

Technical data

Patio awnings

530 Folding Arm Awning



Der SonnenLichtManager

WAREMA patio awnings for individual sun protection



WAREMA awnings are an eye-catching feature for any building. The large choice of designs, colours and fabrics make any individual solution possible. Whether it is the model of a cassette awning, an open or half-closed articulated arm awning – design your awning according to your requirements. And when it comes to operation you also have the choice: from manual operation through to an exclusive comfort control.



100%
quality



WAREMA stands for quality.

We rely on high-grade materials and first-class processing. Authorised, extensively trained WAREMA dealers offer individual advice and will develop the best solution for your requirements and wishes together with you. Qualified advice, competent planning, reliable mounting and customer-oriented service – services that you can rely on from your WAREMA dealer.

Perfect atmosphere

Integrated lighting



LED stripes in the front profile and cassette



LED stripes in the front profile

► Your benefits:

- Longer summer evenings outside with a pleasant atmosphere
- Pleasant, warm light through the use of LED lamps
- Low energy consumption thanks to LED technology
- The light can be dimmed in steps using the WMS dimmer (LED)
- Comfortable operation with the WMS hand-held transmitter or by smartphone using WMS WebControl



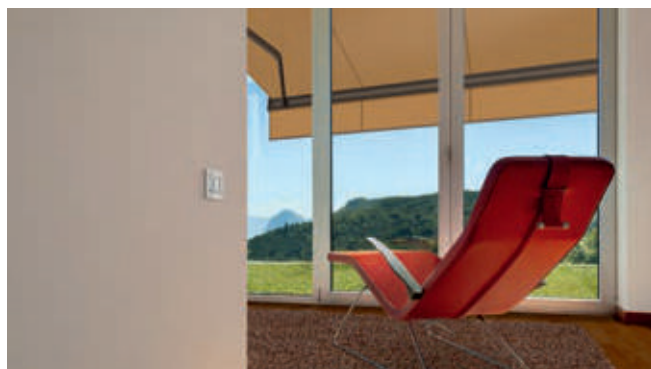
Control systems

Sun shading system automatically in perfect position



EWFS – Standardised WAREMA Radio System

The standardised WAREMA radio system offers you the opportunity to control the individual sun shading drive or light with a minimum amount of installation work. The uniform system allows individual expansion of the control system and leaves room for retrofitting further components at any time. WAREMA supplies the appropriate EWFS solution for the different control requirements of any sun shading product. Awnings for example can be controlled with permanent mode.



WMS – WAREMA Mobile System

Radio systems are particularly beneficial with retrofits because no additional line routing is required. In the WAREMA Mobile System the only components needed are the transmitter and receiver. Users receive feedback about all move commands of their sun shading systems. Distant units can also be reached by transmitting commands from receiver to receiver (routing function).

WMS WebControl

Simple, comfortable and self-explanatory – the control of your awning via smartphone. Thanks to the intuitive user interface you can use your smartphones, tablets or computers to move your sun shading system with only a few steps into the correct position or to request their current position. Immerse into a completely new form of sun protection automation.



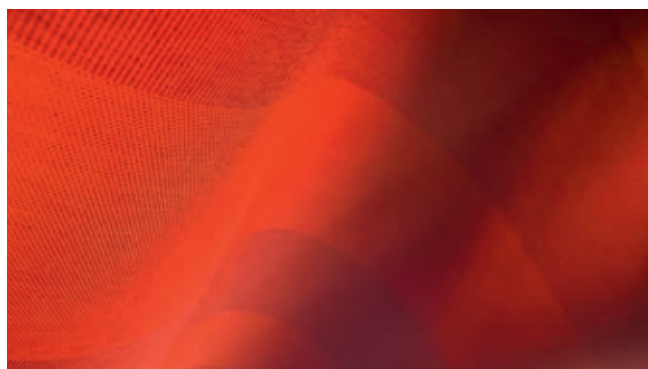
Fabrics and frame colours

Timeless colour brilliance



Fabrics

The acrylic awning fabrics are the classics among the fabric qualities and impress by experience and constant further development. They consist of 100% brand acrylic fabric for which the fibres of the yarns used are spinning nozzle dyed. Furthermore the innovative Lumera Acrylic fabrics have an extremely smooth surface which makes colours appear much deeper and increases brilliance for a long time. Acrylic awning fabrics provide reliable protection against harmful UV radiation and they are also extremely tear-resistant.



Frame colours

Immerse yourself in the colours of WAREMA and design your awning according to your personal taste. The colours of the extensive WAREMA Colour World provide a selection of frame colours which are harmoniously adapted to the selected fabric and the individual living style. They impress by a durable coating quality which corresponds to the directive GSB-AL 631. Thanks to the fine surface structure water rolls off very easily and removes dirt particles at the same time. Select your favourite colour from the WAREMA Colour World chart.

Collection guide

Let yourself be inspired when making a decision on the fabric collection. Choose your preferred design with your favourite colours in our online collection guide at www.markisen-kollektion.de. The extensive selection of the WAREMA awnings collection satisfies all wishes.



Articulated arm awnings open Type 530



Your personal choice of awning determines the atmosphere in which you would like to live. This classic model offers comprehensive protection. The variable accessories packages leave every option open!

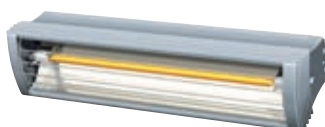
The radiant heater ensures a comfortable feel-good atmosphere under the awning even when temperatures are cooler.

► Your benefits:

- The basic model among the awnings
- Technically sophisticated, functional awning
- Brilliant accessories (optional): LED or halogen light rail, radiant heater, patio side screen, LB model, rain hood



Articulated arm awning 530



Accessories: Radiant heaters

Technical details

	Articulated arm awning 530
Max. width (mm)	6000
Max. projection (mm)	3000
Max. inclination angle (degree)	90
Operation	
Crank	optional
Motor	standard
Radio motor	optional
Solar drive	optional
Fabric bearing shell	–
Recommended control	WMS wind sensor
Standard colours	2
WAREMA Colour World	optional

Description

Articulated arm awning 530

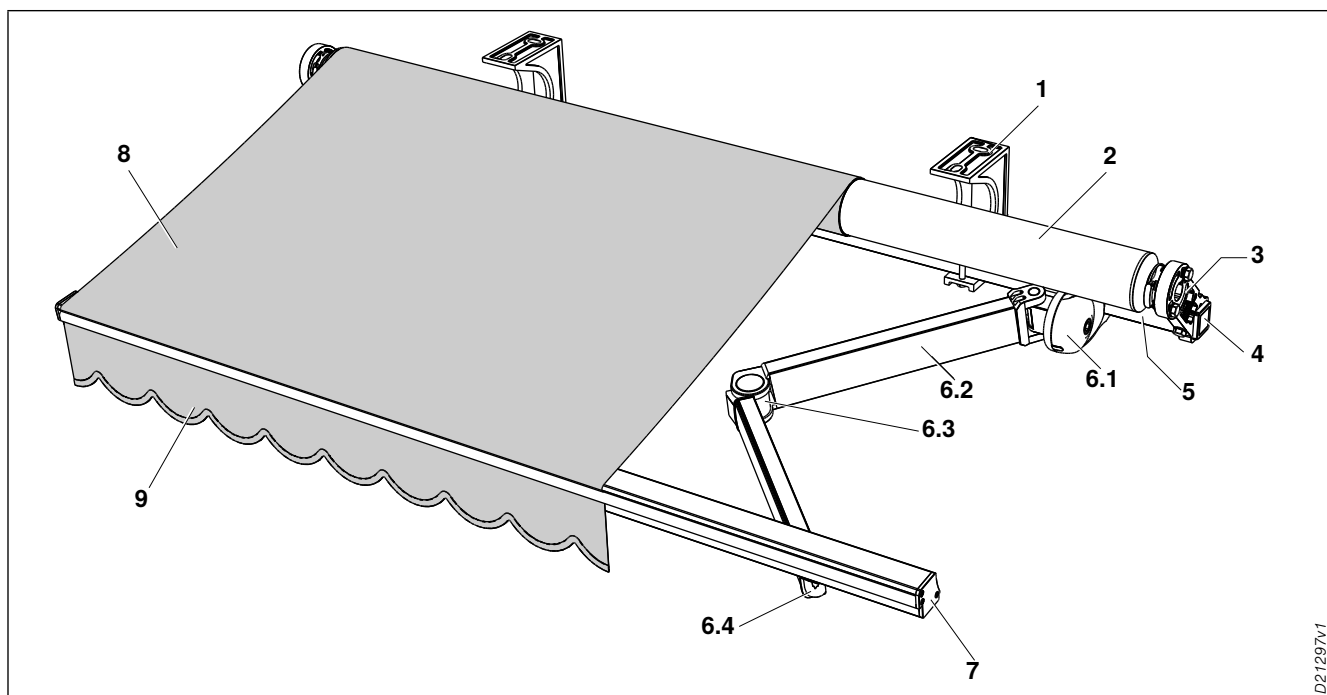


fig. 1: Articulated arm awning 530

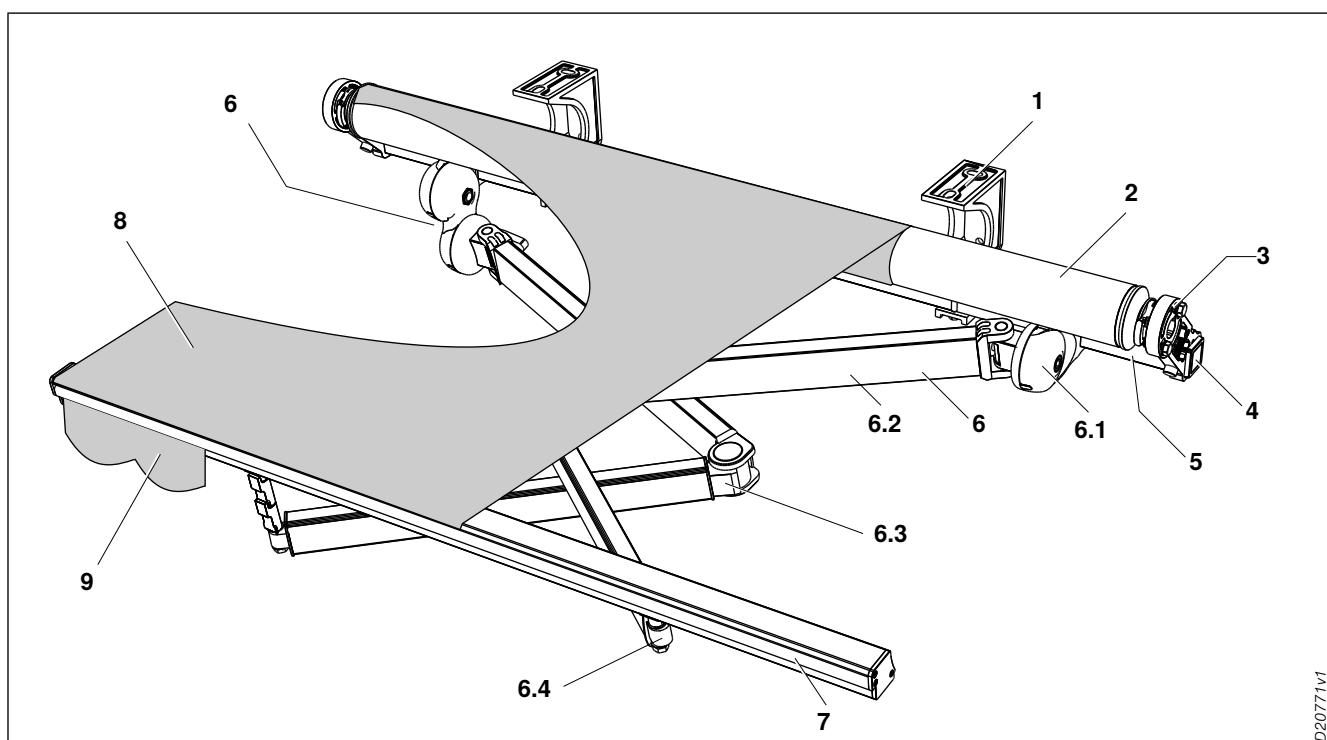


fig. 2: Articulated arm awning 530 LB

- 1 Console
- 2 Fabric shaft
- 3 Fabric shaft console
- 4 Side covers
- 5 Bearing tube
- 6 Articulated arm
 - 6.1 Articulated arm seat
 - 6.2 Articulated arm profile

- 6.3 Centre joint
- 6.4 Support for front rail
- 7 Front rail
- 8 Fabric
- 9 Valance

Description

Articulated arm awning 530

Application

Functional sun shading system for shading balconies and patios, mounted under the eaves or in a protected position (from above).

Rain hood optionally or as LB model for large projection with a narrow width available.

Operation

Basic motor, 230 V, 50 Hz

LT50/60 with mechanical limit switch-off (optionally with EWFS/WMS Plug receiver)

EWFS radio motor, 230 V, 50 Hz (optionally)

W-MP with electronic limit switch-off

WMS radio motor, 230 V, 50 Hz (optionally)

WMS-MP with electronic limit switch-off

More information about drives from page 309.

Crank

Screw gear with crank and limit stop

Ratio: 7:1

Crank lengths: 800/1000/1200/1400/1600/1800/
2000 mm

Console (1)

Wall and ceiling installation

Material: cast aluminium

Surface: powder-coated

Rafter installation

Material: aluminium

Surface: powder-coated

Fabric shaft (2)

Material: steel, galvanised

Material thickness: 1 mm

Dimensions (Ø): 78 mm

Profile: groove tube

Surface: plain

Fabric shaft console (3)

Material: aluminium, extruded

Surface: powder-coated

Side covers (4)

Material: plastic

Colour: white (for frame colours RAL 9010/
9016), black (for other frame colours)

Bearing tube (5)

Material: steel, galvanised

Material thickness: 2 mm

Dimensions (WxH): 40x40 mm

Profile: square tube

Surface: powder-coated

Cover cap: plastic, black

Articulated arm (6)

Articulated arm seat (6.1)

Material: aluminium, permanent mould casting,
ball burnished

Surface: powder-coated

Type 530 LB height offset on the left.

Articulated arm profile (6.2)

Material: aluminium, extruded

Dimensions (WxH): front 30 x 56 mm or 25 x 49 mm,
depending on projection

rear 35 x 67 mm or 29 x 55 mm

Surface: powder-coated

Centre joint (6.3)

Material: aluminium, permanent mould casting

Power transmission: textile strip

Surface: powder-coated

Support for front rail (6.4)

Material: aluminium, permanent mould casting

Surface: powder-coated

Type 530 LB height always offset on the left.

Front rail (7)

Material: aluminium, extruded

Dimensions (WxH): 53x48 mm

Surface: powder-coated

Lateral closure: plastic, black

Fabric (8)

Fabric qualities: Standard/Lumera acrylic fabric

Acrylic Perfora/All Weather

Soltis 92 fabric

Lacquered fabric

More information about the fabrics on
page 300

Designs: according to current WAREMA awning
collection

Special fabrics not included in our current awning collection
are only available upon request and at a surcharge.

Valance (9)

The valance is individually removable and available in 6
shapes, see page 305. If no shape is stated we will supply
valance shape no. 11.

Type 530

Dimensions (H): approx. 180 mm

Type 530 LB

Dimensions: (H) approx. 270 mm

Rain hood (optional)

Material: aluminium, extruded

Dimensions (WxH): 290x44 mm

Surface: powder-coated

For further information see page 256.

Description

Articulated arm awning 530

Inclination angle adjustment

Type 530

Inclination angle: 0° – 45° or 46° – 90°, continuously adjustable
0° – 30° with rain hood

Standard: 10° inclination

Tolerance depending on projection ±5°.

Resistance to water collection, class 2, from inclination angle of 14°.

Type 530 LB

Inclination angle: 5° – 10°

Tolerance depending on projection ±5°.

Weight

16–18 kg/m without consoles, depending on fitted equipment

Colours

Aluminium parts powder coated with chrome-free pre-treatment in RAL 9016 and RAL 9006, satin finish. Optionally powder coating according to WAREMA Colour World. Other colour specifications or special colours are available on request subject to surcharge.

Accessories

See page 251.

You can also use our free planning programme at www.sonnenschutzplaner.de for planning your sun shading control systems – here you can configure the product and create a technical drawing to be integrated into your plans.

Construction limit values in mm for wall and ceiling installation on concrete/rafter installation (consoles A, E, F)

Projection	Type 530 – individual unit				Type 530 LB - individual unit				
	1500	2000	2500	3000	1500	2000	2500	3000	3500
Max. width	6000	6000	6000	6000	1930	2430	2930	3420	4000
Fabric types									
– Acrylic – all qualities	6000	6000	6000	6000	1930	2430	2930	3420	4000
– Lacquered fabric	5500	5500	5500	–	1930	2430	2930	–	–
– Soltis 92 fabric	5500	5500	5500	–	1930	2430	2930	–	–
Min. width									
– with crank	1940	2440	2940	3430	1320	1570	1820	2060	2560
– with motor	1890	2390	2890	3380	1270	1520	1770	2010	2560

The minimum sizes, number of consoles, console positions and pull-out forces indicated in this document refer to concrete C20/25 (B25) as a substructure and mounting on rafters.

You can find information on other substructures at konsolenplaner.warema.de.

Fixing

Articulated arm awning 530

Type 530

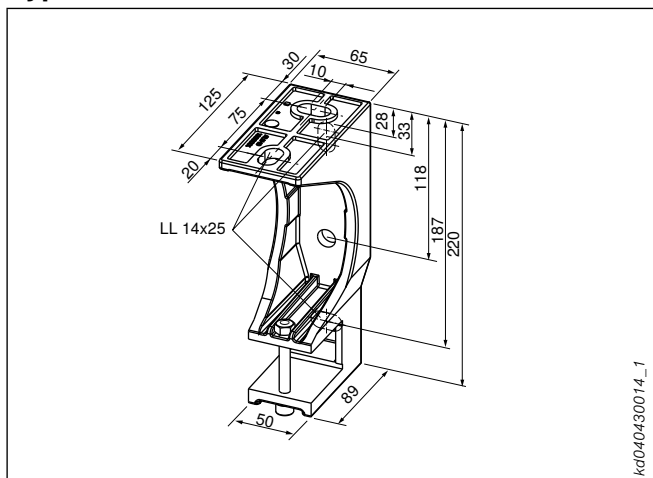


fig. 3: Console type A/E - wall and ceiling installation

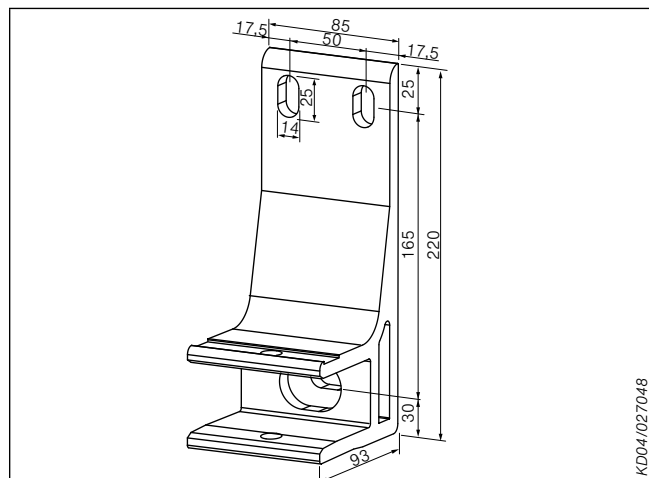


fig. 4: Console type B - wall installation with 3 drilled holes

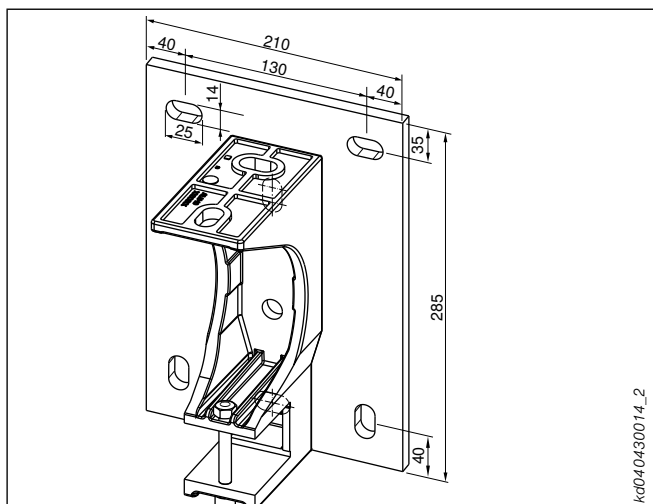


fig. 5: Console type C - wall installation with small mounting plate

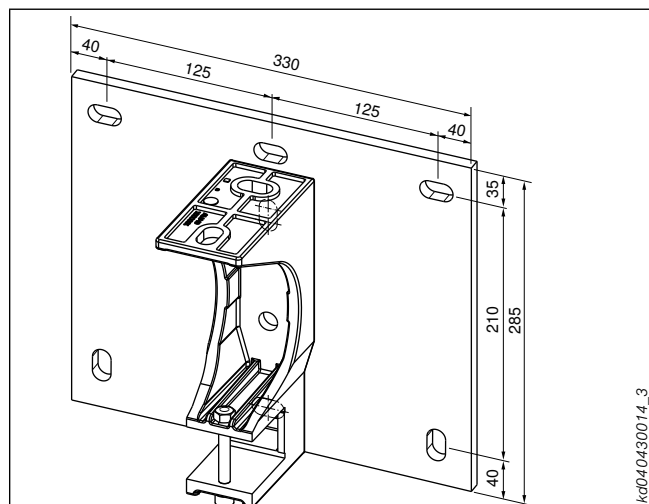


fig. 6: Console type D - wall installation with large mounting plate

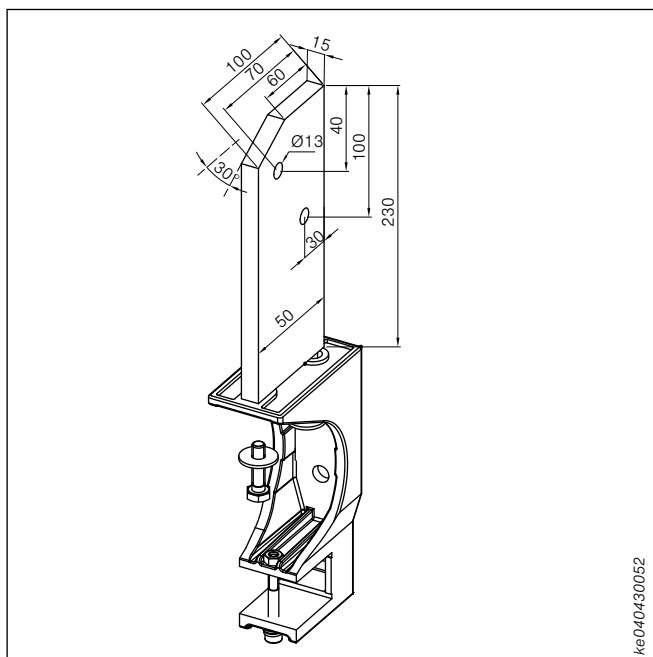


fig. 7: Console type F - rafter installation

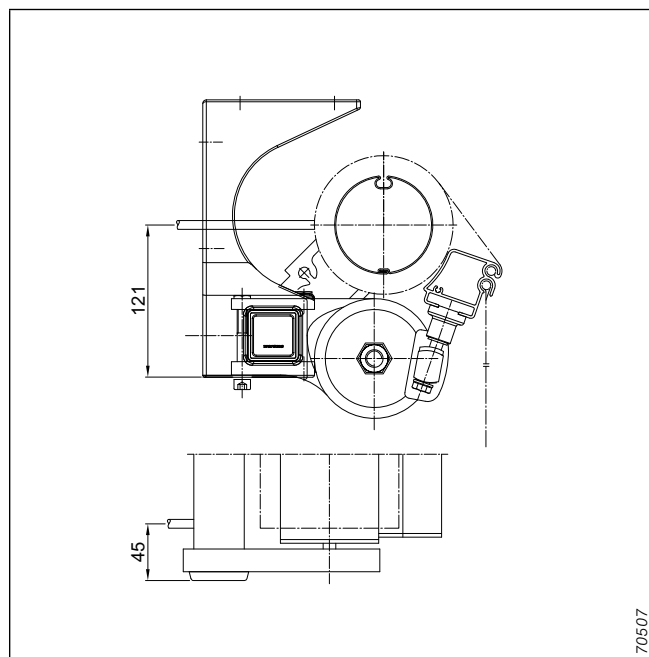


fig. 8: Cable exit

Mounting options

Articulated arm awning 530

Type 530

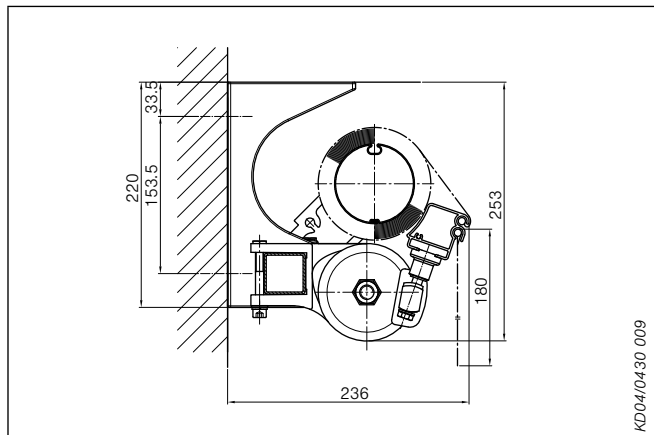


fig. 9: Fixing to wall or ceiling

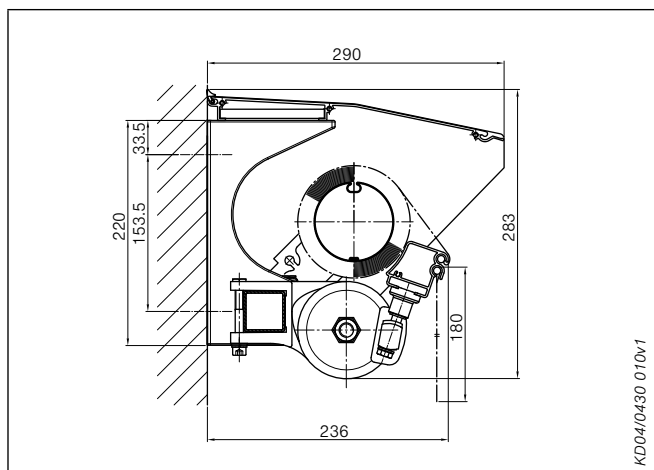


fig. 10: Fixing to a wall with additional aluminium rain hood

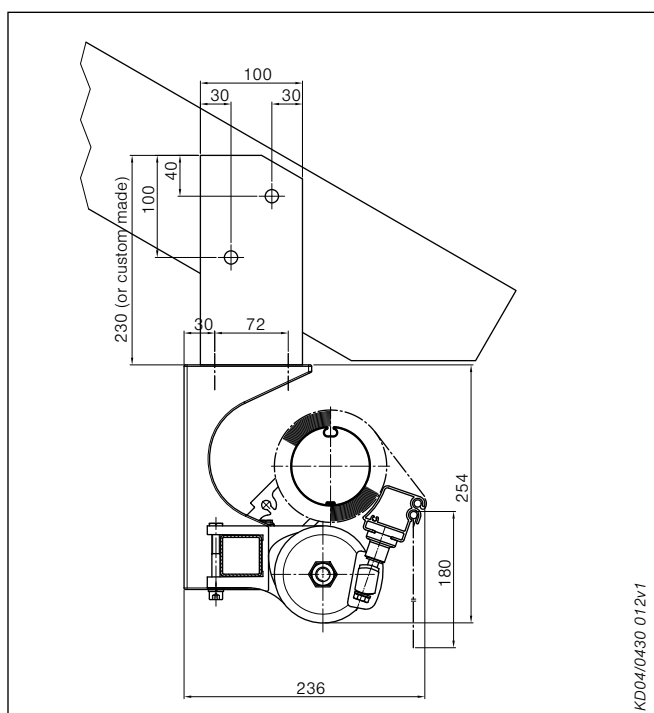


fig. 11: Fixing to a rafter

Type 530 LB

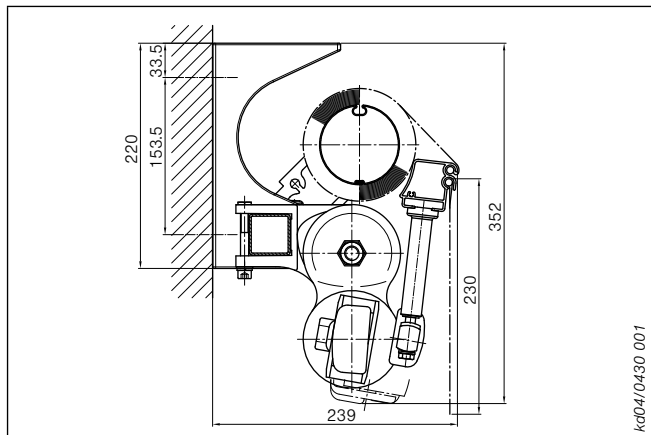


fig. 12: Fixing to wall or ceiling

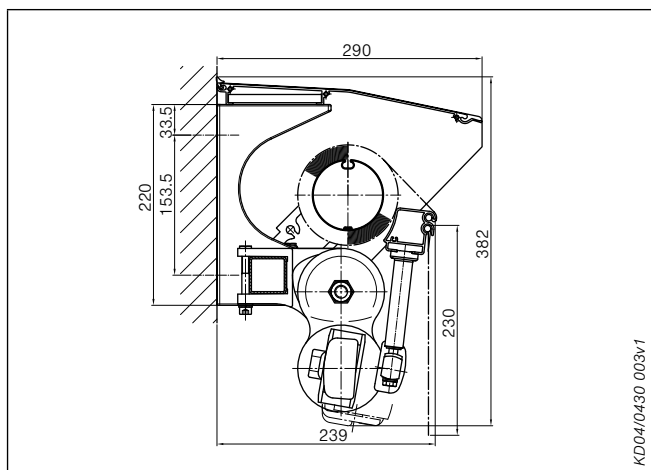


fig. 13: Fixing to a wall with additional aluminium rain hood

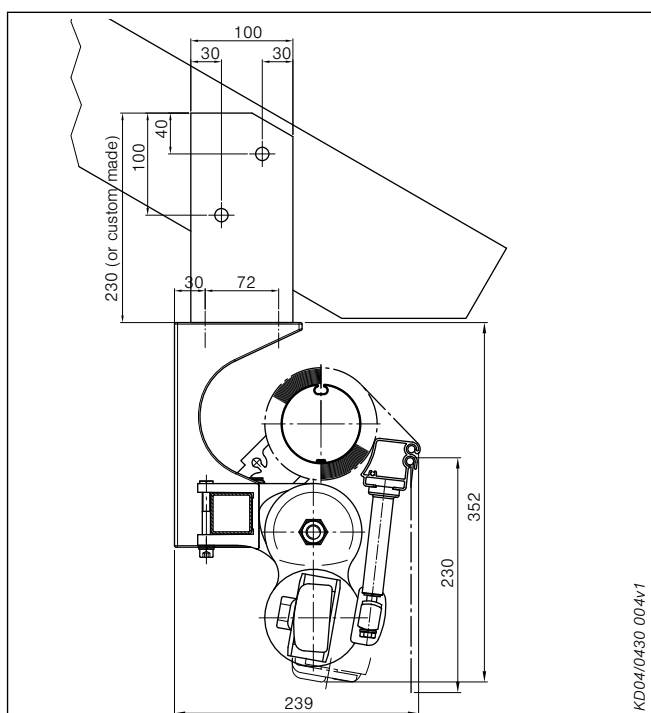


fig. 14: Fixing to a rafter

Dimensions tables for console positions on concrete

Articulated arm awning 530

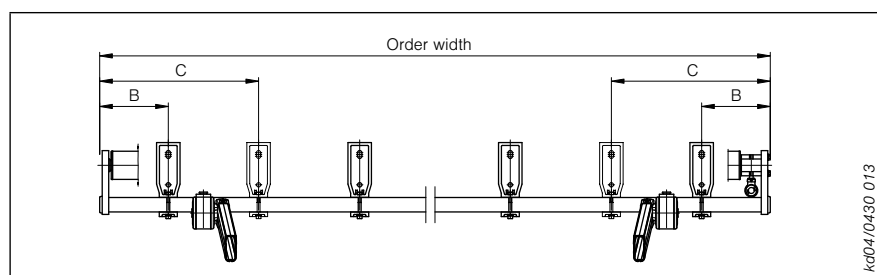


fig. 15: Dimensional drawing for console positions

Individual unit type 530

Projection (mm)	Width (mm)		Dimension "B" (mm)		Dimension "C" (mm)		Consoles ¹⁾		Force/screw anchor		Force/screw (rafters) (N)
	from	to	from	to	from	to	Number	Type	(wall) (N)	(ceiling) (N)	
1500		2000	–	–	230	330	2	A, E, F	423	787	1068
	2001	2500	–	–	240	340	2	A, E, F	496	924	1253
	2501	3000	140	240	490	590	2	A, E, F	569	1060	1439
	3001	3500	390	490	740	800	2	A, E, F	642	1197	1624
	3501	4000	600	700	–	–	2	A, E, F	716	1333	1809
	4001	6000	600	700	–	–	3	A, E, F	1008	1878	2549
2000		2500	–	–	230	330	2	A, E, F	815	1519	2061
	2501	3000	–	–	240	340	2	A, E, F	935	1741	2363
	3001	3500	140	240	490	590	2	A, E, F	1054	1964	2666
	3501	4000	390	490	740	800	2	A, E, F	1174	2187	2968
	4001	6000	600	700	–	–	3	A, E, F	1652	3078	4178
2500		3000	–	–	230	330	2	A, E, F	1374	2559	3473
	3001	3500	–	–	235	335	2	A, E, F	1551	2889	3920
	3501	4000	80	125	375	475	2	A, E, F	1728	3218	4368
	4001	4500	275	375	625	725	3	A, E, F	1905	3548	4815
	4501	5000	525	625	–	–	3	A, E, F	2082	3878	5262
	5001	6000	600	700	–	–	3	A, E, F	2435	4537	6157
3000		3500	–	–	230	330	2	A, E, F	2227	4149	5631
	3501	4000	–	–	240	340	2	A, E, F	2472	4606	6251
	4001	4500	80	113	387	420	5	A, E, F	1359	2532	3436
	4501	5000	263	363	637	737	5	A, E, F	1482	2760	3746
	5001	5500	513	613	887	987	5	A, E, F	1843	3434	4660
	5501	6000	588	688	962	1062	5	A, E, F	1988	3703	5026

Individual unit type 530 LB

Projection (mm)	Width (mm)		Dimension "B" (mm)		Dimension "C" (mm)		Consoles ¹⁾		Force/screw anchor		Force/screw (rafters) (N)
	from	to	from	to	from	to	Number	Type	(wall) (N)	(ceiling) (N)	
1500		1500	–	–	230	330	2	A, E, F	350	651	883
	1501	1880	85	185	435	535	2	A, E, F	423	787	1068
2000		2000	–	–	230	330	2	A, E, F	696	1296	1758
	2001	2380	210	310	560	660	2	A, E, F	815	1519	2061
2500		2000	–	–	230	330	2	A, E, F	1020	1900	2578
	2001	2500	80	125	375	475	2	A, E, F	1197	2229	3026
	2501	2880	275	375	625	725	2	A, E, F	1374	2559	3473
3000		2500	–	–	230	330	2	A, E, F	1737	3236	4391
	2501	3000	150	250	500	600	2	A, E, F	1982	3693	5011
	3001	3370	400	500	750	800	2	A, E, F	2227	4149	5631
3500		3000	80	112	386	418	4	A, E, F	1325	2469	3350
	3001	3500	323	423	697	797	4	A, E, F	1487	2771	3760
	3501	4000	573	673	947	1047	4	A, E, F	1650	3073	4170

¹⁾ The specified data are based on a concrete mounting with a pressure-resistant substructure and rafter mounting for wind resistance class 2. Data for other substructures can be found at konsolenplaner.warema.de.

3/5. Console is centred.

With 2 consoles either dimension B or C applies (preferably dimension B).

With 4 consoles, dimension B and dimension C apply.

With 4 consoles, the consoles must be installed symmetrically to the axis of the seat of the articulated arm.



Melbourne

6 Plane Tree Avenue
Dingley Village VIC 3172
T. +61 3 9558 3006
sales@shadefactor.com.au

Sydney

7A Green St
Brookvale NSW 2100
T. +61 2 9938 3006
sales@shadefactor.com.au