



SUN SHADES

TECHNICAL SHEET | EN

REV. 0 | 07/2013

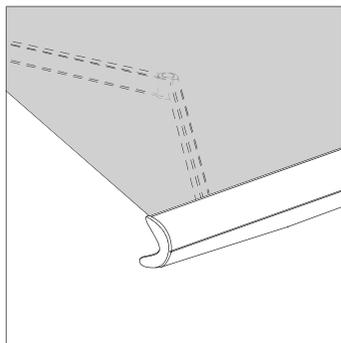
Corradi
OUTDOOR LIVING SPACE



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ATHENA®

ATHENA® FEATURES



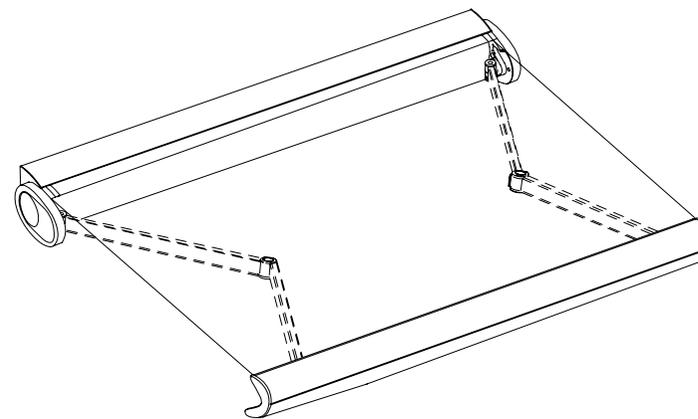
ATHENA® is a fully retractable sun protection system enclosed within a special protective box that preserves the canvas and mechanical parts. Its exclusive design has been developed by Corradi to blend into any setting while retaining the stylistic elements of the other products in the range; its technical/aesthetic features make it the ideal product for furnishing outdoor spaces in exclusive Corradi style.

It is custom-made to protect against the sun (it withstands light rain but is not suitable to support snow), comprising an aluminium structure and a canvas fully retractable into the box: the highly robust

and solid structure enables it to withstand winds much stronger than the market average: class 3 as per UNI 13561: 2009 equivalent to persistent winds of up to 49 km/h, up to 600x250 cm in size (width by projection). It is offered with anodized finish in aluinox colour (profiles) with the ends painted with certified Qualicoat cycle epoxy powders, in various colours, which help personalise the product. Everything is completed with stainless steel accessories. The extensible arms, guaranteeing optimum product operation, include an exclusive patented system capable of providing excellent performance and coverage of up to 600x350 cm (width X projection) With just one pair of arms.

The heat-sealed polyester canvas, specially designed to guarantee optimum resistance against atmospheric agents, is available in the following solid colours: white, sand, dark brown, ecru, anthracite, midnight blue, ochre, antique terracotta, grey, black, burgundy.

The cover is operated exclusively by an electric motor-reducer with the possibility of radio control. The standard supply of the covering profile, designed to shut off the slot between the wall and the box, raises its performance and aesthetics to maximum market levels.



MAXIMUM DIMENSIONS cm

	Width	Projection
Wall-mounted version	600	350
Ceiling-mounted version	600	350

MINIMUM WIDTHS cm

No. arms							Arm projection
2	150	200	250	300	350	minimum awning L	
	215	265	315	365	415		

WIND RESISTANCE CLASS

Projection (cm)	WIND RESISTANCE CLASS								
	250	300	350	400	450	500	550	600	
150									
200	-								
250	-	-							
300	-	-							
350	-	-	-						

EN3561 Class	Wind resistance
Class 1	28 Km/h
Class 2	38 Km/h
Class 3	49 Km/h

Class reduced by one when awning fastened to ceiling: e.g.: Class 3 to Class 2.

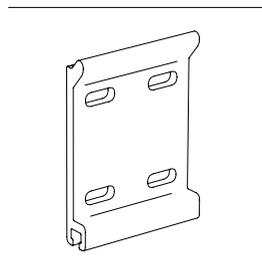
Minimum resistance to extraction of fastening plugs from constructive element must be no less than 1300 Kp (concrete base).

box

covering profile

canvas

WALL ANCHORAGE BRACKET

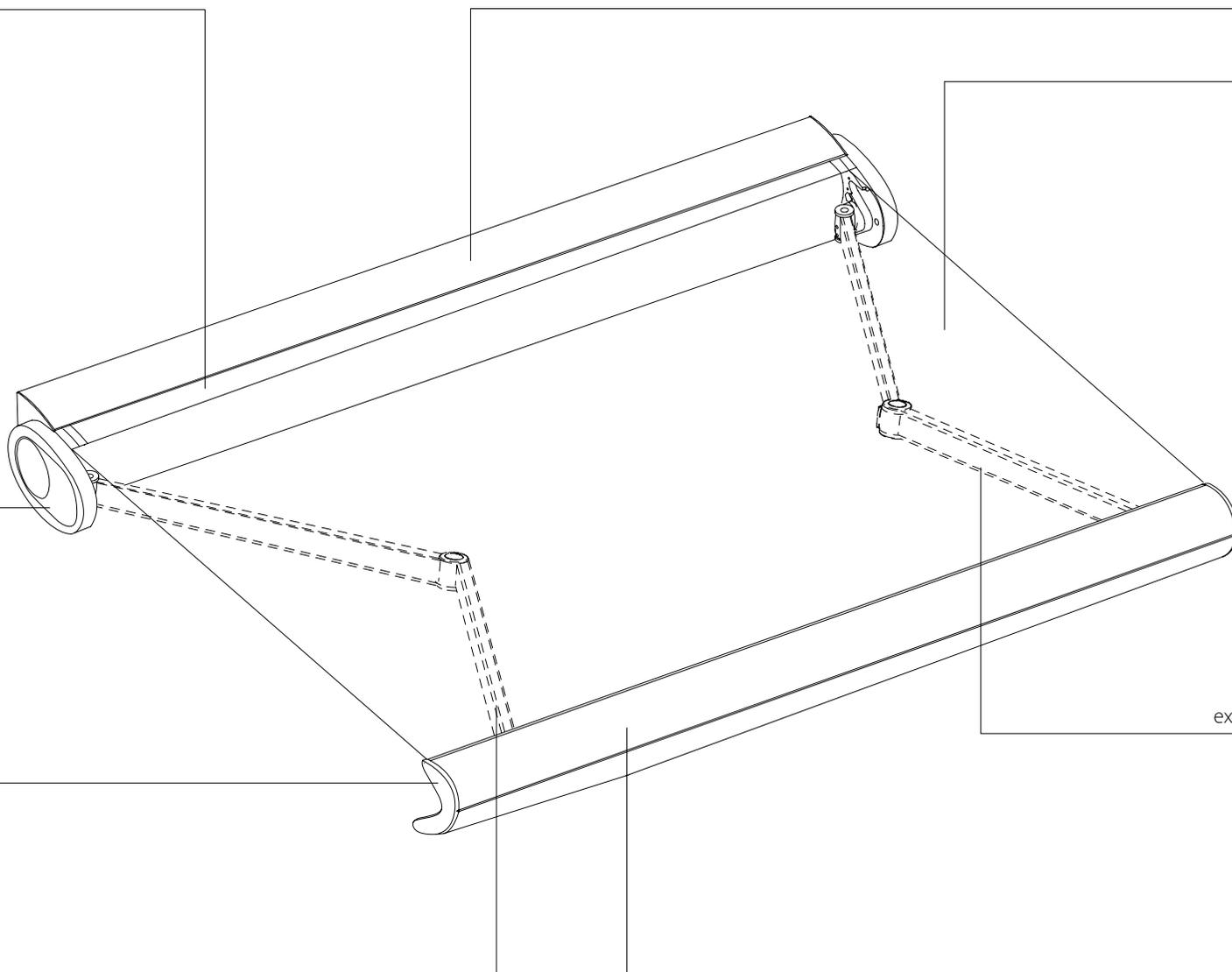


end caps

extensible arm

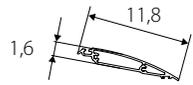
extensible arm

front profile

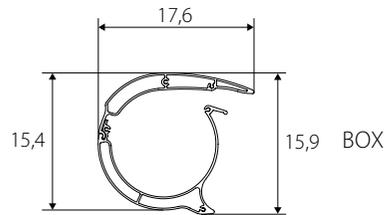


ATHENA® DIMENSIONS

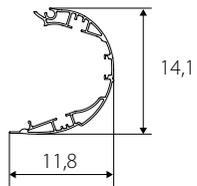
PROFILE SECTION



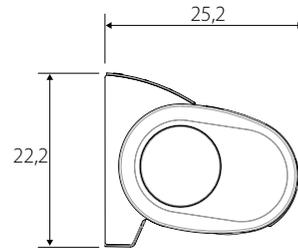
UPPER
PROTECTION



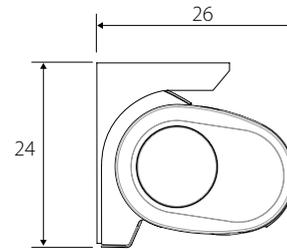
FRONT
PROFILE



WALL ANCHORAGE

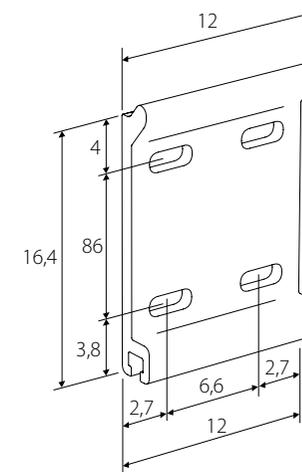


OVERHEAD ANCHORAGE



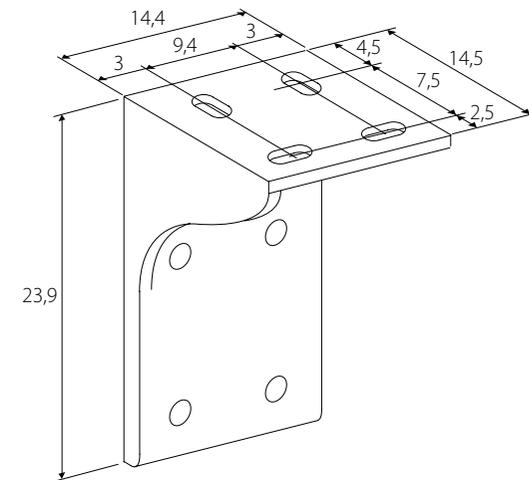
Ceiling fitting applicable solely to
reinforced concrete slabs

WALL BRACKET

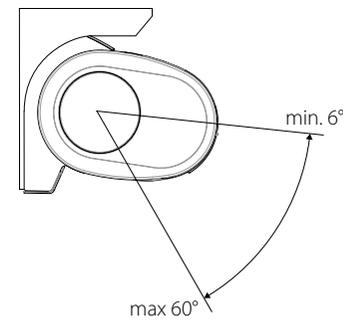
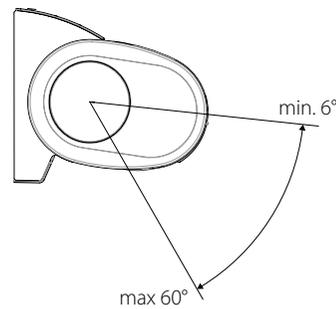


CEILING BRACKET

(to be added to wall bracket)



AWNING SLOPE



All measurements are given in cm.

Dear CLIENT,

The following table contains the features of the components and materials used in Corradi Group products: Pergotenda® collection, sail awnings and outdoor furniture. These features identify the particular nature of the materials and are not to be understood as manufacturing defects.

	PRODUCT FEATURES
GENERAL	The structure is not watertight. In case of particularly violent storms with strong winds water seepage may occur.
	In case wind values should exceed those shown on the statement of correct installation, it is necessary to close the awning. It is possible to use a properly calibrated anemometer.
	The product does not guarantee the snow load. In presence of snow, even of low intensity, the canvas should be closed.
	To have your product warranty the certificate of proper installation is MANDATORY. A copy must be given to the final customer and a copy shall be sent to Corradi SpA. The reception of the duly completed certificate will activate the product warranty.
	Any change to the product not expressly authorized by Corradi SpA leads to loss of warranty.
	The structures that are located in an urban environment are subject to pollutants (smog, acid rain), smoke from chimneys, fumes from cooking, and weather in general. It is normal for the fabric and the structure to get dirty. The structures and the fabric are NOT self-cleaning.
SELF-SUPPORTING	By applying a lateral load on the pillar an oscillation in the structure may occur. This movement is not a sign of structural weakness, but is considered normal for the type of structure. The structure has been calculated by qualified engineers using the Eurocodes and is guaranteed to wind up to the level indicated in the EC certificate and in the Declaration of correct installation.
CANVAS	Depending on the installation conditions, it is possible that the cloth gets dirty (pollutants, smoke from chimneys, smog, etc.). In this case it may be necessary to clean the fabric more frequently as indicated in the section maintenance.
	The cloth is not immune from burns caused by cigarette butts, etc..
	In particular situations of use of the structure, condensation may occur on the inside of the fabric. To limit this condition proceed with an adequate ventilation of the room.
	The appearance of mold in the embossing of the fabric is due to the presence of moisture on the sheet that favors the formation of micro-organisms. It is therefore necessary to clean the fabric at regular intervals, more frequently if necessary.
	The presence of folds on the fabric after the first installation may be due to packaging. It is necessary to keep the fabric in position for at least 10 days, and evaluate the quality of the product after this period of time.
FALSE CEILING	In particular situations of use the structure may present condensation in the area between the canvas and the ceiling. This may cause dirt and / or mold in the intermediate zone. Remove the false ceiling and wash it.
GUTTER	Periodically check that the drain pipes of the gutter and downspouts are clean. Discard leaves and other detritus that can clog the drain holes.
	In case of very heavy rainfall it is possible that the gutter is not able to drain the water. This may cause water infiltrations.
	The water-conducting to the ground may not be controlled by Corradi SpA, but by the final customer. The installation conditions, slopes and any collection wells, are the sole responsibility of the final customer.
LAMPS	To maintain good efficiency in the seals, thereby ensuring the IP product protection level (shown in the manual), you must do the maintenance indicated in the manual.

PRODUCTS FEATURES

	PRODUCT FEATURES
AWNING SAILS	The presence of folds on the sail is due to the long winding of the sail on the roller tube. To limit this phenomenon and to have the warranty the use of the sailcover is mandatory.
	The presence of folds on the sail immediately after the first installation may be due to packaging. The folds will disappear completely after about 6 months of installation.
VELOMBRA FABRICS	The fabrics are "dyed in the piece", this can cause a non-perfect uniformity and consistency of color.
WOOD	WARNING: It is good to remember that any kind of wood type placed outside, and directly exposed to weather elements, may look "lived" even after a relatively short period of time. This manifests itself mainly with:
	• discoloration of the surface (the degradation varies depending on the moisture content to which the wood is subject)
	• with the irregularity of the surface due to cyclic phenomena of swelling and shrinkage and possible mechanical wear of the surface.
	Since wood is a natural material, there are differences in color and grain and therefore all elements are different. Furthermore, depending on the viewing angle the aspect is quite different because of the iridescent nature of the material. The samples and photographic reproductions are thus regarded as indicative and not binding.
	The wood is placed under a protective treatment performed in autoclaving which allows a better resistance to attack by fungus and mold. This treatment is green (due to the salts used for impregnation), and is performed before painting the beams. The appearance of green stripes on the wood as a result of leaching of the paint finish by bad weather is normal in case of bright colors. In this case you must proceed with the maintenance as indicated in the manual. The beams may present vertical stripes of different shades. This is normal and is due to stacking that occurs inside the autoclave during the impregnation treatment (the beams are spaced apart by transverse beams).
	The presence of resin is a characteristic of coniferous wood.
	A dimensional variation of wood products after exposure to moisture is normal. The reference humidity for the measuring is 12% (defined in the UNI EN390: 1997).
FLOOR	The floor may dent in collisions or falling objects and the implementation of concentrated loads on a small area, such as chairs with wheels, high heels and ladders is not suitable.
	The floor can scratch as a result of contact with small objects such as nails or stones present beneath the soles of shoes.
	At the time of delivery, the floor may be different from that of the samples after exposure to light which causes a change in the wood color.
FURNITURE	During the winter it should be protected from the weather. It should be cleaned before being sheltered for the winter.
	If the furniture is used in a marine environment it should be washed periodically with fresh water to remove traces of salt.
	Stainless steel features see STAINLESS STEEL voice
MOTORS	Electrical system: it must be performed by a licensed electrician who shall issue a certificate of conformity of the electrical system.
	The system has to have an appropriate degree of protection being installed outside. A licensed electrician is able to properly size the system and choose the right components (adequate IP protection).
	Any voltage drop or radio interference may result in loss of the limit switches of the engines. In this case it is necessary to proceed with a new programming as indicated in the Manual.
STAINLESS STEEL	The components in stainless steel require no maintenance. The appearance of micro-oxidation, most frequently in maritime environments characterized by salt spray, does not affect the quality and durability of the product such oxidations are believed to be normal. In case you need to remove these oxidized points you can use a steel wool or a metal bristle brush (in stainless steel). The protective film of chromium oxide (autopassivation) will reset in a natural way with the only exposure to air, without any intervention by the user.
ALUMINIUM	The presence of marks and scratches is considered a fault only if these are visible at a distance of 2 meters.
	Do not use acid to clean the painted aluminum, but only mild soap and water.
GLAZING	For aluminum frames refer to the ALUMINIUM voice.

	PRODUCT FEATURES
ERMETIKA®	The temperature inside the protection hood can reach very high values, if exposed to direct sunlight during the summer. This may result in bonding of the fabric if the awning is not handled for long periods. It is recommended to open and close the awning on a frequent basis to avoid this problem.
	If the fabric is rolled up for long periods creases and wrinkles may appear on the fabric. The fabric is made of PVC and its nature is not comparable to a glass. It is necessary to keep the awning stretched for at least 48h to soften creases and wrinkles.
	In case of installation in areas affected by dust and wind (e.g. beach facing the sea) it is possible that the fabric may be damaged losing the transparency due to the combined action of wind and sand.
	To maintain a good efficiency on the awning and the locking device it is necessary to maintain the vertical runners clean as shown in the maintenance chapter.
	Make sure there are no obstructions that may impede the orderly movement of the awning. This may cause malfunction of the locking devices of the awning.
	If there is ice/snow runners should be cleaned thoroughly before operating the awning.
RUNNERS	After some time from the installation and if no periodic maintenance is performed on the runners, as indicated in the manual, there may be noise in the runners and sliders.

CORRADIGROUP

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