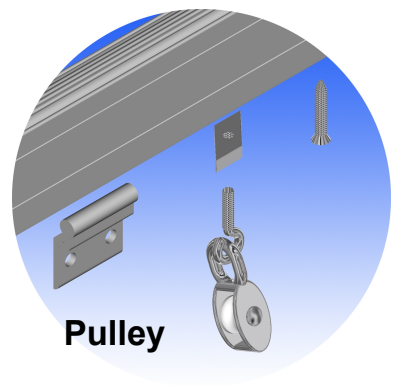
Exploded view ABcanopy



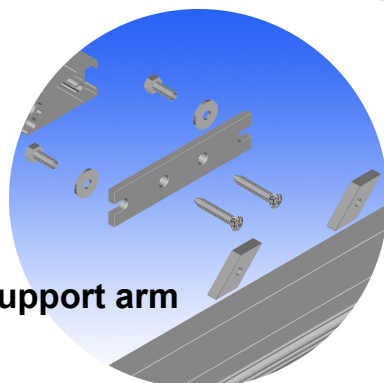
Corner



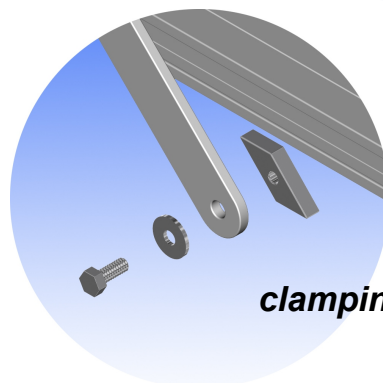
Hinges



Pulley



Support arm



clamping bar