



**ELECTRONIC  
DRIVE SYSTEMS**

PRODUCT BOOK

## EXPECT MORE

We believe in the power of constant evolution.

We put all our energy into motion,  
in the pursuit of systems that make life more comfortable and sustainable.

We chose to listen and co-design  
because we know that the most effective ideas come from working together.

Together with our customers and partners,  
we contribute to the improvement of living spaces  
with complete sun protection solutions: efficient, versatile and reliable.

Our Italian roots are an essential part of who we are.  
We are proud of our history as an industrial family and  
grateful to the people who make it possible for us to grow  
as an international group today.

We value this precious heritage of skills and passion in everything we do,  
constantly striving to be better and to surpass ourselves every day.

Beyond expectations, beyond results, we always ask for more.



**CHERUBINI**  
tocco italiano dal 1947



# A CONTINUOUSLY EVOLG STORY

75 years of expertise in design and manufacturing

1947



**From a small handicraft business to the most rigorous Swiss standards.**

In the Italy of reconstruction, Cherubini first activity is the forging of metals. During the economic boom of the 1960s we begin our growth as an international supplier of accessories for glass doors.

1970



**Reorganization, diversification, expansion.**

The updating of our technologies and business processes allows us to expand the range of products with the first solutions for awnings and screens. The company's international vision takes shape with the opening of the first sales office in Geneva.

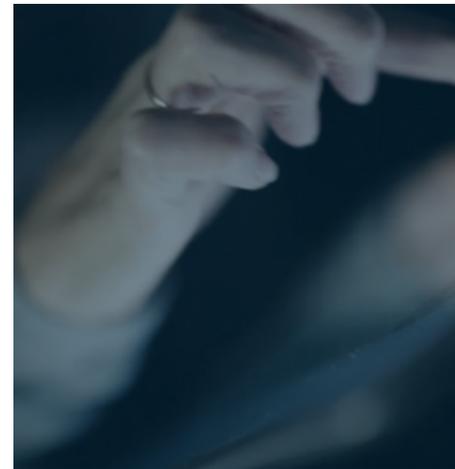
1990



**A new horizon: the electronic solutions**

Thanks to years of R&D and product engineering investments, we become true ambassadors of Made in Italy by merging our local craftsmanship with advanced know-how in technology. The result is an increasingly integrated range between manual and electronic systems.

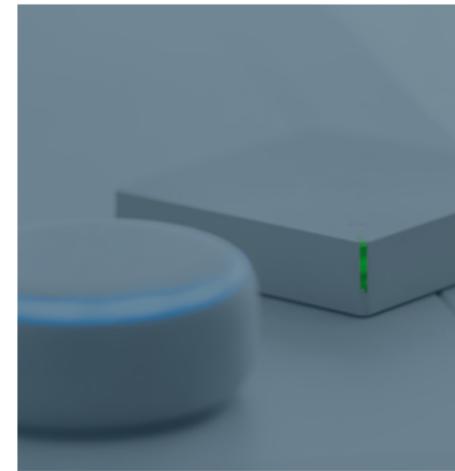
2000



**The Home Automation era.**

New operating branches in Italy, France, Germany, Spain, China and Turkey lead us closer to our customers. The new challenge is to combine electronics and home automation in cutting-edge solutions, able to offer customizable living comfort worldwide.

2020



**The new standards of the Smart Home.**

We are committed to constantly developing the best solutions for home automation, by integrating our products in complete and modular ecosystems.

2023



**Matter: the Smart Home revolution.**

We face a real radical transformation in the way we think about home automation and the smart home.

# LEGEND

## TECHNOLOGY



### Cherubini Remote Control (RX Motors)

The radio system built into all RX motors enables encrypted transmission of the command between the motor and the remote control.

Easy programming and operation: the motor confirms all the steps by means of small rotations.

## SYMBOLS LEGEND



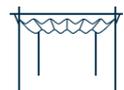
Awnings



Screens and mosquito nets



Rolling shutters



Pergola



Adjustable shutters

## SERVICES



### Training

We are committed to training as the foundation for proper counselling and installation of our products. The aim of our training courses for professional installers is to prepare our clients and their installers in technical training and sales counselling.



### Technical service

Assistance in the installation, dealing by phone with a technician from the Cherubini team, or resolving pre-installation queries.



### Technical-sales team

The technical-sales team will assist in identifying your needs so they can offer the most adequate product. Sales and technical counselling and support for projects and estimates. Direct phone contact with the client and the installation for on-site solutions to any incident or query.

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Wired, with manual override - mechanical LS

With integrated radio and manual override - mechanical LS

With integrated radio - electronic LS

With integrated radio - electronic LS

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## motors Ø 58

Wired, with manual override - mechanical LS

With integrated radio - electronic LS

With integrated radio - electronic LS

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# OCEAN Ø45



## Mechanical limit switch

Reliable and easy adjustment of the limit switches.  
Double access to the adjusting screws.

## Compact override

Thanks to its small size, this device can be installed in limited spaces.  
The reduction ratio is 1:24.

## Attachment without brackets

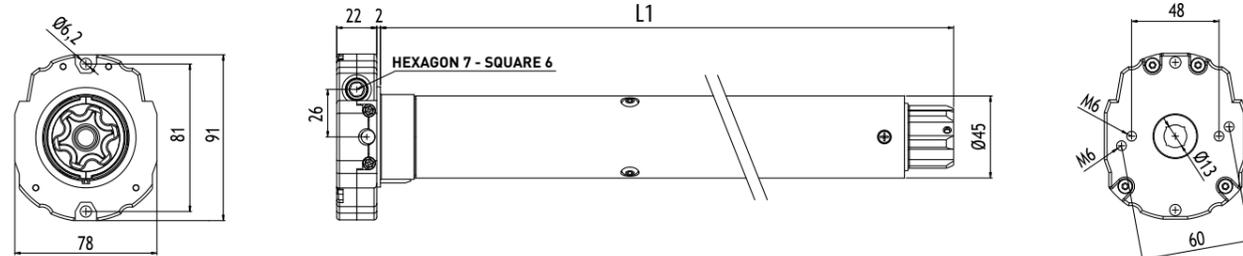
Thanks to the metallic head, the motor can be fastened directly to the bracket without needing additional supports.

## Strength and safety

The star-shaped metallic reducer pin makes the motor highly reliable.



## MOTOR WITH WIRE CONTROL AND OVERRIDE



# OCEAN Ø45

## APPLICATION



## MAIN CHARACTERISTICS

Code	Head	Torque	Speed	Certifications
<b>CMS45322000</b>	Zama	32 Nm	20 rpm	in progress*
<b>CMS45401400</b>	Zama	40 Nm	14 rpm	in progress*
<b>CMS45501400</b>	Zama	50 Nm	14 rpm	in progress*

\* Certification process in progress. Ask your Cherubini contact to check availability.

## TECHNICAL FEATURES

	32/20	40/14	50/14
Motor torque (Nm)	32	40	50
Speed (rpm)	20	14	14
Maximum turns	32	32	32
Power (W)	250	250	250
Power supply (V/Hz)	120/60	120/60	120/60
Consumption (A)	2,10	2,10	2,10
Cable 4 x AWG18 (m)	lg. 2,5	lg. 2,5	lg. 2,5
Operating time (min)	4	4	4
Protection degree	IP44	IP44	IP44
Weight (kg)	4,0	4,0	4,0
L1 (mm)	670	670	670

	32/20	40/14	50/14
Motor torque (Nm)	32	40	50
Speed (rpm)	20	14	14
Maximum turns	32	32	32
Power (W)	250	250	250
Power supply (V/Hz)	120/60	120/60	120/60
Consumption (A)	2,10	2,10	2,10
Cable 4 x AWG18 (m)	lg. 2,5	lg. 2,5	lg. 2,5
Operating time (min)	4	4	4
Protection degree	IP44	IP44	IP44
Weight (kg)	4,0	4,0	4,0
L1 (mm)	670	670	670

## ACCESSORIES FOR MANUAL OPERATION

For a complete list see "Accessories for manual operation" on page 32



**Foldable crank**  
with hook length 150 cm  
Ref. 7463 150G 2101



**Operating crank**  
lg. 150 cm  
Ref. 9100 150L CH02



**Eye with hexagon**  
7 x 86 mm  
Ref. 6010 7008 CH16

# OCEAN RX Ø45



## Mechanical limit switch

### Built-in radio receiver et override device

The reduction ratio is 1:24.

### Safety and simplicity

High-safety coding system "Rolling Code".

Easy programming and operation: the motor confirms all the steps by means of small rotations.

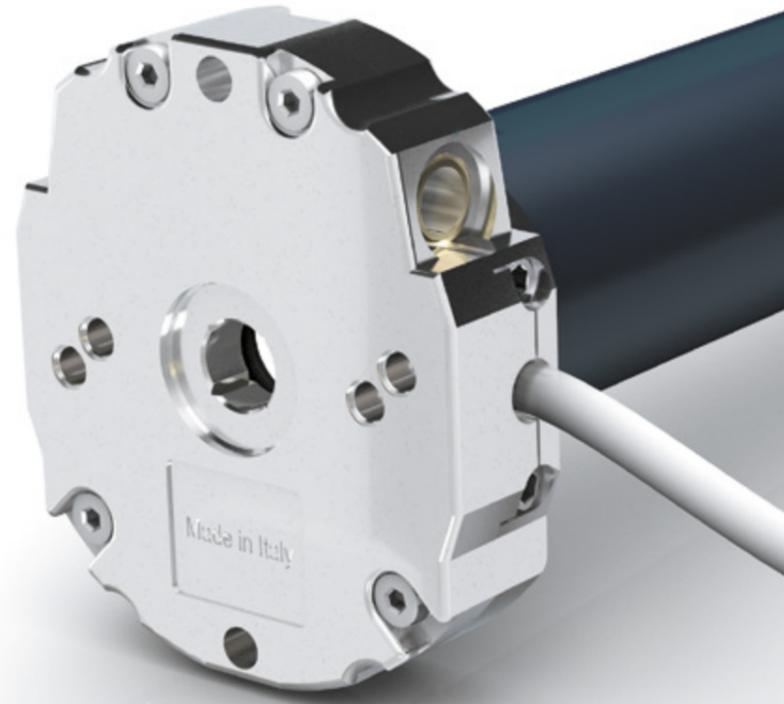
### Specific functions

- Precise adjustment for cassette awnings: the mechanical stop and regulation of the closing force enable the perfect awning closure, avoiding the danger of excessive pull on the fabric.
- Obstacle detection upwards, sensitivity setting on 3 levels possible via remote control.
- Direct fixing to the bracket without using supports.

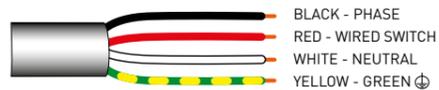
### Optional connections

Wired switch.

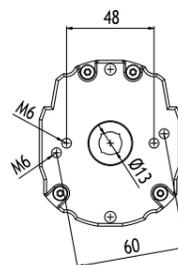
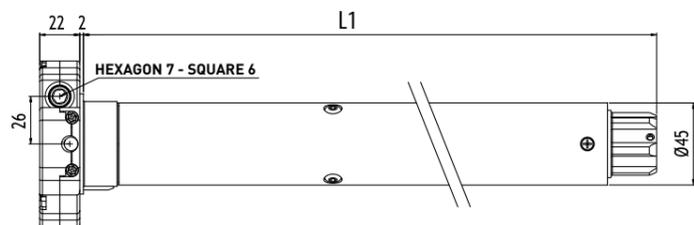
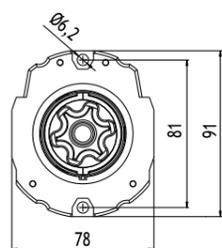
Connection to Mistral wind sensor via radio.



### MOTOR WITH BUILT-IN RECEIVER AND OVERRIDE DEVICE



BLACK - PHASE  
RED - WIRED SWITCH  
WHITE - NEUTRAL  
YELLOW - GREEN ⚡



## OCEAN RX Ø45

### MAIN CHARACTERISTICS

#### APPLICATION



#### TECHNOLOGY



Code	Head	Torque	Speed	Certifications
CMX45322000	Zama	32 Nm	20 rpm	in progress*
CMX45401400	Zama	40 Nm	14 rpm	in progress*
CMX45501400	Zama	50 Nm	14 rpm	in progress*

\* Certification process in progress. Ask your Cherubini contact to check availability.

### TECHNICAL FEATURES

	32/20	40/14	50/14
Motor torque (Nm)	32	40	50
Speed (rpm)	20	14	14
Maximum turns	32	32	32
Power (W)	250	250	250
Power supply (V/Hz)	120/60	120/60	120/60
Radio frequency (MHz)	433	433	433
Consumption (A)	2,10	2,10	2,10
Cable 4 x AWG18 (m)	lg. 2,5	lg. 2,5	lg. 2,5
Operating time (min)	4	4	4
Protection degree	IP44	IP44	IP44
Receiver storage capacity (No. Remote controls)	15	15	15
Weight (kg)	4,2	4,2	4,2
L1 (mm)	725	725	725

	32/20	40/14	50/14
Motor torque (Nm)	32	40	50
Speed (rpm)	20	14	14
Maximum turns	32	32	32
Power (W)	250	250	250
Power supply (V/Hz)	120/60	120/60	120/60
Radio frequency (MHz)	433	433	433
Consumption (A)	2,10	2,10	2,10
Cable 4 x AWG18 (m)	lg. 2,5	lg. 2,5	lg. 2,5
Operating time (min)	4	4	4
Protection degree	IP44	IP44	IP44
Receiver storage capacity (No. Remote controls)	15	15	15
Weight (kg)	4,2	4,2	4,2
L1 (mm)	725	725	725

### ACCESSORIES FOR MANUAL OPERATION

For a complete list see "Accessories for manual operation" on page 32



**Foldable crank**  
with hook length 150 cm  
Ref. 7463 150G 2101



**Operating crank**  
lg. 150 cm  
Ref. 9100 150L CH02



**Eye with hexagon**  
7 x 86 mm  
Ref. 6010 7008 CH16



**Cherubini Remote Controls**

One-channel, multi-channel remote controls.



**Climatic control Mistral**

Wireless vibrating wind sensor.

### COMPATIBLE SYSTEMS

# WAVE RX Ø45

the motor for all awning types



**Electronic limit switch with built-in receiver, wire and radio control**

### Attachment without brackets

Thanks to the metallic head, the motor can be fastened directly to the bracket.

### Adjustment of the closing force

The possibility to adjust the applied force ensures the perfect closing of the cassette awnings and avoids the danger of over-stretching the awning fabric.

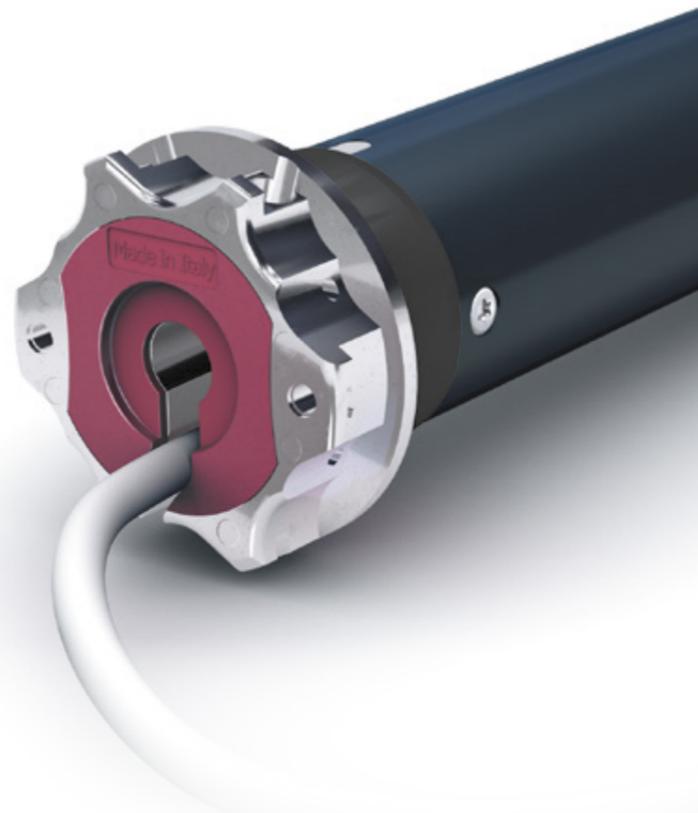
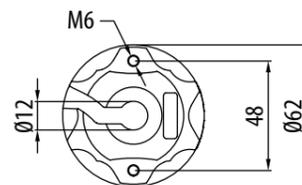
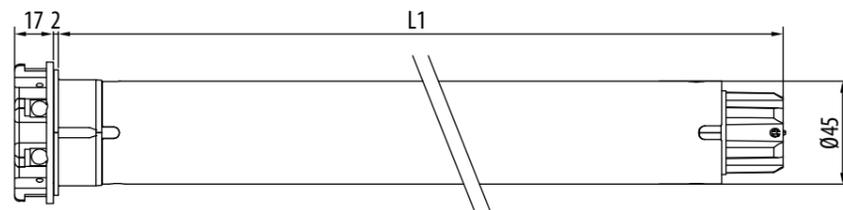
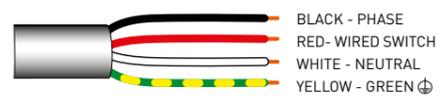
### Specific functions

- "Super-sensitivity" function on obstacle detection (downwards), set by remote control, setting on 3 levels possible (only for 10 and 15 Nm).
- Obstacle detection upwards, sensitivity setting on 3 levels possible.
- Torque control for the stop in closing position of cassette awnings.
- Possibility of memorising an intermediate position.
- Setting possible with remote control or wired switch.

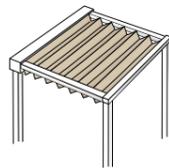
### Optional connections

- Wired switch.
- Connection to Mistral wind sensor via radio.

### MOTOR WITH BUILT-IN RECEIVER

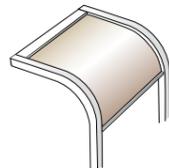


### FUNCTIONS FOR PERGOLAS AND VERANDAS



#### Pitched pergolas

On pitched pergolas the motor stops automatically when the fabric reaches its point of greatest extension: performing a remote control sequence is sufficient to program the limit switches. From that moment onwards each time the motor reaches the opening limit switch position, it stops so that it keeps the awning fabric taut.



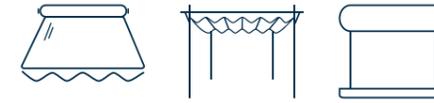
#### Pergolas and horizontal awnings

For pergolas and horizontal awnings it is possible to activate the Fabric Tightening function: the motor, after reaching the outer limit, automatically performs a short backwards turn to tighten the fabric.

## WAVE RX Ø45

### MAIN CHARACTERISTICS

#### APPLICATION



#### TECHNOLOGY



Code	Head	Torque	Speed	Certifications
<b>CET45102000</b>	Zama	10 Nm	20 rpm	
<b>CET45152000</b>	Zama	15 Nm	20 rpm	
<b>CET45322000</b>	Zama	32 Nm	20 rpm	
<b>CET45401400</b>	Zama	40 Nm	14 rpm	
<b>CET45501400</b>	Zama	50 Nm	14 rpm	in progress*

\* Certification process in progress. Ask your Cherubini contact to check availability.

### TECHNICAL FEATURES

Motor torque (Nm)	10	15	32	40	50
Speed (rpm)	20	20	20	14	14
Power (W)	175	190	250	250	250
Power supply (V/Hz)	120/60	120/60	120/60	120/60	120/60
Radio frequency (MHz)	433	433	433	433	433
Consumption (A)	1,50	1,65	2,10	2,10	2,10
Cable 4 x AWG18 (m)	lg. 3				
Operating time (min)	4	4	4	4	4
Protection degree	IP44	IP44	IP44	IP44	IP44
Receiver storage capacity (No. Remote controls)	15	15	15	15	15
Weight (kg)	3,1	3,1	3,6	3,6	3,6
L1 (mm)	503	503	543	543	543

10/20	15/20	32/20	40/14	50/14
10	15	32	40	50
20	20	20	14	14
175	190	250	250	250
120/60	120/60	120/60	120/60	120/60
433	433	433	433	433
1,50	1,65	2,10	2,10	2,10
lg. 3				
4	4	4	4	4
IP44	IP44	IP44	IP44	IP44
15	15	15	15	15
3,1	3,1	3,6	3,6	3,6
503	503	543	543	543



#### Cherubini Remote Controls

One-channel, multi-channel remote controls.



#### Climatic control Mistral

Wireless vibrating wind sensor.

### COMPATIBLE SYSTEMS

# TRONIC RX

## Ø45

### safety and comfort



#### Electronic limit switch with built-in receiver, wire and radio control

Simple and intuitive adjustment of the limit switches from the remote control.

The encoder technology makes it possible to keep the position set with optimum precision and reliability.

#### Safety and simplicity

High-safety coding system "Rolling Code".

Easy programming and operation: the motor confirms all the steps by means of small rotations.

#### Specific functions

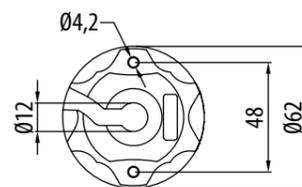
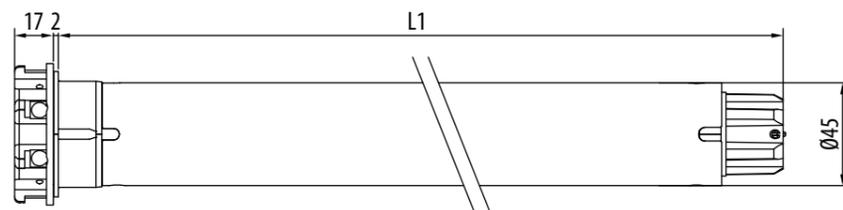
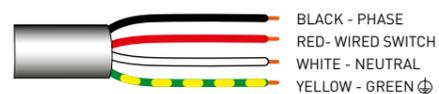
- Manual and semi-automatic adjustment of the limit switches.
- Protection against freezing and obstacle detection on both directions, sensitivity setting on 3 levels possible.
- Possibility of memorising an intermediate position.
- Setting possible with remote control or wired switch.

#### Optional connections

Wired switch.



#### MOTOR WITH BUILT-IN RECEIVER



## TRONIC RX

### Ø45

#### MAIN CHARACTERISTICS

#### TECHNICAL FEATURES

Motor torque (Nm)	10	15	32	40	50
Speed (rpm)	20	20	20	14	14
Power (W)	175	190	250	250	250
Power supply (V/Hz)	120/60	120/60	120/60	120/60	120/60
Radio frequency (MHz)	433	433	433	433	433
Consumption (A)	1,50	1,65	2,10	2,10	2,10
Cable 4 x AWG18 (m)	lg. 3				
Operating time (min)	4	4	4	4	4
Protection degree	IP44	IP44	IP44	IP44	IP44
Receiver storage capacity (No. Remote controls)	15	15	15	15	15
Weight (kg)	3,1	3,1	3,6	3,6	3,6
L1 (mm)	503	503	543	543	543

#### APPLICATION



#### TECHNOLOGY



Code	Head	Torque	Speed	Certifications
<b>CER45102000</b>	Zama	10 Nm	20 rpm	
<b>CER45152000</b>	Zama	15 Nm	20 rpm	
<b>CER45322000</b>	Zama	32 Nm	20 rpm	
<b>CER45401400</b>	Zama	40 Nm	14 rpm	
<b>CER45501400</b>	Zama	50 Nm	14 rpm	

\* Certification process in progress. Ask your Cherubini contact to check availability.

	10/20	15/20	32/20	40/14	50/14
Motor torque (Nm)	10	15	32	40	50
Speed (rpm)	20	20	20	14	14
Power (W)	175	190	250	250	250
Power supply (V/Hz)	120/60	120/60	120/60	120/60	120/60
Radio frequency (MHz)	433	433	433	433	433
Consumption (A)	1,50	1,65	2,10	2,10	2,10
Cable 4 x AWG18 (m)	lg. 3				
Operating time (min)	4	4	4	4	4
Protection degree	IP44	IP44	IP44	IP44	IP44
Receiver storage capacity (No. Remote controls)	15	15	15	15	15
Weight (kg)	3,1	3,1	3,6	3,6	3,6
L1 (mm)	503	503	543	543	543



#### Cherubini Remote Controls

One-channel, multi-channel remote controls.

#### COMPATIBLE SYSTEMS

# OCEAN Ø58



## Mechanical limit switch

Reliable and easy adjustment of the limit switches.  
Double access to the adjusting screws.

## Strength and safety

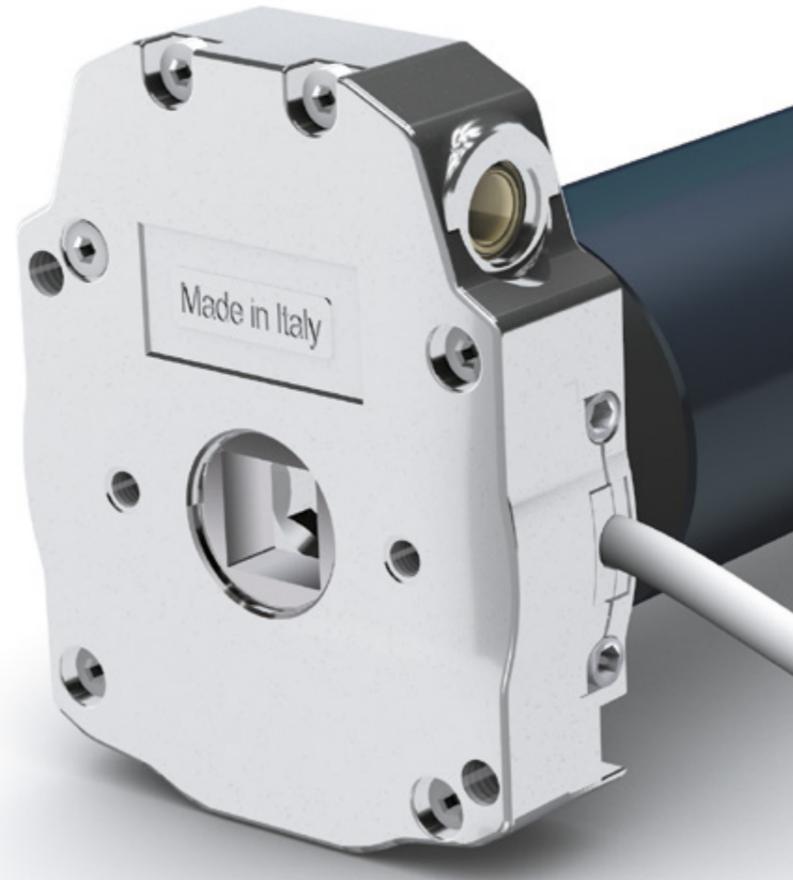
The star-shaped metallic reducer pin makes the motor highly reliable.

## Attachment without brackets

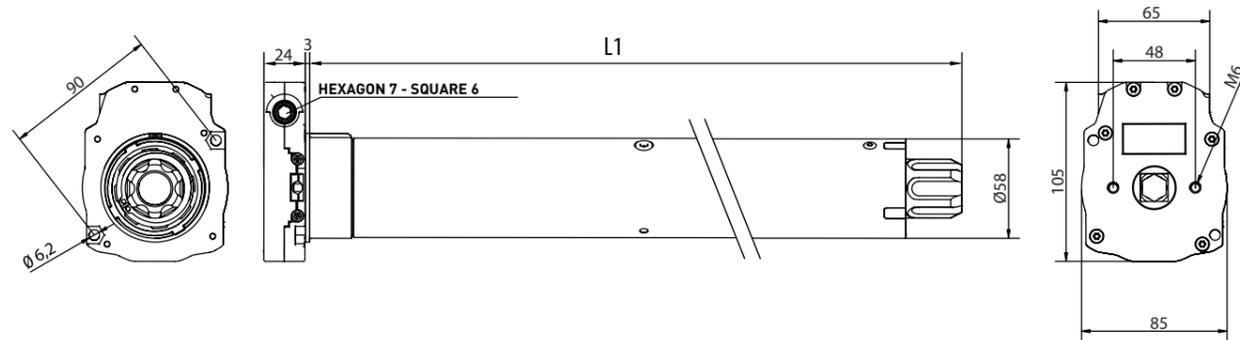
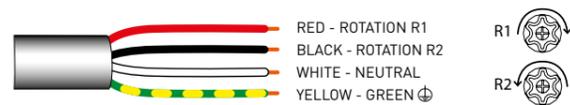
Thanks to the metallic head, the motor can be fastened directly to the bracket without needing additional supports.

## Compact override

Thanks to its small size, this device can be installed in limited spaces.  
The reduction ratio is 1:55.



## MOTOR WITH WIRE CONTROL AND OVERRIDE



# OCEAN Ø58

## APPLICATION



## MAIN CHARACTERISTICS

Code	Head	Torque	Speed	Certifications
<b>CMS58061400</b>	Zama	60 Nm	14 rpm	in progress*
<b>CMS58081400</b>	Zama	80 Nm	14 rpm	in progress*
<b>CMS58xxxxxx</b>	Zama	100 Nm	14 rpm	UNDER DEVELOPMENT**

\* Certification process in progress. Ask your Cherubini contact to check availability.  
\*\* Product under development. Ask your Cherubini contact to check availability.

## TECHNICAL FEATURES

Motor torque (Nm)	60	80
Speed (rpm)	14	14
Maximum turns	29	29
Power (W)	310	380
Power supply (V/Hz)	120/60	120/60
Consumption (A)	2,60	3,20
Cable 4 x AWG18 (m)	lg. 2,5	lg. 2,5
Operating time (min)	4	4
Protection degree	IP44	IP44
Weight (kg)	7,0	7,0
L1 (mm)	703	703

60/14	80/14
60	80
14	14
29	29
310	380
120/60	120/60
2,60	3,20
lg. 2,5	lg. 2,5
4	4
IP44	IP44
7,0	7,0
703	703

## ACCESSORIES FOR MANUAL OPERATION

For a complete list see "Accessories for manual operation" on page 32



**Foldable crank**  
with hook length 150 cm  
Ref. 7463 150G 2101



**Operating crank**  
lg. 150 cm  
Ref. 9100 150L CH02



**Eye with hexagon**  
7 x 86 mm  
Ref. 6010 7008 CH16

## COMPATIBLE SYSTEMS

TDS Compact and Compact ROLL radio receivers are under development.  
Ask your Cherubini contact for availability.

## AUTOMATION OF THE MOTOR WITH MANUAL OVERRIDE DEVICE

Ocean combined with TDS Compact and Compact Roll radio receivers becomes a radio controlled motor and takes on new functions.

**Moving the override, the end positions remain unchanged.**



### OCEAN + TDS Compact

- Obstacle recognition during closing.
- Closing force adjustment on 3 levels possible.
- First intermediate position programmable from the remote control.
- Second intermediate position programmable from the remote control and controlled by the WindTec Lux light sensor.



### OCEAN + Compact ROLL

- Obstacle detection on both directions, sensitivity setting on 3 levels possible.
- Two intermediate positions that are programmable and usable from the remote control.

# WAVE RX Ø58

the motor for all awning types



**Electronic limit switch with built-in receiver, wire and radio control**

**Attachment without brackets**

Thanks to the metallic head, the motor can be fastened directly to the bracket.

**Adjustment of the closing force**

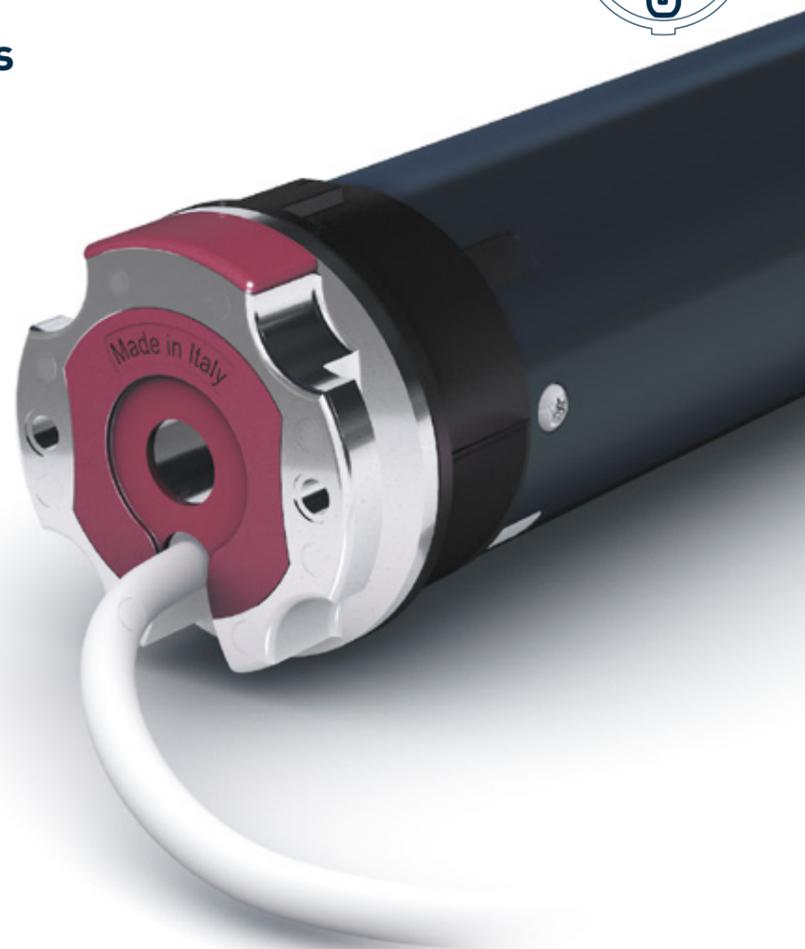
The possibility to adjust the applied force ensures the perfect closing of the cassette awnings and avoids the danger of overstretching the awning fabric.

**Specific functions**

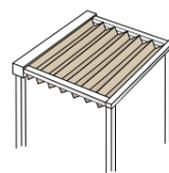
- Obstacle detection upwards, sensitivity setting on 3 levels possible.
- Torque control for the stop in closing position of cassette awnings.
- Possibility of memorising an intermediate position.
- Setting possible with remote control or wired switch.

**Optional connections**

- Wired switch.
- Connection to Mistral wind sensor via radio.

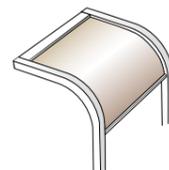


## FUNCTIONS FOR PERGOLAS AND VERANDAS



### Pitched pergolas

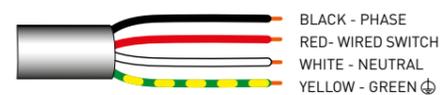
On pitched pergolas the motor stops automatically when the fabric reaches its point of greatest extension: performing a remote control sequence is sufficient to program the limit switches. From that moment onwards each time the motor reaches the opening limit switch position, it stops so that it keeps the awning fabric taut.



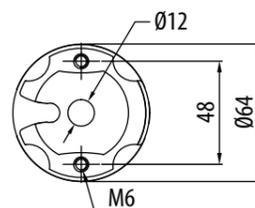
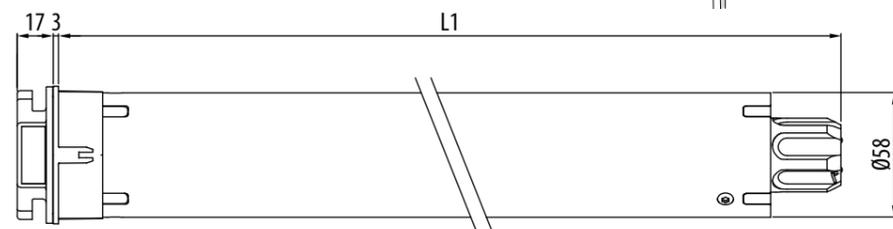
### Pergolas and horizontal awnings

For pergolas and horizontal awnings it is possible to activate the Fabric Tightening function: the motor, after reaching the outer limit, automatically performs a short backwards turn to tighten the fabric.

## MOTOR WITH BUILT-IN RECEIVER



- BLACK - PHASE
- RED - WIRED SWITCH
- WHITE - NEUTRAL
- YELLOW - GREEN ⊕



## WAVE RX Ø58

### MAIN CHARACTERISTICS

### APPLICATION



### TECHNOLOGY



Code	Head	Torque	Speed	Certifications
<b>CET58061400</b>	Zama	60 Nm	14 rpm	
<b>CET58081400</b>	Zama	80 Nm	14 rpm	
<b>CET58xxxxxx</b>	Zama	100 Nm	14 rpm	<b>UNDER DEVELOPMENT**</b>

\*\* Product under development. Ask your Cherubini contact to check availability.

### TECHNICAL FEATURES

	60/14	80/14
Motor torque (Nm)	60	80
Speed (rpm)	14	14
Power (W)	310	380
Power supply (V/Hz)	120/60	120/60
Radio frequency (MHz)	433	433
Consumption (A)	2,60	3,20
Cable 4 x AWG18 (m)	lg. 3	lg. 3
Operating time (min)	4	4
Protection degree	IP44	IP44
Receiver storage capacity (No. Remote controls)	15	15
Weight (kg)	6,0	6,0
L1 (mm)	700	700

### COMPATIBLE SYSTEMS



#### Cherubini Remote Controls

One-channel, multi-channel remote controls.



#### Climatic control Mistral

Wireless vibrating wind sensor.

# TRONIC RX Ø58

safety and comfort



## Electronic limit switch with built-in receiver, wire and radio control

Simple and intuitive adjustment of the limit switches from the remote control.

The encoder technology makes it possible to keep the position set with optimum precision and reliability.

## Safety and simplicity

High-safety coding system "Rolling Code".

Easy programming and operation: the motor confirms all the steps by means of small rotations.

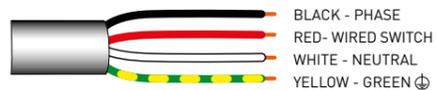
## Specific functions

- Manual and semi-automatic adjustment of the limit switches.
- Protection against freezing and obstacle detection on both directions, sensitivity setting on 3 levels possible.
- Possibility of memorising an intermediate position.
- Setting possible with remote control or wired switch.

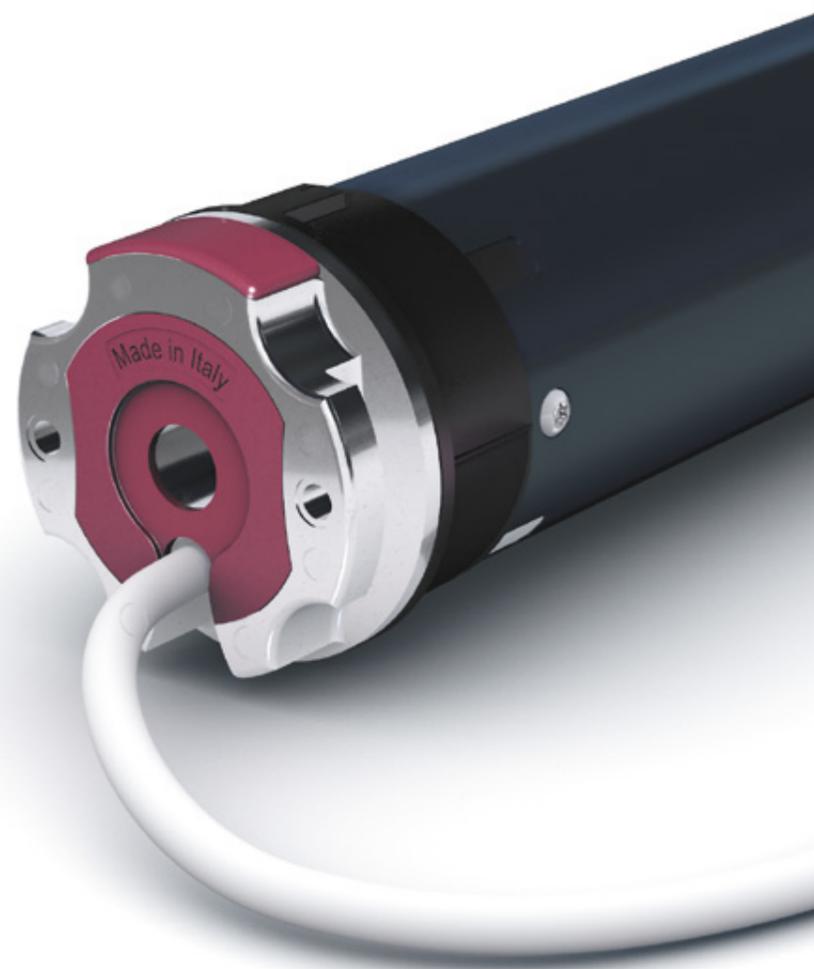
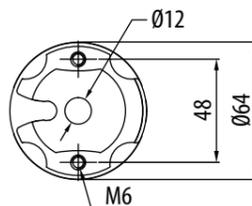
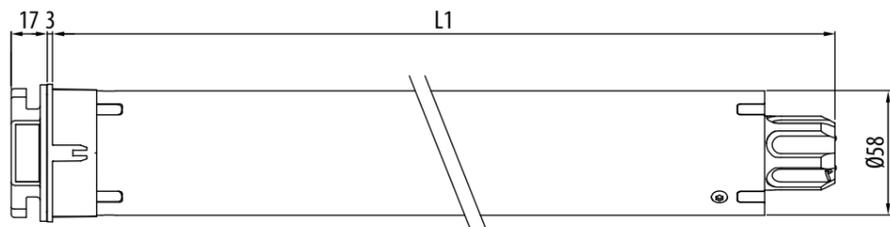
## Optional connections

Wired switch.

## MOTOR WITH BUILT-IN RECEIVER



BLACK - PHASE  
RED - WIRED SWITCH  
WHITE - NEUTRAL  
YELLOW - GREEN ⊕



## TRONIC RX Ø58

## MAIN CHARACTERISTICS

## TECHNICAL FEATURES

Motor torque (Nm)	60	80
Speed (rpm)	14	14
Power (W)	310	380
Power supply (V/Hz)	120/60	120/60
Radio frequency (MHz)	433	433
Consumption (A)	2,60	3,20
Cable 4 x AWG18 (m)	lg. 3	lg. 3
Operating time (min)	4	4
Protection degree	IP44	IP44
Receiver storage capacity (No. Remote controls)	15	15
Weight (kg)	6,0	6,0
L1 (mm)	700	700

## APPLICATION



## TECHNOLOGY



Code	Head	Torque	Speed	Certifications
<b>CER58061400</b>	Zama	60 Nm	14 rpm	
<b>CER58081400</b>	Zama	80 Nm	14 rpm	

	60/14	80/14
Motor torque (Nm)	60	80
Speed (rpm)	14	14
Power (W)	310	380
Power supply (V/Hz)	120/60	120/60
Radio frequency (MHz)	433	433
Consumption (A)	2,60	3,20
Cable 4 x AWG18 (m)	lg. 3	lg. 3
Operating time (min)	4	4
Protection degree	IP44	IP44
Receiver storage capacity (No. Remote controls)	15	15
Weight (kg)	6,0	6,0
L1 (mm)	700	700



## Cherubini Remote Controls

One-channel, multi-channel remote controls.

## COMPATIBLE SYSTEMS

# POP

## POP series remote controls



### Handy, essential and customizable in six colours

- Coloured closing caps with removable matching cord.
- Wall support with countersunk-head screw.
- Easy-to-read white LED display.
- Long-lasting and easy-to-replace AAA batteries included.

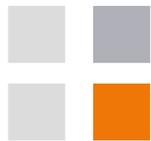


### Programming

- Hide unused channels function available.
- Automatic close of the programming function.



**Colours:**  
casing closing cap/cord



### Customization Kit

Made of 5 different colours closing caps and matching cords, the kit allows the end-user to customize and mark the different remote controls of the house.



# POP



### VERSIONS

Code	Model	Colour
A530126	POP	Grey
A530127	POP	Orange
A530138	POP PLUS	Grey
A530139	POP PLUS	Orange
A530132	POP LUX	Grey
A530133	POP LUX	Orange
A530144	POP P-LUX	Grey
A530145	POP P-LUX	Orange

### CHARACTERISTICS

Power supply	2,4V - 3V dc
Type of battery	2 x LR03 (AAA)
Transmission frequency	433 MHz
Modulation	AM/ASK
Decoder system	Rolling code
Operating range in open spaces	100 - 150 m
Operating temperature	-10 °C +50 °C
Dimensions (mm)	132 x 32 x 16
Weight (with batteries)	63 g

Kit Code	Colours
A4508_OL60	Closing caps and cords

Display case code	
A540012	Case containing two non-transmitting remote controls, wall bracket, caps and interchangeable lanyards.

Certification process in progress.  
Ask your Cherubini contact to check availability.

### POP

One-channel remote control for one receiver or one group of receivers.



### POP PLUS

Multi-channel remote control with 7 individual channels and one global channel. Hide unused channels function available.



### POP LUX

One-channel remote control for one receiver or one group of receivers. The Lux control allows you to enable or disable the solar function in motors and receivers compatible with the WindTec Lux climate controls.



### POP P-LUX

Multi-channel remote control with 7 individual channels and one global channel. Option to only visualise used channels on display. The Lux control allows you to enable or disable the solar function in motors and receivers compatible with the WindTec Lux climate controls, individually or on the global channel.



# MISTRAL

## Vibration wind sensor

A520012



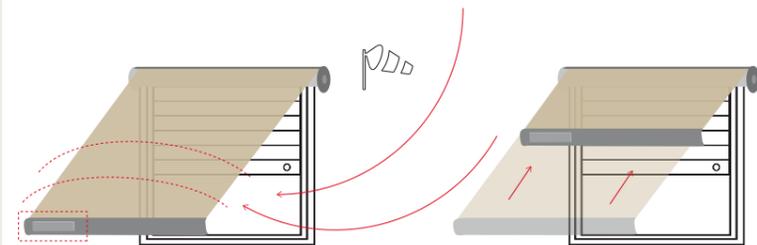
### MISTRAL

The vibration wind sensor protects the awning by detecting its movement caused by the wind.

Compatible with the Wave RX, Ocean RX, Ora ZRX motor series and with external radio receivers for awnings.

Wireless: no wiring between the motor and the sensor.  
To be installed on the awning's terminal load bar.  
Small size (140x38x26 mm).

### OPERATIONAL DIAGRAM



The sensor detects the movement of the awning caused by the wind



### VERSIONS

Code	Model	Function
A520012	MISTRAL	Wind sensor

### CHARACTERISTICS

Power supply	2,4 V-3V DC
Type of battery	2xLR03 (AAA)
Transmission frequency	433 MHz
Modulation	AM/ASK
Decoder system	Rolling Code
Irradiated RF power (ERP)	2 mW
Operating temperature	-10 °C +50 °C
Dimensions (mm)	140 x 38 x 26 mm
Weight (g)	100
Protection degree	IP44

Certification process in progress.  
Ask your Cherubini contact to check availability.

# ADAPTERS FOR Ø45 MOTORS

Ogives	<p>Ogive 63</p> <p><b>A4505_0525</b> Adapters RollerBat 63</p>	<p>Ogive 70</p> <p><b>A4505_0518</b> Adapters Oval 70 Selt</p>	<p>Ogive 70</p> <p><b>A4505_0519</b> Adapters tube 70 reduced Ogive</p>	
	<p>Ogive 70</p> <p><b>A4505_0520</b> Adapters Oval 70 Selt and RollerBat 70</p>	<p>Ogive 78</p> <p><b>A4505_0521</b> Adapters Ogive 78 + Flat Ogive 78</p>		
	<p>Ogive 80</p> <p><b>A4505_0523</b> Adapters RollerBat 80</p>	<p>Ogive 85</p> <p><b>A4505_0513</b> Adapters Ogive 85</p>		
	Round	<p>Round 50</p> <p><b>A4505_0514</b> Adapters Round 50 Thoni</p>	<p>Round 52-58-70</p> <p><b>A4505_0528</b> Adapters Delfin 52-58-70</p>	
<p>Round 50</p> <p><b>A4505_0505</b> Adapters Round 50</p>		<p>Round 60</p> <p><b>A4505_0506</b> Adapters Round 60</p>	<p>Round 70</p> <p><b>A4505_0515</b> Adapters Round 70</p>	

# ADAPTERS FOR Ø45 MOTORS

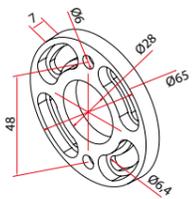
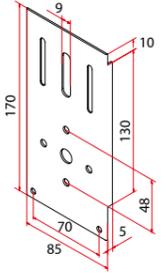
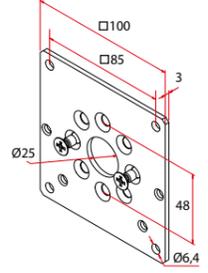
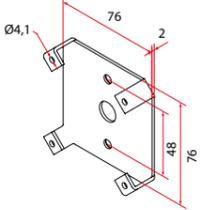
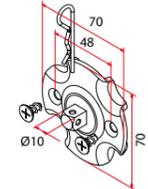
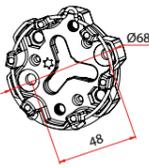
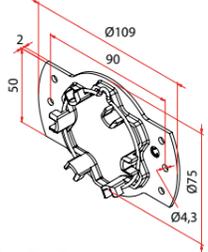
Octagonal	<p>Octagonal 52</p> <p><b>A4505_0511</b> Adapters Octagonal 52</p>	<p>Octagonal 60</p> <p><b>A4505_0510</b> Adapters Octagonal 60 th. 1 mm</p>	<p>Star-shaped 60</p> <p><b>A4505_0512</b> Adapters Star-shaped 60</p>
	<p>Octagonal 70</p> <p><b>A4505_0502</b> Adapters Octagonal 70</p>	<p>Octagonal 60</p> <p><b>A4505_0531</b> Adapters Octagonal 60 th. 0,6 mm</p>	<p>Octagonal 60 up to 20 Nm</p> <p><b>A4505_0532</b> Adapters Octagonal 60 th. 0,6 mm, reduced thickness</p>
	<p>Deprat 53</p> <p><b>A4505_0508</b> Adapters Deprat 53</p>	<p>Deprat 62/Welser 63</p> <p><b>A4505_0507</b> Adapters Deprat 62/Welser 63</p>	<p>Deprat 89</p> <p><b>A4505_0516</b> Adapters Deprat 89</p>
ZF	<p>ZF 54</p> <p><b>A4505_0508</b> Adapters ZF 54</p>	<p>ZF 64</p> <p><b>A4505_0509</b> Adapters ZF 64</p>	<p>ZF 80</p> <p><b>A4505_0517</b> Adapters ZF 80</p>
	<p>Acmeda 60</p> <p><b>A4505_0522</b> Adapters Acmeda 60</p>	<p>Dalex 63 + 80 / Eurothema 60 / Gibus D58 / RollerBat 56 / Soprofen 53 + 54</p> <p><b>A4505_0524</b> Drive pulley suitable for multiple profiles</p> <p>Dalex 80    Dalex 63    Eurothema 60    Gibus D58    RollerBat 56    Soprofen 53/54</p>	
	<p>Others</p>		

# ADAPTERS FOR Ø58 MOTORS

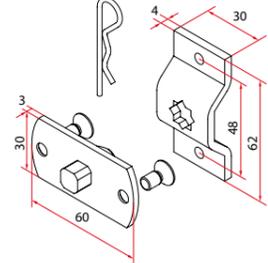
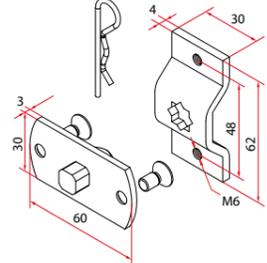
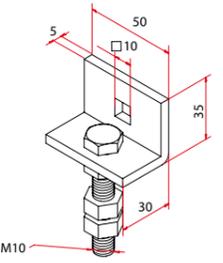
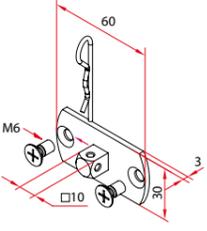
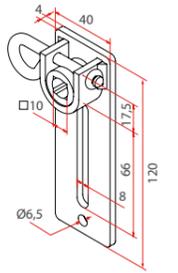
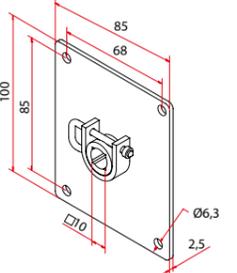
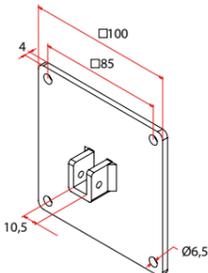
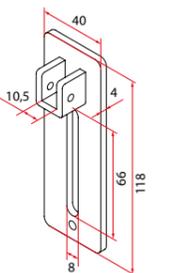
Ogives	<p>Ogive 78</p> <p><b>A5805_0502</b> Adapters Ogive 78</p>	<p>Ogive 78 flat</p> <p><b>A5805_0513</b> Adapters Flat Ogive 78</p>	<p>Ogive 85</p> <p><b>A5805_0503</b> Adapters Ogive 85</p>	<p>Ogive 100</p> <p><b>A5805_0516</b> Adapters Ogive 100 Stobag</p>	
	<p>Round 63</p> <p><b>A5805_0509</b> Adapters Round 63</p>	<p>Round 70</p> <p><b>A5805_0508</b> Adapters Round 70</p>	<p>Round 72</p> <p><b>A5805_0514</b> Adapters Round 72 Gibus LS60 (Øe 72)</p>		
	<p>Round 75</p> <p><b>A5805_0511</b> Adapters Round 75 Matest</p>	<p>Round 98</p> <p><b>A5805_0510</b> Adapters Round 98</p>	<p>Round 102</p> <p><b>A5805_0507</b> Adapters Round 102</p>		
	<p>Octagonal 70</p> <p><b>A5805_0501</b> Adapters Octagonal 70</p>	<p>Octagonal 102</p> <p><b>A5805_0506</b> Adapters Octagonal 102 Welser</p>	<p>Octagonal 125</p> <p><b>A5805_0512</b> Adapters Octagonal Heroal 125</p>		
Others	<p>ZF 80</p> <p><b>A5805_0504</b> Adapters ZF 80</p>	<p>RollerBat 80</p> <p><b>A5805_0515</b> Adapters RollerBat 80</p>	<p>Deprat 89</p> <p><b>A5805_0505</b> Adapters Deprat 89</p>		

# BRACKETS FOR MOTORS Ø45

**all motor torques**

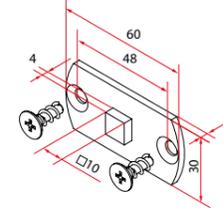
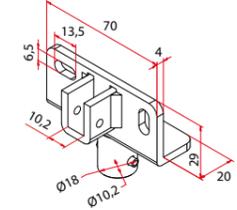
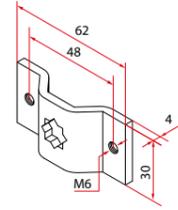
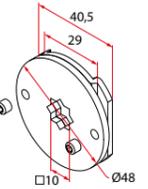
 <p><b>9014</b> Flange</p>	 <p><b>A4506_0559</b> "Vercelli" support plate</p>	 <p><b>A4506_0568 (zamak heads only)</b> Plate 100x100</p>	 <p><b>A4506_0588</b> Bracket "Bloc-Baie"</p>
 <p><b>A4506_0616 (only for plastic head)</b> Square pin 10 mm</p>	 <p><b>A4506_0638</b> Zamak bracket with spring</p>	 <p><b>A4506_0642</b> Steel support with spring</p>	

**up to 32 Nm**

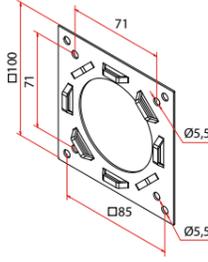
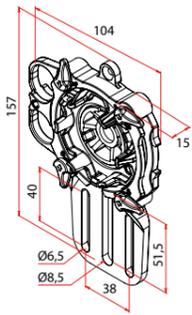
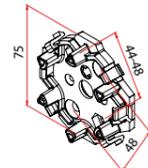
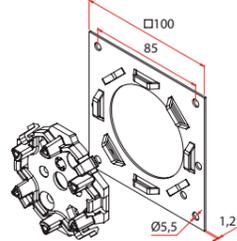
 <p><b>A4506_0556 (head in zama)</b> <b>A4506_0566 (head in plastic)</b> Flanged 10 mm square pin with omega bar, through holes</p>	 <p><b>A4506_0557 (head in zama)</b> <b>A4506_0567 (head in plastic)</b> Flanged 10 mm square pin with omega bar, M6 holes</p>	 <p><b>A4506_0558</b> Adjustable bracket with 10 mm square hole</p>	 <p><b>A4506_0580 (head in zama)</b> <b>A4506_0569 (head in plastic)</b> 10 mm square pin with M6 screw</p>
 <p><b>A4506_0562</b> Adjustable bracket with 10 mm square hole, with release</p>	 <p><b>A4506_0561</b> Bracket with 10 mm square hole, with release</p>	 <p><b>A4506_0572</b> Bracket with 10 mm square hole, without release</p>	 <p><b>A4506_0573</b> Adjustable bracket with 10 mm square hole, without release</p>

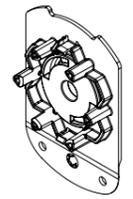
# BRACKETS FOR MOTORS Ø45

**up to 32 Nm**

 <p><b>A4506_0597</b> Mosquito screen 10 short flanged square pin bracket</p>	 <p><b>A4506_0600</b> Bracket with saddle square 10 mm</p>	 <p><b>A4506_0621</b> Omega bar for 10 mm square, with M6 holes</p>	 <p><b>A4506_0623</b> Star-shaped 10 mm square pin coupling removable head</p>
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**up to 20 Nm**

 <p><b>A4506_0595</b> SLO support plate</p>	 <p><b>A4506_0641</b> Support 3 slots with release</p>	 <p><b>A4506_0644</b> Snap-on bracket</p>	 <p><b>A4506_0653</b> Support kit 100x100 ZF Croci-Veka</p>
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**A4506\_0656**  
Profine system sidewall support

**FASTENING KIT**

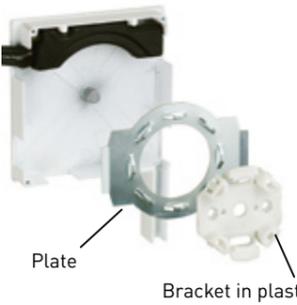
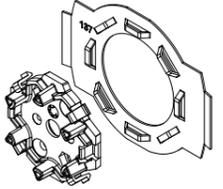


Plate      Bracket in plastic

**SYSTEM OPTime**

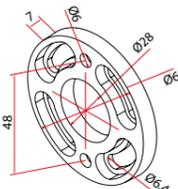
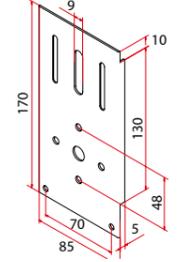
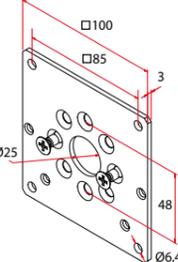
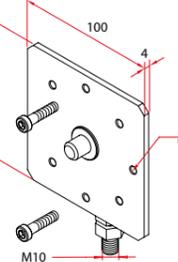
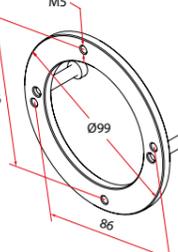
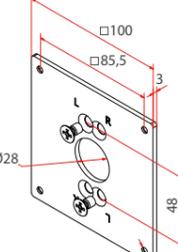
Fastening without screws:  
Compatible on all kind of side caps. Possibility of adjustment on all positions.



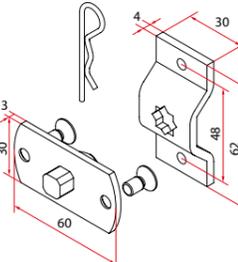
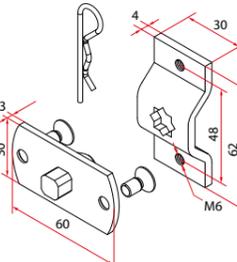
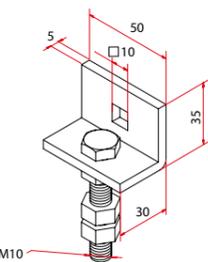
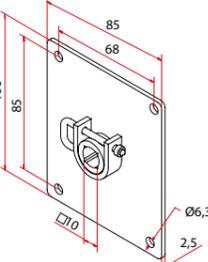
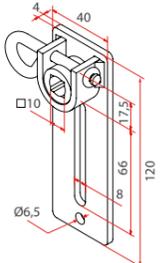
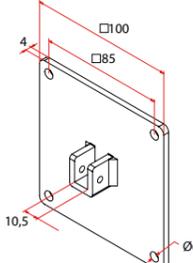
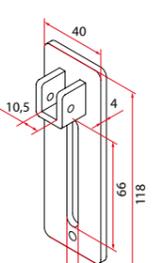
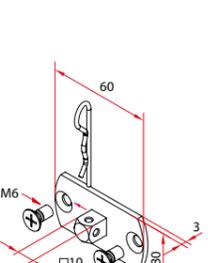
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<b>A4506_0645</b>	OPTime fastening kit 130	<b>A4506_0649</b>	OPTime fastening kit 165
<b>A4506_0646</b>	OPTime fastening kit 137	<b>A4506_0650</b>	OPTime fastening kit 170
<b>A4506_0647</b>	OPTime fastening kit 140	<b>A4506_0651</b>	OPTime fastening kit 180
<b>A4506_0648</b>	OPTime fastening kit 150	<b>A4506_0652</b>	OPTime fastening kit 205

# BRACKETS FOR OCEAN AND OCEAN RX SERIES Ø45 MOTORS

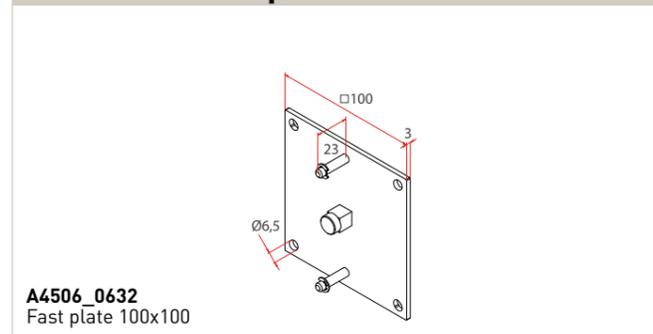
## all motor torques

 <p><b>9014</b> Flange</p>	 <p><b>A4506_0559</b> "Vercelli" support plate</p>	 <p><b>A4506_0568</b> Plate 100x100</p>	 <p><b>A4506_0571</b> Adjustable bracket for Ocean</p>
 <p><b>A4506_0584</b> Fastening sliding ring</p>	 <p><b>A4506_0624</b> Plate 100x100 holes 12,5°</p>		

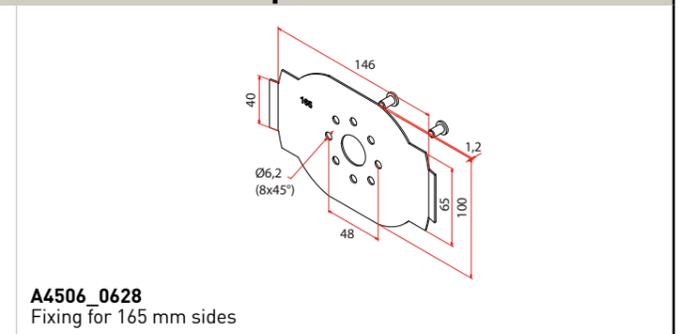
## up to 32 Nm

 <p><b>A4506_0556</b> Flanged 10 mm square pin with omega bar, through holes</p>	 <p><b>A4506_0557</b> Flanged 10 mm square pin with omega bar, M6 holes</p>	 <p><b>A4506_0558</b> Adjustable bracket with 10 mm square hole</p>	 <p><b>A4506_0561</b> Bracket with 10 mm square hole, with release</p>
 <p><b>A4506_0562</b> Adjustable bracket with 10 mm square hole, with release</p>	 <p><b>A4506_0572</b> Bracket with 10 mm square hole, without release</p>	 <p><b>A4506_0573</b> Adjustable bracket with 10 mm square hole, without release</p>	 <p><b>A4506_0580</b> 10 mm square pin with M6 screw</p>

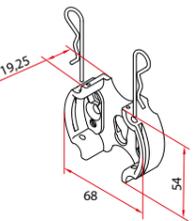
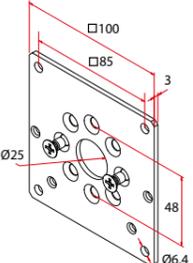
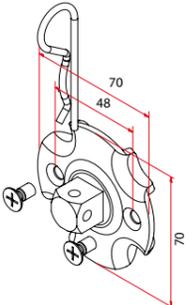
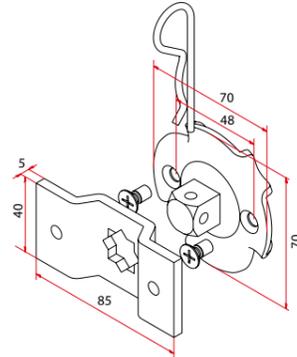
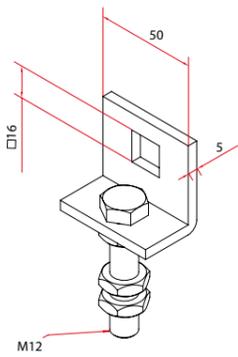
## up to 32 Nm



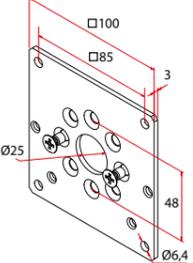
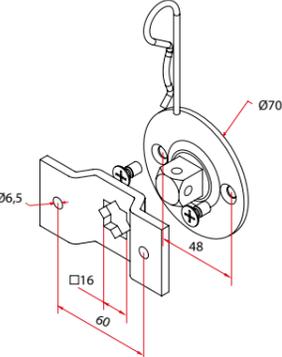
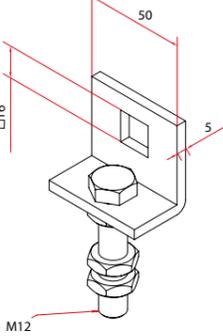
## up to 20 Nm



# BRACKETS FOR MOTORS Ø58

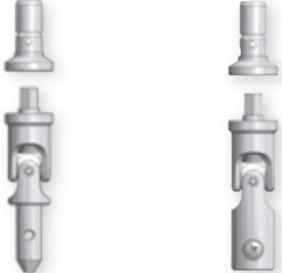
 <p><b>A4506_0554</b> Fast coupling bracket with spring split pins</p>	 <p><b>A4506_0568</b> Plate 100x100</p>	 <p><b>A5806_0555</b> Square pin 16 mm</p>
 <p><b>A5806_0551</b> Square pin 16 mm with omega bar</p>	 <p><b>A5806_0558</b> Adjustable bracket with 16 mm square hole (up to 85 Nm)</p>	

## Motor with override: OCEAN

 <p><b>A4506_0568</b> Plate 100x100</p>	 <p><b>A5806_0552</b> Square pin 16 mm with omega bar for override</p>	 <p><b>A5806_0558</b> Adjustable bracket with 16 mm square hole (up to 85 Nm)</p>
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# ACCESSORIES

For manually operating motors of the series OCEAN, OCEAN RX

 <p><b>Ref. 9100 150L CH02</b> Operating crank length 150 cm Only for OCEAN series motors</p>	 <p><b>Ref. 7463 150G 2101</b> Foldable crank with hook length 150 cm Only for OCEAN series motors</p>	 <p><b>Ref. 7461 150N 1606A</b> Foldable crank with assembled tube length 150 cm</p>
 <p><b>Ref. 7721 7040 OC16</b> Outlet at 60°, fast coupling with eye Only for OCEAN series motors</p>	 <p><b>Ref. 7840 7033 OCNK</b> (nickel plated) <b>Ref. 7840 7043 OC16</b> (Ral 9016) Outlet at 90°, fast coupling with eye Only for OCEAN series motors</p>	 <p><b>Ref. 7705 7030 OCNK</b> Outlet 55°, plate in nickel plated Zama, with eye Only for OCEAN series motors</p>
 <p><b>Ref. 8026 70</b> Magnetic outlet with plate</p>	<div style="display: flex; justify-content: space-around;"> <div data-bbox="516 1094 967 1503">  <p><b>Ref. 14987016</b> <b>Ref. 8056M12</b> <b>Ref. 8056V13</b> Magnetic outlets without plate</p> </div> <div data-bbox="967 1094 1406 1503">  <p><b>Ref. 6015</b> <b>Ref. 6015 7007</b> Hexagonal pole 7 w/71 mm protrusion+screw <b>Ref. 6015 7018</b> Hexagonal pole 7 w/185 mm protrusion+screw</p> </div> </div>	
 <p><b>Ref. 7840 7038 CA16 + 7844 12CA16</b> Outlet at 90° magnetic + magnetic gear reduction</p>	 <p><b>Ref. 6010 7008 CH16</b> Eye with hexagon 7 x 86 mm <b>Ref. 6010 7012 CH16</b> Eye with hexagon 7 x 126 mm <b>Ref. 6010 7018 CH16</b> Eye with hexagon 7 x 186 mm Only for OCEAN series motors</p>	 <p><b>Ref. 7810</b> Plate 85x40x2 mm Hole cover plate designed for manual override on cassette</p>

# GENERAL SALES TERMS AND CONDITIONS

- 1) **Orders** - All orders will only be accepted according to the following conditions. We will confirm your order in writing by our Order Confirmation. It is the customer's responsibility to check the order confirmation. Any differences in specification or terms shown on the order confirmation must be notified to Cherubini within 5 days of the date of the order confirmation, otherwise the customer has to accept the goods as shown on the order confirmation.
- 2) **Prices** - Our price list shows only indicative prices. If any extraordinary or unexpected circumstances change the conditions stated at the moment of the contract the company has the right to change prices with a prior notice. Any price negotiations, conducted by agents or sub-agents, require the authorisation of Cherubini before these prices can become operable.
- 3) **Delivery** - Goods are shipped at the buyer's risk, even if these parts are being shipped for a free delivery shipment.
- 4) **Payments** - Cherubini retains the ownership of the goods until all payments have been made for them. The payment of the amount of the invoice must be paid within the terms and conditions indicated on the invoice. Failure to make payments in accordance with these terms and conditions may incur the imposition of a 3% penalty interest rate higher than the official discount rate of the moment.
- 5) **Deliveries** - Deliveries will be made in accordance with our normal trading terms and conditions. However, should any unforeseen circumstance arise which precludes a delivery being made, the customer will have no rights to seek compensation of any kind from Cherubini.
- 6) **Claims** - The goods will be considered completely accepted by the customers after 8 days from their receiving. All claims must be in writing and sent to Cherubini by registered letter within eight days of the customer receiving the goods. In case of goods subject to a manufacturing defect, such goods will be replaced ex works as quickly as possible. No claims will be allowed for direct or consequential loss arising from damage caused by the operation of our products. All replacement of product will be authorised and carried out only by Cherubini. Any delay in payment by the buyer will nullify all sales agreements.
- 7) **Controversy** - All disputes arising from any matter resulting from the supply of product to a customer will only be settled by the Law Court of Brescia, Italy.

# WARRANTY

CHERUBINI GUARANTEES ITS MOTORS AND RELATED ACCESSORIES TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP UNDER NORMAL AND PROPER USE, AT THE FOLLOWING CONDITIONS:

## PERIOD

Cherubini warrants its tubular motors for a period of five (5) years. The electrical and electronic accessories (including the control systems) have a two (2) year warranty. All warranties start from the date of manufacturing.

## WARRANTY APPLICATION

Cherubini has an obligation under the terms of this warranty to repair or replace any parts found to be defective as quickly as possible. Cherubini shall retain any parts replaced under warranty. The buyer is responsible for all freight costs associated with the repair, or replacement of the parts, without any obligation of assistance on the spot by Cherubini.

## WARRANTY LIMITATIONS

The following will render the warranty null and void:

- If the product has been opened or dismantled, or there are clear signs the product has been subject to abuse or other damage.
- If the buyer has selected a product which is not in accordance with our written product specifications.
- If the buyer or his agent has not followed the written installation and wiring instructions issued by Cherubini.
- If our products are used in a manner for which they were not designed or they are used with accessories which have not previously been approved in writing by the Technical Department of Cherubini.
- If any of the electrical accessories or controls have not been wired or installed in the manner depicted in our installation instructions.

## PRODUCT USE LIMITATIONS

Cherubini has designed the range of products for use in operating awnings, shutters or screens for sun protection, provided they are not in continuous use. These products must be installed according to IEC Standards or any other rule in force at the moment of their installation or planning.

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