

CAME
safety & comfort



**WINDING SHUTTERS
AND BLINDS**

2016 CATALOG PRICE LIST



CAME
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GENERAL INDEX AND LEGEND OF SYMBOLS

ICONOGRAPHY



New 2016

SUGGESTED



Awnings



Shutters



Shades



Wasistas windows



Cable-based

OBLIGATORY



Shutters



Taxes



Boxed awning



Radio-based



Emergency maneuver



Blinds



Obstacle detection



Full automatic



Cable-based



Radio-based



Silent



Short



Shutters

WARRANTY



FIVE-YEAR
WARRANTY

REGULATORY COMPLIANCE



COMPLIANCE
WITH FRENCH
REGULATIONS

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GROUP OPERATORS

A SINGLE GLOBAL PARTNER

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CAME S.P.A.

Via Martiri della Libertà, 15
31030 Dosson di Casier

Treviso - Italy

Tel. (+39) 0422 4940

Fax (+39) 0422 4941

info@came.com - www.came.com



Ever since it was founded in 1972, Came leads the way in the design, the development and the manufacturing of entry-point operators.

With over forty years' experience, Came has built up a global network of partners in this sector.

Came S.p.A., the world-renown group in Home & Building Automation, is your global choice for managing homes, public venues and urban design. It provides integrated solutions for parking systems, people flow-rate management and security.

A great group - represented by the Came Safety & Comfort trademark - designs, makes and markets with the brands Came, Bpt, Domino LED and GO, entrance operators, home-automation, burglar-poof systems and video-entry, thermostat control and LED lighting solutions for both buildings and industry.



ALL OF CAME'S KNOW-HOW TO SERVE EXPO MILANO'S 2015 DIGITAL SMART CITY.

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The global offer, the innovative drive and the capacity to integrate the very latest technologies, won CAME's appointment as technology partner for EXPO Milano 2015, for managing the access control of 21 million visitors.

With the XVia turnstile and the access control system, which were custom-designed for EXPO Milano 2015, Came contributed, along with the event's other major tech-partners, to achieving the foremost Italian Digital Smart City project.

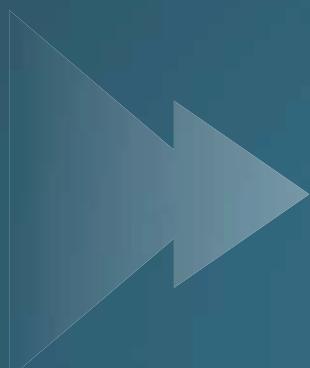
A goal well-achieved in terms of innovation and modernization. This was also made possible by Came's 100% made-in-Italy latest-generation technology.



OPERATORS EXPO MILANO 2015 OFFICIAL PARTNER

A SINGLE SYSTEM REALLY
LINKS UP THINGS AND
PEOPLE

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CAME CLOUD CONNECT



Came provides its Cloud service so that you can benefit from all of the functionalities of the devices you have installed. Not only locally, but also remotely, by using a simple safe and highly reliable connection.

Came Connect's innovative technology ensures that your Came system links up to the Cloud, to provide total real-time control.

Installers' benefits.

By simply going online, you can completely diagnose your system and pinpoint any malfunctions, so as to intervene quickly and efficiently.

A remote assistance service - an added value for your customers and your business.

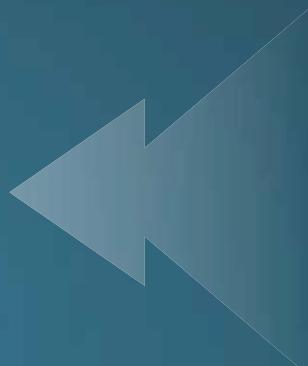
Users' benefits.

With the right App, it only takes a few clicks to connect up securely, check the status of each room, view video-cam images, activate scenarios, manage utilities, interact with your home from a remote location, on your smartphone, tablet or PC.



CONNECT

ED TECHNOLOGY



HOME & BUILDING
AUTOMATION



SECURITY



THERMOSTAT
CONTROL



VIDEO ENTRY



CCTV

LEADING HOME & BUILDING AUTOMATION

CAME
safety & comfort

Entrance
operator



Video entry systems



Alarm
CCTV



Since 1972, CAME has been making the broadest possible range of operators for residential and industrial entrances, parking and access control systems, and, home automation and burglar proof systems.

Tube
motors



Home Automation
Thermostat control



LED lighting



Parking and
barriers



Bollards



Access
control



New in 2016



KLIMT AW5

These are fitted with electronic limit-switch and built-in radio receiver, with 433.93 MHz frequency.

Compatible with all transmitters and with the radio-based weather control-unit.

They respond by click-clacking once each time a programming sequence is completed.

The limit-switches are programmed semi-automatically: the lower limit-switch is manually set while the upper one is automatically set. A third limit-Switch point can be set, as a mid-way point or as an extra opening.

MOTORS FOR BOXED AWNINGS

MODEL	TECHNICAL CHARACTERISTICS	
001Y5020A151KLA	Torque (Nm)	20
	Rpm speed (turns/min)	15
	Hoisted weight (Kg)*	36
	Duration of operation (min)	4
	Current draw (A)	0.69
001Y5030A151KLA	Torque (Nm)	30
	Rpm speed (turns/min)	15
	Hoisted weight (Kg)*	55
	Duration of operation (min)	4
	Current draw (A)	0.87
001Y5040A151KLA	Torque (Nm)	40
	Rpm speed (turns/min)	15
	Hoisted weight (Kg)*	74
	Duration of operation (min)	4
	Current draw (A)	0.95
001Y5050A121KLA	Torque (Nm)	50
	Rpm speed (turns/min)	12
	Hoisted weight (Kg)*	92
	Duration of operation (min)	4
	Current draw (A)	0.99

The benefits of KLIMT AW5

- Millimetric adjustments to the limit.switch point.
- Either automatic or maintained action operating mode.
- The following functions can be independently deactivated:
tensioning the opening skin (to give a sharper look to the awning);
releasing the closing skin - to prevent any ripping or loosening of the skin when it stays tensioned, especially when using high-torque motors.

Range table with references to diameters and limit switches

Technical characteristics - tube motors for awnings and rolling shutters

ELECTRONIC LIMIT SWITCH	MECHANICAL LIMIT SWITCH	VIA RADIO	VIA CABLE	EMERGENCY MA- NEUVER	SPECIAL	Ø DIAMETER MODEL	CHARACTERISTICS
	●		●			Ø 35 MONDRIAN 4	
	●	●				Ø 35 MONDRIAN R4	
●		●				Ø 35 KLIMT 4	
●			●			Ø 35 ENSOR 4	
	●		●			Ø 45 MONDRIAN 5	
	●	●				Ø 45 MONDRIAN R5	
	●		●		SHORT	Ø 45 MATT 5	
	●		●		SILENT	Ø 45 MONDRIAN Q5	
	●	●			SILENT	Ø 45 MONDRIAN QR5	
●		●				Ø 45 KLIMT 5	
●			●			Ø 45 ENSOR 5	
●		●				Ø 45	
	●		●	●		Ø 45 MONDRIAN M5	
	●	●		●		Ø 45 MONDRIAN MR5	
●		●	●		FULL AUTOMATIC	Ø 45 KLIMT SH5	 
●			●		FULL AUTOMATIC	Ø 45 ENSOR SH5	 
	●		●			Ø 55 MONDRIAN 6	
	●		●		DOUBLE MOTOR	Ø 55 MONDRIAN 6D	
	●	●				Ø 55 MONDRIAN R6	
	●		●	●		Ø 55 MONDRIAN M6	
	●	●		●		Ø 55 MONDRIAN MR6	
	●		●	●		Ø 92 MONDRIAN M9	



CAME

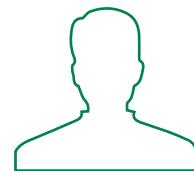
SHUTTERS: a guide to choosing the gearmotor



AWNNG: a guide to choosing the gearmotor



INSTALLER
Preliminary checks



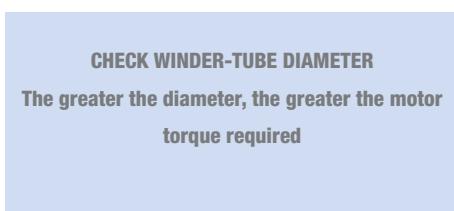
CLIENT
The client's preferences



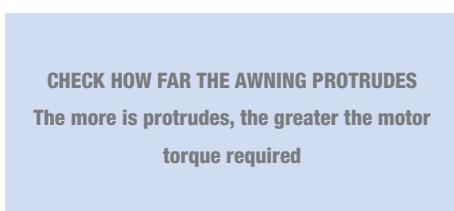
1



2



3



4



ACCESSORIES
Weather units and/or sensors

SHUTTERS: weight calculation

Specific weight of the shutter up to Kg 6 8 10 15

		Shutter width (cm)												
		80	100	120	140	160	180	200	220	240	260	280	300	320
Shutter height (cm)	100	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2
	100	6.4	8.0	9.6	11.2	12.8	14.4	16.0	17.6	19.2	20.8	22.4	24.0	25.6
	100	8.0	10.0	12.0	14.00	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0
	100	12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	42.0	45.0	48.0
120	120	5.8	7.2	8.6	10.1	11.5	13.0	14.4	15.8	17.3	18.7	20.2	21.6	23.0
	120	7.7	9.6	11.5	13.4	15.4	17.3	19.2	21.1	23.0	25.0	26.9	28.8	30.7
	120	9.6	12.0	14.4	16.8	19.2	21.6	24.0	26.4	28.8	31.2	33.6	36.0	38.4
	120	14.4	18.0	21.6	25.2	28.8	32.4	36.0	39.6	43.2	46.8	50.4	54.0	57.6
140	140	6.7	8.4	10.1	11.8	13.4	15.1	16.8	18.5	20.2	21.8	23.5	25.2	26.9
	140	9.0	11.2	13.4	15.7	17.9	20.2	22.4	24.6	26.9	29.1	31.4	33.6	35.8
	140	11.2	14.0	16.8	19.6	22.4	25.2	28.0	30.8	33.6	36.4	39.2	42.0	44.8
	140	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8	63.0	67.2
160	160	7.7	9.6	11.5	13.4	15.4	17.3	19.2	21.1	23.0	25.0	26.9	28.8	30.7
	160	10.2	12.8	15.4	17.9	20.5	23.0	25.6	28.2	30.7	33.3	35.8	38.4	41.0
	160	12.8	16.0	19.2	22.4	25.6	28.8	32.0	35.2	38.4	41.6	44.8	48.0	51.2
	160	19.2	24.0	28.8	33.6	38.4	43.2	48.0	52.8	57.6	62.4	67.2	72.0	76.8
180	180	8.6	10.8	13.0	15.1	17.3	19.4	21.6	23.8	25.9	28.1	30.2	32.4	34.6
	180	11.5	14.4	17.3	20.2	23.0	25.9	28.8	31.7	34.6	37.4	40.3	43.2	46.1
	180	14.4	18.0	21.6	25.2	28.8	32.4	36.0	39.6	43.2	46.8	50.4	54.0	57.6
	180	21.6	27.0	32.4	37.8	43.2	48.6	54.0	59.4	64.8	70.2	75.6	81.0	86.4
200	200	9.6	12.0	14.4	16.8	19.2	21.6	24.0	26.4	28.8	31.2	33.6	36.0	38.4
	200	12.8	16.0	19.2	22.4	25.6	28.8	32.0	35.2	38.4	41.6	44.8	48.0	51.2
	200	16.0	20.0	24.0	28.0	32.0	36.0	40.0	44.0	48.0	52.0	56.0	60.0	64.0
	200	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0
220	220	10.6	13.2	15.8	18.5	21.1	23.8	26.4	29.0	31.7	34.3	37.0	39.6	42.2
	220	14.1	17.6	21.1	24.6	28.2	31.7	35.2	38.7	42.2	45.8	49.3	52.8	56.3
	220	17.6	22.0	26.4	30.8	35.2	39.6	44.0	48.4	52.8	57.2	61.6	66.0	70.4
	220	26.4	33.0	39.6	46.2	52.8	59.4	66.0	72.6	79.2	85.8	92.4	99.0	105.6
240	240	11.5	14.4	17.3	20.2	23.0	25.9	28.8	31.7	34.6	37.4	40.3	43.2	46.1
	240	15.4	19.2	23.0	26.9	30.7	34.6	38.4	42.2	46.1	49.9	53.8	57.6	61.4
	240	19.2	24.0	28.8	33.6	38.4	43.2	48.0	52.8	57.6	62.4	67.2	72.0	76.8
	240	28.8	36.0	43.2	50.4	57.6	64.8	72.0	79.2	86.4	93.6	100.8	108.0	115.2
260	260	12.5	15.6	18.7	21.8	25.0	28.1	31.2	34.3	37.4	40.6	43.7	46.8	49.9
	260	16.6	20.8	25.0	29.1	33.3	37.4	41.6	45.8	49.9	54.1	58.2	62.4	66.6
	260	20.8	26.0	31.2	36.4	41.6	46.8	52.0	57.2	62.4	67.6	72.8	78.0	83.2
	260	31.2	39.0	46.8	54.6	62.4	70.2	78.0	85.8	93.6	101.4	109.2	117.0	124.8
280	280	13.4	16.8	20.2	23.5	26.9	30.2	33.6	37.0	40.3	43.7	47.0	50.4	53.8
	280	17.9	22.4	26.9	31.4	35.8	40.3	44.8	49.3	53.8	58.2	62.7	67.2	71.7
	280	22.4	28.0	33.6	39.2	44.8	50.4	56.0	61.6	67.2	72.8	78.4	84.0	89.6
	280	33.6	42.0	50.4	58.8	67.2	75.6	84.0	92.4	100.8	109.2	117.6	126.0	134.4
300	300	14.4	18.0	21.6	25.2	28.8	32.4	36.0	39.6	43.2	46.8	50.4	54.0	57.6
	300	19.2	24.0	28.8	33.6	38.4	43.2	48.0	52.8	57.6	62.4	67.2	72.0	76.8
	300	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0
	300	36.0	45.0	54.0	63.0	72.0	81.0	90.0	99.0	108.0	117.0	126.0	135.0	144.0
320	320	15.4	19.2	23.0	26.9	30.7	34.6	38.4	42.2	46.1	49.9	53.8	57.6	61.4
	320	20.5	25.6	30.7	35.8	41.0	46.1	51.2	56.3	61.4	66.6	71.7	76.8	81.9
	320	25.6	32.0	38.4	44.8	51.2	57.6	64.0	70.4	76.8	83.2	89.6	96.0	102.0
	320	38.4	48.0	57.6	67.2	76.8	86.4	96.0	105.6	115.2	124.8	134.4	144.0	153.6
340	340	16.3	20.4	24.5	28.6	32.6	36.7	40.8	44.9	49.0	53.0	57.1	61.2	65.3
	340	21.8	27.2	32.6	38.1	43.5	49.0	54.4	59.8	65.3	70.7	76.2	81.6	87.0
	340	27.2	34.0	40.8	47.6	54.4	61.2	68.0	74.8	81.6	88.4	95.2	102.0	108.8
	340	40.8	51.0	61.2	71.4	81.6	91.8	102.0	112.2	122.4	132.6	142.8	153.0	163.2
350	350	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8	63.0	67.2
	350	22.4	28.0	33.6	39.2	44.8	50.4	56.0	61.6	67.2	72.8	78.4	84.0	89.6
	350	28.0	35.0	42.0	49.0	56.0	63.0	70.0	77.0	84.0	91.0	98.0	105.0	112.0
	350	42.0	52.5	63.0	73.5	84.0	94.5	105.0	115.5	126.0	136.5	147.0	157.5	168.0

SHUTTERS: load tables

Ø 35 For applying to shutters up to 1.5 m in height

TUBE Ø mm Kg	10	20	30	40	50	60	70	80	90	100
Ø 40		17	26							
Ø 45		14	24							
Ø 50			22							
Ø 60		18								

■ 6 Nm ■ 10 Nm

WARNING

When using security blocks on shutters, consider that the diameter thickness is increased by 20 mm

(For example: Ø 60 and Ø 70 diameter tubes shall have to be considered as being Ø 80 and Ø 90 diameter tubes, respectively). For shutter sizes larger than those discussed here, please contact Came's technical department.

Ø 35 For applying to shutters up to 2.5 m in height

TUBE Ø mm Kg	10	20	30	40	50	60	70	80	90	100
40		13	21							
45		12	20							
50		11	18							
60		9	15							

■ 6 Nm ■ 10 Nm

Calculation made for slats up to 14 mm thick and also accounting for friction.

Ø 45 For applying to shutters up to 1.5 m in height

TUBE Ø mm Kg	10	20	30	40	50	60	70	80	90	100
50		18	36		55		74		92	
60	17		35		53		70		88	
70	17		34		51		67		84	
80	16		32		48		64		80	
90	15		32		45		60		75	
102	14		28		41		56		69	

■ 10 Nm ■ 20 Nm ■ 30 Nm ■ 40 Nm ■ 50 Nm

To calculate the shutter's weight, see the table on the previous page

Ø 45 For applying to shutters up to 2.5 m in height

TUBE Ø mm Kg	10	20	30	40	50	60	70	80	90	100
50	15	30		45	60		76			
60	15	29		44	59		73			
70	14	29		43	57		72			
80	14	28		41	55		69			
90	13	27		40	53		66			
102	13	25		38	50		62			

■ 10 Nm ■ 20 Nm ■ 30 Nm ■ 40 Nm ■ 50 Nm

Ø 55 For applying to shutters up to 2.5 m in height

TUBE Ø mm Kg	80	90	100	110	120	130	140	150	160	170
70			114			143		171		
80			110			137		164		
90			105			132		158		
102			100		124		150			
110			96		120		144			
120			91		114		136			
130	86		108		128					

■ 80 Nm ■ 100 Nm ■ 120 Nm

Ø 55 For applying to shutters up to 3.5 m in height

TUBE Ø mm Kg	80	90	100	110	120	130	140	150	160	170
70			100			125		152		
80			98			122		147		
90			96			119		142		
102			91		114		135			
110			89		111		133			
120	85			107		128				
130	81		102		122					

■ 80 Nm ■ 100 Nm ■ 120 Nm

AWNINGS: load tables

AWNING EXTENSION 1.5 m						
TUBE Ø mm	No. ARMS					
	2	4	6	8	10	12
50	20 Nm	30 Nm	40 Nm	50 Nm	-	-
63 / 70	30 Nm	50 Nm	80 Nm		100 Nm	
78	30 Nm	50 Nm	80 Nm	-	-	-
85	50 Nm	80 Nm	100 Nm	-	-	-

■ 20 Nm ■ 30 Nm ■ 40 Nm ■ 50 Nm ■ 80 Nm ■ 100 Nm ■ 120 Nm

AWNING EXTENSION 2 m						
TUBE Ø mm	No. ARMS					
	2	4	6	8	10	12
50	20 Nm	30 Nm	40 Nm	50 Nm	-	-
63 / 70	30 Nm	40 Nm	50 Nm	80 Nm	100 Nm	120 Nm
78	30 Nm	50 Nm	80 Nm	-	-	-
85	50 Nm	80 Nm	100 Nm	-	-	-

■ 20 Nm ■ 30 Nm ■ 40 Nm ■ 50 Nm ■ 80 Nm ■ 100 Nm ■ 120 Nm

AWNING EXTENSION 3.5 m						
TUBE Ø mm	No. ARMS					
	2	4	6	8	10	12
50	40 Nm	50 Nm	-	-	-	-
63 / 70	50 Nm	80 Nm	100 Nm	120 Nm	-	-
78	80 Nm	100 Nm	120 Nm	-	-	-
85	100 Nm	120 Nm	-	-	-	-

■ 20 Nm ■ 30 Nm ■ 40 Nm ■ 50 Nm ■ 80 Nm ■ 100 Nm ■ 120 Nm

AWNING EXTENSION 5 m						
TUBE Ø mm	No. ARMS					
	2	4	6	8	10	12
50	-	-	-	-	-	-
63 / 70	80 Nm	100 Nm	120 Nm	-	-	-
78	100 Nm	120 Nm	-	-	-	-
85	120 Nm	-	-	-	-	-

■ 20 Nm ■ 30 Nm ■ 40 Nm ■ 50 Nm ■ 80 Nm ■ 100 Nm ■ 120 Nm



CAME

TABLE OF CHARACTERISTICS

TUBE MOTORS	WITH RECEIVER	ELECTRONIC LIMIT-SWITCH
		MECHANICAL LIMIT SWITCH
WITHOUT RECEIVER	ELECTRONIC LIMIT-SWITCH	
	MECHANICAL LIMIT SWITCH	

**ACTUATORS FOR:
BLINDS - SHADES - WINDING SHUTTERS**

DIAMETER	PRODUCT NAME	P.	AWNINGS	SHUTTERS	BLINDS	ROLLING SHUTTERS
35	KLIMT 4	32				
45	KLIMT 5	43				
45	KLIMT AW5 	45				
45	KLIMT SH5	56				
35	MONDRIAN R4	31				
45	MONDRIAN R5	39				
45	MONDRIAN QR5	42				
35	MONDRIAN MR5	47				
55	MONDRIAN R6	62				
55	MONDRIAN MR6	64				
35	ENSOR 4	33				
45	ENSOR 5	44				
45	ENSOR SH5	57				
35	MONDRIAN 4	30				
45	MONDRIAN 5	38				
45	MONDRIAN Q5	41				
45	MATTA 5	40				
45	MONDRIAN M5	46				
55	MONDRIAN 6	60				
55	MONDRIAN M6	63				
92	MONDRIAN M9	72				
PRODUCT NAME		BLINDS	SHADES / VASISTAS WINDOWS		ROLLING SHUTTERS	
-	VOILÀ	78				
45	DEGAS	76		 		
-	H4	80				

TUBE MOTORS FOR SHUTTERS

Ø 35

Ø 45

Ø 55

Ø 92



CAME

PROGRAMMING ENSOR AND ENSOR SH ELECTRONIC LIMIT-SWITCHES

Characteristics of motors with hard-wired ENSOR and ENSOR SH electronic limit-switches

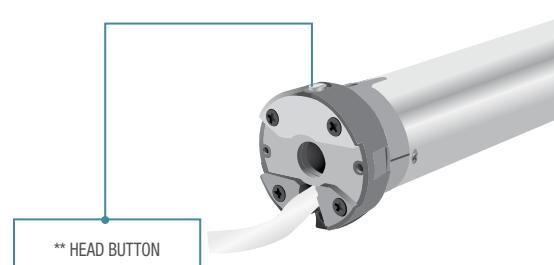
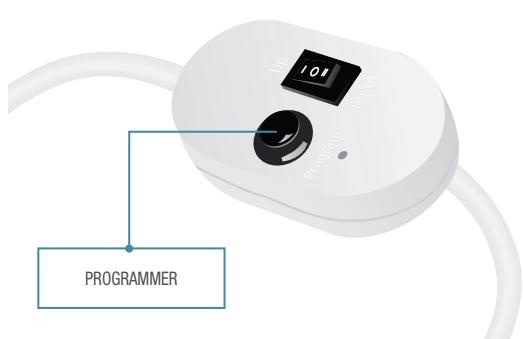
CHARACTERISTIC	ENSOR 4	ENSOR 5	ENSOR SH5
Diameter	Ø35	Ø45	Ø45
Type of limit switch	electronic	electronic	electronic
Radio control	No	No	No
Cabled control	230V Phase baffle	230V Phase baffle	230V Phase baffle
Mid point	No	No	No
FULL AUTOMATIC SETTING up to 20 Nm	No	No	Yes: stoppers are obligatory
Shutter application	Yes	Yes	exclusive
Extending awning application	No	Yes	No
Screen application	Yes	Yes	No
Number of cables	5 (phase.com.phase+ground+LS**)	5 (phase.com.phase+ground+LS**)	5 (phase.com.phase+ground+LS**)
Motor head button	Yes: LS set up**	Yes: LS set up**	Yes: LS set up**
Man present	No	No	No
Obstruction detection	No	No	Yes *
Specific adapters			Yes- octagonal 60/70-ZF54/ 64-DEPRAT 53/62*

*SPECIAL ADAPTERS FOR ENSOR SH5 - **LS = LIMIT-SWITCH

Programming procedure for ENSOR and ENSOR SH

ACTION	PROCEDURE	RESULT
RESET	Go to Opening Limit switch + UP x 5 Go to Closing Limit switch + + DW x 5	The motor performs an opening movement of about 10 cm. Wait 10 seconds after resetting.
PROGRAMMING Automatic limit switch	UP (switch or button always pressed upwards for the entire procedures)	The motor opens, closes and opens again. Obligatory mechanical strikes.
PROGRAMMING Manual limit switch	UP + Head Button or Programming Button. Release the button to set the opening limit switch. DW + Head Button or Programming Button. Release the button to set the closing limit switch.	

THE BUTTON FITTED ON THE ENSOR'S HEAD** HAS THE SAME FUNCTION OF THE PROGRAMMING BUTTON*. THAT IS, TO DEFINE THE LIMIT-SWITCH POINTS DURING MANUAL PROGRAMMING.



PROGRAMMING ELECTRONIC LIMIT-SWITCHES WITH BUILT-IN KLIMT RECEIVER

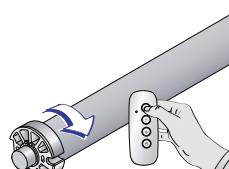
Characteristics of motors with electronic limit-switch and built-in receiver

CHARACTERISTIC	KLIMT 4	KLIMT 5	KLIMT SH5
Diameter	Ø 35	Ø 45	Ø 45
Type of limit switch	electronic	electronic	electronic
Radio control	Yes	Yes	Yes
Cabled control	No	No	Low voltage step-step command
Mid point	Yes	Yes	Yes
FULL AUTOMATIC SETTING up to 20 Nm	No	No	Yes: stoppers are obligatory
Shutter application	Yes	Yes	Yes(exclusive!)
Extending awning application	Yes	Yes	No
Screen application	Yes	Yes	No
Number of cables	3 (power supply)	3 (power supply)	5 (power supply+2 P/P low voltage)
Motor head button	Yes (change rotation of open programming)	No	Yes
Man present	Yes	Yes	Yes
Obstruction detection	No	No	Yes *
Specific adapters	No	No	Yes - octagonal 60/70-ZF54/64-DEPRAT 53/62

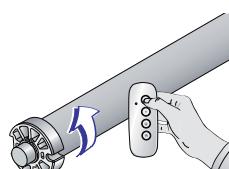
*SPECIAL ADAPTERS FOR KLIMT SH5 - **LS= LIMIT-SWITCHES

KLIMT series programming procedure

ACTION	PROCEDURE	RESULT
POWER SUPPLY		
• motor empty	• three beeps + one click-clack
• code already in memory	• three beeps
RESET	P2 + ST + P2 (only with transmitter in memory)	• 2 click-clacks (memory empty)
MEMORIZATION	P2 X 2 + UP (clockwise rotation) or	click clack (only in the first minute after powering up)
1st Transmitter	P2 x 2 + DW (counter clockwise rotation)***	
PROGRAMMING	P2 + UP + P2.....	• click clack
Automatic limit switch (ONLY KLIMT SH up to 20Nm)	+ UP.....	• search for mechanical strikes
PROGRAMMING	P2 + UP + P2.....	• click clack
Manual limit switch	+ UP = the motor goes into opening or closing mode for the awning ST at the opening Limit switch point. ST x 5" memorize Limit-switch open..... + DW = the motor goes into closing mode. ST at the closing Limit switch point. ST x 5" memorize Limit-switch close.....	• click clack
Additional TX	P2 x 2 (1st transmitter already memorized) + P2 (2nd transmitter)	click clack
DELETING LIMIT SWITCHES	P2 + DW + P2	click clack
MID POINT	P2 + UP x 2 (in the memorize or delete position	click clack = confirms THREE BEEPS = deletion
active/inactive		
Programming	Head button** x 2	BEEP + BEEP = One minute to memorize the first transmitter.
Change rotation	Head button ** x 10 secs.	click clack
MICRO MOVEMENTS to direction the venetian slats on the Venetian blinds / awnings	P2 x 3 active/inactive	click clack

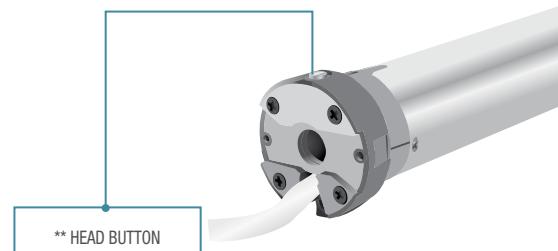


*** CLOCKWISE RADIAL ROTATION



*** COUNTER CLOCKWISE RADIAL ROTATION

Legend
P2 > Programming key
UP > Up arrow key
ST > Stop key
DW > Down arrow key



** HEAD BUTTON

230 V AC - 50 Hz
Mechanical limit switch
Optional outdoor receiver



- Can be used on a Ø 40 mm round or octagonal tube.
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Ideal for small awning boxes.
- Universal head for applying on any anchoring plate.

buttons 87



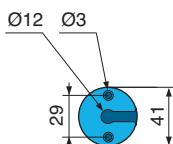
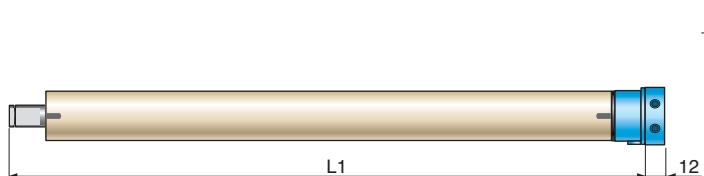
receivers 90



transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	
black	PHASE	
	4G 0.75	2.5

Technical information

CODE	001Y4006A281MO	001Y4010A171MO
Torque (Nm)	6	10
Rpm speed (turns/min)	28	17
Hoisted weight (Kg)*	17	28
Limit switch revolutions (revolutions)	39	39
Duration of operation (min)	4	4
Current draw (A)	0.53	0.53
Power (W)	121	121
Protection rating (IP)	44	44
Length (mm) = L1	432	432
Weight (Kg)	1.46	1.58
Package dimensions (mm)	540 x 70 x 70	540 x 70 x 70
Weight of packed motor (Kg)	1.7	1.8
PRICE € VAT NOT INCLUDED	126.00	116.00
CODE**	001Y4006G283MO	001Y4010G171MO
PRICE € VAT NOT INCLUDED	129.00	119.00

MONDRIAN R4 - Ø 35



230 V AC - 50 Hz
Mechanical limit switch
433.92 MHz radio receiver



- Can be used on a 40 mm round or octagonal tube.
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Ideal for small awning boxes.
- Universal head for applying on any anchoring plate.

awning protection 90



weather units 90



transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	3G 0.75
green/yellow	GROUND	2.5

Technical information

CODE	001Y4006A281MOR	001Y4010A171MOR
Torque (Nm)	6	10
Rpm speed (turns/min)	28	17
Hoisted weight (Kg)*	17	28
Limit switch revolutions (revolutions)	39	39
Duration of operation (min)	4	4
Current draw (A)	0.53	0.53
Power (W)	121	121
Protection rating (IP)	44	44
Length (mm) = L1	578	578
Weight (Kg)	1.64	1.76
Package dimensions (mm)	630 x 70 x 70	630 x 70 x 70
Weight of packed motor (Kg)	1.9	2.0
PRICE € VAT NOT INCLUDED	145.00	135.00

Can be specially packaged for manufacturers. - * Load calculated for a 40 mm tube.



230 V AC - 50 Hz
Electronic limit-switch*
433.92 MHz radio receiver



- Can be used on a 40 mm round or octagonal tube.
- Ideal for small blinds or shutters.
- Motor protection in case the winding up action is blocked.
- Easily adjustable limit switch and programming window opening via push button on the motor head.*
- The (partial opening) mid point can be adjusted.

* See programming p. 29

buttons 87



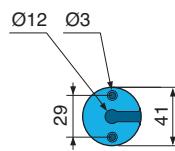
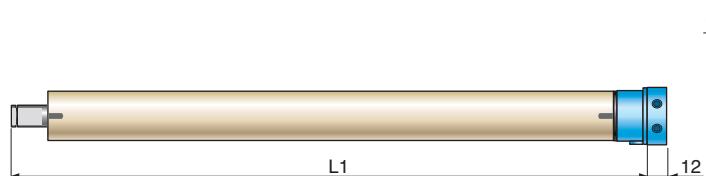
weather units 90



transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	3G 0.75
green/yellow	GROUND	2.5

Technical information

CODE	001Y4006A281KL	001Y4010A171KL
Torque (Nm)	6	10
Rpm speed (turns/min)	28	17
Hoisted weight (Kg)*	17	28
Limit switch revolutions (revolutions)	-	-
Duration of operation (min)	4	4
Current draw (A)	0.53	0.53
Power (W)	121	121
Protection rating (IP)	44	44
Length (mm) = L1	572	572
Weight (Kg)	1.46	1.58
Package dimensions (mm)	540 x 70 x 70	540 x 70 x 70
PRICE € VAT NOT INCLUDED	245.00	225.00
CODE**	001Y4006G281KL	001Y4010G171KL
PRICE € VAT NOT INCLUDED	250.00	230.00

ENSOR 4 - Ø 35



230 V AC - 50 Hz
Hard-wired electronic limit-switch*



- Can be used on a 40 mm round or octagonal tube.
- Ideal for blinds, small blinds and shutters.
- Motor protection in case the winding up action is blocked.
- Easily adjustable limit switch and programming window opening via push button on the motor head.
- Universal head for applying any type of fastening plate.

* See programming on p. 28

buttons 87

programming 86



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	5G 0.75
black	GROUND	2.5
white	PROGRAMMING	

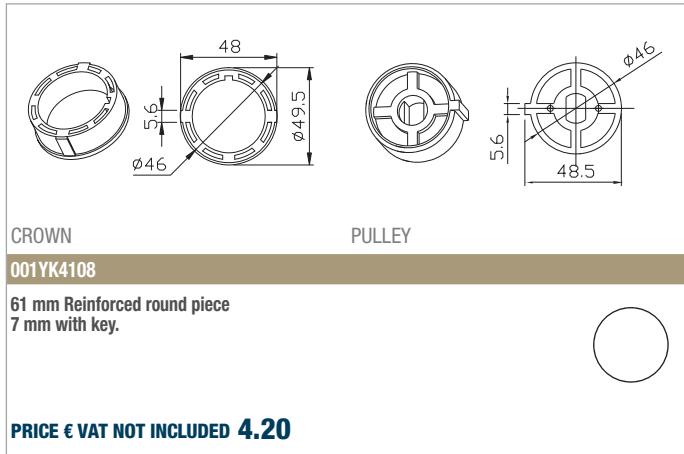
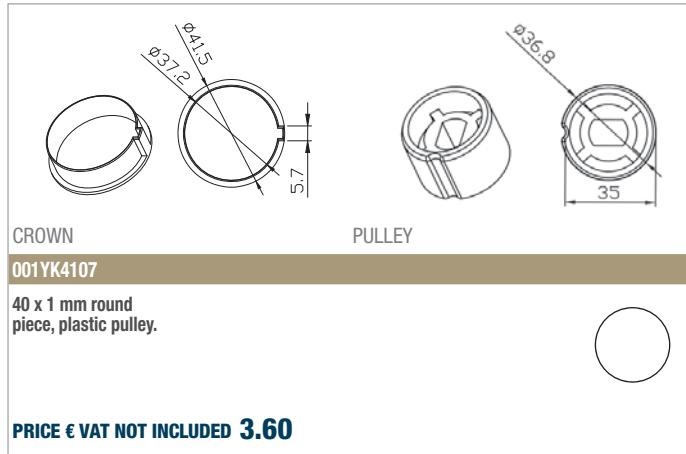
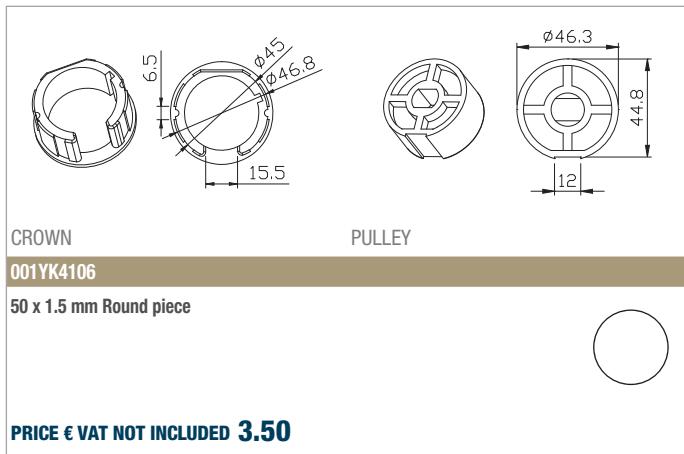
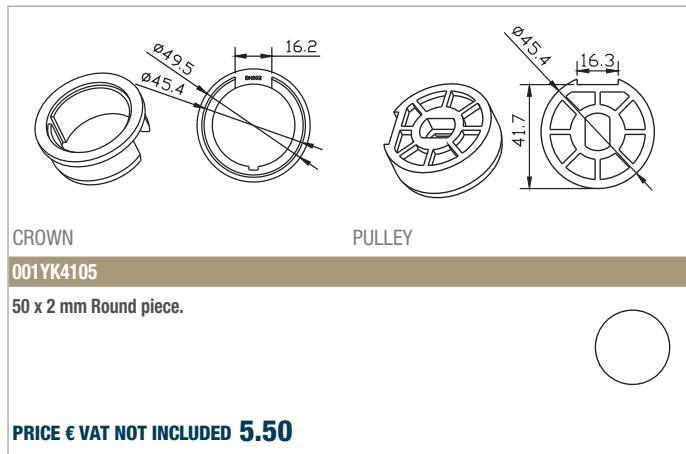
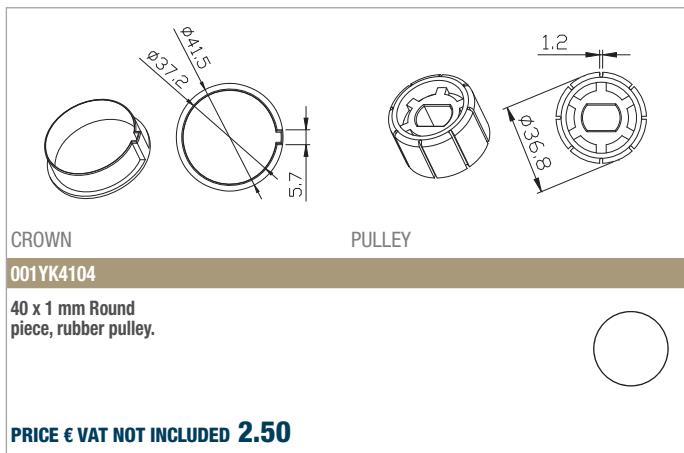
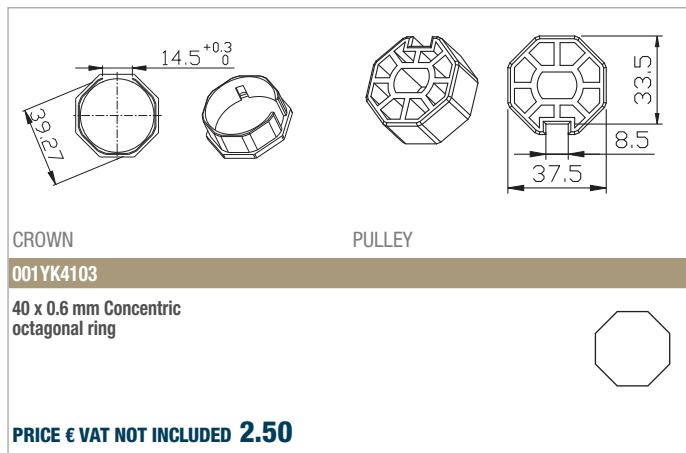
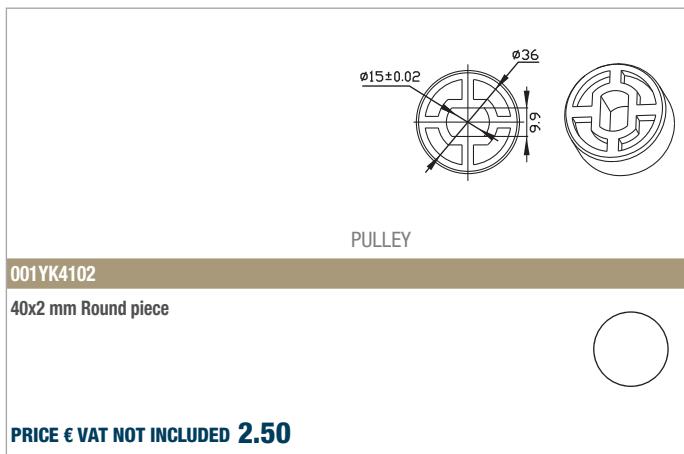
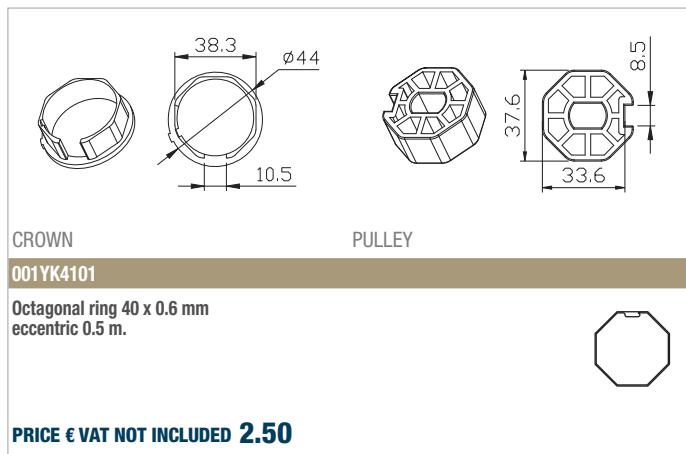
Technical information

CODE	001Y4006A281EN	001Y4010A171EN
Torque (Nm)	6	10
Rpm speed (turns/min)	28	17
Hoisted weight (Kg)*	17	28
Limit switch revolutions (revolutions)	-	-
Duration of operation (min)	4	4
Current draw (A)	0.53	0.53
Power (W)	121	121
Protection rating (IP)	44	44
Length (mm) = L1	578	578
Weight (Kg)	1.64	1.76
Package dimensions (mm)	630 x 70 x 70	630 x 70 x 70
Weight of packed motor (Kg)	1.9	2.0
PRICE € VAT NOT INCLUDED	220.00	200.00

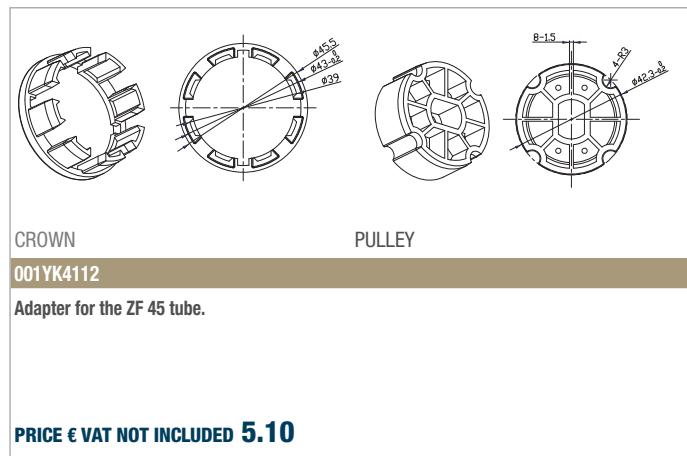
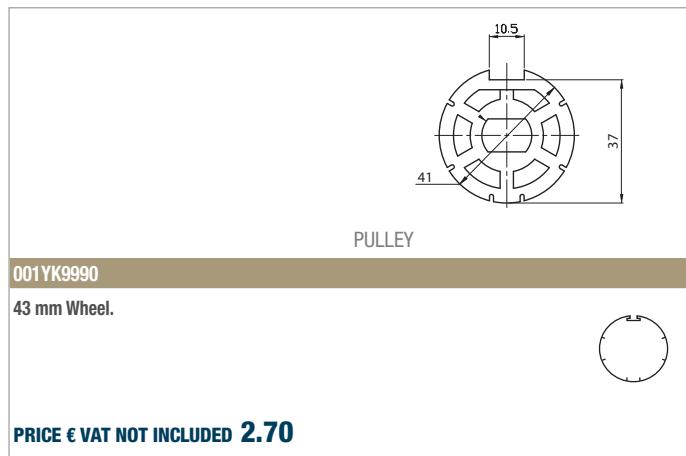
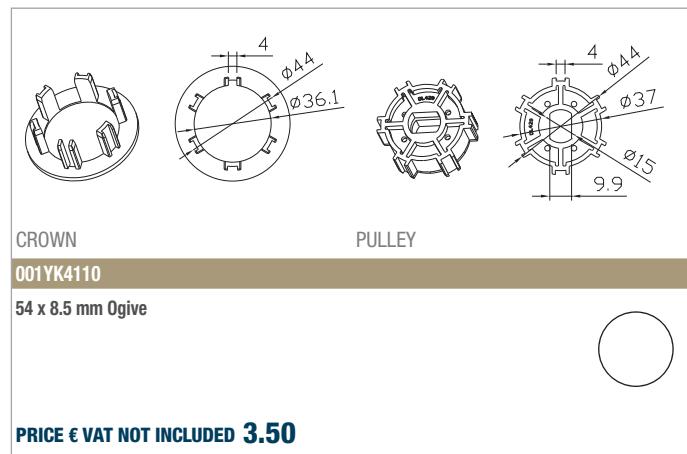
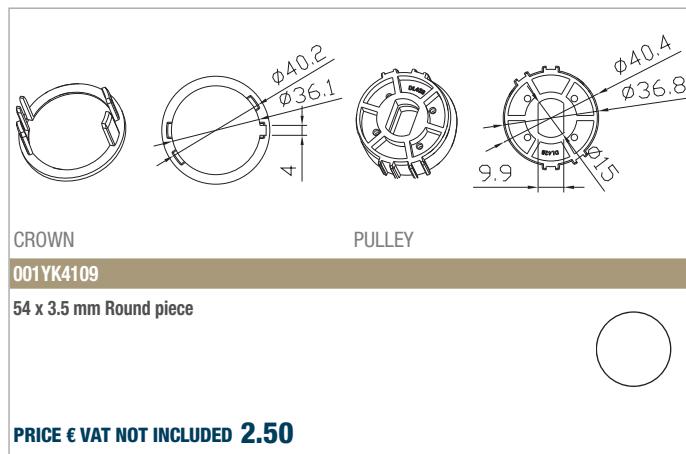
Can be specially packaged for manufacturers. - * Load calculated for a 40 mm tube.

MECHANICAL ACCESSORIES - Ø 35

Ø 35 mm Adapters

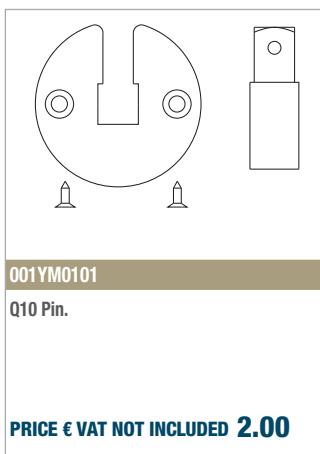


Ø 35 mm Adapters



MECHANICAL ACCESSORIES - Ø 35

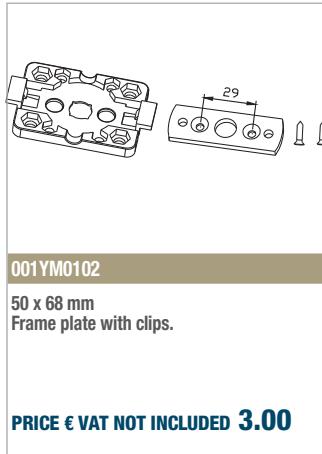
Ø 35 mm Braces



001YM0101

Q10 Pin.

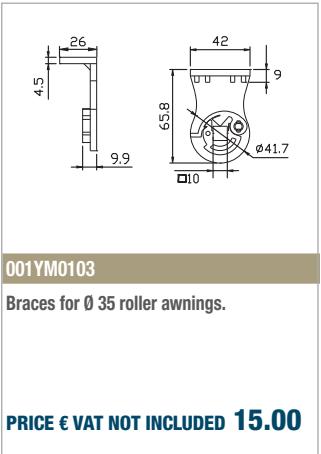
PRICE € VAT NOT INCLUDED **2.00**



001YM0102

50 x 68 mm
Frame plate with clips.

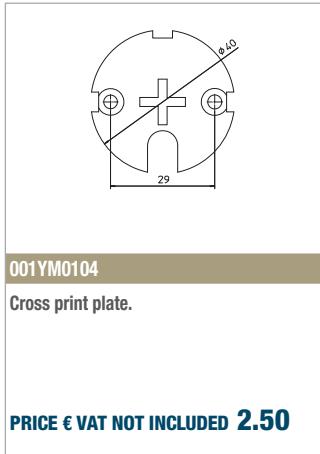
PRICE € VAT NOT INCLUDED **3.00**



001YM0103

Braces for Ø 35 roller awnings.

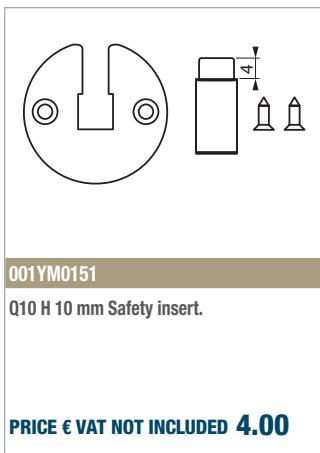
PRICE € VAT NOT INCLUDED **15.00**



001YM0104

Cross print plate.

PRICE € VAT NOT INCLUDED **2.50**



001YM0151

Q10 H 10 mm Safety insert.

PRICE € VAT NOT INCLUDED **4.00**

Extension for motors with quick-connection system



001YE0153

PVC extension 3 wires with
quick connector. L = 3 m.

PRICE € VAT NOT INCLUDED **26.20**



001YE0154

PVC extension 3 wires with
quick connector. L = 7 m.

PRICE € VAT NOT INCLUDED **42.70**



001YE0155

PVC extension 3 wires with
quick connector. L = 10 m.

PRICE € VAT NOT INCLUDED **55.10**



001YE0156

PVC extension 4 wires with
quick connector. L = 3 m.

PRICE € VAT NOT INCLUDED **28.90**



001YE0157

PVC extension 4 wires with
quick connector. L = 7 m.

PRICE € VAT NOT INCLUDED **49.10**



001YE0158

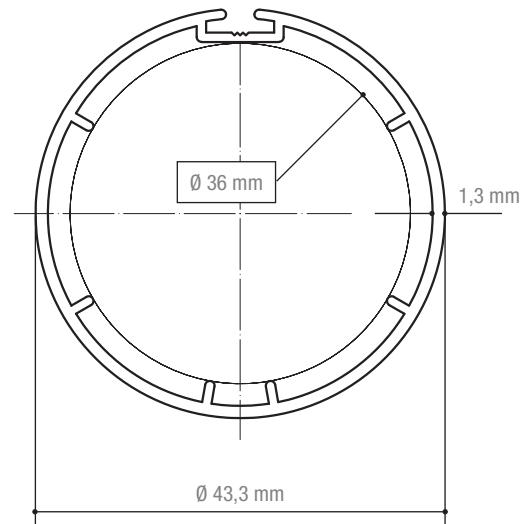
PVC extension 4 wires with
quick connector. L = 10 m.

PRICE € VAT NOT INCLUDED **64.30**

KIT FOR INDOOR WINDER AWNING - Ø 35

COMPLETE KIT H 40 MM - Ø 43 MM ROLLER TUBE - WHITE

001UY9990	QUANTITY
Pair of H 40 mm SLIM FAST braces.	1
	
Pair of covers for the H 40 mm SLIM FAST braces	1
	
Cap with pin	1
	
Cross print plate.	1
	
Adapter wheel for Ø 43 mm roller-tube.	1
	
PRICE € VAT NOT INCLUDED	5,92



COMPLETE KIT H 55 MM - Ø 43 MM ROLLER TUBE - WHITE

001UY9991	QUANTITY
Pair of H 55 mm SLIM FAST braces	1
	
Pair of covers for the H 55 mm SLIM FAST braces	1
	
Cap with pin	1
	
Cross print plate.	1
	
Adapter wheel for Ø 43 mm roller-tube.	1
	
PRICE € VAT NOT INCLUDED	6,53

COMPLETE KIT H 70 MM - Ø 43 MM ROLLER TUBE - WHITE

001UY9994	QUANTITY
Pair of H 70 mm SLIM FAST braces	1
	
Pair of covers for the H 70 mm SLIM FAST braces	1
	
Cap 43 mm WHITE	1
	
Cross-print plate	1
	
Wheel adapter for Ø 43 mm roller-tube	1
	
PRICE € VAT NOT INCLUDED	8,16

230 V AC - 50 Hz
Mechanical limit switch
Optional outdoor receiver



- Can be used on a 50 mm round or octagonal tube.
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Universal head for applying to any anchoring plate.

buttons 87



receivers 90



awning protection 90



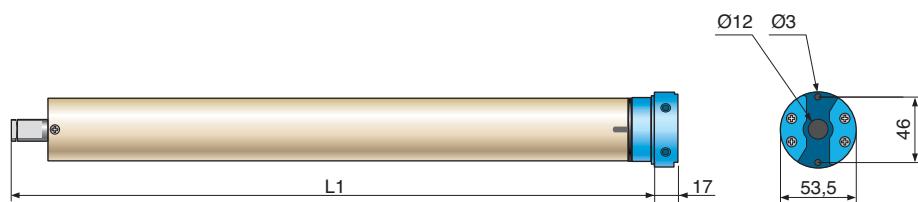
weather units 90



transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	
black	PHASE	
4G 0.75		2.5

Technical information

CODE	001Y5010A151MO	001Y5010A261MO	001Y5020A151MO	001Y5030A151MO	001Y5040A151MO	001Y5050A121MO
Torque (Nm)	10	10	20	30	40	50
Rpm speed (turns/min)	15	26	15	15	15	12
Hoisted weight (Kg)*	18	18	36	55	74	92
Limit switch revolutions (revolutions)	22	22	22	22	22	22
Duration of operation (min)	4	4	4	4	4	4
Current draw (A)	0.49	0.64	0.64	0.83	0.86	0.89
Power (W)	113	145	161	200	198	205
Protection rating (IP)	44	44	44	44	44	44
Length (mm) = L1	453	453	453	523	523	523
Weight (Kg)	1.88	2.5	2.05	2.31	2.44	2.6
Package dimensions (mm)	518 x 80 x 80	518 x 80 x 80	518 x 80 x 80	585 x 80 x 80	585 x 80 x 80	585 x 80 x 80
Weight of packed motor (Kg)	2.05	2.68	2.25	2.5	2.65	2.8
PRICE € VAT NOT INCLUDED	88.00	98.00	92.00	97.00	105.00	112.00
CODE **	001Y5010G151MO		001Y5020G151MO	001Y5030G151MO		
PRICE € VAT NOT INCLUDED	91.00		102.00	110.00		

MONDRIAN R5 - Ø 45



230 V AC - 50 Hz
Mechanical limit switch
433.92 MHz radio receiver



- Can be used on a 50 mm round or octagonal tube.
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Universal head for applying any fastening plate

awning protection 90



weather units 90



transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	3G 0.75
green/yellow	GROUND	2.5

Technical information

CODE	001Y5010A151MOR	001Y5010A261MOR	001Y5020A151MOR	001Y5030A151MOR	001Y5040A151MOR	001Y5050A121MOR
Torque (Nm)	10	10	20	30	40	50
Rpm speed (turns/min)	15	26	15	15	15	12
Hoisted weight (Kg)*	18	18	36	55	74	92
Limit switch revolutions (revolutions)	22	22	22	22	22	22
Duration of operation (min)	4	4	4	4	4	4
Current draw (A)	0.49	0.64	0.64	0.83	0.86	0.89
Power (W)	113	145	161	200	198	205
Protection rating (IP)	44	44	44	44	44	44
Length (mm) = L1	593	593	593	623	623	623
Weight (Kg)	2.17	2.79	2.34	2.6	2.73	2.89
Package dimensions (mm)	685 x 90 x 90	685 x 90 x 90	685 x 90 x 90	685 x 90 x 90	685 x 90 x 90	685 x 90 x 90
Weight of packed motor (Kg)	2.47	3.09	2.64	2.9	3.03	3.19
PRICE € VAT NOT INCLUDED	169.00	179.00	177.00	187.00	199.00	216.00
CODE **	001Y5010G151MOR		001Y5020G151MOR	001Y5030G151MOR		
PRICE € VAT NOT INCLUDED	175.00		183.00	193.00		

Can be specially packaged for manufacturers. - * Calculated load for 50 mm winder tube. - ** Versions with quick-connection system

230 V AC - 50 Hz
Mechanical limit switch
Optional outdoor receiver
Short motor



- Can be used on a 50 mm round or octagonal tube
- Especially suited when applied onto smaller blinds or shutters.
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Double center distance to facilitate anchoring using a vast array of support types.
- Holes on the head at 29 mm and at 46 mm.

buttons 87



receivers 90



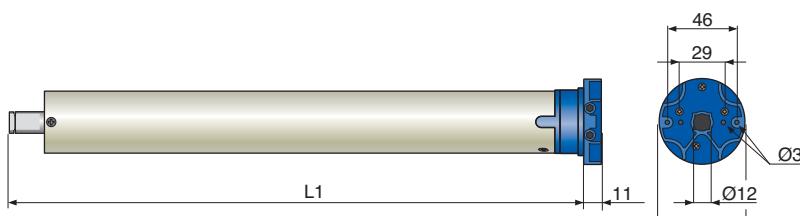
weather units 90



transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	
black	PHASE	
	4G 0.75	2.5

Technical information

CODE	001Y5010A151MA	001Y5020A151MA
Torque (Nm)	10	20
Rpm speed (turns/min)	15	15
Hoisted weight (Kg)*	18	36
Limit switch revolutions (revolutions)	16	16
Duration of operation (min)	4	4
Current draw (A)	0.49	0.64
Power (W)	112	145
Protection rating (IP)	44	44
Length (mm) = L1	340	355
Weight (Kg)	1.4	1.55
Package dimensions (mm)	518 x 80 x 80	518 x 80 x 80
Weight of packed motor (Kg)	1.65	1.9
PRICE € VAT NOT INCLUDED	109.00	119.00

MONDRIAN Q5 - Ø 45



230 V AC - 50 Hz
Mechanical limit switch
Optional outdoor receiver SILENT



- Can be used on a 50 mm round or octagonal tube
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Special silent action.
- Universal head for applying to any anchoring plate.

buttons 87



receivers 90



transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	
black	PHASE	
	4G 0.75	2.5

Technical information

CODE	001Y5010A171M0Q
Torque (Nm)	10
Rpm speed (turns/min)	17
Hoisted weight (Kg)*	18
Limit switch revolutions (revolutions)	22
Duration of operation (min)	4
Current draw (A)	0.53
Power (W)	121
Protection rating (IP)	44
Length (mm) = L1	643
Weight (Kg)	3
Package dimensions (mm)	710 x 80 x 80
Weight of packed motor (Kg)	3.3
PRICE € VAT NOT INCLUDED	110.00

Can be specially packaged for manufacturers. - * Calculated load for 50 mm winder tube.

MONDRIAN QR5 - Ø 45



230 V AC - 50 Hz
Mechanical limit switch
433.92 MHz radio receiver
SILENT



- Can be used on a 50 mm round or octagonal tube
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Special silent action.
- Universal head for applying to any anchoring plate.

awning protection 90



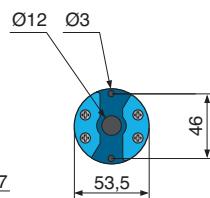
weather units 90



transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	3G 0.75

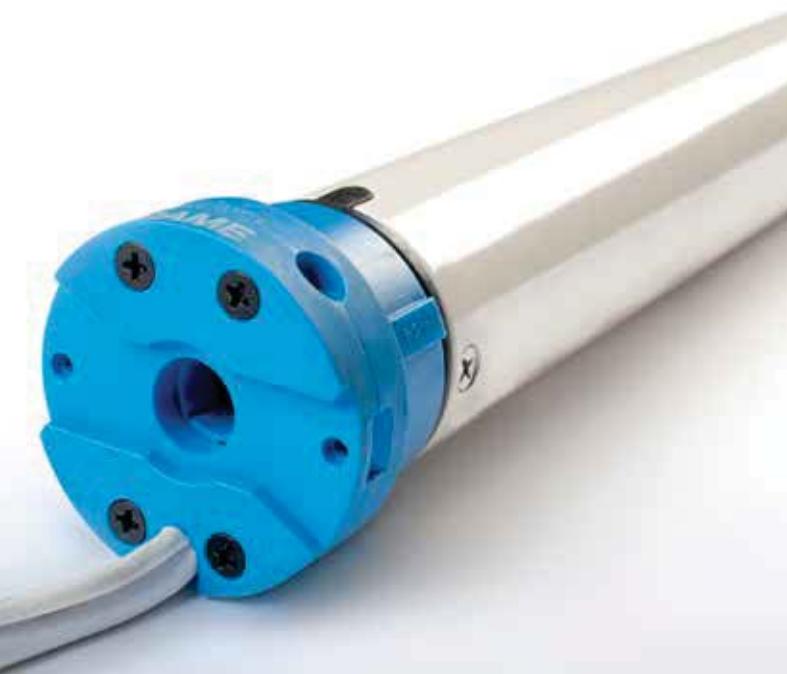
Technical information

CODE	001Y5010A171MQR
Torque (Nm)	10
Rpm speed (turns/min)	17
Hoisted weight (Kg)*	19
Limit switch revolutions (revolutions)	22
Duration of operation (min)	4
Current draw (A)	0.53
Power (W)	121
Protection rating (IP)	44
Length (mm) = L1	803
Weight (Kg)	3.1
Package dimensions (mm)	860 x 90 x 90
Weight of packed motor (Kg)	3.5
PRICE € VAT NOT INCLUDED	192.00

KLIMT 5 - Ø 45



230 V AC - 50 Hz
Electronic limit switch
433.92 MHz radio receiver



- Can be used on a 50 mm round or octagonal tube
- Ideal for small awning boxes.
- Universal head for applying to any anchoring plate.
- The (partial opening) mid point can be adjusted.

* See programming p. 29

awning protection 90



weather units 90



transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	3G 0.75
green/yellow	GROUND	2.5

Technical information

CODE	001Y5010A151KL	001Y5010A261KL	001Y5020A151KL	001Y5030A151KL	001Y5040A151KL	001Y5050A121KL
Torque (Nm)	10	10	20	30	40	50
Rpm speed (turns/min)	15	26	15	15	15	12
Hoisted weight (Kg)*	18	18	36	55	74	92
Limit switch revolutions (revolutions)	-	-	-	-	-	-
Duration of operation (min)	4	4	4	4	4	4
Current draw (A)	0.48	0.69	0.69	0.87	0.95	0.99
Power (W)	113	161	161	200	218	228
Protection rating (IP)	44	44	44	44	44	44
Length (mm) = L1	594	594	594	624	624	624
Weight (Kg)	1.88	2.12	2.07	2.4	2.76	2.76
Package dimensions (mm)	660 x 80 x 80	660 x 80 x 80	660 x 80 x 80	660 x 80 x 80	660 x 80 x 80	660 x 80 x 80
Weight of packed motor (Kg)	2.1	2.4	2.3	2.7	3	3
PRICE € VAT NOT INCLUDED	176.00	186.00	186.00	197.00	204.00	229.00
CODE**	001Y5010G151KL		001Y5020G151KL	001Y5030G151KL		
PRICE € VAT NOT INCLUDED	181.00		191.00	202.00		

Can be specially packaged for manufacturers. - * Load calculated for a 50 mm roller. - ** Versions with quick connection system

ENSOR 5 - Ø 45



230 V AC - 50 Hz
Hard-wired electronic limit-switch*



- Can be used on a 50 mm round or octagonal tube
- Motor protection in case the winding up movement is blocked.
- Easily adjustable limit switch and opening programming window via button located on the motor head.
- Universal head for applying any type of fastening plate.

* See programming on p. 28

buttons 87

programming 59



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	5G 0.75
black	GROUND	2.5
white	PROGRAMMING	

Technical information

CODE	001Y5010A151EN	001Y5020A151EN	001Y5030A151EN	001Y5040A121EN
Torque (Nm)	10	20	30	40
Rpm speed (turns/min)	15	15	15	12
Hoisted weight (Kg)*	18	36	55	74
Limit switch revolutions (revolutions)	-	-	-	-
Duration of operation (min)	4	4	4	4
Current draw (A)	0.48	0.69	0.87	0.99
Power (W)	113	161	200	228
Protection rating (IP)	44	44	44	44
Length (mm) = L1	604	604	654	654
Weight (Kg)	2.21	2.29	2.6	2.7
Package dimensions (mm)	660 x 80 x 80	660 x 80 x 80	710 x 80 x 80	710 x 80 x 80
Weight of packed motor (Kg)	2.47	2.64	3.0	3.1
PRICE € VAT NOT INCLUDED	169.00	179.00	190.00	199.00

KLIMT AW5 - Ø 45



230 V AC - 50 Hz
Electronic limit switch
433.92 MHz radio receiver
Releases fabric when closing
Can activate fabric tensioning while opening

- Special model for boxed awnings
- Can be used on Ø 60 mm round tubes.
- Ideal for small boxes
- Universal head for applying any type of fastening plate
- The (partial opening) limit-switch mid point can be adjusted.

* See programming on p. 29

awning protection 90



weather units 90



transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	3G 0.75
green/yellow	GROUND	2.5

Technical information

CODE	001Y5020A151KLA	001Y5030A151KLA	001Y5040A151KLA	001Y5050A121KLA
Torque (Nm)	20	30	40	50
Rpm speed (turns/min)	15	15	15	12
Hoisted weight (Kg)*	36	55	74	92
Limit switch revolutions (revolutions)	-	-	-	-
Duration of operation (min)	4	4	4	4
Current draw (A)	0.69	0.87	0.95	0.99
Power (W)	161	200	218	228
Protection rating (IP)	44	44	44	44
Length (mm) = L1	594	624	624	624
Weight (Kg)	2.07	2.4	2.76	2.76
Package dimensions (mm)	710 x 80 x 80			
Weight of packed motor (Kg)	2.3	2.7	3	3
PRICE € VAT NOT INCLUDED	206.00	207.00	214.00	239.00

MONDRIAN M5 - Ø 45



230 V AC - 50 Hz
Mechanical limit switch
Built-in emergency maneuver



- Can be used on a 50 mm round or octagonal tube
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Manually activated with emergency wand.
- Reduction ratio: 1:24.

manual maneuver 54



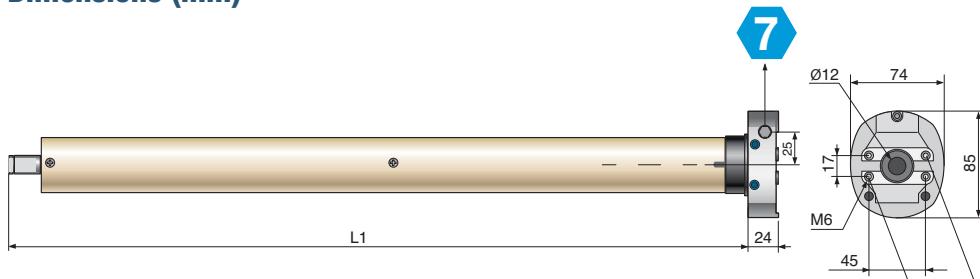
buttons 87



weather units 90



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	
black	PHASE	
	4G 0.75	2.5

Technical information

CODE	001Y5020A151MOM	001Y5030A151MOM	001Y5040A151MOM	001Y5050A121MOM
Torque (Nm)	20	30	40	50
Rpm speed (turns/min)	15	15	15	12
Hoisted weight (Kg)*	36	55	74	92
Limit switch revolutions (revolutions)	23	23	23	23
Duration of operation (min)	4	4	4	4
Current draw (A)	0.64	0.83	0.86	0.89
Power (W)	145	191	198	205
Protection rating (IP)	44	44	44	44
Length (mm) = L1	526	586	586	586
Weight (Kg)	2.4	2.85	3.16	3.32
Package dimensions (mm)	650 x 120 x 120			
Weight of packed motor (Kg)	2.8	3.2	3.46	3.62
PRICE € VAT NOT INCLUDED	159.00	167.00	177.00	185.00

MONDRIAN MR5 - Ø 45



230 V AC - 50 Hz
Mechanical limit switch
Built-in emergency maneuver
433.92 MHz radio receiver



- Can be used on a 50 mm round or octagonal tube
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Manually activated with emergency wand.
- Reduction ratio: 1:24

manual maneuver 54



awning protection



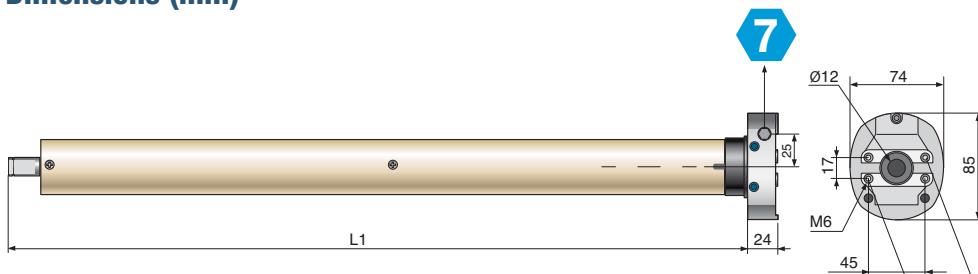
weather units 90



transmitters 88



Dimensions (mm)



Cabling

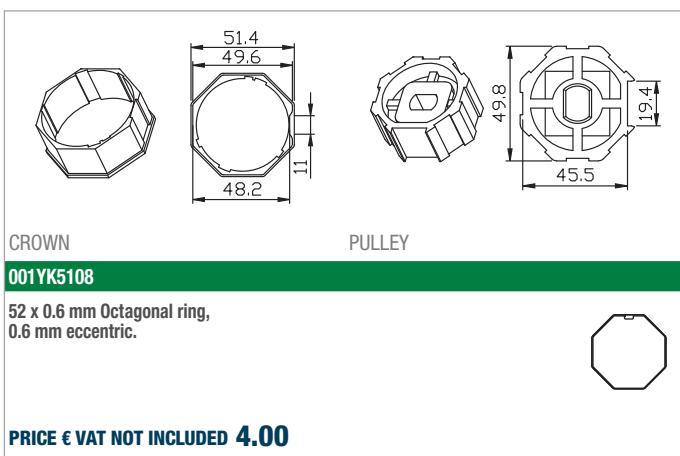
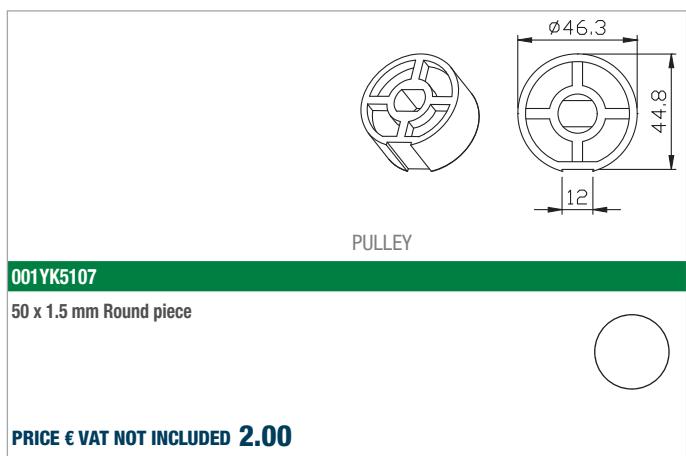
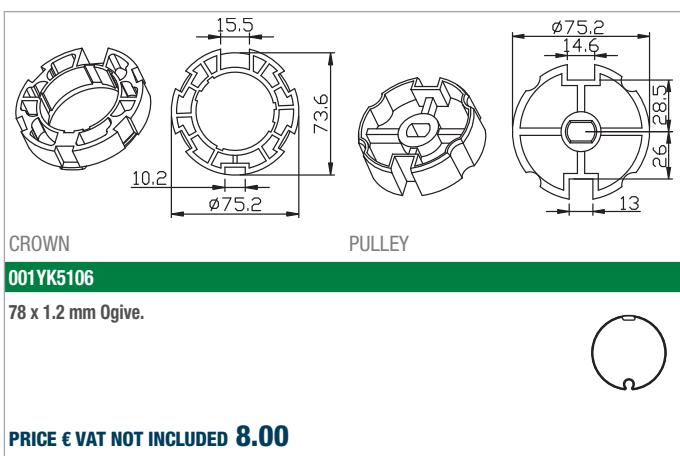
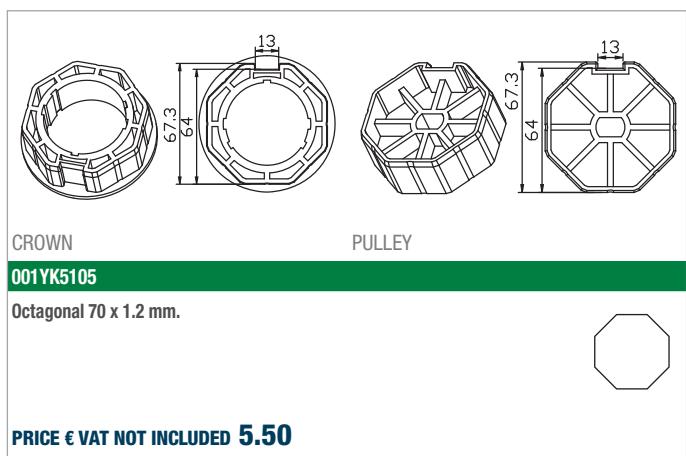
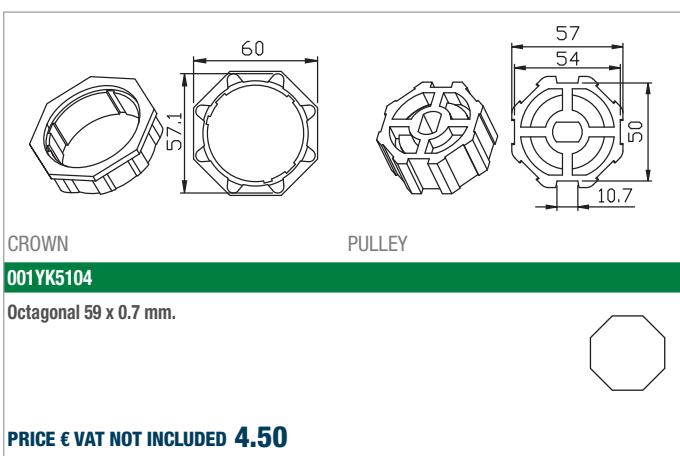
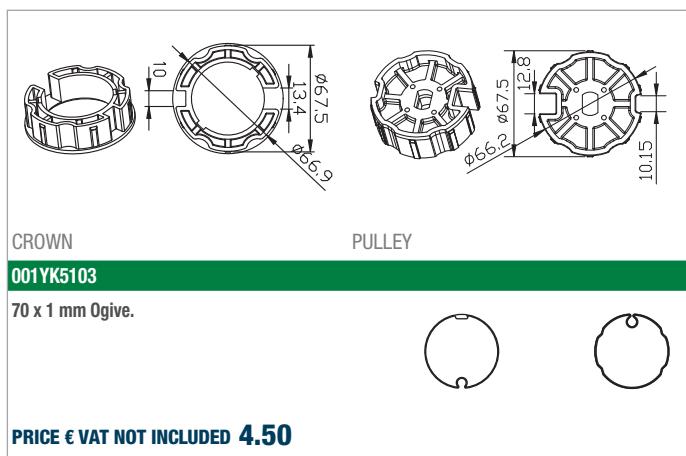
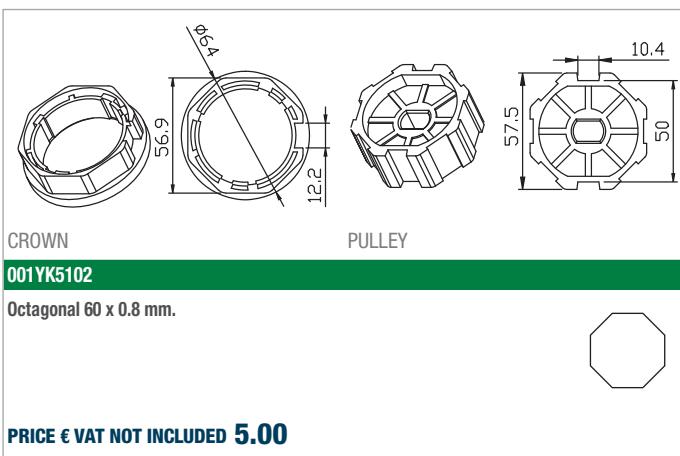
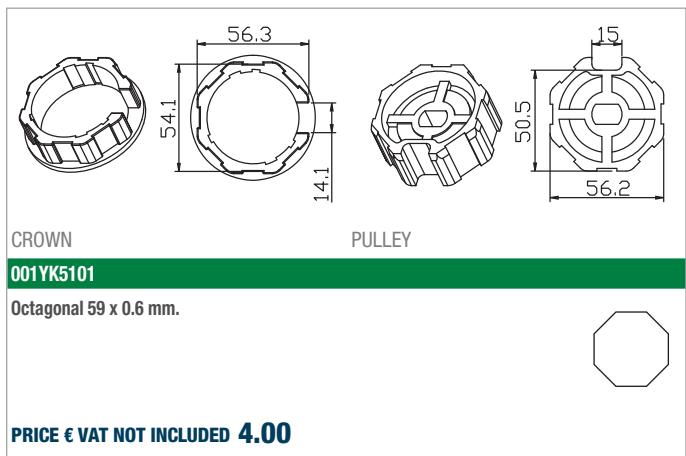
COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	3G 0.75
green/yellow	GROUND	2.5

Technical information

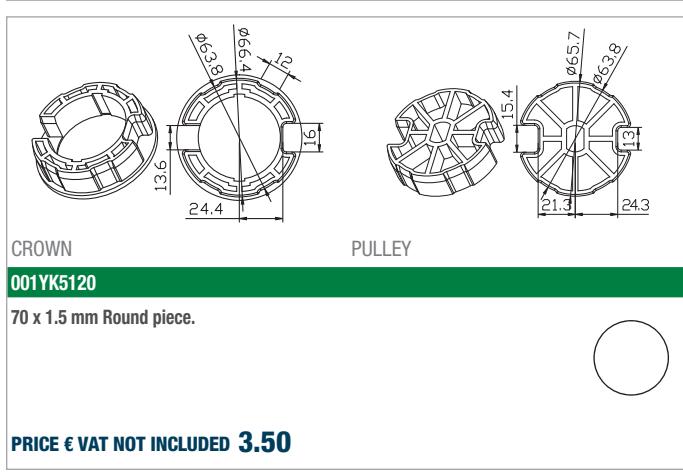
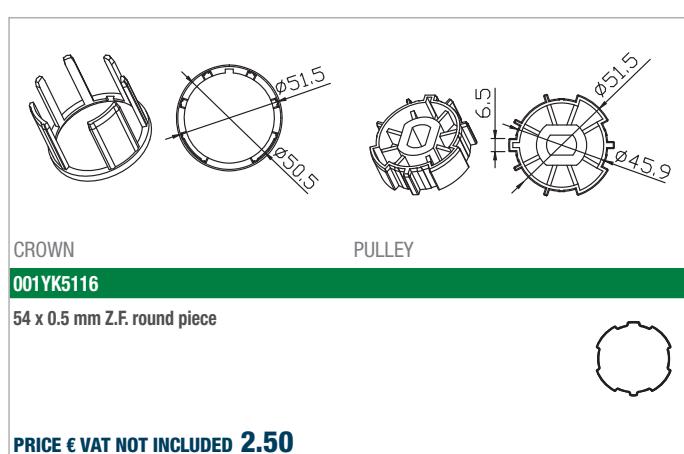
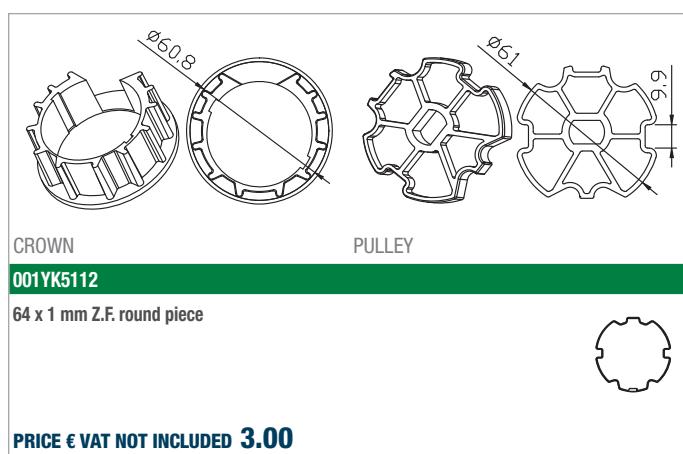
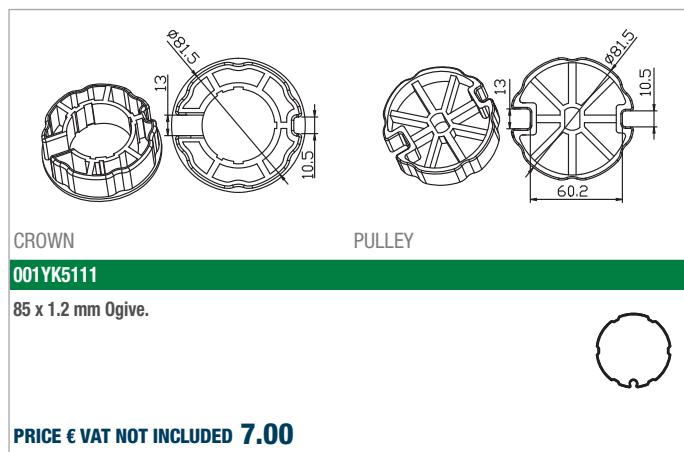
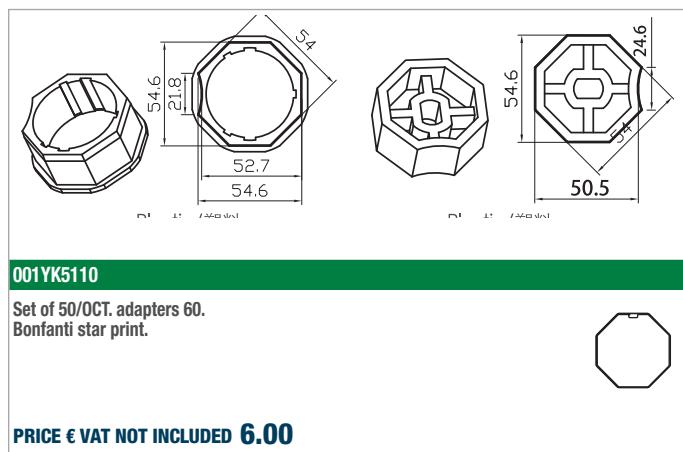
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Torque (Nm)	20	30	40	50
Rpm speed (turns/min)	15	15	15	12
Hoisted weight (Kg)*	36	55	74	92
Limit switch revolutions (revolutions)	23	23	23	23
Duration of operation (min)	4	4	4	4
Current draw (A)	0.65	0.83	0.86	0.89
Power (W)	145	191	198	205
Protection rating (IP)	44	44	44	44
Length (mm) = L1	696	756	756	756
Weight (Kg)	2.75	3.2	3.5	3.5
Package dimensions (mm)	810 x 120 x 120			
Weight of packed motor (Kg)	3.15	3.6	3.9	3.9
PRICE € VAT NOT INCLUDED	221.00	230.00	243.00	250.00

MECHANICAL ACCESSORIES - Ø 45

Ø 45 mm Adapters

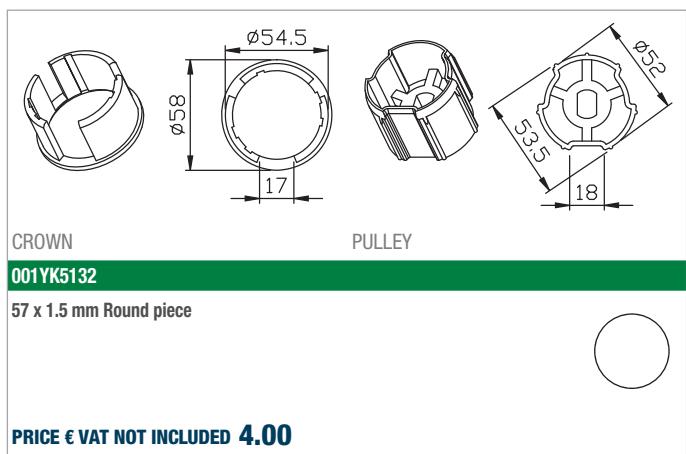
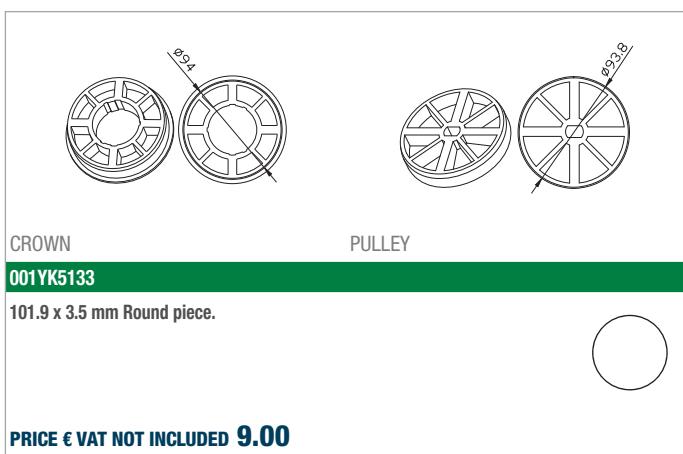
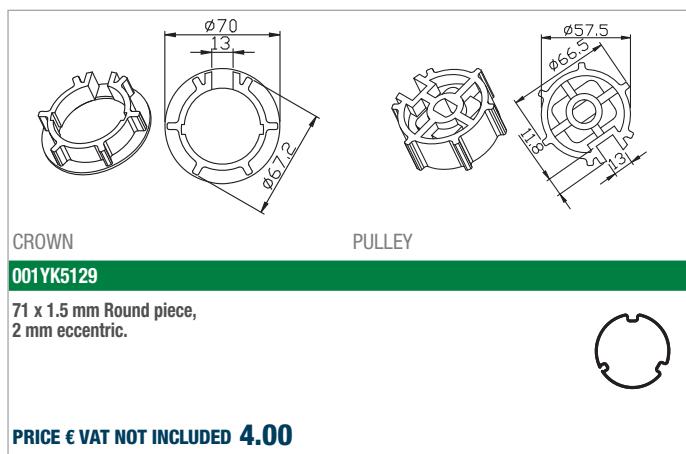
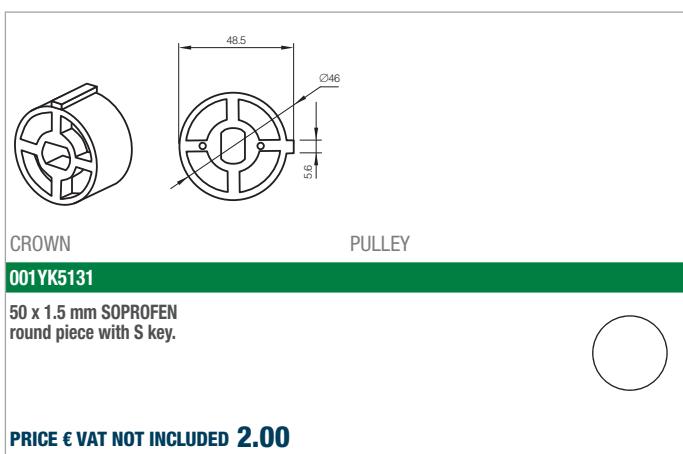
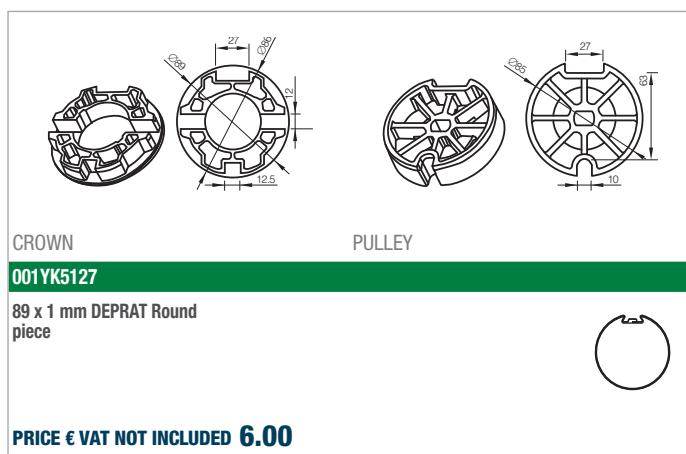
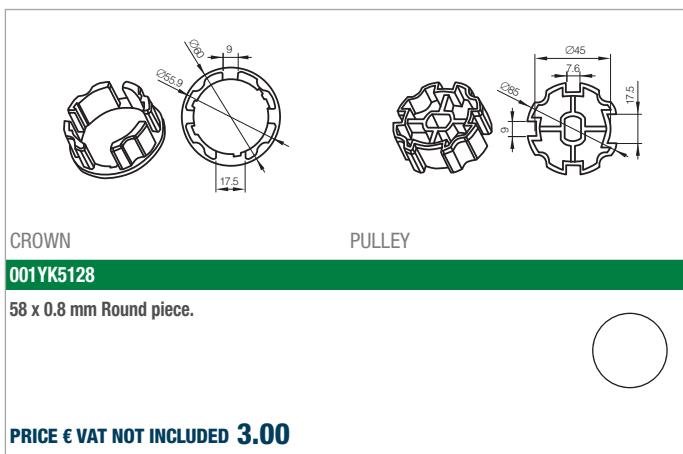
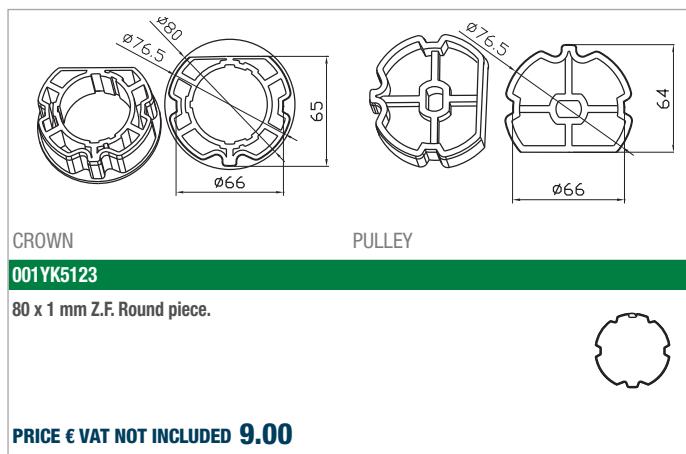


Ø 45 mm Adapters

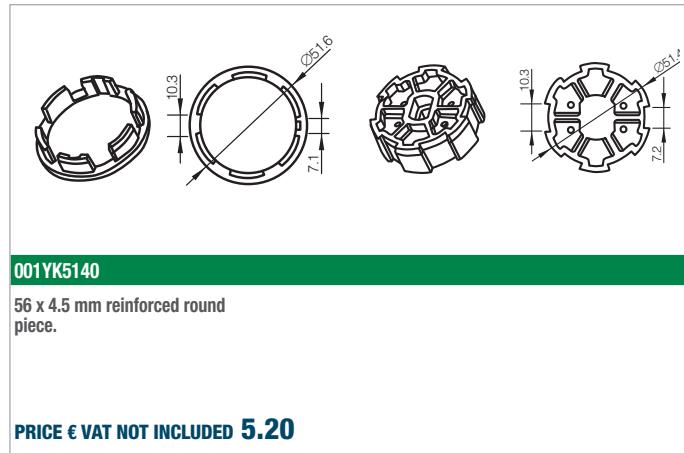
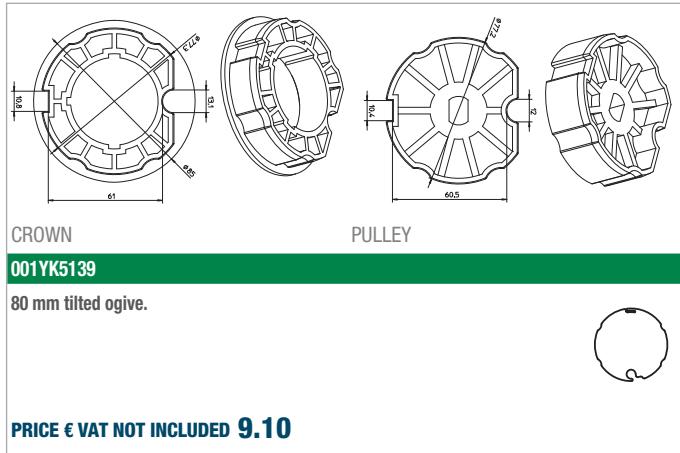
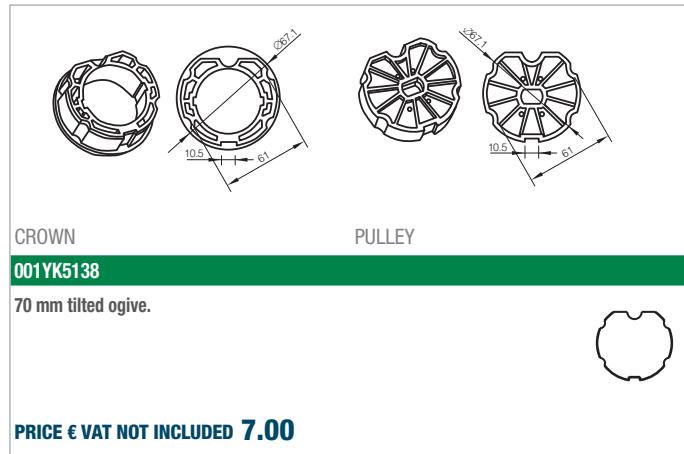
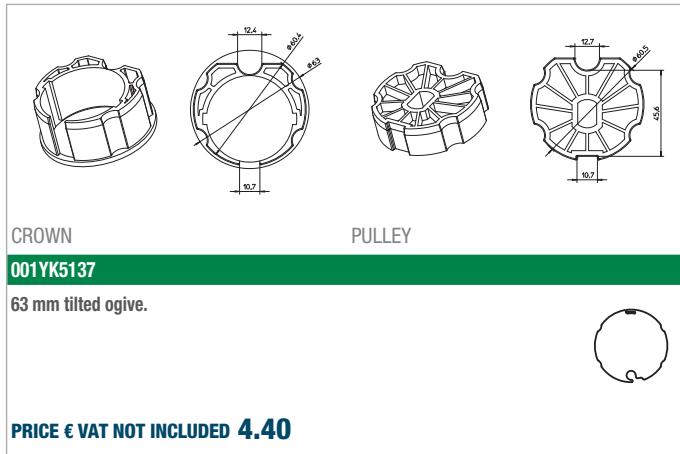
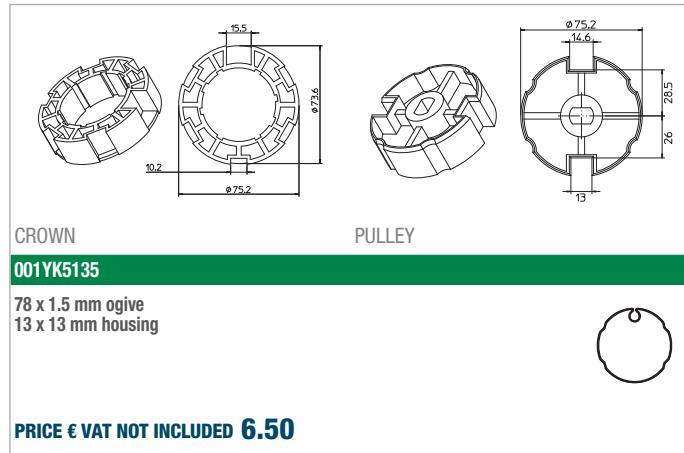
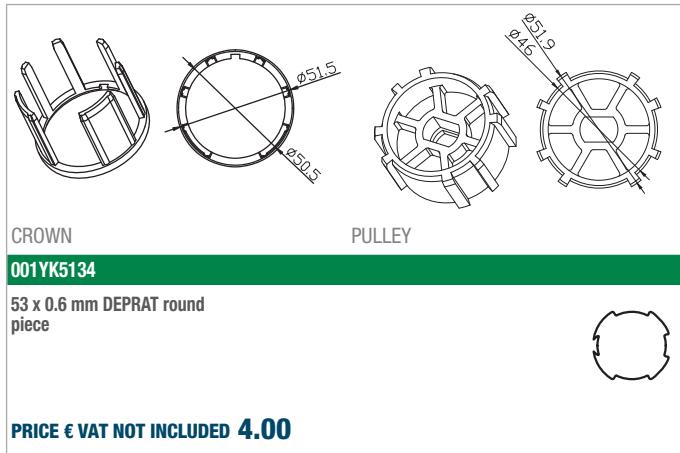


MECHANICAL ACCESSORIES - Ø 45

Ø 45 mm Adapters

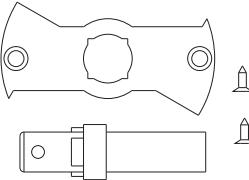
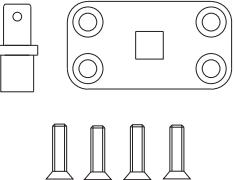
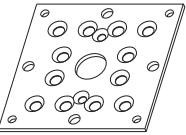
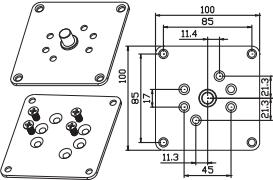
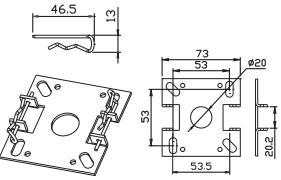
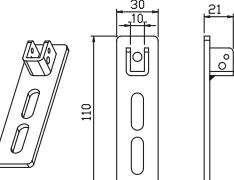
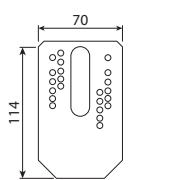
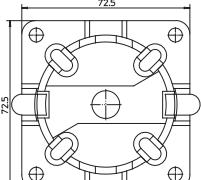
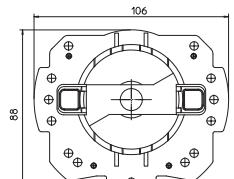
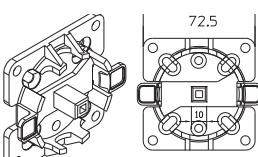
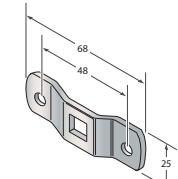
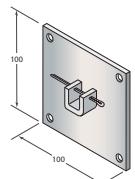
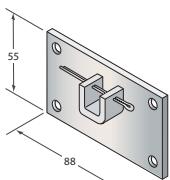
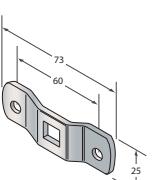
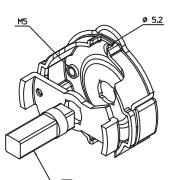
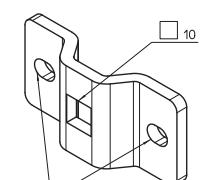


Ø 45 mm Adapters

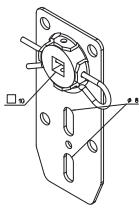


MECHANICAL ACCESSORIES - Ø 45

Ø 45 mm Braces

 <p>001YM0105 Q10 MO 5 Security insert</p> <p>PRICE € VAT NOT INCLUDED 2.00</p>	 <p>001YM0106 Q10 MOM 5 Security insert</p> <p>PRICE € VAT NOT INCLUDED 2.00</p>	 <p>001YM0111 Multi-perforated plate for: MOM 5, MOM 6 and MO6.</p> <p>PRICE € VAT NOT INCLUDED 3.00</p>	 <p>001YM0112 Plate with pin for: MOM 5 and MO6.</p> <p>PRICE € VAT NOT INCLUDED 3.50</p>
 <p>001YM0109 MO 5 chantier brace max 30 Nm.</p> <p>PRICE € VAT NOT INCLUDED 2.50</p>	 <p>001YM0110 Two-eyelet adjustable brace Q10 saddle.</p> <p>PRICE € VAT NOT INCLUDED 2.00</p>	 <p>001YM0115 Multi-perforated plate for sides with pin.</p> <p>PRICE € VAT NOT INCLUDED 2.50</p>	 <p>001YM0116 MO 5 quick plastic brace with hole max 20 Nm. Center distance 48/60 mm.</p> <p>PRICE € VAT NOT INCLUDED 2.50</p>
 <p>001YM0113 MO 5 quick plastic brace for the ZF side piece max 20 Nm.</p> <p>PRICE € VAT NOT INCLUDED 2.50</p>	 <p>001YM0114 MO 5 quick support with plastic Q10 pin max 30 Nm. Center distance 48/60 mm.</p> <p>PRICE € VAT NOT INCLUDED 2.50</p>	 <p>001YM0014 Omega with 48 mm center distance Q10 housing.</p> <p>PRICE € VAT NOT INCLUDED 3.00</p>	 <p>001YM0018 100 x 100 mm brace with Q10 saddle.</p> <p>PRICE € VAT NOT INCLUDED 6.00</p>
 <p>001YM0004 88 x 55 mm brace with Q10 saddle.</p> <p>PRICE € VAT NOT INCLUDED 6.00</p>	 <p>001YM0011 Omega with 60 mm center distance Q10 housing.</p> <p>PRICE € VAT NOT INCLUDED 4.00</p>	 <p>001YM0127 Iron brace for the MO 5.</p> <p>PRICE € VAT NOT INCLUDED 7.30</p>	 <p>001YM0137 OMEGA Q10 center distance 44-48 mm.</p> <p>PRICE € VAT NOT INCLUDED 2.00</p>

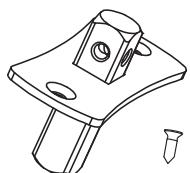
Ø 45 mm Braces



001YM0140

Adjustable brace with bushing for Q10.

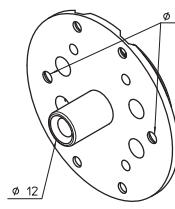
PRICE € VAT NOT INCLUDED 3.20



001YM0145

Q10 pin especially made for the MATTA 5 tube motor. **Special matta**

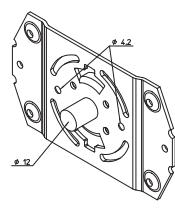
PRICE € VAT NOT INCLUDED 2.80



001YM0138

Brace for traditional bracket.

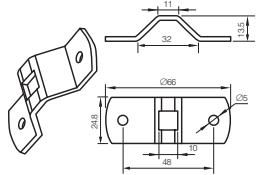
PRICE € VAT NOT INCLUDED 3.30



001YM0139

Brace for KOMMERLING side piece.

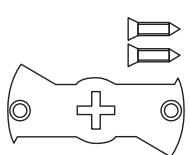
PRICE € VAT NOT INCLUDED 6.30



001YM0153

Omega with D5 mm holes and 48 mm center distance Q10 housing.

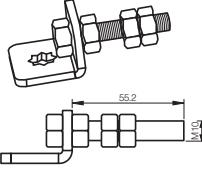
PRICE € VAT NOT INCLUDED 3.00



001YM0156

70023 cross-shaped plate brace with screws.

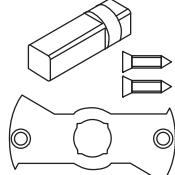
PRICE € VAT NOT INCLUDED 1.00



001YM0146

M10 screw brace with size 10 star housing.

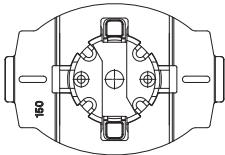
PRICE € VAT NOT INCLUDED 5.00



001YM0152

Q10 H4 mm Square-pin safety insert.

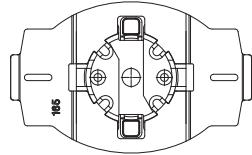
PRICE € VAT NOT INCLUDED 4.50



001YM0147

Snap-in awning-box blade for 150 mm sides.

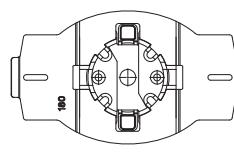
PRICE € VAT NOT INCLUDED 8.20



001YM0148

Snap-in awning-box blade for 165 mm sides.

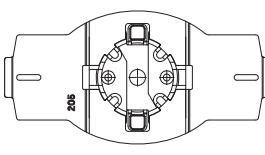
PRICE € VAT NOT INCLUDED 8.50



001YM0149

Snap-in awning-box blade for 180 mm sides.

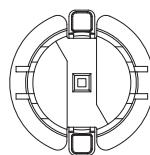
PRICE € VAT NOT INCLUDED 8.90



001YM0150

Snap-in awning-box blade for 205 mm sides.

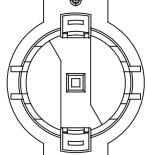
PRICE € VAT NOT INCLUDED 9.20



001YM0157

Coffrelite awning-box brace

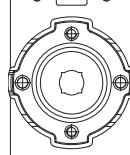
PRICE € VAT NOT INCLUDED 2.70



001YM0158

Edilcasse awning-box brace

PRICE € VAT NOT INCLUDED 2.80



001YM0159

Quick steel-brace with plate.

PRICE € VAT NOT INCLUDED 8.30

ACCESSORIES MANUAL MANEUVER

Rods joints and eyelets



Extension for motors with quick-connection system

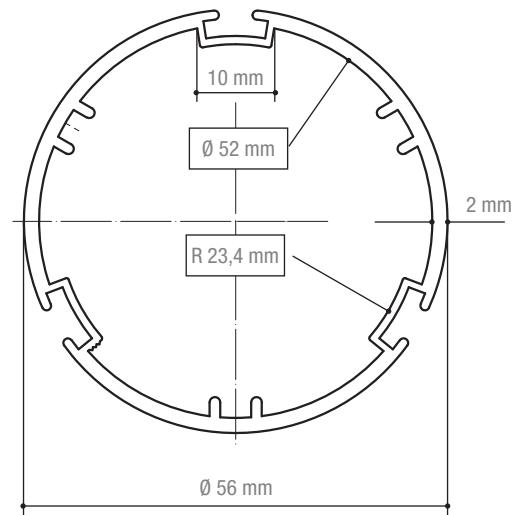


KIT FOR INDOOR WINDER AWNINGS - Ø 45

COMPLETE KIT H 80 MM - Ø 56 MM ROLLER-TUBE - WHITE

001UY9992	QUANTITY
Universal brace 56/80 mm.	x 2
Cover for 56/80 mm universal brace.	x 2
Cap rest.	1
Motor brace.	1
Caps with pin.	1
Cap adapter.	1
Cross print plate.	1
Adapter wheel for Ø 56 mm roller-tube.	1

PRICE € VAT NOT INCLUDED

14,08

COMPLETE KIT H 70 MM - Ø 56 MM ROLLER-TUBE - WHITE

001UY9995	QUANTITY
Pair of SLIM FAST H 70 mm braces.	1
Pair of covers for the SLIM FAST H 70 mm braces.	1
Cap with pin.	1
Cap adapter.	1
Cross print plate.	1
Adapter wheel for Ø 56 mm roller-tube.	1

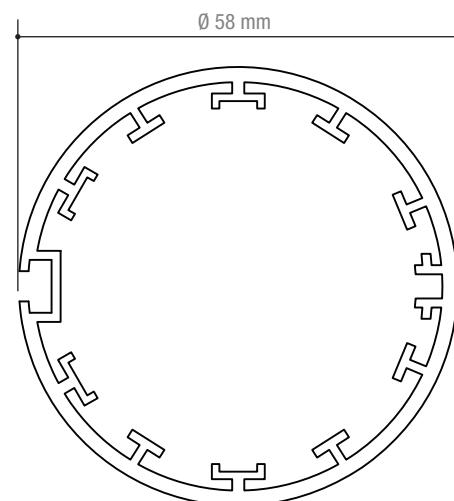
PRICE € VAT NOT INCLUDED

10,00

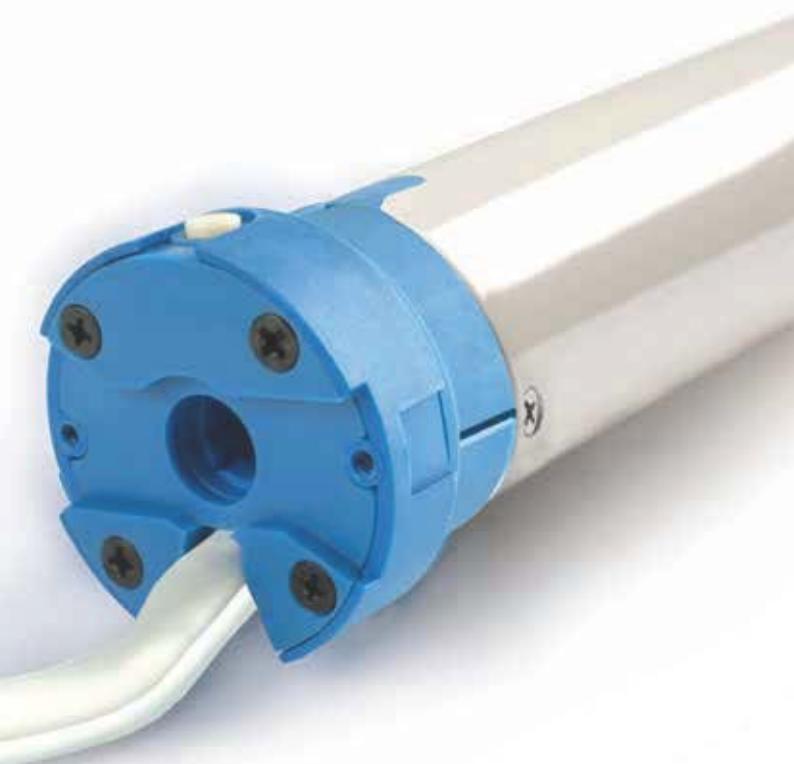
COMPLETE KIT - ROLLER-TUBE Ø 58 MM - WHITE

001YM0107	QUANTITY
Pair of white plastic braces.	1
Snap-in white plastic motor-side brace.	1
Adapter wheel for Ø 58 mm roller-tube.	1

PRICE € VAT NOT INCLUDED

12,65

230 V AC - 50 Hz
Electronic limit-switch*
433.92 MHz radio receiver
Obstruction detectors in both directions



- Special for shutters
- Universal head for applying on any anchoring plate.
- The (partial opening) mid point can be adjusted.
- The cabled button can be linked to the step-step command.
- Invert direction of travel, if obstructions is found, when descending.
- FULL AUTOMATIC SETTING up to 20

* See programming on p. 29

transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	5G 0.75
black	GROUND	
white	PROGRAMMING	



Detail of the exit shaft



Special pulley

Technical information

CODE	001Y5010A151KLS	001Y5010A261KLS	001Y5020A151KLS	001Y5030A151KLS	001Y5040A151KLS	001Y5050A121KLS
Torque (Nm)	10 **	10 **	20	30	40	50
Rpm speed (turns/min)	15	26	15	15	15	12
Hoisted weight (Kg)*	18	18	36	55	74	92
Limit switch revolutions (revolutions)	-	-	-	-	-	-
Duration of operation (min)	4	4	4	4	4	4
Current draw (A)	0.48	0.69	0.69	0.87	0.99	0.99
Power (W)	113	161	161	200	228	228
Protection rating (IP)	44	44	44	44	44	44
Length (mm) = L1	604	604	604	654	654	654
Weight (Kg)	2.21	2.36	2.29	2.6	2.7	2.85
Package dimensions (mm)	660 x 80 x 80	660 x 80 x 80	660 x 80 x 80	710 x 80 x 80	710 x 80 x 80	710 x 80 x 80
Weight of packed motor (Kg)	2.47	2.71	2.64	3.0	3.1	3.25
PRICE € VAT NOT INCLUDED	196.00	206.00	206.00	217.00	224.00	249.00
CODE**	001Y5010G151KLS	001Y5020G151KLS	001Y5030G151KLS			
PRICE € VAT NOT INCLUDED	196.00	206.00	206.00	217.00		

ENSOR SH5 - Ø 45



230 V AC - 50 Hz
Hard-wired electronic limit-switch*
Obstruction detectors in both directions



- Special for shutters
- Universal head for applying on any anchoring plate.
- Inverts the both travel directions if the obstruction detection is activated.
- FULL AUTOMATIC SETTING up to 20 Nm.

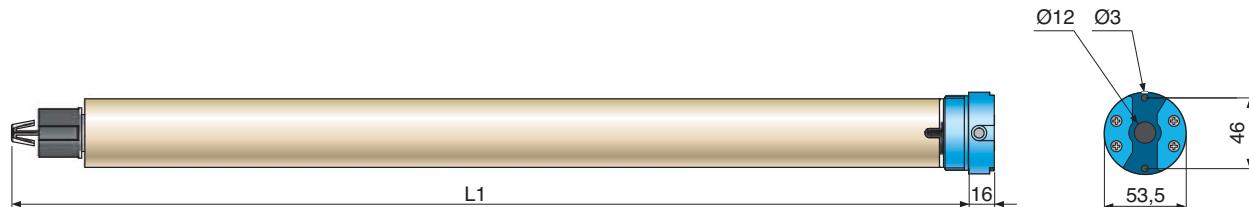
* See programming on p. 28

buttons 87

programming 59



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	5G 0.75
black	GROUND	
white	PROGRAMMING	2.5

Detail of the exit shaft



Special pulley



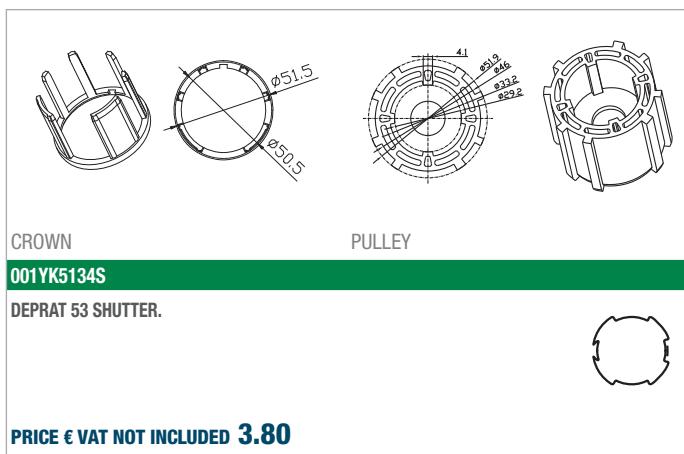
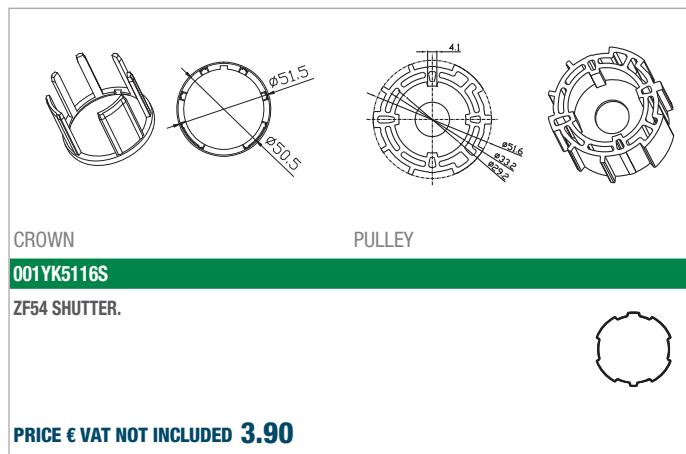
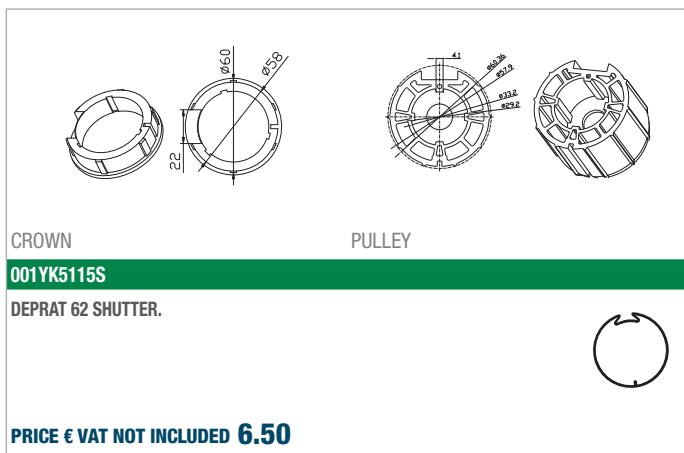
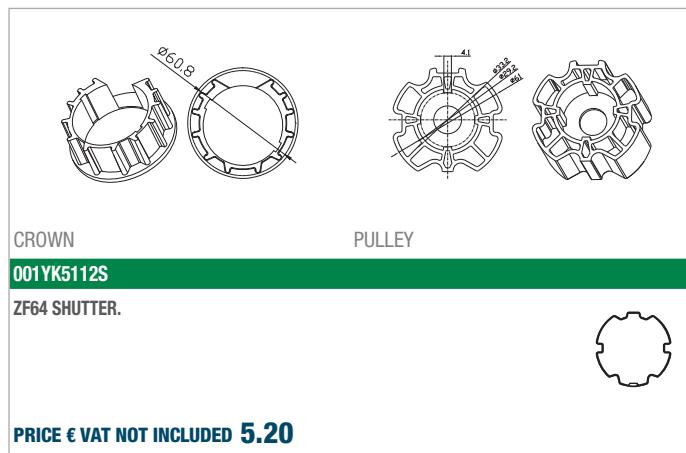
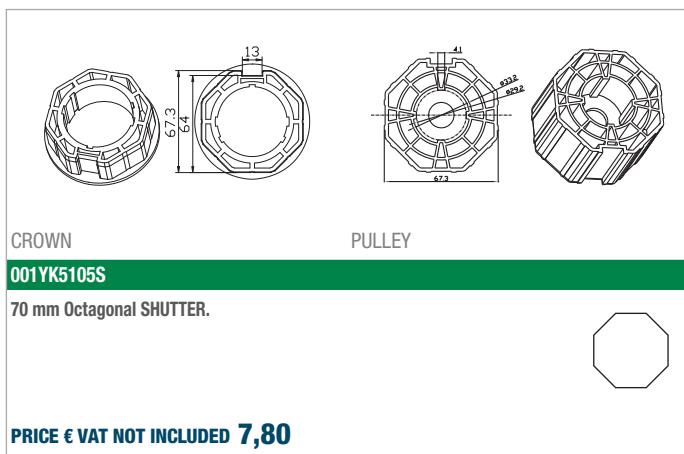
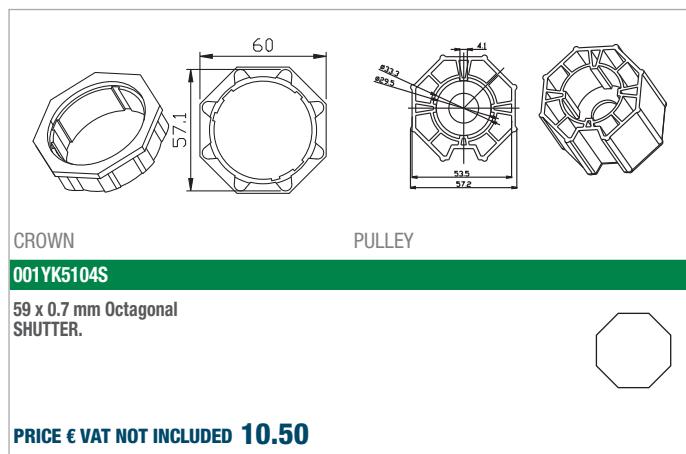
Technical information

CODE	001Y5010A151ENS	001Y5020A151ENS	001Y5030A151ENS	001Y5040A121ENS
Torque (Nm)	10	20	30	40
Rpm speed (turns/min)	15	15	15	12
Hoisted weight (Kg)*	18	36	55	74
Limit switch revolutions (revolutions)	-	-	-	-
Duration of operation (min)	4	4	4	4
Current draw (A)	0.48	0.69	0.87	0.99
Power (W)	113	161	200	228
Protection rating (IP)	44	44	44	44
Length (mm) = L1	604	604	654	654
Weight (Kg)	2.21	2.29	2.6	2.7
Package dimensions (mm)	660 x 80 x 80	660 x 80 x 80	710 x 80 x 80	710 x 80 x 80
Weight of packed motor (Kg)	2.47	2.64	3.0	3.1
PRICE € VAT NOT INCLUDED	99.00	103.00	116.00	126.00

Can be specially packaged for manufacturers. - * Calculated load for 50 mm winder tube.

ACCESSORIES FOR SPECIAL SH VERSIONS - Ø 45

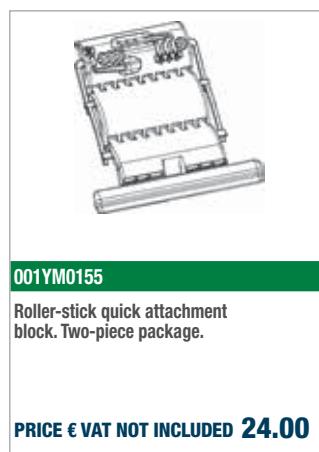
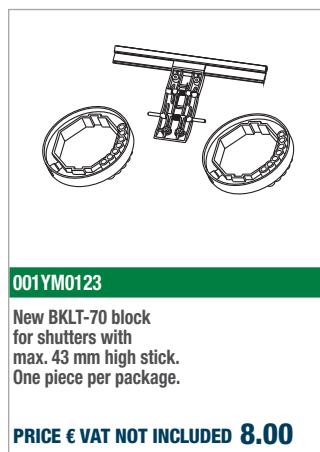
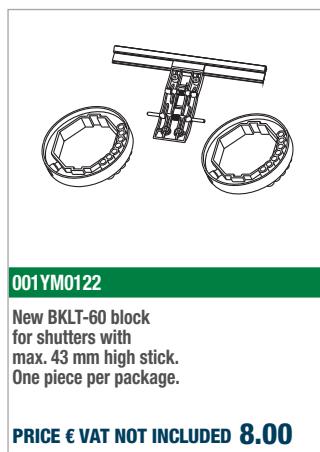
Adapters for SH Ø 45 versions



Extension for motors with quick-connection system



Burglar proof block and rigid springs for FULL AUTOMATIC SETTING function up to 20 Nm



Programmer / Power supply unit



MONDRIAN 6 - Ø 55



230 V AC - 50 Hz
Mechanical limit switch
Optional outdoor receiver



- Can be used on 70 mm round or octagonal tube.
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Universal head for applying to any anchoring plate.

buttons 87



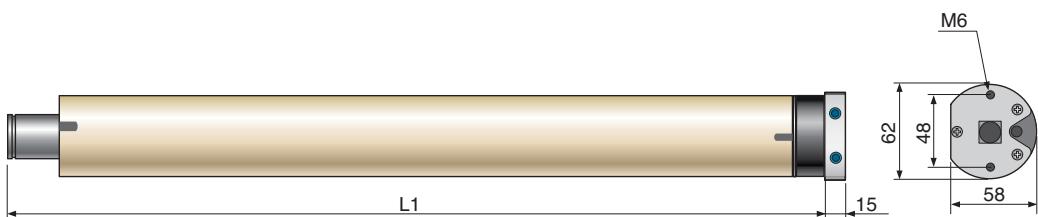
receivers 90



transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	
black	PHASE	
	4G 0.75	2.5

Technical information

CODE	001Y6080A121M0	001Y6100A101M0	001Y6120A081M0
Torque (Nm)	80	100	120
Rpm speed (turns/min)	12	10	8
Hoisted weight (Kg)*	114	143	171
Limit switch revolutions (revolutions)	20	20	20
Duration of operation (min)	4	4	4
Current draw (A)	1.71	1.68	1.64
Power (W)	396	385	375
Protection rating (IP)	44	44	44
Length (mm) = L1	570	570	590
Weight (Kg)	4.8	4.8	5.25
Package dimensions (mm)	650 x 120 x 120	650 x 120 x 120	700 x 120 x 120
Weight of packed motor (Kg)	5.2	5.2	5.65
PRICE € VAT NOT INCLUDED	185.00	199.00	215.00

Can be specially packaged for manufacturers. - * Calculated load for 70 mm winder tube.

MONDRIAN 6D - Ø 55



230 V AC - 50 Hz
Double MASTER/SLAVE motor
Mechanical limit switch
Optional outdoor receiver



- Can be used on 70 mm round or octagonal tube.
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Universal head for applying to any anchoring plate.

buttons 87



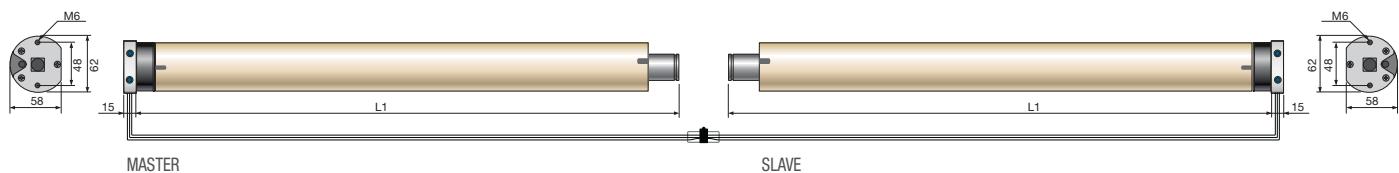
weather units 90



transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	
black	PHASE	
	4G 0.75	6

Technical information

CODE	001UY0045
Torque (Nm)	2 x 120
Rpm speed (turns/min)	8
Hoisted weight (Kg)*	300
Limit switch revolutions (revolutions)	20
Duration of operation (min)	4
Current draw (A)	3.28
Power (W)	750
Protection rating (IP)	44
Length (mm) = L1	590
Weight (Kg)	5.25
Package dimensions (mm)	700 x 120 x 120
Weight of packed motor (Kg)	5.65
PRICE € VAT NOT INCLUDED	436.00

* Calculated load for 70 mm winder tube. ** Length L1, Weight, Dimension of Boxes, Weight of packed motor these refer to single motors. So L1 total will correspond to L1 of the Master motor + L1 of the Slave motor

The total weight will be double the weight for each motor. Packages are separate, one per motor.

MONDRIAN R6 - Ø 55



230 V AC - 50 Hz
Mechanical limit switch
433.92 MHz radio receiver



- Can be used on 70 mm round or octagonal tube.
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Universal head for applying to any anchoring plate.

buttons 87



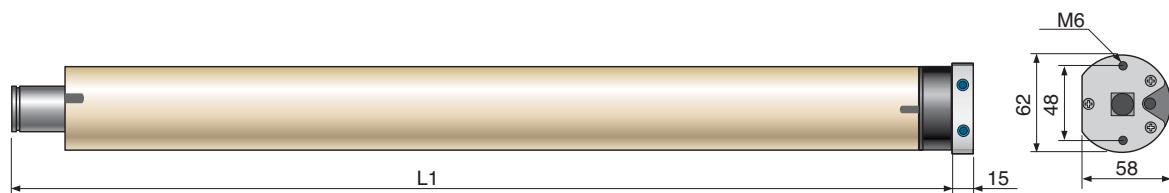
weather units 90



transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	3G 0.75
green/yellow	GROUND	2.5

Technical information

CODE	001Y6080A121M0R	001Y6100A101M0R	001Y6120A081M0R
Torque (Nm)	80	100	120
Rpm speed (turns/min)	12	10	8
Hoisted weight (Kg)*	114	143	171
Limit switch revolutions (revolutions)	23	23	23
Duration of operation (min)	4	4	4
Current draw (A)	1.65	1.68	1.68
Power (W)	385	393	393
Protection rating (IP)	44	44	44
Length (mm) = L1	710	710	730
Weight (Kg)	4.8	4.85	5.1
Package dimensions (mm)	860 x 120 x 120	860 x 120 x 120	860 x 120 x 120
Weight of packed motor (Kg)	5.2	5.2	5.3
PRICE € VAT NOT INCLUDED	255.00	269.00	285.00

MONDRIAN M6 - Ø 55



230 V AC - 50 Hz
Mechanical limit switch
Built-in emergency maneuver



- Can be used on 70 mm round or octagonal tube.
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Manually activated with emergency wand.
- Reduction ratio: 1:34.

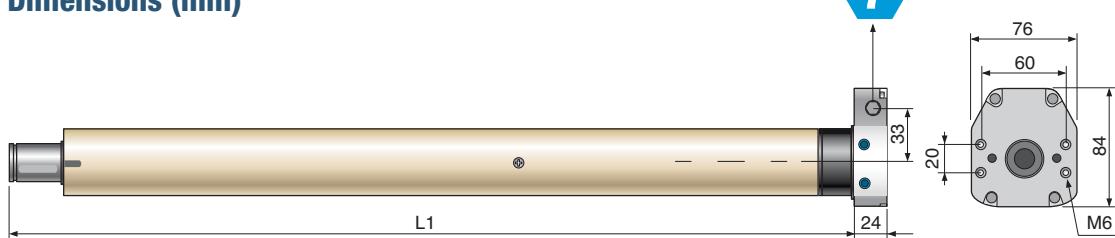
manual maneuver 70

buttons 87

weather units 90



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	
black	PHASE	
	4G 0.75	2.5

Technical information

CODE	001Y6080A121MOM	001Y6100A101MOM	001Y6120A081MOM
Torque (Nm)	80	100	120
Rpm speed (turns/min)	12	10	8
Hoisted weight (Kg)*	114	143	171
Limit switch revolutions (revolutions)	20	20	20
Duration of operation (min)	4	4	4
Current draw (A)	1.71	1.68	1.64
Power (W)	396	385	375
Protection rating (IP)	44	44	44
Length (mm) = L1	610	610	630
Weight (Kg)	5.08	5.25	5.6
Package dimensions (mm)	685 x 120 x 120	685 x 120 x 120	750 x 120 x 120
Weight of packed motor (Kg)	5.48	5.65	6.6
PRICE € VAT NOT INCLUDED	271.00	277.00	281.00

Can be specially packaged for manufacturers. - * Calculated load for 70 mm winder tube.

MONDRIAN MR6 - Ø 55



230 V AC - 50 Hz
Mechanical limit switch
Built-in emergency maneuver
433.92 MHz radio receiver



- Can be used on 70 mm round or octagonal tube.
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Manually activated with emergency wand.
- Reduction ratio: 1:34.

manual maneuver 70

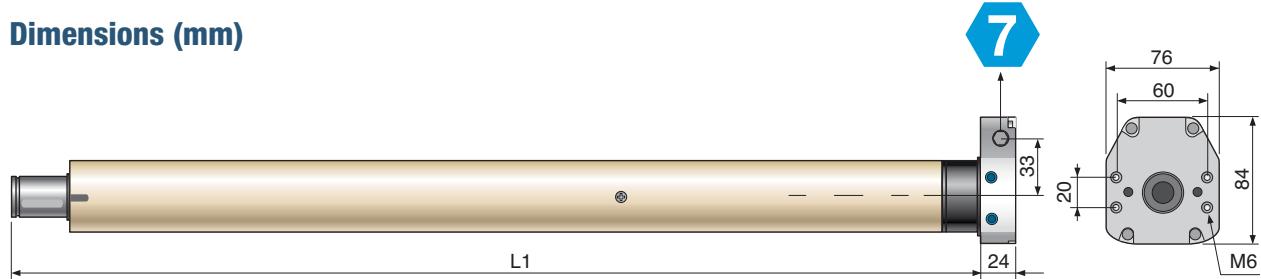
awning protection 90

weather units 90

transmitters 88



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	3G 0.75
green/yellow	GROUND	2.5

Technical information

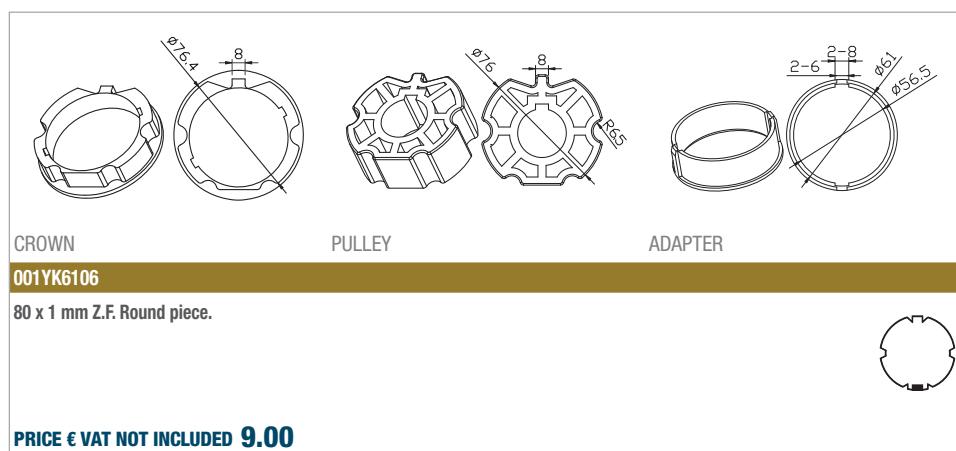
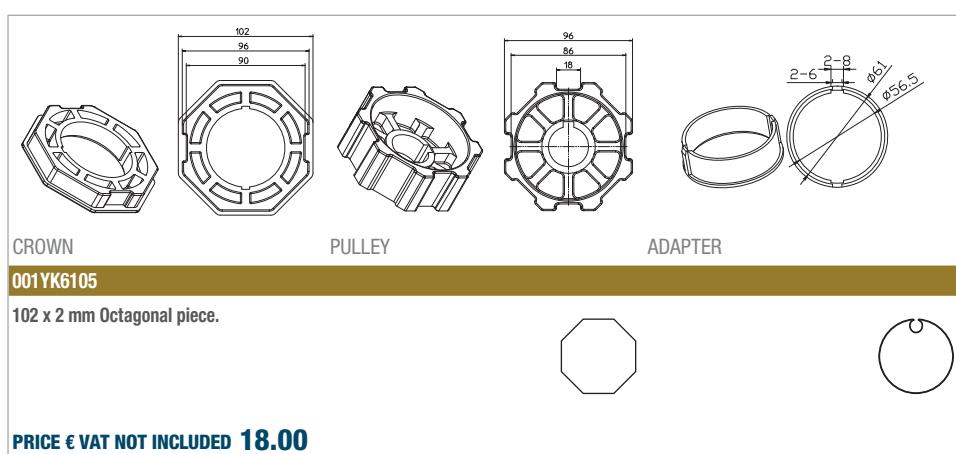
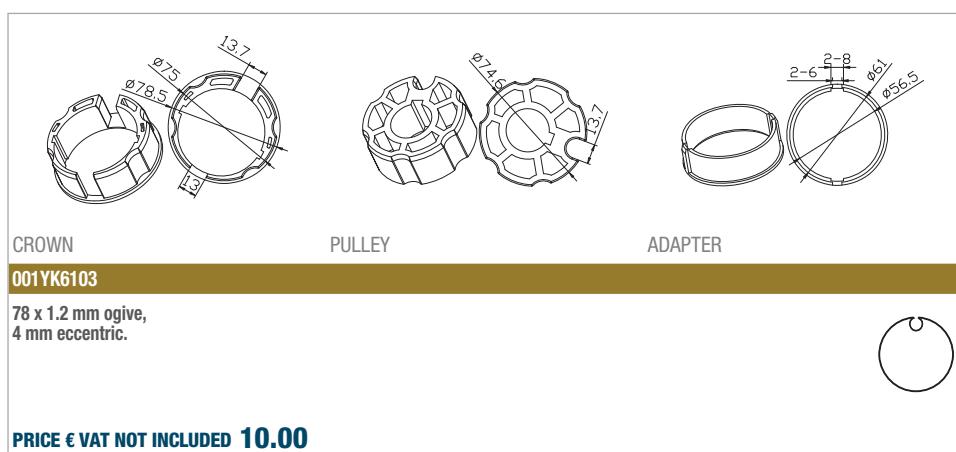
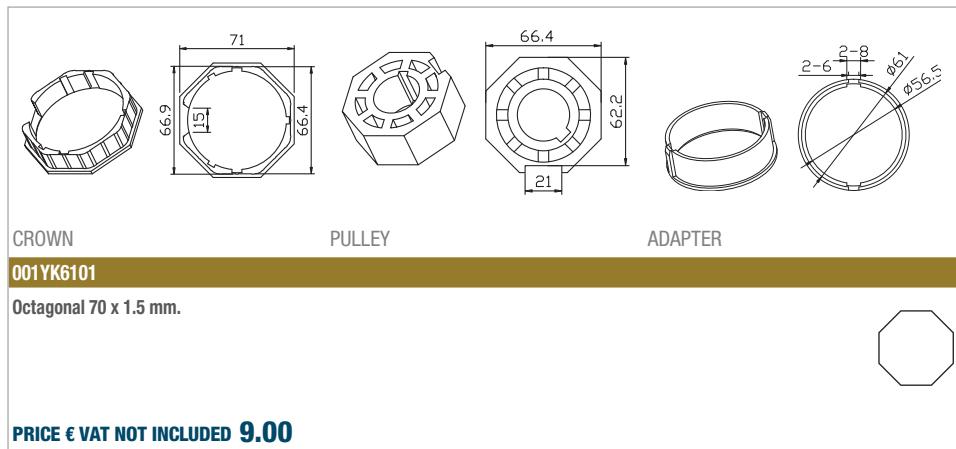
CODE	001Y6080A121MOMR	001Y6100A101MOMR	001Y6120A081MOMR
Torque (Nm)	80	100	120
Rpm speed (turns/min)	12	10	8
Hoisted weight (Kg)*	114	143	171
Limit switch revolutions (revolutions)	20	20	20
Duration of operation (min)	4	4	4
Current draw (A)	1.65	1.68	1.68
Power (W)	385	393	393
Protection rating (IP)	44	44	44
Length (mm) = L1	790	790	810
Weight (Kg)	5.2	5.2	6
Package dimensions (mm)	860 x 120 x 120	860 x 120 x 120	860 x 120 x 120
Weight of packed motor (Kg)	5.6	5.74	6.6
PRICE € VAT NOT INCLUDED	360.00	368.00	375.00



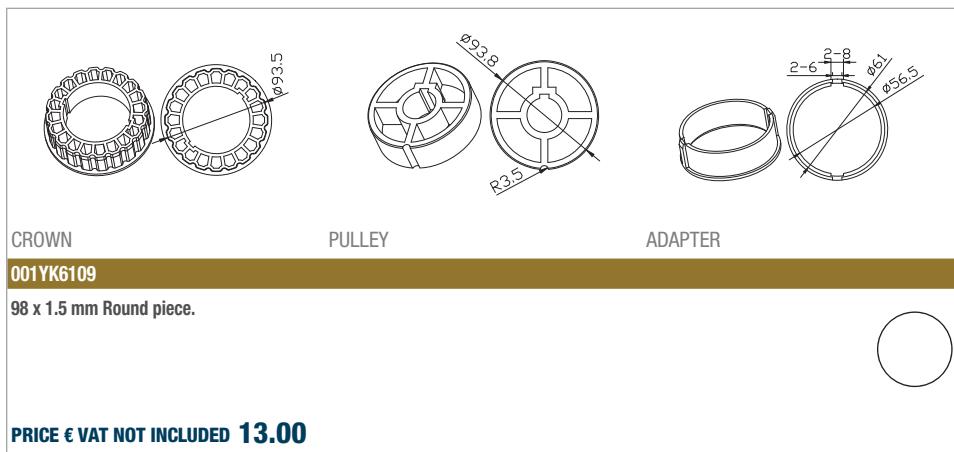
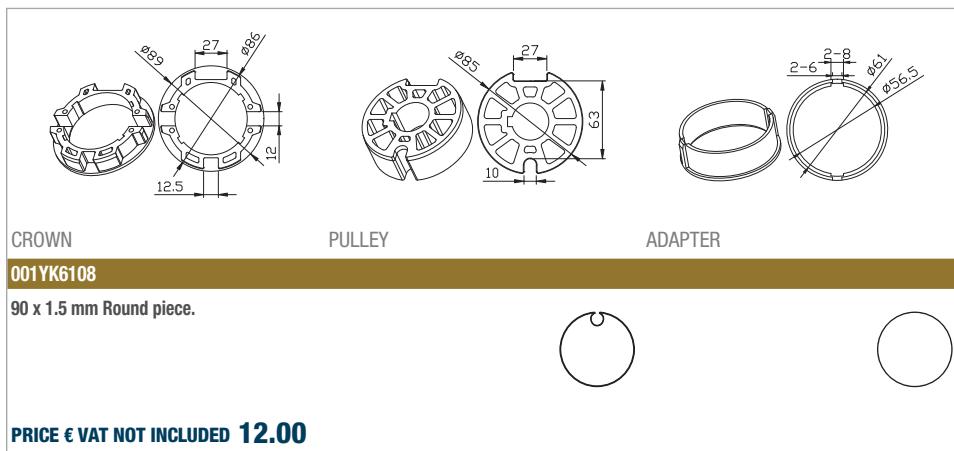
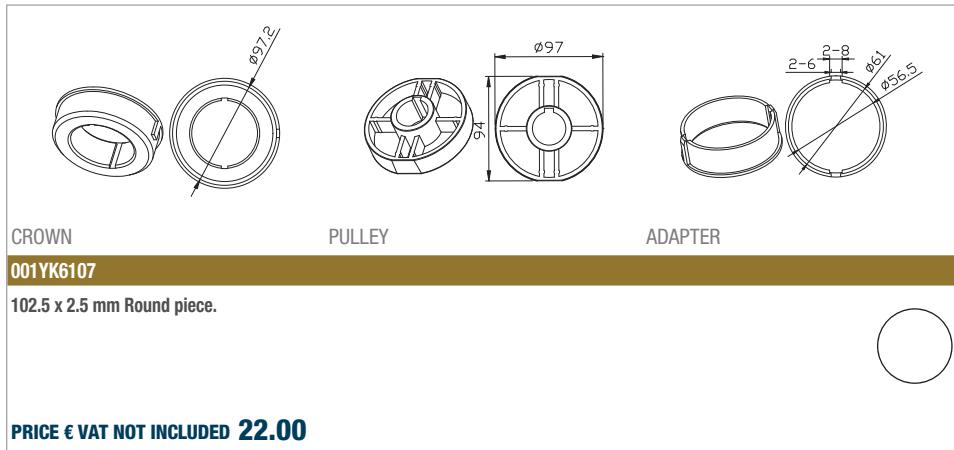
CAME

MECHANICAL ACCESSORIES - Ø 55

Adapters Ø 55 mm



Adapters Ø 55 mm



MECHANICAL ACCESSORIES - Ø 55

CROWN

PULLEY

ADAPTER

001YK6112

85 x 1 mm ogive.

PRICE € VAT NOT INCLUDED 8.90

CROWN

PULLEY

ADAPTER

001YK6113

Round piece 70 x 1.2 mm.

PRICE € VAT NOT INCLUDED 6.80

CROWN

PULLEY

ADAPTER

001YK6114

80 mm tilted ogive.

PRICE € VAT NOT INCLUDED 20.10

CROWN

PULLEY

ADAPTER

001YK6115

70 x 1 mm octagonal.

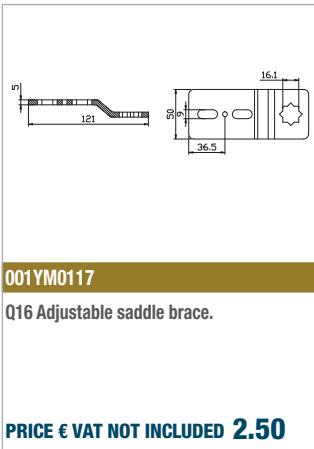
PRICE € VAT NOT INCLUDED 13.00

ADAPTER

001YK6116

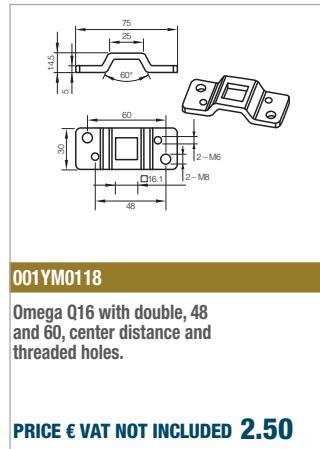
Adapter crown D.59.

PRICE € VAT NOT INCLUDED 2.00



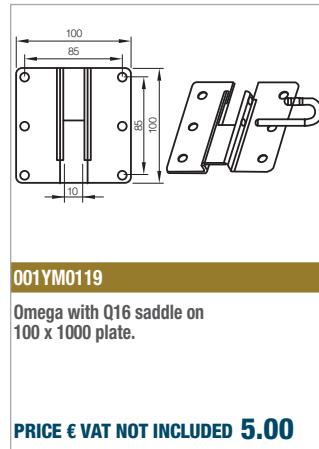
001YM0117

Q16 Adjustable saddle brace.

PRICE € VAT NOT INCLUDED **2.50**

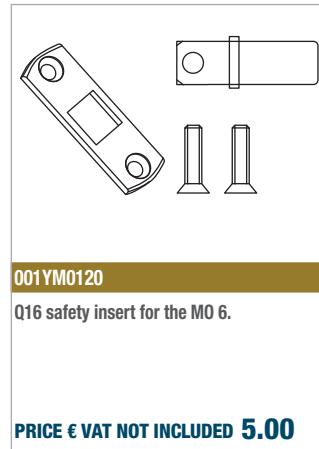
001YM0118

Omega Q16 with double, 48 and 60, center distance and threaded holes.

PRICE € VAT NOT INCLUDED **2.50**

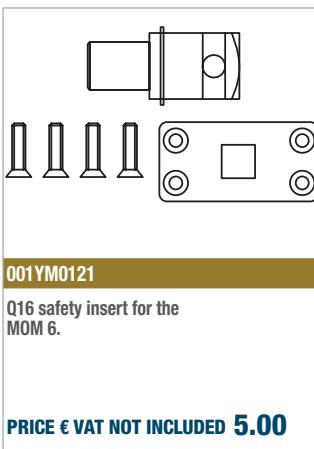
001YM0119

Omega with Q16 saddle on 100 x 1000 plate.

PRICE € VAT NOT INCLUDED **5.00**

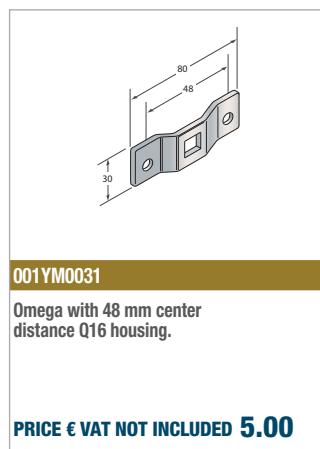
001YM0120

Q16 safety insert for the MO 6.

PRICE € VAT NOT INCLUDED **5.00**

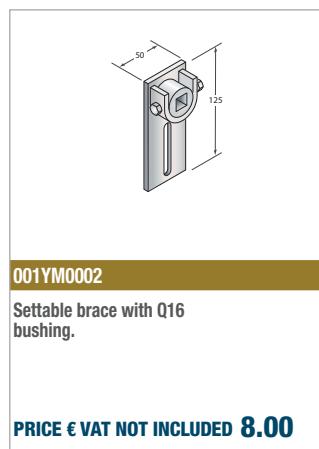
001YM0121

Q16 safety insert for the MOM 6.

PRICE € VAT NOT INCLUDED **5.00**

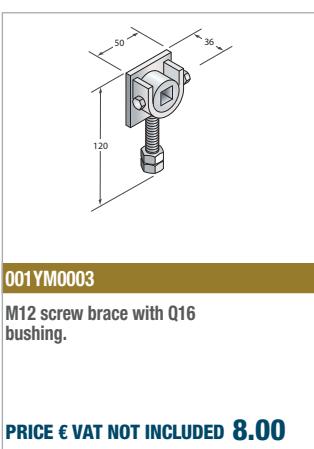
001YM0031

Omega with 48 mm center distance Q16 housing.

PRICE € VAT NOT INCLUDED **5.00**

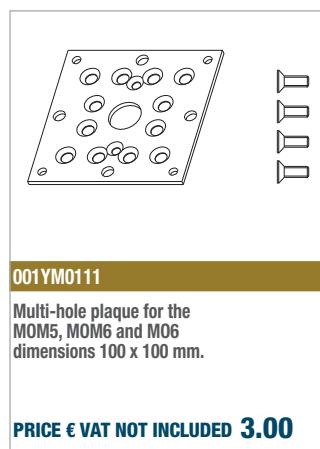
001YM0002

Settable brace with Q16 bushing.

PRICE € VAT NOT INCLUDED **8.00**

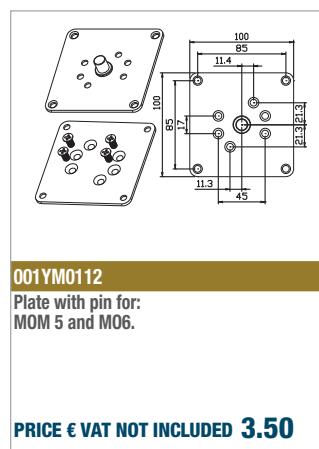
001YM0003

M12 screw brace with Q16 bushing.

PRICE € VAT NOT INCLUDED **8.00**

001YM0111

Multi-hole plaque for the MOM5, MOM6 and MO6 dimensions 100 x 100 mm.

PRICE € VAT NOT INCLUDED **3.00**

001YM0112

Plate with pin for: MOM 5 and MO6.

PRICE € VAT NOT INCLUDED **3.50**

ACCESSORIES MANUAL MANEUVER

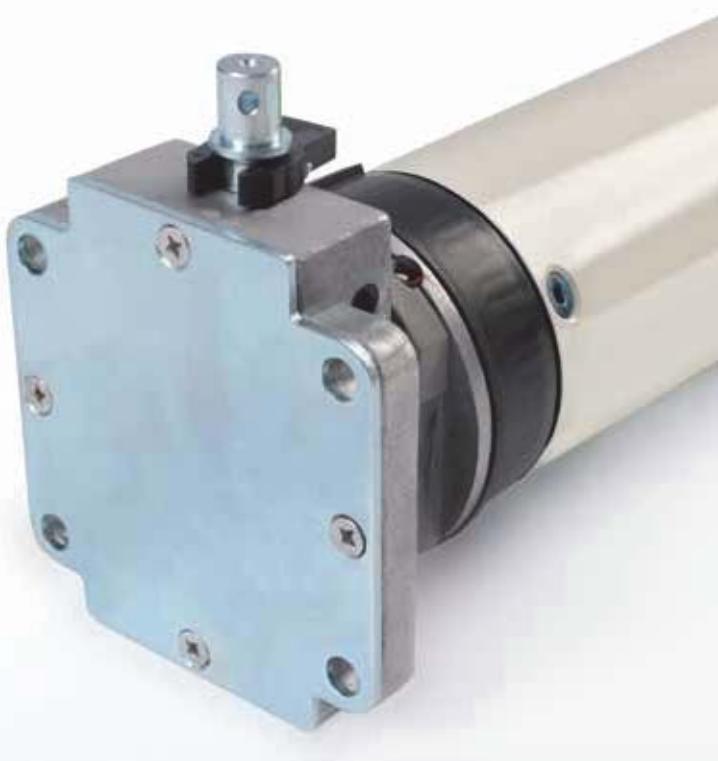
Rods joints and eyelets



EASIER WITH THE NEW QUICK CONNECTOR



MONDRIAN M9 - Ø 92



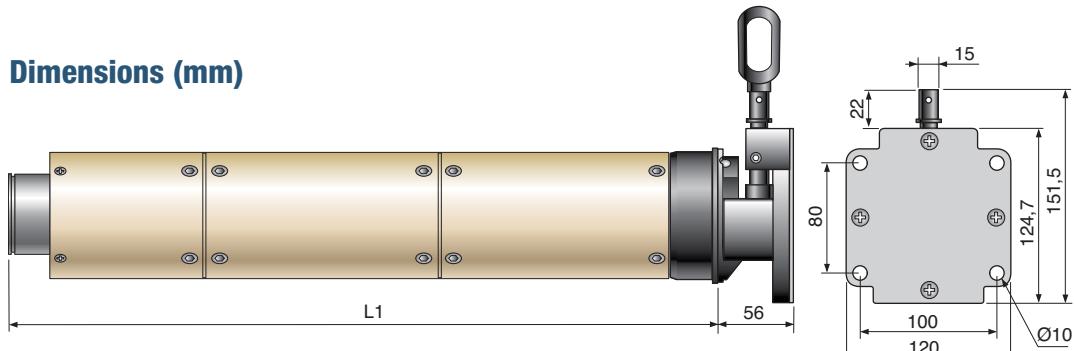
230 V AC - 50 Hz
Mechanical limit switch
Built-in emergency maneuver

- Can be used on the 102 mm round tube.
- Manual mechanical limit-switch with screw-based progressive adjusting.
- Can also be used on shutters and garage doors.
- Manually activated with emergency wand.
- Reduction ratio: 1:320 motor 300 Nm.
- Reduction ratio: 1:250 motor 230 Nm.
- Emergency maneuver already included in the package.

buttons 87



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	
black	PHASE	

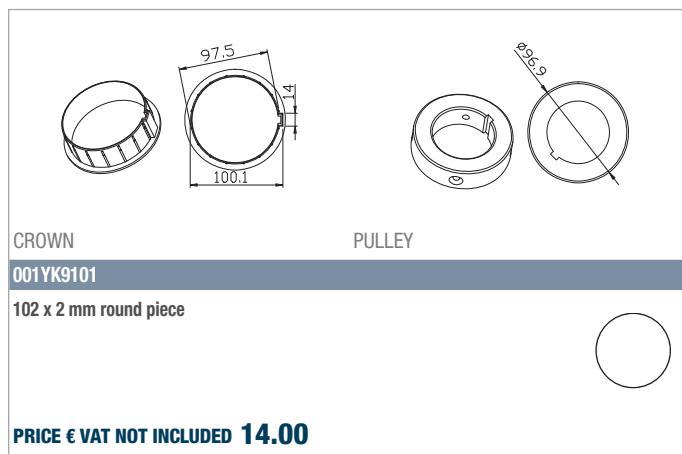
4G 0.75 2.5

Technical information

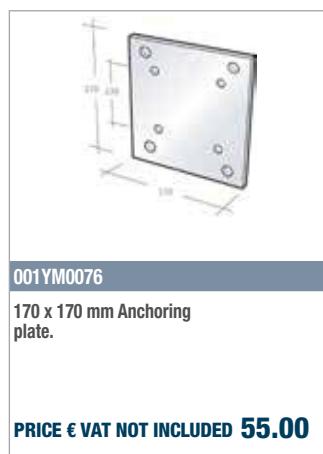
CODE	001Y9230A121MOM	001Y9300A091MOM
Torque (Nm)	230	300
Rpm speed (turns/min)	12	9
Hoisted weight (Kg)*	290	370
Limit switch revolutions (revolutions)	22	22
Duration of operation (min)	4	4
Current draw (A)	2.75	2.96
Power (W)	602	661
Protection rating (IP)	44	44
Length (mm) = L1	534	554
Weight (Kg)	13.26	14.26
Package dimensions (mm)	650 x 165 x 235	650 x 165 x 235
Weight of packed motor (Kg)	13.96	14.98
PRICE € VAT NOT INCLUDED	405.00	490.00

MECHANICAL ACCESSORIES - Ø 92

Ø 45 mm Adapters



Supports



Emergency maneuver



ACTUATORS FOR: BLINDS, SHADES, WINDING SHUTTERS





CAME



230 V AC - 50 Hz
Protection rating IP65
Stainless steel stem
Motor protection



- Linear actuator - ideal for powering wasistas-type windows, alternating shutters, blinds, and ventilation systems.
- Amperometric protection against current peaks and surges.
- Parallel control of motors.
- Connection cable included: 1.5 m.

Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	● - 24 V DC	2G 0.75
brown	● + 24 V DC	1.5

Support braces included



Technical information

CODE	001Y5DDE10A4	001Y5DDE15B4	001Y5DDE15C4	001Y5DDE05C9
Torque (Nm)	1000	1500	1500	500
Speed limit (mm/s)	4	4	4	9
Linear travel (mm)	300	400	1000	1000
Current draw (A)	0.89	1.11	1.11	0.7
Power (W)	25.6	27.0	28.0	28.0
Operating temperature (°C)	60	60	60	60
Protection rating (IP)	65	65	65	65
Length (mm) = L1	677	777	1377	1377
Weight (Kg)	2.3	2.6	4.5	4.5
Package dimensions (mm)	100 x 100 x 680	100 x 100 x 780	100 x 100 x 1380	100 x 100 x 1380
Weight of packed motor (Kg)	2.7	3	5	5
PRICE € VAT NOT INCLUDED	585.00	605.00	675.00	695.00



CAME



24 V DC
Protection rating IP44
Encoder controlled movement
Adjusting speed

- Plain-view operator for blinds and swing-shutters.
- Programmable options: maintained action, adjustable maneuvering and slow-down speed; sensitivity adjusting, slowed down start and closing and immediate closing in case of power outages, plus inverted direction of travel in case of obstruction detection.
- Works during blackouts thanks to the emergency batteries.
- Emergency release.
- Irreversible motor prevents forced entry from outside.
- Voilà is safe and runs on low-voltage (24 V) and, during power outages, the shutters can be manually controlled, by releasing and re-blocking them in any position.

transmitters 88



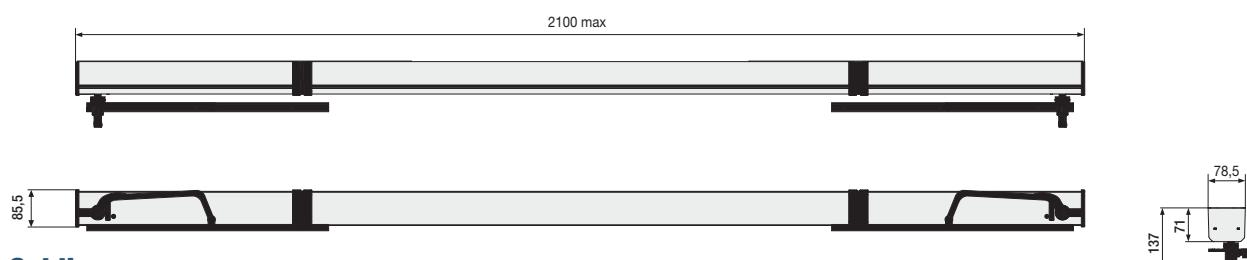
weather units 90



buttons 87



Dimensions (mm)



Cabling

COLOR	SECTION (mm) ²	LENGTH (m)
blue	NEUTRAL	
brown	PHASE	
green/yellow	GROUND	
black	PHASE	
	4G 0.75	2.5

Technical information

CODE	001VLR01DX	001VLR01SX	001VLR02
Torque (Nm)	33	33	2 x 33
Protection rating (IP)	44	44	44
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC
Motor power supply (V)	24 DC	24 DC	24 DC
Current draw (A)	3 max	3 max	6 max
Power (W)	75	75	150
Opening time at 180° (s)	Adjustable	Adjustable	Adjustable
Duty cycle	INTENSIVE SERVICE	INTENSIVE SERVICE	INTENSIVE SERVICE
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55 x 2
PRICE € VAT NOT INCLUDED	425.00	425.00	703.00

ACCESSORIES

CODE	OBLIGATORY ACCESSORIES	PRICE € VAT NOT INCLUDED
001VLR07DX	Right-hand curved transmission arm for single-panel leaf.	59.00
001VLR07SX	Left-hand curved transmission arm for single-panel leaf.	59.00
001VLR08DX	Curved adjustable right-hand transmission arm for jointed two-paneled shouldered leaves of up to 170 mm or for one-paneled leaves with hinges not flush with the shoulder.	75.00
001VLR08SX	Curved adjustable left-hand transmission arm for jointed two-paneled shouldered leaves of up to 170 mm or for one-paneled leaves with hinges not flush with the shoulder.	75.00
001VLR09DX	Curved adjustable right-hand transmission arm for jointed two-paneled shouldered leaves of from 170 mm to 240 mm.	75.00
001VLR09SX	Curved adjustable left-hand transmission arm for jointed two-paneled shouldered leaves of from 170 mm to 240 mm.	75.00
001VLR10DX	Right-hand curved transmission arm for single-panel leaf.	52.00
001VLR10SX	Left-hand curved transmission arm for single-panel leaf.	52.00
001VLR04	Covering transom for passage breadths of up to 2,10 m.	70.00
001VLR05	Card for operation during emergency black outs and for recharging the batteries complete with casing. No. Two 12 V – 0.8 Ah batteries.	204.00

COMPLETE SYSTEMS

CODE	COMPLETE SYSTEMS	PRICE € VAT NOT INCLUDED
001UV01	Complete system for two single panel swing-leaves composed of: no. 1 irreversible right-hand operator complete with electronic board, encoder-based motion control and obstacle detection device; no. 1 irreversible left-hand gearmotor; no. 1 connecting cable between the two gearmotors; no. 1 VLR07DX curved right-hand transmission arm; no. 1 VLR07SX curved left-hand transmission arm; no. 1 AF43S radio-frequency board at 433.92 MHz; no. 1 Vivaldi TX1 transmitter.	881.00
001UV02	Complete system for two two-paneled jointed leaves composed of: no. 1 irreversible right-hand operator complete with electronic board, encoder-based motion control and obstacle detection device; no. 1 irreversible left-hand gearmotor; no. 1 connecting cable between the two gearmotors; no. 1 VLR08DX curved right-hand adjustable transmission arm; no. 1 VLR08SX curved left-hand adjustable transmission arm; no. 1 AF43S radio-frequency board at 433.92 MHz; no. 1 Vivaldi TX1 transmitter.	913.00
001UV03	Complete system for one right-hand single panel swing-leaf composed of: no. 1 irreversible right-hand operator complete with electronic board, encoder-based motion control and obstacle detection device; no. 1 VLR07DX curved right-hand transmission arm; no. 1 AF43S radio-frequency board at 433.92 MHz; no. 1 Vivaldi TX1 transmitter.	544.00
001UV04	Complete system for one left-hand single panel swing-leaf composed of: no. 1 irreversible left-hand operator complete with electronic board, encoder-based motion control and obstacle detection device; no. 1 VLR07SX curved left-hand transmission arm; no. 1 AF43S radio-frequency board at 433.92 MHz; no. 1 Vivaldi TX1 transmitter.	544.00
001UV05	Complete system for one right-hand jointed two-paneled swing-leaf composed of: no. 1 irreversible right-hand operator complete with electronic board, encoder-based motion control and obstacle detection device; no. 1 VLR08DX curved right-hand adjustable transmission arm; no. 1 AF43S radio-frequency board at 433.92 MHz; no. 1 Vivaldi TX1 transmitter.	560.00
001UV06	Complete system for one left-hand jointed two-paneled swing-leaf composed of: no. 1 irreversible left-hand operator complete with electronic board, encoder-based motion control and obstacle detection device; no. 1 VLR08SX curved left-hand adjustable transmission arm; no. 1 AF43S radio-frequency board at 433.92 MHz; no. 1 Vivaldi TX1 transmitter.	560.00

NOTE:

The transom color can be customized.

For greater details or to ask for non-standard colors, please contact your sales contact person.

H4 - MOTORS FOR ROLLING SHUTTERS

The ideal solution for rolling shutters in private homes and apartment blocks

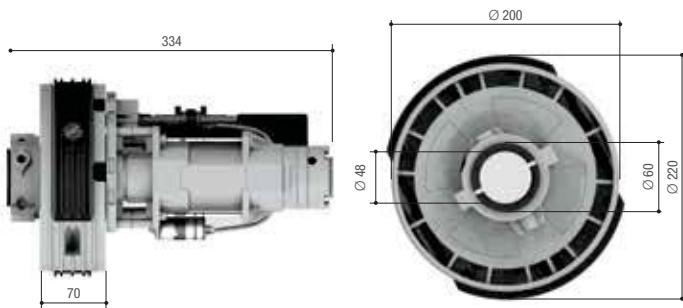


- Operator suited for various applicative settings, from private homes to business premises.
- Adaptable to winder tubes with diameters of either 48 mm or 60 mm and either 200 mm or 220 mm springs.
- Quick and easy travel adjusting.
- Standard series adapters for all models.

transmitters 88



Dimensions (mm)



Technical information

CODE	H40230120	H41230120	H40230180	H41230180
Maximum hoisting strength (kg)	120	120	180	180
Protection rating (IP)	40	40	40	40
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC
Power supply to motor (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC
Current draw (A)	1.8	1.8	2.6	2.6
Power (W)	410	410	600	600
Reduction ration (i)	1/150	1/150	1/150	1/150
Duty cycle (%)	30	30	30	30
Crown turns (rpm)	10	10	10	10
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's thermal monitoring (°C)	160	160	160	160
PRICE € VAT NOT INCLUDED	287.00	257.00	320.00	287.00

ACCESSORIES

CODE	ACCESSORIES	PRICE € VAT NOT INCLUDED
001YE0143	Receiver unit for controlling 230V 50 Hz powered single-phase motors with built-in limit switch.	195.00
001H001	Electro lock for reversible gearmotors H41230120 and H41230180 complete with L = 5 m pull-cord and release knob.	55.00
001H3001	Safety casing complete with release knob and control button for pull-cord release.	130.00



ACCESSORIES FOR ALL SERIES





CAME

ACCESSORIES FOR ALL SERIES

Compensation rings and endcaps



001YM0028

60 mm Octagonal ring.

PRICE € VAT NOT INCLUDED **2.00**



001YM0029

70 mm Octagonal ring.

PRICE € VAT NOT INCLUDED **3.00**



001YM0019

60 mm Octagonal telescopic endcap.

PRICE € VAT NOT INCLUDED **8.00**



001YM0020

70 mm Octagonal telescopic endcap.

PRICE € VAT NOT INCLUDED **8.00**



001YM0032

Endcap with Ø 12 60 mm octagonal pin.

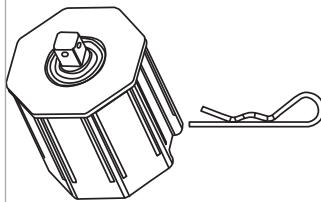
PRICE € VAT NOT INCLUDED **4.00**



001YM0030

Endcap with Ø 12 70 mm octagonal pin.

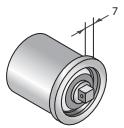
PRICE € VAT NOT INCLUDED **4.00**



001YM0154

Octagonal cap 60 with idle Q10 pin.

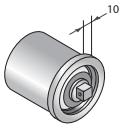
PRICE € VAT NOT INCLUDED **9.50**



001YM0048

Cap with Q7 pin and 40 x 1.5 mm tube.

PRICE € VAT NOT INCLUDED **3.00**



001YM0046

Endcap with idle Q10 pin and 50 x 1.5 mm tube.

PRICE € VAT NOT INCLUDED **12.00**



001YM0047

Brace and endcaps with 45° reset and 50 x 1.5 mm tube.

PRICE € VAT NOT INCLUDED **28.00**

Bearings and braces



001YM0066

Ø 28 mm metal ball bearing with Ø 12 mm hole.

PRICE € VAT NOT INCLUDED 1.00



001YM0069

Ø 42 mm nylon ball bearing with Ø 12 mm hole.

PRICE € VAT NOT INCLUDED 2.00



001YM0067

Ø 42 mm metal ball bearing with Ø 12 mm hole.
To use with the 001YM0074 brace.

PRICE € VAT NOT INCLUDED 2.00



001YM0072

Ø 42 mm metal ball bearing for 30 mm insert.

PRICE € VAT NOT INCLUDED 1.50



001YM0074

ST Settable bearing housing.

PRICE € VAT NOT INCLUDED 13.50



001YM0073

Ø 42 mm metal ball bearing with Ø 12 mm hole - ST.
To use with the 001YM0070 brace.

PRICE € VAT NOT INCLUDED 3.00



001YM0068

Galvanized brace for Ø 28 mm mini bearing.

PRICE € VAT NOT INCLUDED 1.00



001YM0070

Galvanized U-shaped brace for Ø 42 mm bearing.

PRICE € VAT NOT INCLUDED 1.00



001YM0071

Wooden 30 mm snap-in bearing brace.

PRICE € VAT NOT INCLUDED 1.50

ACCESSORIES FOR ALL SERIES

Centralization modules



001YE0005

Centralization module for two mechanical motors.

PRICE € VAT NOT INCLUDED 28.00



001YE0006

Centralization module for four mechanical motors.

PRICE € VAT NOT INCLUDED 44.00



001YE0124

Programmer / Power-supply unit max. 3 A.

PRICE € VAT NOT INCLUDED 39.00

Programmer / Power supply unit



001YE0124

Programmer / Power-supply unit max. 3 A.

PRICE € VAT NOT INCLUDED 39.00



001YE0162

Switching power-supply-unit 6.5 A - 24 V DC.

PRICE € VAT NOT INCLUDED 113.00

Buttons and switches



001YE0032

Self-returning to central zero diverter button - white.

PRICE € VAT NOT INCLUDED **18.00**

001YE0034

Self-locking diverter and central zero - white.

PRICE € VAT NOT INCLUDED **17.50**

001YE0035

Self-returning to zero diverter button - gray.

PRICE € VAT NOT INCLUDED **18.50**

001YE0037

Self-locking diverter and central zero - gray.

PRICE € VAT NOT INCLUDED **17.50**

001YE0038

Single WHITE hole cap.

PRICE € VAT NOT INCLUDED **1.20**

001YE0039

Single WHITE hole cap.

PRICE € VAT NOT INCLUDED **1.20**

001YE0043

Self-supporting wall-hung casing for single diverter WHITE.

PRICE € VAT NOT INCLUDED **4.50**

Plaques



001YE0040

Glossy WHITE three-module plaque.

PRICE € VAT NOT INCLUDED **3.00**

001YE0041

Matt GRAY three-module plaque.

PRICE € VAT NOT INCLUDED **3.00**

001YE0042

Three-module cladding.

PRICE € VAT NOT INCLUDED **1.20**

EXAMPLE PLAQUE

No. 1 - 001YE0041
No. 1 - 001YE0042
No. 1 - 001YE0037
No. 2 - 001YE0039

PRICE € VAT NOT INCLUDED **24.10**

ACCESSORIES FOR ALL SERIES

ELVIS collection transmitters



ELVIS 1

001YE0144

Portable 433.92 MHz
transmitter
one channel color white.

PRICE € VAT NOT INCLUDED **68.00**



ELVIS 15

001YE0145

Portable 433.92 MHz
transmitter
fifteen channels color white.

PRICE € VAT NOT INCLUDED **77.00**



ELVIS 1

001YE0148

Portable 433.92 MHz
transmitter
one channel color black.

PRICE € VAT NOT INCLUDED **68.00**



ELVIS 15

001YE0149

Portable 433.92 MHz
transmitter
fifteen channels color black.

PRICE € VAT NOT INCLUDED **77.00**

HENDRIX collection transmitters



HENDRIX 1

001YE0146

Wall-mounted 433.92 MHz
transmitter
one channel color white.

PRICE € VAT NOT INCLUDED **73.00**



HENDRIX 15

001YE0147

Wall-mounted 433.92 MHz
transmitter
fifteen channels color white.

PRICE € VAT NOT INCLUDED **91.00**



HENDRIX 1

001YE0150

Wall-mounted 433.92 MHz
transmitter
one channel color black.

PRICE € VAT NOT INCLUDED **73.00**



HENDRIX 15

001YE0151

Wall-mounted 433.92 MHz
transmitter
fifteen channels color black.

PRICE € VAT NOT INCLUDED **91.00**

WAGNER collection Transmitters



WAGNER 1
001YE0101
One-channel 433.92 MHz transmitter with wall brace.

PRICE € VAT NOT INCLUDED 48.00



WAGNER 5
001YE0102
Five-channel 433.92 MHz transmitter with wall brace.

PRICE € VAT NOT INCLUDED 62.00



BRACE
001YE0103
White wall brace for WAGNER.

PRICE € VAT NOT INCLUDED 2.00



VIVALDI collection transmitters



VIVALDI MONOTOUCH
001YE0140
Single-key 433.92 MHz transmitter with wall brace.

PRICE € VAT NOT INCLUDED 48.00



VIVALDI TX1
001YE0104
433.92 MHz one-channel transmitter with rest wall mounting support.

PRICE € VAT NOT INCLUDED 48.00



VIVALDI TX2
001YE0105
433.92 MHz two-channel transmitter with rest wall mounting support.

PRICE € VAT NOT INCLUDED 62.00



VIVALDI TX15
001YE0106
433.92 MHz 15-channel transmitter with rest wall mounting support.

PRICE € VAT NOT INCLUDED 84.00




VIVALDI TIMER TX1
001YE0115
Transmitter/timer 433.92 MHz one channel with wall mounting brace.

PRICE € VAT NOT INCLUDED 69.00



VIVALDI TIMER TX5
001YE0116
Transmitter/timer 433.92 MHz five channels with wall mounting brace.

PRICE € VAT NOT INCLUDED 89.00



VIVALDI TIMER WIRED 1
001YE0114
One-channel cabled timer with recessed brace.

PRICE € VAT NOT INCLUDED 59.00

ACCESSORIES FOR ALL SERIES

Sensors and weather units



BACH KLT

001YE0113

Awning protection. Vibration-detecting safety device.

PRICE € VAT NOT INCLUDED **99.00**



CHOPIN KLT

001YE0120

Weather unit with receiver.

PRICE € VAT NOT INCLUDED **304.00**



CHOPIN

001YE0023

Cabled weather unit. Connection with Strauss cabled sensors.

PRICE € VAT NOT INCLUDED **187.00**



STRAUSS W

001YE0007

Wind sensor.

PRICE € VAT NOT INCLUDED **75.00**



STRAUSS SW

001YE0008

Sun-wind sensor.

PRICE € VAT NOT INCLUDED **102.00**



STRAUSS KLT SW

001YE0108

Radio-based sun-wind weather unit.

PRICE € VAT NOT INCLUDED **145.00**

Receivers



RKLT-50

001YE0117

External receiver for mechanical motors of up to 50 Nm, 500 W.

PRICE € VAT NOT INCLUDED **99.00**



RKLT-120

001YE0118

External receiver for mechanical motors of up to 120 Nm, 800 W.

PRICE € VAT NOT INCLUDED **119.00**



RKLT-W50

001YE0119

Recess-mounted receiver of up to 50 Nm, 500 W.

PRICE € VAT NOT INCLUDED **94.00**



RKLT-WL

001YE0136

RKLT-WL recess-mounted lighting-control receiver

PRICE € VAT NOT INCLUDED **94.00**

Control panel



RKLT

001YE0163

External receiver with external antenna, max 800 W.

PRICE € VAT NOT INCLUDED **99.00**



MARTINI

001YE0143

Receiver unit for controlling 230V 50 Hz powered single-phase motors with built-in limit switch.

PRICE € VAT NOT INCLUDED **195.00**



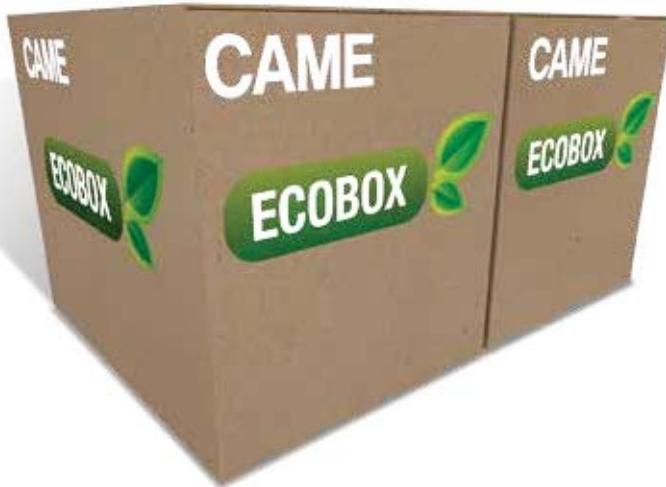
CAME

CAME

COMPLETE SETS



ECOBOX
CAME's eco-friendly solution.
Crate of cartons containing 50 tube motors.



- Easy delivery for large orders.
- Lower production costs due to no single cardboard and plastic packages.
- Waste disposal cost reduction.
- Pollution reduction.

001YB01 - ECOBOX 1

50 PIECES
001Y5010A151MO

PRICE € VAT NOT INCLUDED
4,400.00

001YB02 - ECOBOX 2

50 PIECES
001Y5020A151MO

PRICE € VAT NOT INCLUDED
4,600.00

001YB03 - ECOBOX 3

50 PIECES
001Y5010A151KLS

PRICE € VAT NOT INCLUDED
9,800.00

001YB04 - ECOBOX 4

50 PIECES
001Y5020A151KLS

PRICE € VAT NOT INCLUDED
10,300.00

001YB05 - ECOBOX 5

50 PIECES
001Y5010A151ENS

PRICE € VAT NOT INCLUDED
4,950.00

001YB06 - ECOBOX 6

50 PIECES
001Y5020A151ENS

PRICE € VAT NOT INCLUDED
5,150.00

001YB07 - ECOBOX 7

50 PIECES
001Y5030A151ENS

PRICE € VAT NOT INCLUDED
5,800.00

001YB08 - ECOBOX 8

50 PIECES
001Y5010A151MOR

PRICE € VAT NOT INCLUDED
8,450.00

001YB09 - ECOBOX 9

50 PIECES
001Y5020A151MOR

PRICE € VAT NOT INCLUDED
8,850.00



CAME

APPLICATION EXAMPLES

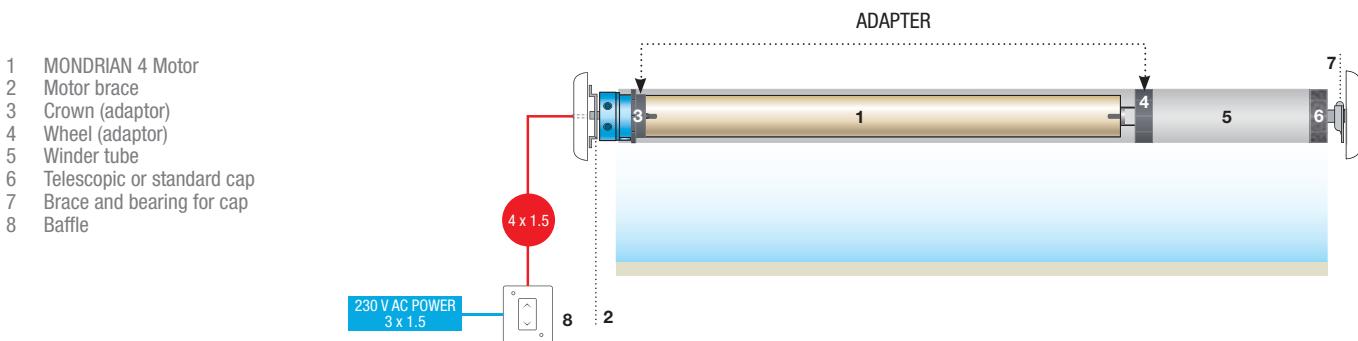




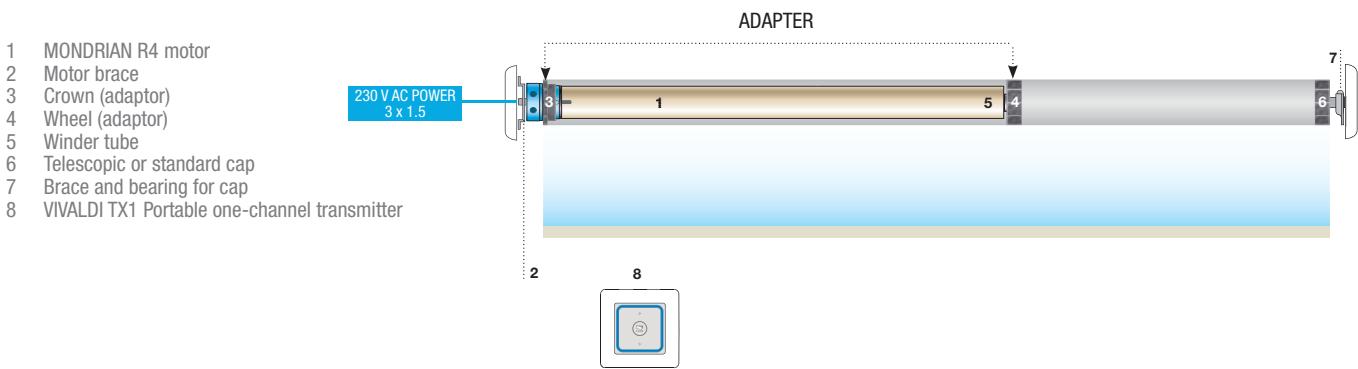
CAME

MOTOR WITH MECHANICAL LIMIT SWITCH

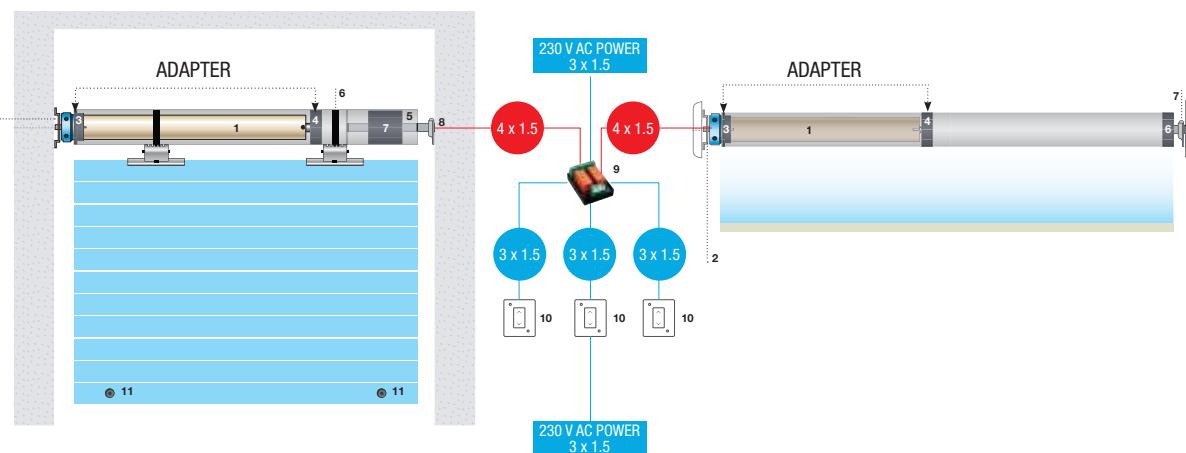
MONDRIAN 4 MOTOR WITH MECHANICAL LIMIT-SWITCH



MONDRIAN 4 MOTOR WITH MECHANICAL LIMIT-SWITCH AND BUILT-IN RECEIVER



MONDRIAN 5 MOTOR WITH MECHANICAL LIMIT-SWITCH

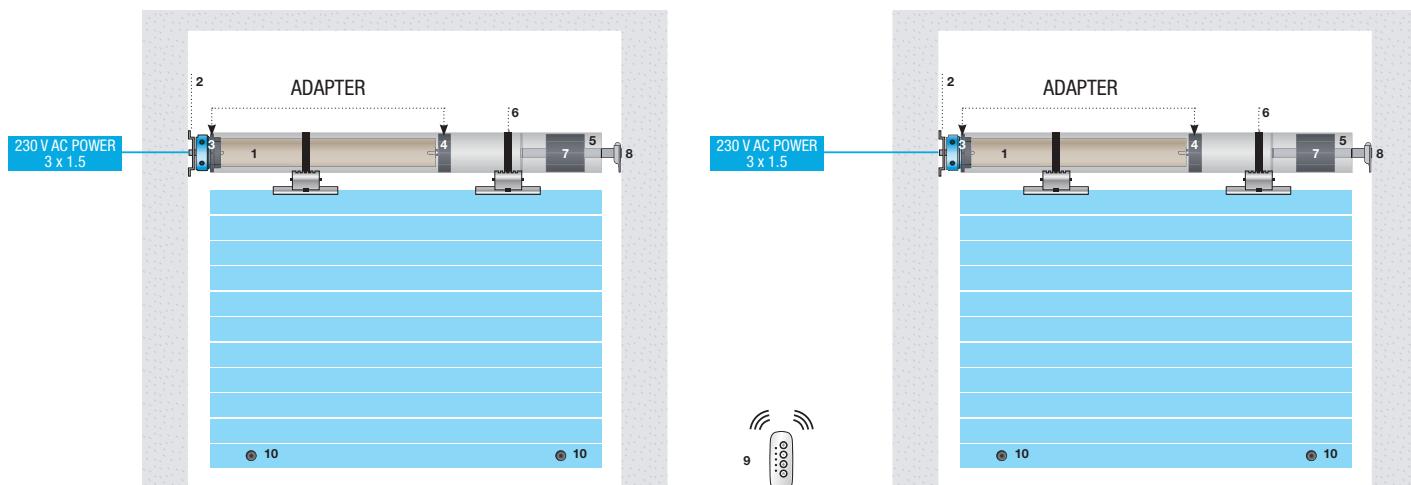


- 1 MONDRIAN 5 motor
- 2 Motor brace
- 3 Crown (adaptor)
- 4 Wheel (adaptor)
- 5 Winder tube
- 6 Ring (optional)
- 7 Telescopic or standard cap
- 8 Brace and bearing for cap
- 9 001YE0005 Centralization module for mechanical motors
- 10 Baffle
- 11 End caps

WARNING

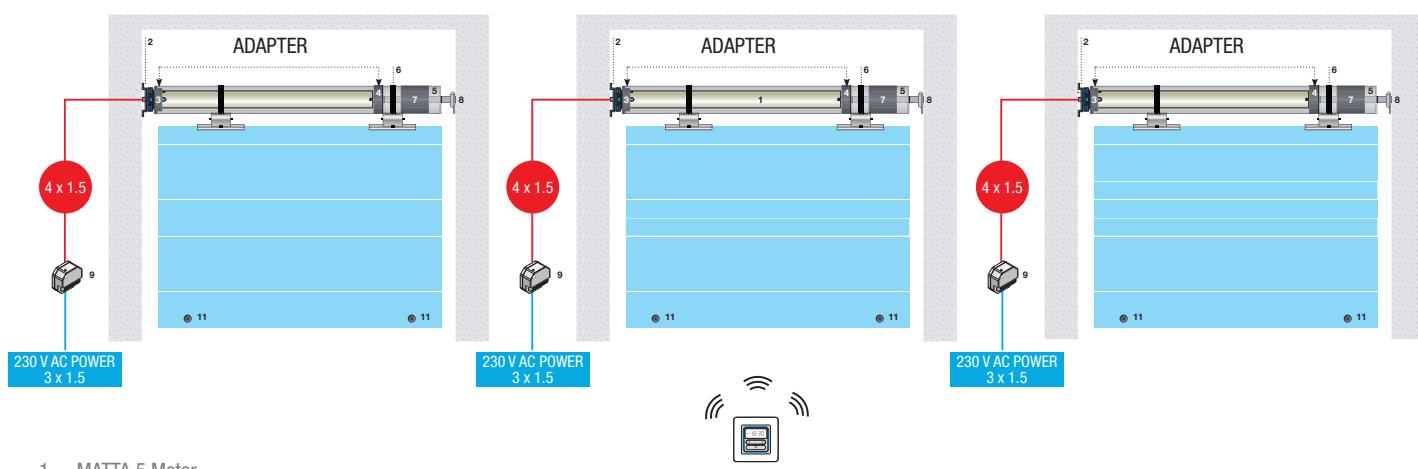
For the electrical connections please see the installation manual.

MONDRIAN R5 MOTOR WITH MECHANICAL LIMIT-SWITCH AND BUILT-IN RECEIVER



- 1 MONDRIAN R5 motor
- 2 Motor brace
- 3 Crown (adaptor)
- 4 Wheel (adaptor)
- 5 Winder tube
- 6 Ring (optional)
- 7 Telescopic or standard cap
- 8 Brace and bearing for cap
- 9 WAGNER 5 Five-channel transmitter
- 10 End caps
- 11 End caps

MATTA 5 MOTOR WITH MECHANICAL LIMIT-SWITCH



- 1 MATTA 5 Motor
- 2 Motor brace
- 3 Crown (adaptor)
- 4 Wheel (adaptor)
- 5 Winder tube
- 6 Ring (optional)
- 7 Telescopic or standard cap
- 8 Brace and bearing for cap
- 9 RKL-T-W50 Recessed receiver
- 10 VIVALDI TIMER TX5 transmitter
- 11 End caps

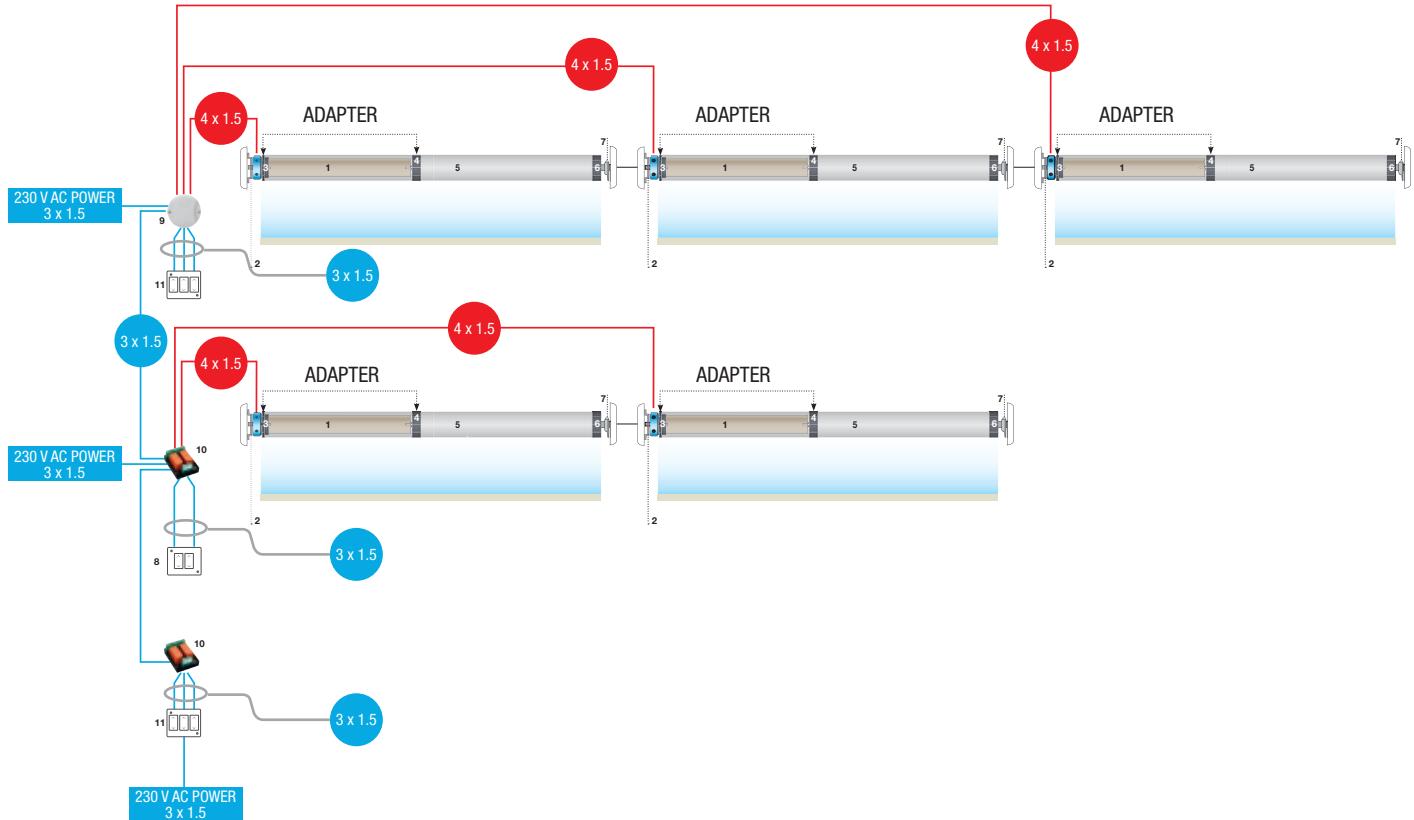
WARNING

For the electrical connections please see the installation manual.

MOTOR WITH MECHANICAL LIMIT SWITCH

MONDRIAN Q5

MOTOR WITH MECHANICAL LIMIT-SWITCH MULTIPLE CENTRALIZATION OF MECHANICAL MOTORS



- 1 MONDRIAN Q5 Motor
- 2 Motor brace
- 3 Crown (adaptor)
- 4 Wheel (adaptor)
- 5 Winder tube
- 6 Telescopic or standard cap

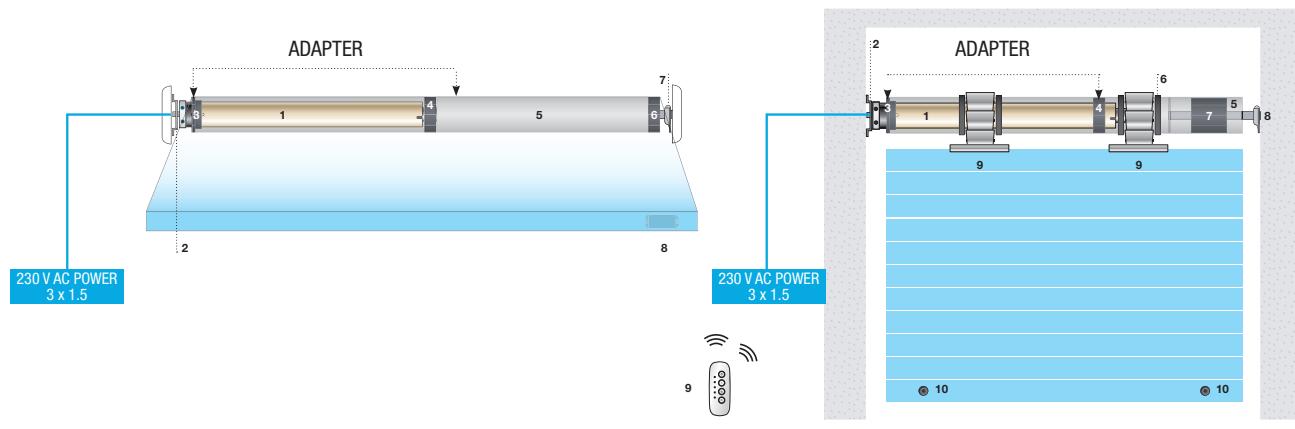
- 7 Brace and bearing for cap
- 8 One double button
- 9 One centralization for three motors 001YE006
- 10 Two centralization for two motors 001YE005
- 11 Two triple buttons

WARNING

For the electrical connections please see the installation manual.

MONDRIAN R6

TWO MOTORS WITH MECHANICAL LIMIT-SWITCH VIA RADIO

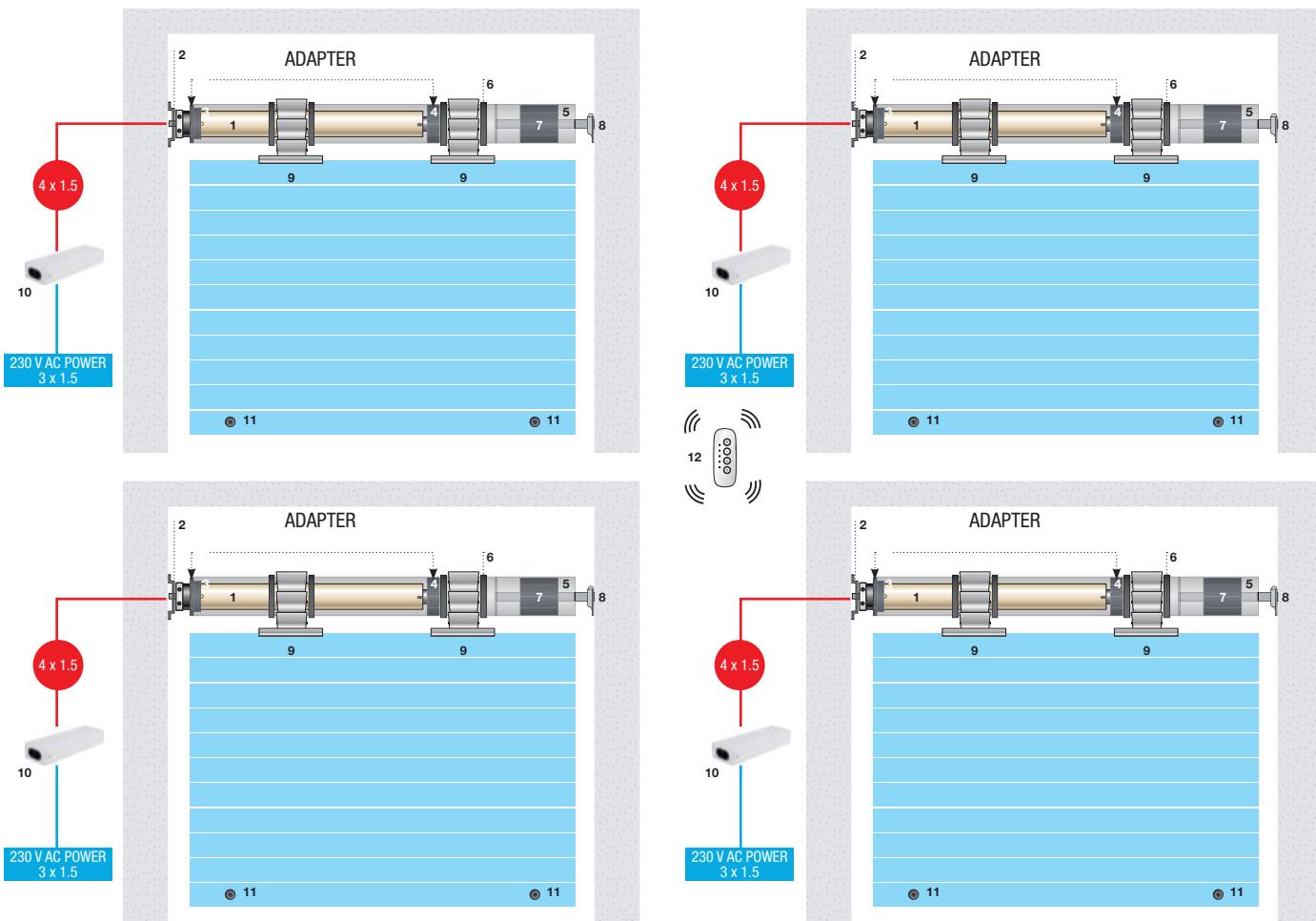


1 MONDRIAN R6 Motor
 2 Motor brace
 3 Crown (adapter)
 4 Wheel (adapter)
 5 Winder tube

6 Telescopic or standard cap
 7 Brace and bearing for cap
 8 Awing protection. BACH KLT vibration-sensing safety device
 9 WAGNER 5 Five-channel transmitter

MONDRIAN 6

MOTOR WITH MECHANICAL LIMIT-SWITCH MULTIPLE CENTRALIZATION OF MECHANICAL MOTORS



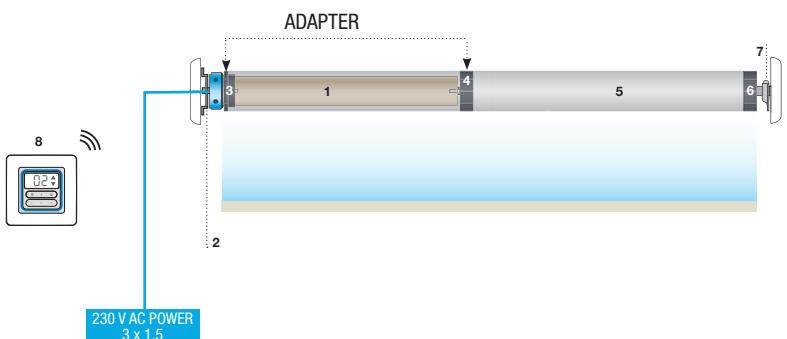
1 Four MONDRIAN 6 motors
 2 Motor brace
 3 Crown (adapter)
 4 Wheel (adapter)
 5 Winder tube
 6 Ring (optional)

7 Telescopic or standard cap
 8 Brace and bearing for cap
 9 Burglar proof spring (optional)
 10 Four external receivers for RKL-120 motors with electro-mechanical limit switch
 11 End caps
 12 WAGNER 5 Five-channel transmitter

MOTOR WITH ELECTRONIC LIMIT SWITCH

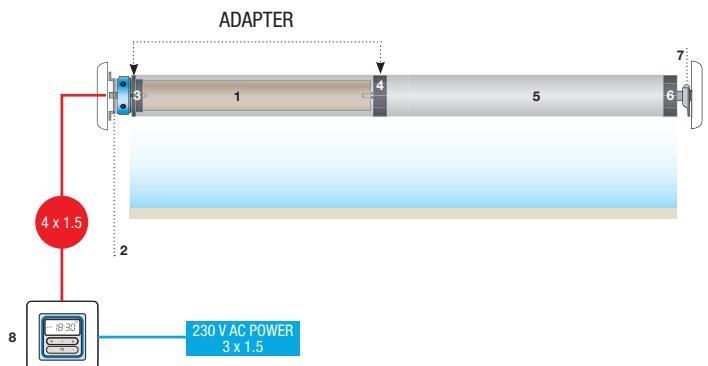
KLIMT 4 MOTOR WITH ELECTRONIC LIMIT-SWITCH AND BUILT-IN RECEIVER

- 1 KLIMT 4 Motor
- 2 Motor brace
- 3 Crown (adaptor)
- 4 Wheel (adaptor)
- 5 Winder tube
- 6 Telescopic or standard cap
- 7 Brace and bearing for cap
- 8 VIVALDI TIMER TX1 One-channel portable transmitter



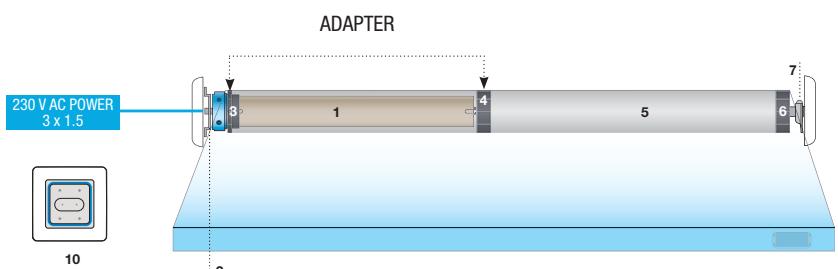
ENSOR 4 MOTOR WITH ELECTRONIC LIMIT-SWITCH VIA CABLE

- 1 ENSOR 4 Motor
- 2 Motor brace
- 3 Crown (adaptor)
- 4 Wheel (adaptor)
- 5 Winder tube
- 6 Telescopic or standard cap
- 7 Brace and bearing for cap
- 8 VIVALDI TIMER 1 Cable-based one-channel timer



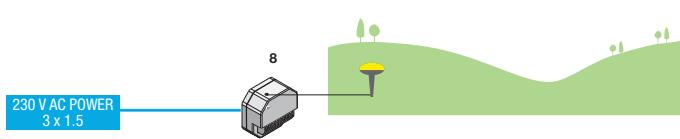
KLIMT 5 MOTOR WITH ELECTRONIC LIMIT-SWITCH AND BUILT-IN RECEIVER

- 1 KLIMT 5 motor
- 2 Motor brace
- 3 Crown (adaptor)
- 4 Wheel (adaptor)
- 5 Winder tube
- 6 Telescopic or standard cap
- 7 Brace and bearing for cap
- 8 RKL-T-WL Lighting control recess-mounted receiver
- 9 Awing protection. BACH KLT vibration-sensing safety device
- 10 VIVALDI TX2 Two-channel portable transmitter

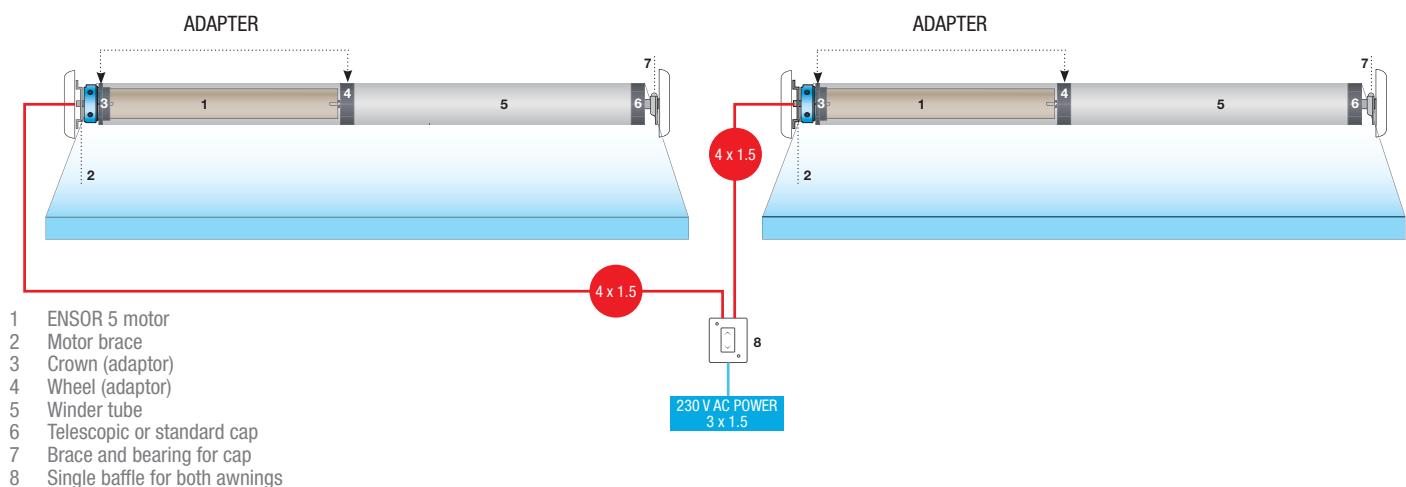


WARNING

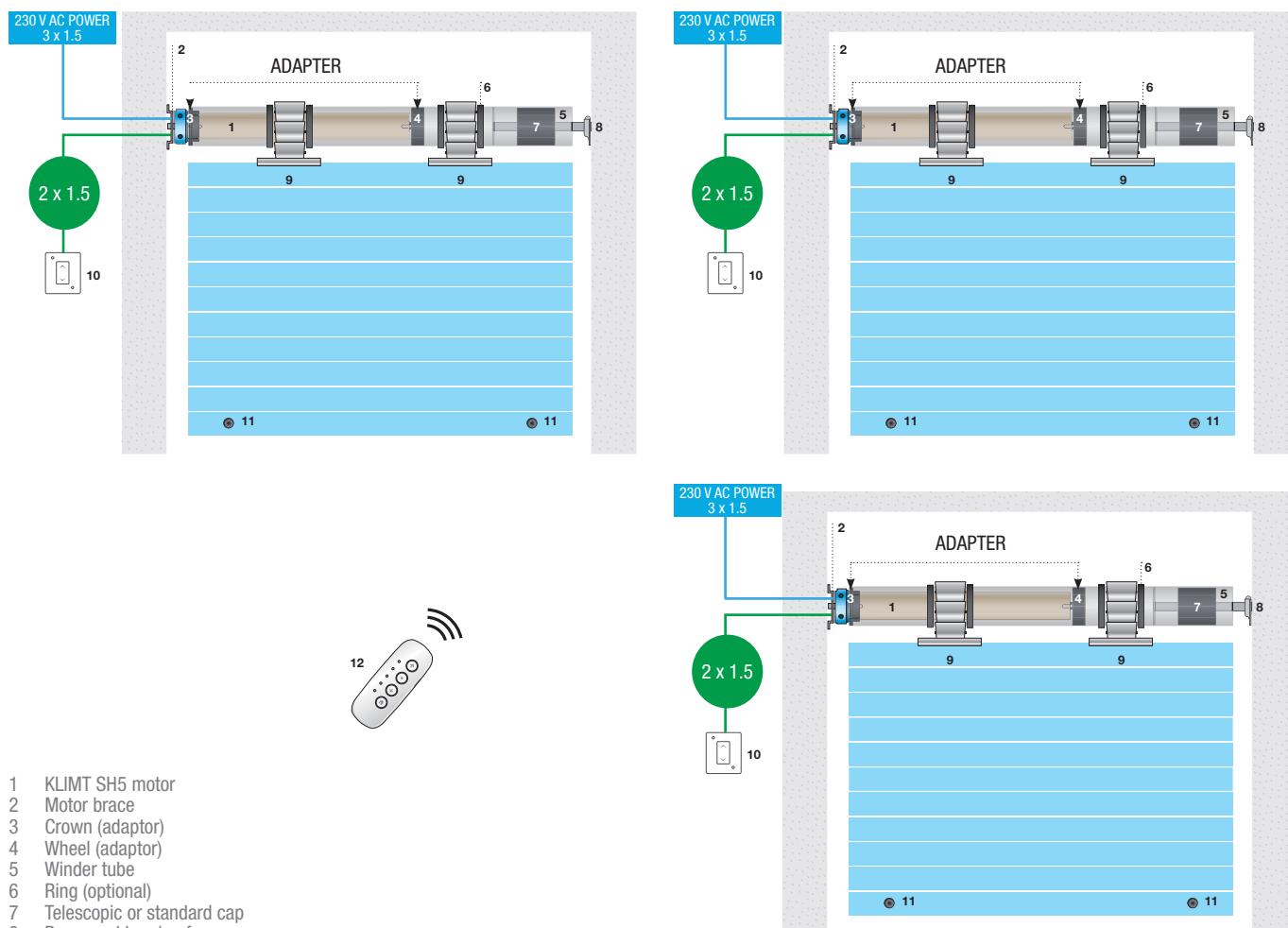
For the electrical connections please see the installation manual.



ENSOR 5 MOTOR ELECTRONIC LIMIT-SWITCH VIA CABLE



KLIMT SH5 MOTOR WITH ELECTRONIC LIMIT-SWITCH AND BUILT-IN RECEIVER

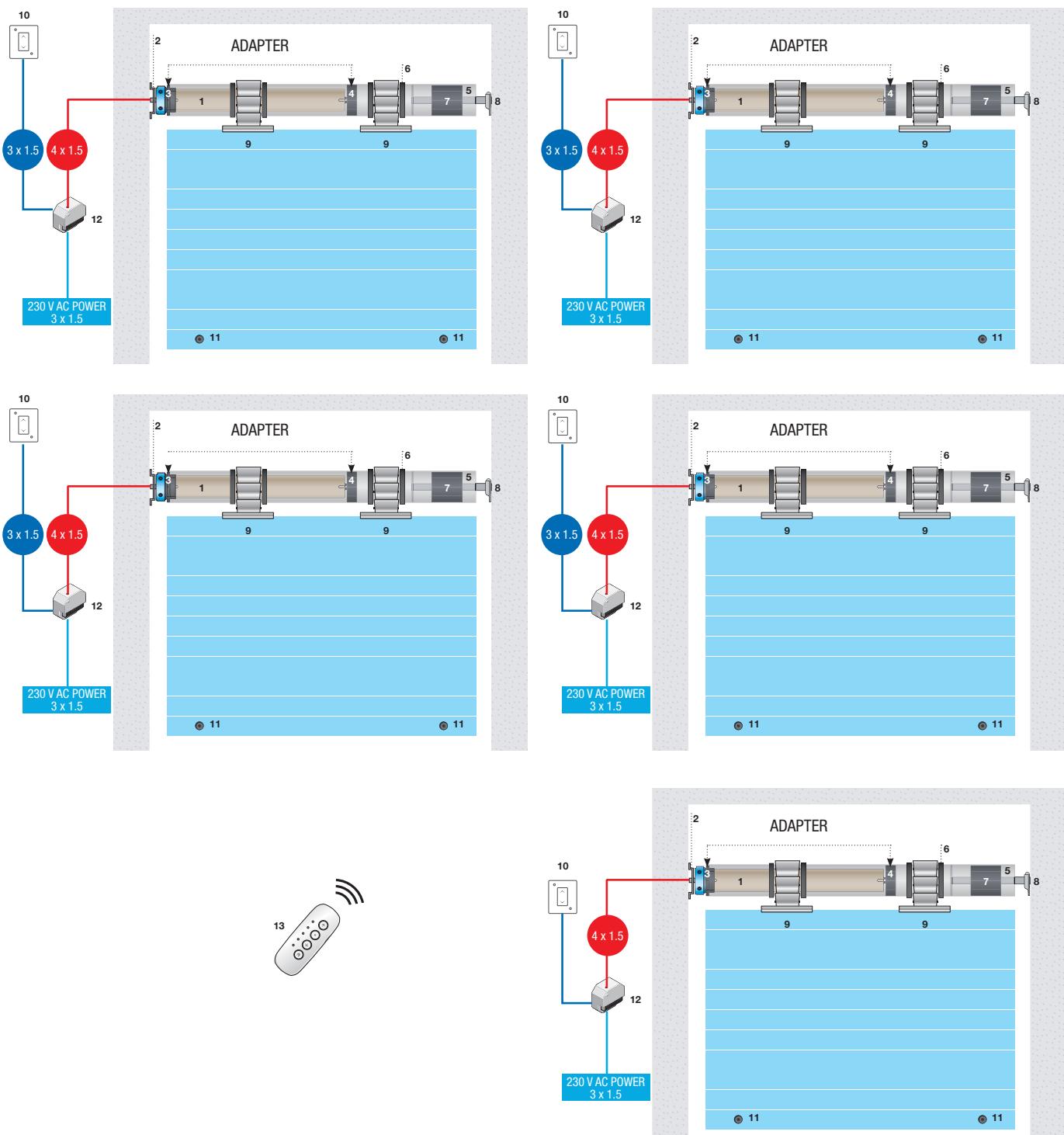


WARNING

For the electrical connections please see the installation manual.

MOTOR WITH ELECTRONIC LIMIT SWITCH

ENSOR SH5 MOTOR WITH ELECTRONIC LIMIT-SWITCH VIA CABLE



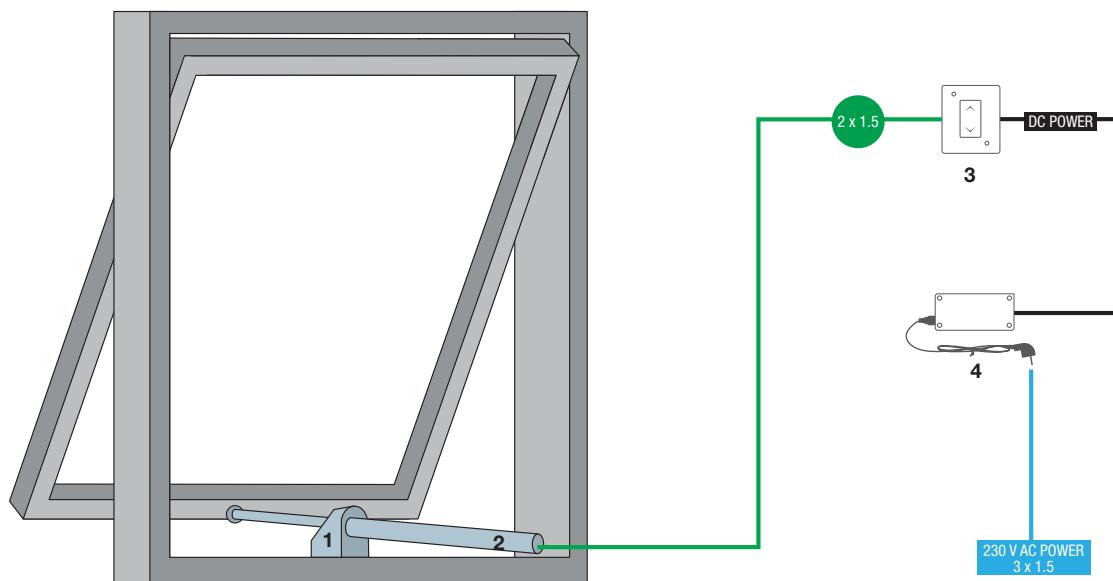
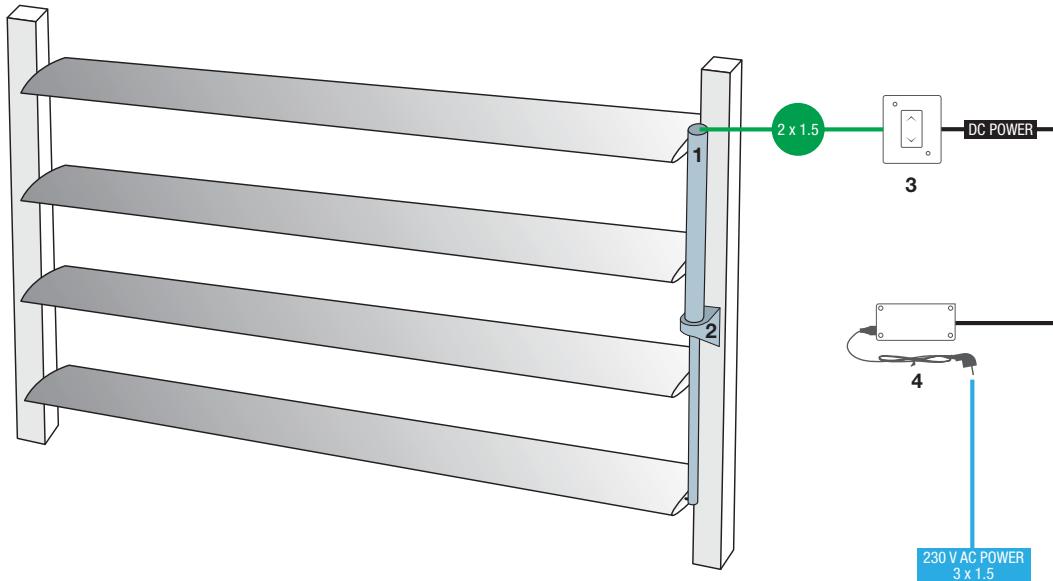
- 1 ENSOR SH5 motor
- 2 Motor brace
- 3 Crown (adapter)
- 4 Wheel (adaptor)
- 5 Winder tube
- 6 Ring (optional)
- 7 Telescopic or standard cap
- 8 Brace and bearing for cap
- 9 Burglar proof spring (optional)
- 10 Double button
- 11 End caps
- 12 RKLT-W50 Recessed receiver
- 13 WAGNER 5 Five-channel transmitter

WARNING

For the electrical connections please see the installation manual.

SUN-SHADE OPERATOR

DEGAS 5 LINEAR ACTUATOR FOR SUN SHADES



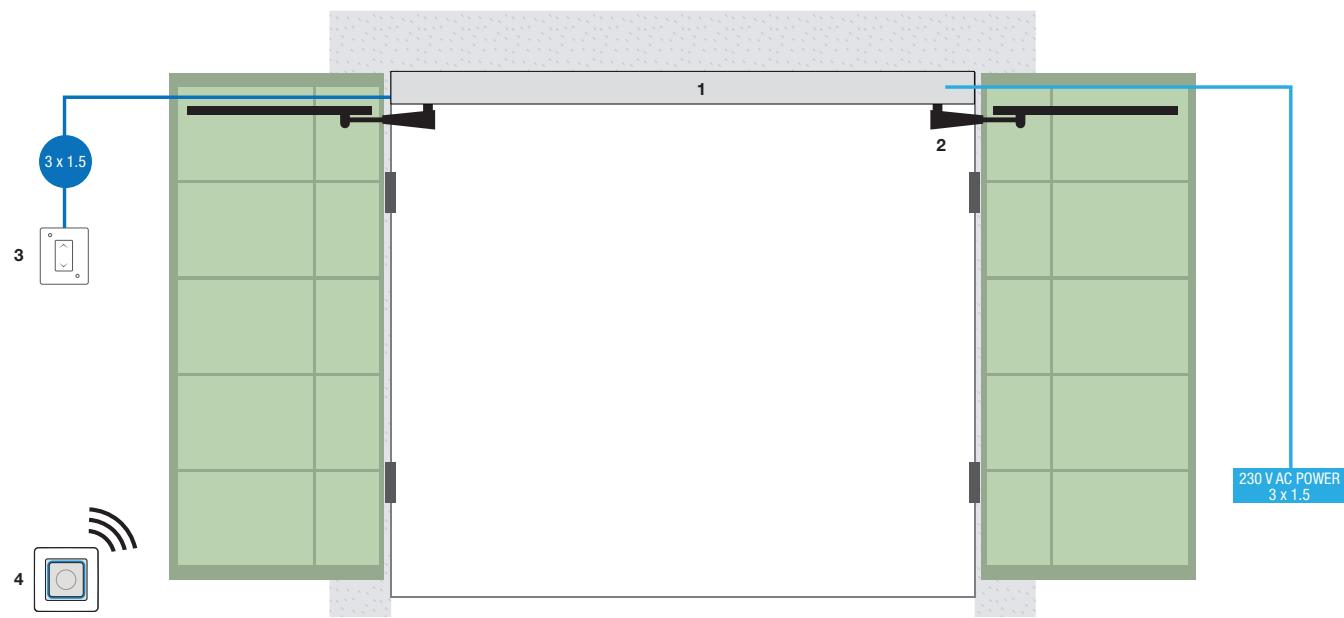
- 1 DEGAS 5 motor
- 2 Swing brace for motor
- 3 Baffle
- 4 Power supply unit

WARNING

For the electrical connections please see the installation manual.

BLINDS OPERATOR

VOILÀ EXTERNAL ACTUATOR FOR BLINDS



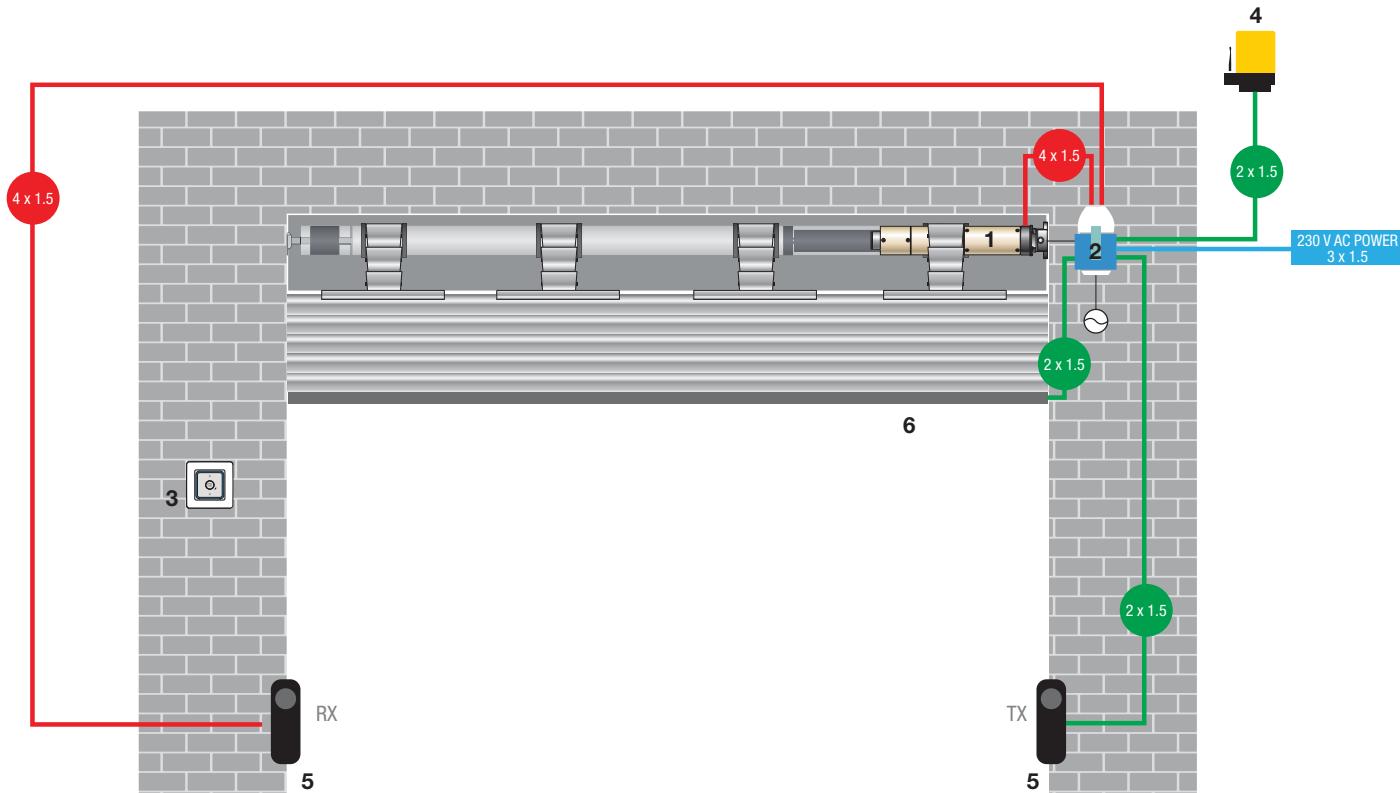
- 1 VOILÀ motor
- 2 Curved arms for rigid-panel shutters
- 3 Double button
- 4 VIVALDI MONOTOUCH remote control

WARNING

For the electrical connections please see the installation manual.

SHUTTER OPERATOR

MONDRIAN M9 WINDING SHUTTER WITH MARTINI PANEL



- 1 MONDRIAN M9 Motor
- 2 MARTINI control unit with built-in receiver
- 3 VIVALDI MONOTOUCH remote control
- 4 DADOO Flashing light
- 5 DIR safety photocells
- 6 DF sensitive safety-edge

ALPHABETICAL INDEX OF CODES

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81 - 001H3001	44 - 001Y5010A151EN	38 - 001Y5030G151MO	86 - 001YE0006
79 - 001UV01	57 - 001Y5010A151ENS	39 - 001Y5030G151MOR	90 - 001YE0007
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37 - 001UY9990	42 - 001Y5010A171MOQR	46 - 001Y5040A151MOM	87 - 001YE0038
37 - 001UY9991	43 - 001Y5010A261KL	47 - 001Y5040A151MOMR	87 - 001YE0039
55 - 001UY9992	56 - 001Y5010A261KLS	39 - 001Y5040A151MOR	87 - 001YE0040
37 - 001UY9994	38 - 001Y5010A261MO	43 - 001Y5050A121KL	87 - 001YE0041
55 - 001UY9995	39 - 001Y5010A261MOR	45 - 001Y5050A121KLA	87 - 001YE0042
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30 - 001Y4006A281MO	57 - 001Y5030A151ENS	92 - 001YB01 - ECOBOX 1	81 - 001YE0143
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30 - 001Y4006G283MO	56 - 001Y5030A151KLS	92 - 001YB04 - ECOBOX 4	88 - 001YE0146
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32 - 001Y4010A171KL	46 - 001Y5030A151MOM	92 - 001YB06 - ECOBOX 6	88 - 001YE0148
30 - 001Y4010A171MO	47 - 001Y5030A151MOMR	92 - 001YB07 - ECOBOX 7	88 - 001YE0149
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GENERAL CONDITIONS OF SALE

1. GENERAL POINTS

- 1.1 This document is for direct customers (hereinafter "Customers") of CAME S.p.A. (hereinafter "CAME").
- 1.2 It is for defining the provisions that shall govern all purchase agreements stipulated between CAME and each Customer (hereinafter "General Conditions of Sale"). Installation jobs by CAME are excluded.
- 1.3 The purchase agreements that come under the General Conditions of Sale refer to "CAME", "Bpt" and "Domino Led" branded products (hereinafter "Products").
- 1.4 In some cases the General Conditions of Sale may constitute direct offers by CAME to third party buyers of the Products and may not in any way commit CAME to said third party buyers, that is, the end buyers of the Products.

2. ESTIMATE OFFERS

- 2.1 Offers made by CAME to Customers retain their efficacy for at most 30 (thirty) days from the date they are forwarded.

3. ORDERS

- 3.1. Pursuant to article 1329 of the Civil Code of Law, purchase orders signed by Customers and sent to CAME constitute firm and irrevocable orders for 30 (thirty) days from the date they are received by CAME.

3.2 The purchase agreements are accepted only once:

- a) CAME provides written confirmation of the purchase order; or
- b) CAME materially carries out the purchase order.

Any changes or additions to the single provisions of the General Conditions of Sale or of the purchase order shall have no efficacy unless expressly approved in writing by CAME. For any change to the purchase order, CAME reserves the right to cancel the change and the original purchase order.

3.4 The Product's delivery date appearing in the purchase orders shall always, and in any case, be merely indicative in value, and, any delays with respect to this term shall not be grounds for any refunds or termination of the agreement. Particularly, CAME reserves the right to extend the delivery terms as well as cancel the purchase order due to force majeure or events that are beyond its control, such as, changes in the judicial status of Customers or difficulty in sourcing raw materials and components.

4. DELIVERY AND SHIPPING

- 4.1 The Products are delivered ex works, that is, at CAME's registered offices (hereinafter "Delivery")

4.2 In the event that Products are delivered Ex-works Dosson di Casier INCOTERMS 2010, the risk transfers at the moment of CAME makes Delivery of the Products to the Customer, who shall also bear any transportation costs.

4.3 Unless agreed otherwise, CAME decides, on behalf and in name of the Customer, the type of shipping, the route and the shippers.

4.4 CAME reserves the right to carry out partial orders or Deliveries as concerns purchase orders. All partial Deliveries shall be invoiced individually and the terms of payment shall begin on the date of each invoice. Payment for partial Deliveries may not be deferred until the last Deliveries are made for the original purchase order. What is set forth in paragraph 4.1 also applies to partial Deliveries.

5. PRICES AND PRICE LISTS

5.1 Price means that which appears on the latest CAME price list, for Products delivered to Customers, with regular packaging included, VAT and shipping fees not included (hereinafter "Price"). The latest price list issued by CAME voids all previous price lists. If there is a change in the price list during the 30 (thirty) days mentioned in paragraph 3.1, the price list in effect at the time CAME receives the purchase order shall be the one applied to the purchase order.

6. PAYMENT

6.1 The Price shall be paid within the agreed terms. Without prejudice to the greater damage, non payment of the Price within said terms shall result in interest being applied for late payment in commercial transactions, as provided in Legislative Decree no. 231 of 9 October 2002 (according to the European Parliament and Council Directive 2000/35/CE and to the Vienna Convention of 11 April 1980, ratified by the Italian State with Law no. no. 765/1985) and subsequent amendments and updates. Such interest shall apply as of the payment deadline and shall be due upon CAME's third request for payment.

6.2 Any delay in paying the Price within said terms means the Customer shall owe CAME any currency-exchange losses.

6.3 Customers may not raise questions nor objections with CAME until after paying the Price.

6.4 In case of any irregularities in the payments, CAME reserves the right to block all purchase orders as well as all Deliveries that are underway, without notice and right to compensation for any damages.

7. RETURNS AND CLAIMS

7.1 All claims must be in writing within 8 (eight) days of receiving the Products regardless of whether they concern the quantity or quality of the delivered Products.

7.2 Returned delivered Products shall be accepted by CAME only after agreeing to do so in writing and exclusively involving new Products complete with their packaging.

7.3 Returned products come with the corresponding transport return papers, showing CAME's written authorization as well as the quantity and quality of the Products.

7.4 Returns shall not be deemed as accepted by CAME if not done in the manner detailed above and, above all, allowing the Returned Products to be delivered at any of its own premises shall in way constitute acceptance.

8. WARRANTY

8.1 This warranty involving commercial dealings or in case goods are sold for professional use is provided in compliance with article 1512 of the Italian Civil Code of Law and, unless otherwise agreed between the Parties hereto, it only covers repairing or replacing any pieces of Product that CAME acknowledges as being faulty with rebuilt or equivalent Products (hereinafter "Conventional Guarantee").

8.2 The provisions of articles 1490-1495 of the Italian Civil Code of Law are excluded, in terms of legal warranty. Consequently CAME shall owe no compensation for damages pursuant to article 1494 of said Code.

8.3 CAME guarantees that its Products function properly. Unless otherwise agreed, the validity of the Conventional Warranty covers 24 (twenty-four) months from their production date, which appears on the Products. For Art line tube motors with mechanical limit switches the warranty covers 60 (sixty) months from their production date. The parking line of products is covered by 12 (twelve) months of warranty from the commissioning date. The Conventional Warranty is conditional to respecting the technical characteristics, regular maintenance, proper state-of-the-art installation, safety and compliance with intended use, all of which are expressly detailed in the technical literature that comes with the Products.

8.4 The Conventional Warranty is not recognized 1) to consumer goods, used for installation jobs, maintenance and assembly; 2) to materials that are subject to wear and tear (such as printers, printer heads, and so on); 3) in case of any caused damage or malfunctions caused by factors other than the Products (such as, vandalism, weather, electric network and data transmission network over-voltage, and so on) 4) to existing or yet to be created installations, caused by environmental interferences of any nature that exceed legal limit values; 5) to lack of maintenance. The Conventional Guarantee is not valid even in case of tampering or wrongful use of the Product.

8.5 Implementation terms: unless otherwise agreed, the right to the Conventional Warranty is exercised by providing copy of the purchase document, that is, the fiscal invoice, to CAME. Customers must report the flaw to CAME within the validity term of 30 (thirty) days of it being found. The action must be exercised within the limitation period of 6 (six) months of the flaw being found. The Product parts for which the Conventional Warranty is being claimed must be shipped by the Customer to the CAME's registered office.

8.6 The Customer may not request reimbursement for indirect damages, missed profit, loss of production and in any event may not demand as compensation any sums greater in value than that of the supplied Product components or Products themselves. Unless otherwise agreed, all transport expenses for Products needing repair or already repaired, even if covered by Conventional Warranty, shall be borne by the Customer.

8.7 No external job performed by CAME technical staff is covered by the Conventional Warranty. Any costs related to such jobs shall apply CAME tables or ones of the companies of the CAME group.

8.8 Specific changes to the conditions of the Conventional Warranty which are described herein must be defined by the parties in their own commercial agreements.

9. REPAIRS

9.1 Product Repairs that are requested by Customers shall be made by CAME, once agreement is reached on the cost of the job. Unless otherwise agreed, on-site jobs by CAME are excluded.

9.2 In any case labor cost and shipping costs (there and back) shall be borne by the Customer.

10. RETAINED OWNERSHIP

10.1 By express agreement, the Products are owned by CAME until their full Price is paid by the Customer, regardless of who is holding the Products. Any transport costs and any other costs needed to retrieve the Products, as well as, any extraordinary and repeatable costs, shall be borne by the Customer.

11. PATENTS, TRADEMARKS AND DISTINCTIVE SIGNS

11.1. Customers are aware that the Products are covered by patents which involve Know-how and design which are exclusively owned by CAME, pursuant to the Industrial Property Code (Legislative Decree no. 30/2005).

11.2 It is expressly forbidden for Customers to violate said CAME rights and in any case Customers may not in any way remove, suppress or in any way alter trademarks and other distinctive signs or logos of any kind that are placed on Products, as it is forbidden to place any new ones of any kind. Also forbidden is any form of reproduction or use of the CAME trademark and of any other distinctive sign found on Products, unless granted in writing by CAME.

12. EXPRESS TERMINATION CLAUSE

12.1 Pursuant to and by effect of article 1456 of the Civil Code of Law, delayed or non payment, even partial, of the Price by the Customer, according to the manner specified in paragraph 6 of these General Conditions of Sale, shall result in termination of the purchase agreement, with CAME having the right to ask the Customer for compensatory damages, and for restitution of the Products for which the Customer has not paid the Price.

13. AGREEMENTS BETWEEN THE PARTIES

13.1 In the event of any agreements, whether preexisting or occurred, between CAME and the Customer, as concerns returns and payment methods, any such agreements shall prevail over what is established by the General Conditions of Sale.

14. APPLICABLE LAW AND COURT OF JURISDICTION

14.1 Any purchase orders that are concluded according to the General Conditions of Sale are subject to and must be interpreted according to the provisions of Italian law, thereby excluding any other right.

14.2 All disputes that may arise out of the above mentioned purchase agreements shall be put to Italian jurisdiction and exclusively tried by the Court of Treviso (Italy). In any case, CAME reserves the right to sue the Customer in the court of jurisdiction where the Customer's registered office is located.

The photos contained in this catalog are merely indicative of the product and are not legally binding.

All data has been drawn up with the utmost care by CAME S.p.A. , which reserves the right to make any changes and updates as it sees fit, at any time and without warning.

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safety & comfort



Came S.p.A. is Quality, Environment and Safety certified
in compliance with:
UNI EN ISO 9001
UNI EN ISO 14001
BS OHSAS 18001

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Came S.p.A.

Via Martiri della Libertà, 15
31030 Dosson di Casier
Treviso - Italy
Tel. (+39) 0422 4940
Fax (+39) 0422 4941
info@came.com - www.came.com

Came Nord Est
Udine - ITALY

Came Nord Ovest
Cuneo - ITALY

Came Centro
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