



ASSIMAKOPOULOS

Roller Blind System

Optima CAS485-4115-4180



OPTIMA
performance shades

System Types Optima CAS485-4115-4180

ZIP WIND DEVICE

It is the mechanical tensioning system that allows to lock the bottom bar in case of blind completely closed.

Zip wind device is available in 2 versions:

- Ref. 1279 bottom bar block to be used with:
 - ref. 54M5081 mechanical tubular motor with two end stops
 - ref. 1273 aluminum bottom bar 36x67mm
 - ref. 1274 end caps for bottom bar
 - ref. 1275 aluminum side guide 46x60mm set

1279



1600



- Ref. 1600 bottom bar block to be used with:
 - ref. TD54E5081 digital tubular motor Ten2M series TD with three end stops
 - ref. 1273 aluminum bottom bar 36x67mm
 - ref. 1599 end caps for bottom bar
 - ref. 1275 aluminum side guide 46x60mm set

Both versions guarantee the correct tension of the fabric with windproof zipper side guides. Version 1279 is the ideal solution to ensure a perfect fabric tension every time. Version 1600, in addition to maintaining the tension of the fabric, protects the blind even in case of rush wind. Zip Wind Device is an EN 13561: 2015 product for outdoor use. Simple to install, Zip Wind Device works even on slightly sloping floors.

BWD

A unique solution in case of wind. BWD is a mechanical device that protects the tent even in strong winds. BWD, in synchrony with the TD series digital motor, allows to tension the awning fabric.



Technical Specifications Optima CAS485-4115-4180

CASSETTE BLINDS - OPERATED BY:

- 230Vac/50-60Hz Motor (CAS465-485-4115-4180)
- rechargeable battery motor (765)

Applications:

- Vertical

Ambience:

- Frames
- Interior
- Outdoor (BWD; PROW)
- Glass facades

Fabrics:

- Filtering
- Dim Out
- Black-out

Headbox:

- Square shape 65x79,3 mm (CAS465-765), 85x102,2 mm (CAS485), 115x136,5 mm (CAS4115), 180x202,5 mm (CAS180) extruded aluminium 6060 T6 UNI 8278 realized with 2 profiles for fast maintenance

Brackets:

- Thermoplastic brackets shock proof designed to connect to the side guides
- Steel brackets with aesthetical thermoplastic covers
- Steel inox AISI 316 designed to hook up the side guides

Winding Tube:

- Ø30,5-36-40-49-55-60 aluminium tube 6060 T60 UNI 8278 with insert to facilitate insertion and replacement of the fabric.
- Ø70-85-130 in galvanized steel tube with insert to facilitate insertion and replacement of the fabric.

Lateral side guides:

- 6060 T60 UNI 8278 extruded aluminium.
- Telescopic sideguides 6060 T60 UNI 8278 extruded aluminium.
- Steel inox AISI 316 ø4 (CAS485-4115), ø6 mm (CAS4180)
- Zip version 6060 T60 UNI 8278 extruded aluminium

Technical Specifications Optima CAS485-4115-4180

Bottom Bar:

- 6060 T60 UNI 8278 extruded aluminium drop shape with thermoplastic endcap
- 6060 T60 UNI 8278 extruded aluminium drop shape with thermoplastic endcap with eyelets for sideguides
- 6060 T60 UNI 8278 extruded aluminium rectangular shape with thermoplastic endcap

Colors:

- RAL 9016 white polished
 - RAL 9005 black polished
 - Silver anodized
- Available on request

Operating:

- 230V/50Hz M50 tubular motor with end stop integrated. IP 44 Omologation. Switch excluded (CAS465-485-4115-4180)
- 24Vdc tubular motor with rechargeable batteries integrated (765)

Cassette fittings:

- AISI 316 stainless steel wall/ceiling brackets

Lower fixing:

- Stainless steel brackets equipped with floor/wall fixing blocks

Dimensions:

- With aluminium winding tube 6060 T60 UNI 8278 $\phi 28$ Max L 260 x H 400 cm (CAS765); Max L 400 x H 440 cm (CAS465-485-4115)
- With aluminium winding tube 6060 T60 UNI 8278 $\phi 130$ Max L 600 x H 800 cm (CAS4180)
- With steel winding tube $\phi 70$ -85 Max L 400 x H 440 cm (CAS4115)

Optional:

- Tubular motor with RF radio receiver on board
- Digital tubular motor with RF Ten2M radio receiver on board
- Windproof device "BWD" (CAS485-4115-4180)

Technical Specifications Optima CAS485-4115-4180

Advantages

CAS4180 is equipped with a mechanism integrated in one of the two lateral supports which allows the adjustment of the horizontal axis of the winding tube. This facilitates the installation and proper functioning of the blind.



PROW side guides guarantees a perfect and safe performance, when used externally, in the presence of wind, as prescribed by the EC certification. The PROW side guides are available in four versions: ref. 1240 (40x27mm), 1241 (55x27 mm), 1270 (50x46 mm), 1275 (60x46 mm) for CAS485 and CAS4115 PROW ref. 1275 (60x46 mm) for CAS4180 PROW.

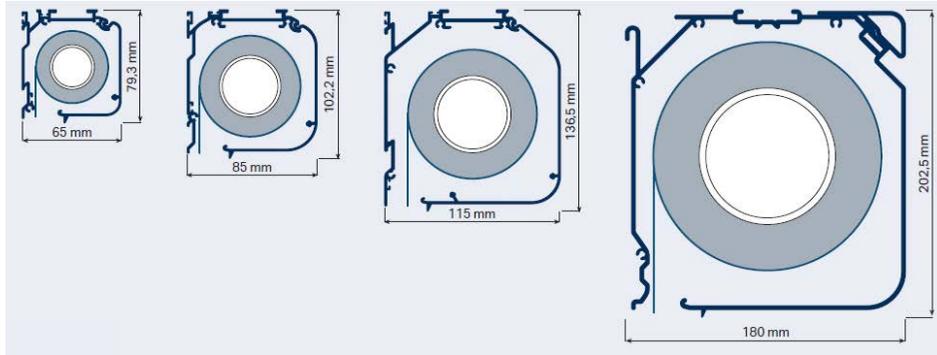
PROW side guides guarantee a perfect seal against the wind. The welded zippers on the fabric prevent the fabric from coming out of the guide, while the inox steel thrust-bearing springs, ensure uniform tension of the fabric, even in the presence of imperfect walls



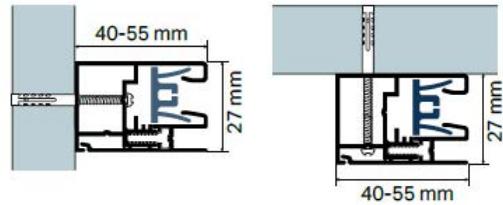
CE EN 13562: 2015						
SYSTEM	SCREEN 550/600 g/m2	CE EN 13561:2015	MAX WIND SPEED	BLACKOUT 550/600 g/m2	CE EN 13561:2015	
CAS485	.	5	75 Km/h			
CAS4115	.	4	60 Km/h			
CAS4180	.	2	38 Km/h	.		
CAS485 WPRO	.	6	90 Km/h	.	6	
CAS4115 WPRO	.	6	90 Km/h	.	6	
CAS4180 WPRO	.	3	49 Km/h	.	3	

Planning Information Optima CAS485-4115-4180

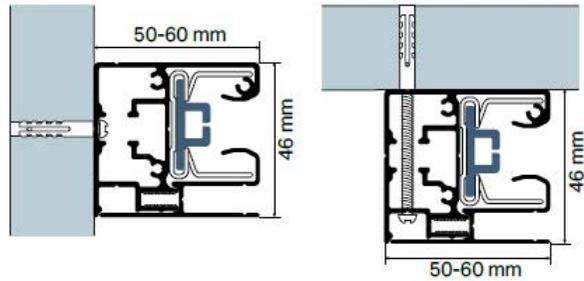
Brackets & Windproof side guides
(aluminum profile & wire)



1240 (40x27mm)
1241 (55x27mm)

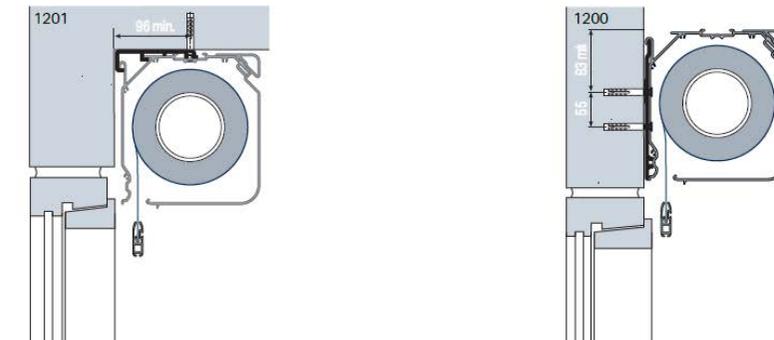
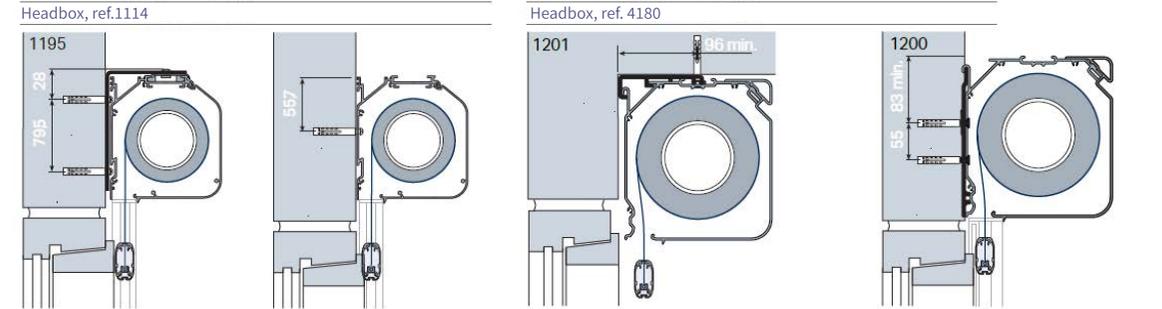
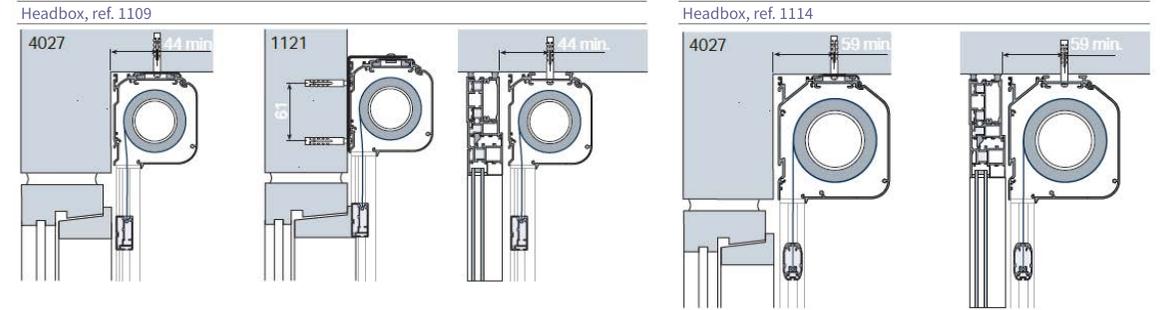


1270 (50x46 mm)
1275 (60x46 mm)



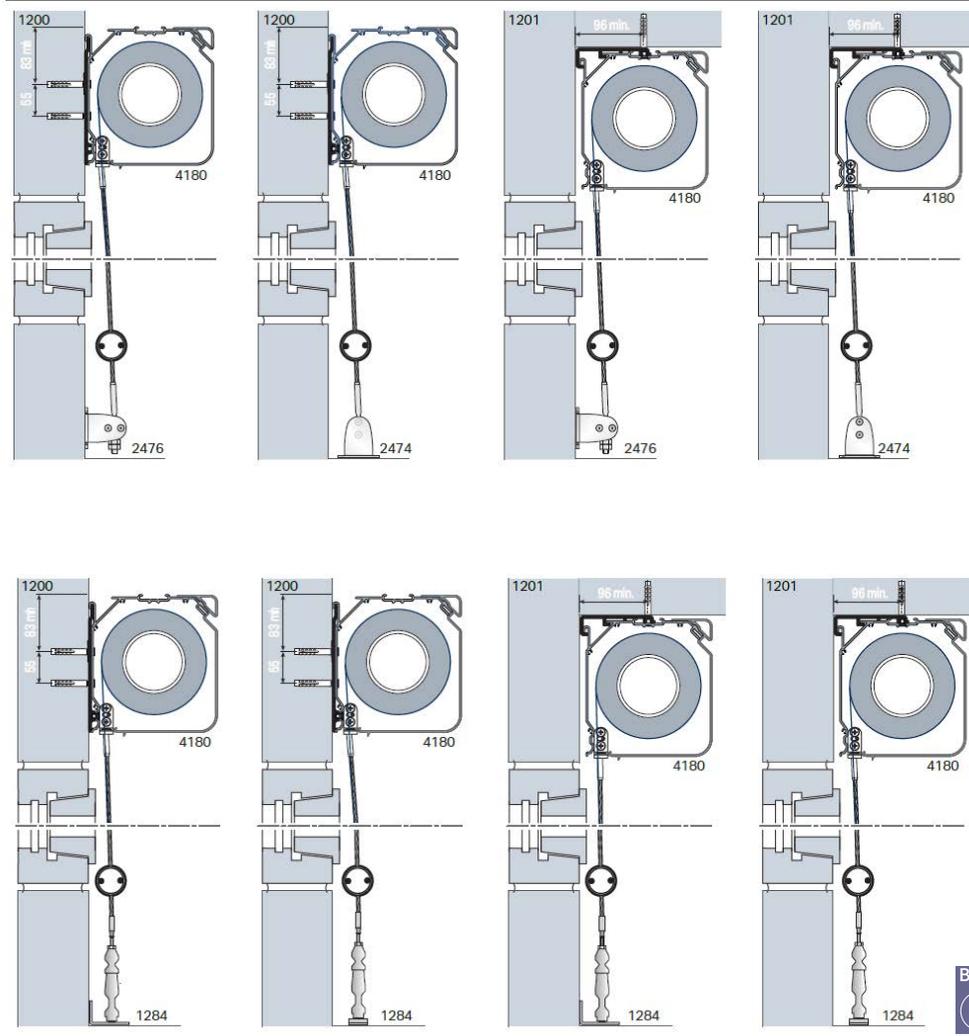
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Brackets & Windproof side guides
(aluminum profile & wire)



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Brackets & Windproof side guides
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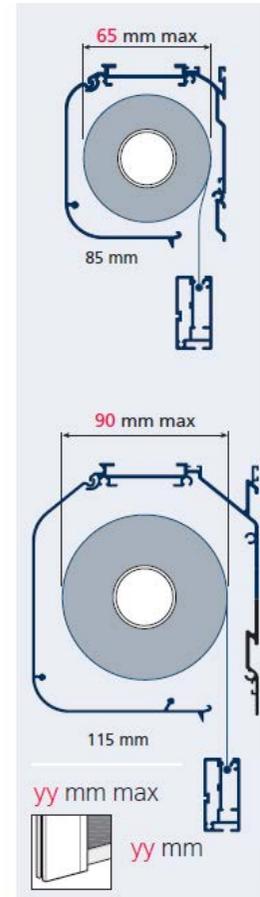
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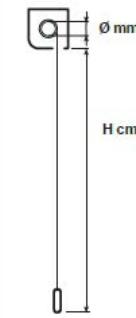
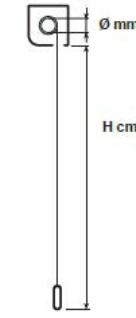
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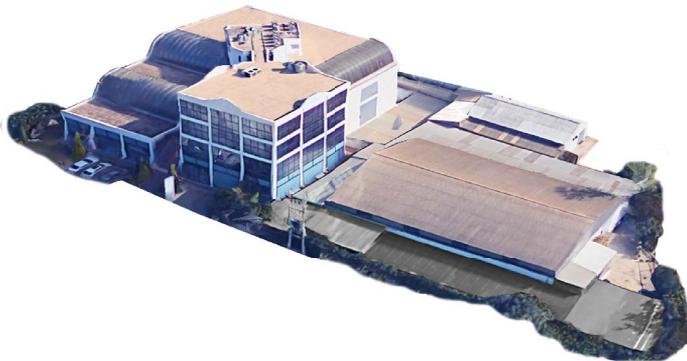
Maximum Dimensions
(based on fabric weight)

Winding diameters PROW



Kg	100 gr/m ²	200 gr/m ²	350 gr/m ²	400 gr/m ²	550 gr/m ²
	0,1 mm	0,3 mm	0,4 mm	0,55 mm	0,75 mm
ø40	# mm				
100	50,6	53,7	55,1	57,3	60,0
120	50,8	54,4	55,9	58,4	61,4
140	51,1	55,0	56,8	59,4	62,7
160	51,3	55,7	57,6	60,5	64,1
180	51,6	56,3	58,4	61,6	65,4
200	51,8	57,0	59,3	62,6	66,8
220	52,0	57,6	60,1	63,7	68,2
240	52,3	58,3	60,9	64,8	69,5
260	52,5	58,9	61,8	65,8	70,9
280	52,8	59,6	62,6	66,9	72,2
300	53,0	60,2	63,4	68,0	73,6
320	53,2	60,9	64,3	69,0	75,0
340	53,5	61,5	65,1	70,1	76,3
360	53,7	62,2	65,9	71,2	77,7
380	54,0	62,8	66,8	72,2	79,0
400	54,2	63,5	67,6	73,3	80,4
ø49	# mm				
100	60,3	62,9	64,2	66,0	68,5
120	60,5	63,5	64,9	67,0	69,7
140	60,7	64,0	65,7	67,9	71,0
160	60,9	64,6	66,4	68,9	72,2
180	61,1	65,2	67,1	69,8	73,4
200	61,3	65,8	67,9	70,8	74,6
220	61,5	66,3	68,6	71,7	75,9
240	61,7	66,9	69,3	72,7	77,1
260	62,0	67,5	70,1	73,6	78,3
280	62,2	68,1	70,8	74,6	79,5
300	62,4	68,6	71,5	75,5	80,8
320	62,6	69,2	72,3	76,5	82,0
340	62,8	69,8	73,0	77,4	83,2
360	63,0	70,4	73,7	78,4	84,4
380	63,2	70,9	74,5	79,3	85,7
400	63,4	71,5	75,2	80,3	86,9





Company Profile

Optima blinds are supplied exclusively by N. Assimakopoulos SA being the largest manufacturing company in natural light control system applications while exceeding 50 years of specialization and involving staff/partners of 40 people.

In privately owned facilities of 5,000 sq.m. in Elliniko the company sells its products with vertical organization that optimizes cost, quality and delivery time through:

- Import or domestic production of A & B materials.
- Processing and assembly using hydraulic/pneumatic forming machines for cutting/drilling aluminum sheets or profiles, laser/ultrasonic plotters and machine tools of own machine shop down to finished, aesthetically and functionally tested final systems.
- Study and project management by specialized engineers/designers and implementers of proven know-how who offer long lasting reliable solutions to special requirements.
- Installation by specialized crews trained and supervised by engineers with over 25 years of experience in the organization of construction sites and technical applications.
- After-sales support (maintenance, repair, spare parts).
- ISO 9001/14001 certified customer-order/environmental management procedures respectively.

Head Office - Factory:

2 Rizountos Str. & Thrakis Str. 16777,
Elliniko, Athens GR
(+30) 210 9600 960
(fax) 210 9607 429
info@assimakopoulos.gr

Optima Elements Voula:

58 Vouliagmenis Ave.,
16673, Greece
210 9680539,
210 9680739
voula@optimaelements.gr

Optima Elements Marousi:

Marousi - 139 Kifisias Ave.
& Marathonodromou,
15124, Greece
210 8054190, 210 8054580
marousi@optimaelements.gr



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