

2021 EDITION

ROLLER SHUTTER

MOTORS,
CONTROLS
& ACCESSORIES



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WHO ARE WE ?

**MANUFACTURERS OF MOTORS AND AUTOMATIC CONTROLS
FOR ROLLER SHUTTERS, SUN BLINDS,
INDUSTRIAL AND COMMERCIAL CLOSURES SINCE 1952**

For over 67 years, SIMU has built on its industrial knowledge and expertise, and founding values to offer customers all over the world quality products and services.

INVENTOR OF THE TUBULAR MOTOR FOR ROLLER SHUTTERS IN 1959!

In 1959, SIMU invented the tubular motor for roller shutters, a technology which has since become the market standard. Since then, we have continued to expand our knowledge and our expertise of the market and of our customers' activities.

With over 67 years of experience, SIMU has become a reference brand in France and on the international stage!



OUR VALUES

...EXPRESS OUR AMBITIONS
AND PERSONALITY.
THEY GUIDE US AND DIRECT US EVERYDAY.



RELIABILITY

IN OUR PRODUCTS, SERVICES, PROCESSES
AND EXCHANGES WITH CUSTOMERS.

We constantly strive to achieve professionalism, quality and excellence.
We win and maintain the trust of our partners over the long term
because we respect our commitments.



SIMPLICITY

IN THE SOLUTIONS WE PROVIDE, EXCHANGES AND ORGANISATION.

We act transparently and with common sense to provide the ideal response
to meet the needs of our customers and of the market.



PROXIMITY

BY BUILDING STRONG AND LASTING RELATIONSHIPS
WITH OUR CUSTOMERS.

We know them well, work in a climate of trust and in a friendly atmosphere
and meet their needs in terms of products and services.



FLEXIBILITY

OR HOW TO ANTICIPATE, ADAPT AND REACT IN POTENTIALLY COMPLEX,
CHANGING OR RISKY SITUATIONS.

We are available and attentive to our customers, markets and environments
at all times in order to provide solutions and seize new opportunities.



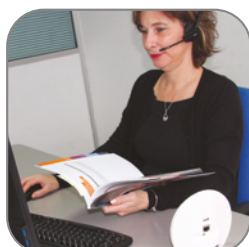
OUR SERVICES

IN ADDITION TO DESIGNING AND MANUFACTURING PRODUCTS,
SIMU GOES THAT EXTRA MILE. SIMU: COMMITTED TO YOU!



PERSONALISED COMMERCIAL DEPARTMENT

Dedicated commercial contacts.
Advice and selection assistance.
Long-term relationship to get to know each other better.



TECHNICAL FOLLOW-UP

Telephone technical assistance.
After-sales service.



TECHNICAL AND COMMERCIAL TRAINING

On-site training or at the SIMU training center.



MARKETING AND COMMUNICATION ASSISTANCE

Full range of tools for promotional assistance and SIMU product sales:
catalogues, point of sale advertising, videos, demo models for showrooms.



MADE-TO-MEASURE SOLUTIONS

Specific requirements study.
Product personalisation.



SIMU PARTNER

Partnership programme
between SIMU and manufacturers.

CUSTOMER
SERVICE CONTACT

TEL. +33 3 84 64 75 00

E-MAIL:
service@simu.com



PRODUCT QUALITY

100% of our motors tested during manufacture.
Product traceability. International quality labels (NF, VDE, UL, etc.)



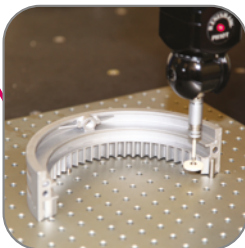
PROCESS

We are ISO9001, version 2015, certified, guaranteeing the homogeneity of our operating and manufacturing processes and long-term quality.
Our continuous improvement process is based on numerous recognised tools (5S, Short Interval Team Management, etc.) and we guarantee an ongoing improvement process.



ORGANISATION

Production is organised in extended responsibility production cells: multi-function and multi-skilled operators with command over their production and quality.
Organising our teams in project mode enables us to link the company's various sector experts through common objectives.



DEVELOPMENT

Each new product meets a very strict set of specifications in order to comply with the standardisation requirements in the countries where it will be marketed. To ensure this, they are subjected to the most demanding tests in our integrated test laboratory covering over 1,400 m²

OUR PERFORMANCE

HIGH-QUALITY PRODUCTS, EFFICIENT PROCESSES,
A FLEXIBLE AND FAST-REACTING ORGANISATION AND
UNCOMPROMISING PRODUCT QUALITY REQUIREMENTS
ARE THE KEY INGREDIENTS OF
SIMU'S EXCELLENCE AND PERFORMANCE.

INTERNATIONAL PRESENCE

For international contact details,
please call +33 (0)3 84 64 75 00

THROUGH OUR SUBSIDIARIES AND
DISTRIBUTORS, SIMU IS PRESENT WORLDWIDE



SIMU AT A GLANCE



+20 million

MOTORS SOLD WORLDWIDE
SINCE THE START



2006

OUR FIRST
SOLAR OFFER



800 kg

MAX. LOAD RAISED BY
OUR INDUSTRIAL MOTORS



90%

OF OUR CUSTOMERS HAVE BEEN
LOYAL TO US FOR OVER 10 YEARS



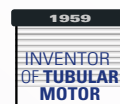
260

EMPLOYEES



50% The share
of export T/O

IN 76 COUNTRIES



A BRAND OF **SOMFY** GROUP

Visit our website: www.simu.com



E-catalogue



Manuals



Videos



Recommendations



FAQ

...and our channel:



IDENTIFICATION & TRACEABILITY

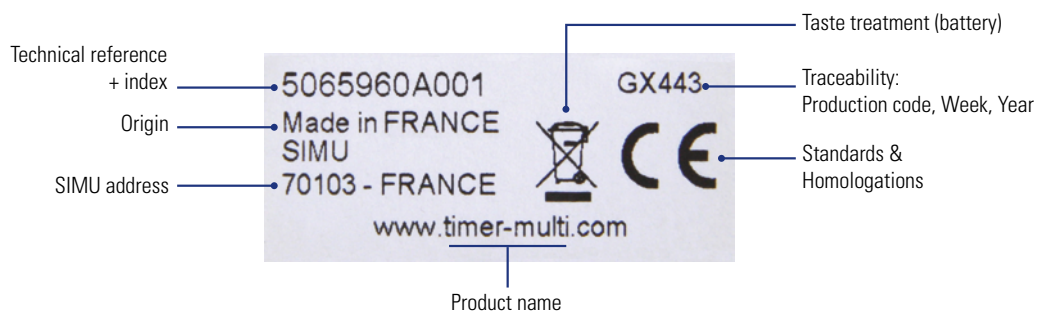
SIMU PRODUCTS

EACH SIMU MOTOR HAS AN IDENTIFICATION STICKER WITH A UNIQUE REGISTRATION NUMBER, STUCK ON THE TUBE, USEFUL TO HAVE ITS TECHNICAL INFORMATION AND ENSURE ITS TRACEABILITY.

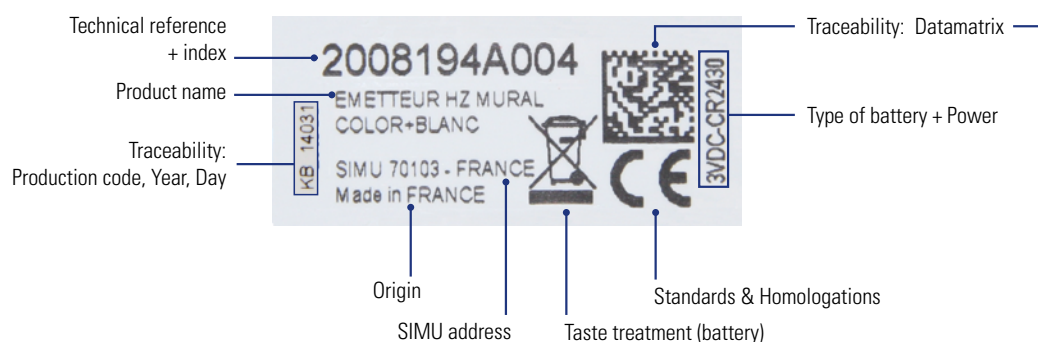
STICKERS FOR CONTROLS AND AUTOMATIC DEVICES



STICKER **WITHOUT** DATAMATRIX



STICKER **FOR UNIQUE** REGISTRATION WITH DATAMATRIX



UNIQUE traceability with Datamatrix (16x16mm)



2008194A|GX|13|208|17|28|26|

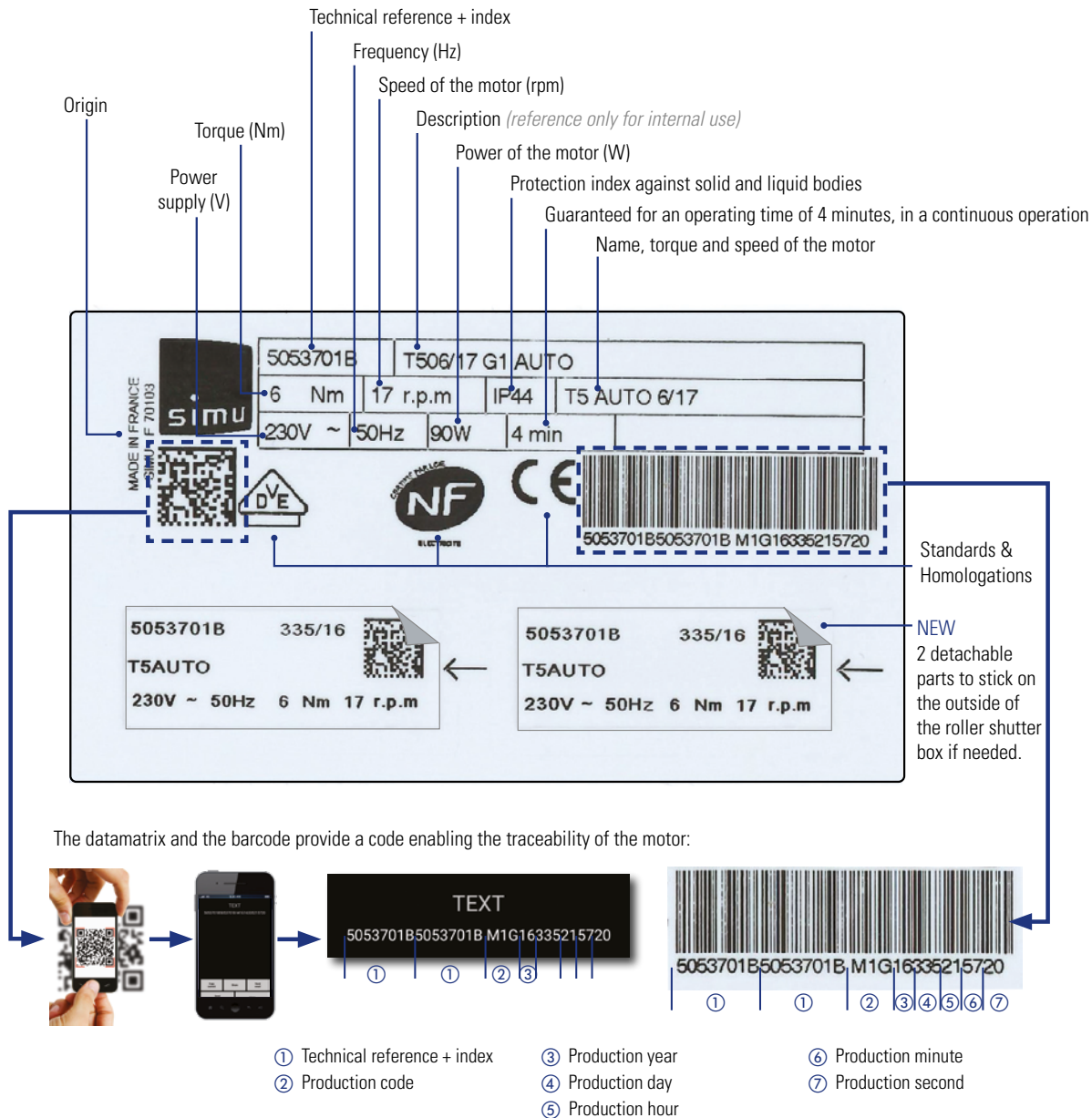
① ② ③ ④ ⑤ ⑥ ⑦

- ① Technical reference + index
- ② Production code
- ③ Production year
- ④ Production day
- ⑤ Production hour
- ⑥ Production minute
- ⑦ Production second

STICKERS FOR MOTORS

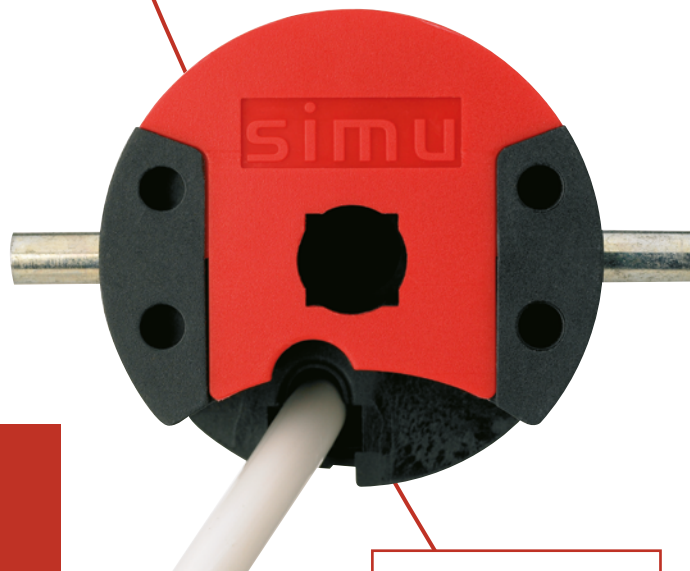


STICKER **FOR UNIQUE** REGISTRATION WITH DATAMATRIX & BARCODE



In case of repairing or of after-sales service, you may encounter motors with different stickers: these are older sticker models. However, the information given will be the same as those presented above.

MOTORIZED MECHANISMS




simu-Hz[®]
technology

NEW


simu-BHz[®]
technology

SELECTION CHARTS p.14

MOTORS p.20

ACCESSORIES: ADAPTOR SETS, BRACKETS AND END CAPS p.72

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SELECTING THE MOTOR

TO MATCH THE DIFFERENT TUBES...

THE SELECTION CHARTS AND LIMITS OF USE MENTIONED IN THIS CATALOGUE

...are given for information and vary according to each installation characteristic (in particular: type of slats, friction, conditions of installation, variation in power supply voltage, torque variations due to the kinematics and spring strength of each awning). Neither the manufacturer nor the seller can be responsible for bodywork and material damage.

Recommendations for the use of tubes require careful attention as well (see profiler's charts). Each awning and roller shutter manufacturer will have to test the products in order to determine his own selection charts.

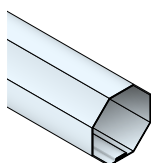
Please ask us about any specific cases.

NOTA

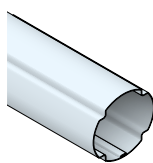
If needed, we can also make personalized selection charts according to your closure specification.

The request form is available on page 19.

ROLLER SHUTTER WITH OCTA 40 & ZF 45 TUBE



OCTA 40

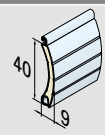
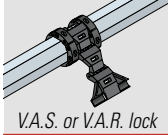
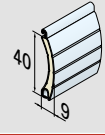
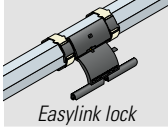
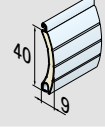


ZF 45

ATTENTION

Maximum fabric weight: **30 kg**

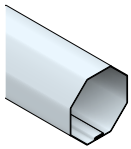
The following charts give the fabric liftable weight (in kg), according to the roller shutter characteristics and the motor torque:

TYPE OF LINK	SIZE OF LATH	SHUTTER HEIGHT	MOTOR TORQUE					
			3 Nm	4 Nm	6 Nm	9 Nm	10 Nm	13 Nm
 Spring fastener		1,5 m	8 Kg	11 Kg	17 Kg	25 Kg	28 Kg	-
		2,4 m	8 Kg	10 Kg	15 Kg	23 Kg	25 Kg	-
		3 m	7 Kg	9 Kg	14 Kg	21 Kg	23 Kg	30 Kg
 V.A.S. or V.A.R. lock		1,5 m	8 Kg	11 Kg	16 Kg	24 Kg	27 Kg	-
		2,4 m	8 Kg	10 Kg	15 Kg	23 Kg	25 Kg	-
		3 m	7 Kg	9 Kg	14 Kg	20 Kg	23 Kg	29 Kg
 Easylink lock		1,5 m	8 Kg	11 Kg	16 Kg	25 Kg	28 Kg	-
		2,4 m	8 Kg	10 Kg	15 Kg	23 Kg	26 Kg	-
		3 m	7 Kg	9 Kg	14 Kg	21 Kg	23 Kg	30 Kg

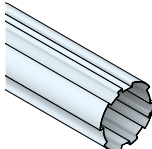
NOTA

Spring fastener: system compatible with all **Ø 40** motors **excepted with T3.5 AUTO+ motor**.

ROLLER SHUTTER WITH OCTA 50 & ZF 54 TUBE



OCTA 50

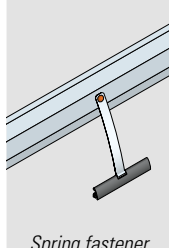
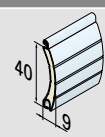
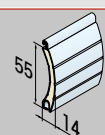
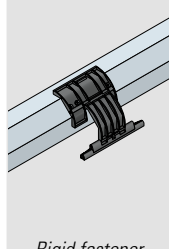
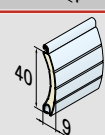
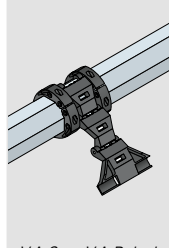
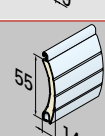
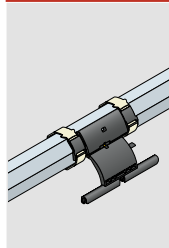
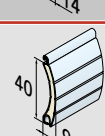


ZF 54

ATTENTION

Maximum fabric weight: **40 kg**

The following charts give the fabric liftable weight (in kg), according to the roller shutter characteristics and the motor torque:

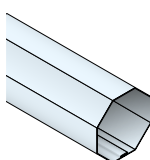
TYPE OF LINK	SIZE OF LATH	SHUTTER HEIGHT	MOTOR TORQUE											
			3 Nm	4 Nm	5 Nm	6 Nm	8 Nm	9 Nm	10 Nm	13 Nm	15 Nm	17 Nm	20 Nm	25 Nm
 Spring fastener	 40	1,5 m	8 Kg	11 Kg	14 Kg	16 Kg	22 Kg	24 Kg	27 Kg	35 Kg	-	-	-	-
		2,4 m	8 Kg	10 Kg	13 Kg	15 Kg	20 Kg	23 Kg	25 Kg	33 Kg	38 Kg	-	-	-
		3 m	7 Kg	9 Kg	12 Kg	14 Kg	19 Kg	21 Kg	24 Kg	31 Kg	35 Kg	40 Kg	-	-
	 55	1,5 m	8 Kg	10 Kg	13 Kg	15 Kg	20 Kg	23 Kg	25 Kg	33 Kg	38 Kg	-	-	-
		2,4 m	7 Kg	9 Kg	12 Kg	14 Kg	18 Kg	21 Kg	23 Kg	30 Kg	35 Kg	39 Kg	-	-
		3 m	6 Kg	9 Kg	11 Kg	13 Kg	17 Kg	19 Kg	22 Kg	28 Kg	32 Kg	37 Kg	-	-
 Rigid fastener	 40	1,5 m	8 Kg	11 Kg	13 Kg	16 Kg	21 Kg	24 Kg	27 Kg	34 Kg	40 Kg	-	-	-
		2,4 m	8 Kg	10 Kg	13 Kg	15 Kg	20 Kg	23 Kg	26 Kg	33 Kg	38 Kg	-	-	-
		3 m	7 Kg	9 Kg	12 Kg	14 Kg	18 Kg	21 Kg	23 Kg	30 Kg	35 Kg	39 Kg	-	-
	 55	1,5 m	7 Kg	10 Kg	12 Kg	15 Kg	20 Kg	22 Kg	25 Kg	32 Kg	37 Kg	-	-	-
		2,4 m	7 Kg	9 Kg	12 Kg	14 Kg	19 Kg	21 Kg	24 Kg	31 Kg	35 Kg	40 Kg	-	-
		3 m	6 Kg	8 Kg	11 Kg	13 Kg	17 Kg	19 Kg	21 Kg	27 Kg	32 Kg	36 Kg	-	-
 V.A.S. or V.A.R. lock	 40	1,5 m	6 Kg	8 Kg	11 Kg	13 Kg	17 Kg	19 Kg	21 Kg	27 Kg	32 Kg	36 Kg	-	-
		2,4 m	6 Kg	8 Kg	10 Kg	11 Kg	15 Kg	17 Kg	19 Kg	25 Kg	29 Kg	32 Kg	38 Kg	-
		3 m	5 Kg	7 Kg	9 Kg	10 Kg	14 Kg	15 Kg	17 Kg	22 Kg	26 Kg	29 Kg	34 Kg	-
	 55	1,5 m	6 Kg	8 Kg	10 Kg	12 Kg	16 Kg	18 Kg	20 Kg	25 Kg	29 Kg	33 Kg	39 Kg	-
		2,4 m	5 Kg	7 Kg	9 Kg	11 Kg	14 Kg	16 Kg	18 Kg	23 Kg	26 Kg	30 Kg	35 Kg	-
		3 m	5 Kg	6 Kg	8 Kg	9 Kg	12 Kg	14 Kg	16 Kg	20 Kg	23 Kg	26 Kg	31 Kg	39 Kg
 Easylink lock	 40	1,5 m	7 Kg	9 Kg	11 Kg	13 Kg	18 Kg	20 Kg	22 Kg	29 Kg	33 Kg	-	-	-
		2,4 m	6 Kg	8 Kg	10 Kg	12 Kg	16 Kg	18 Kg	20 Kg	26 Kg	30 Kg	34 Kg	-	-
		3 m	5 Kg	7 Kg	9 Kg	11 Kg	14 Kg	16 Kg	18 Kg	23 Kg	27 Kg	31 Kg	-	-
	 55	1,5 m	6 Kg	8 Kg	10 Kg	12 Kg	16 Kg	18 Kg	21 Kg	27 Kg	31 Kg	35 Kg	-	-
		2,4 m	6 Kg	7 Kg	9 Kg	11 Kg	15 Kg	17 Kg	19 Kg	24 Kg	28 Kg	31 Kg	-	-
		3 m	5 Kg	7 Kg	8 Kg	10 Kg	13 Kg	15 Kg	17 Kg	21 Kg	25 Kg	28 Kg	33 Kg	-

NOTA

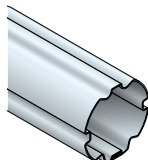
Spring and rigid fasteners: system compatible with all **Ø 40** and **Ø 50** motors

excepted with T3.5 AUTO+ - T3.5 EBHz - T5 AUTO - T5 EBHz - T5 AUTO+SHORT - T5 AUTOSHORT Hz - and T5 AUTOSHORT BHz motors.

ROLLER SHUTTER WITH OCTA 60 & ZF 64 TUBE



OCTA 60

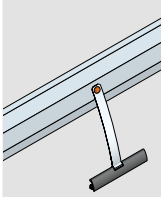
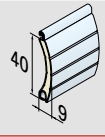
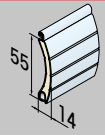
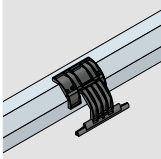
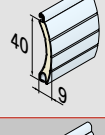
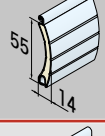
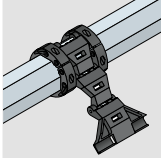
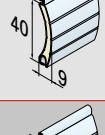
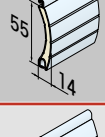
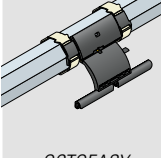
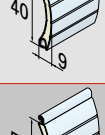
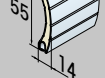


ZF 64

ATTENTION

Maximum fabric weight: **60 kg**

The following charts give the fabric liftable weight (in kg), according to the roller shutter characteristics and the motor torque:

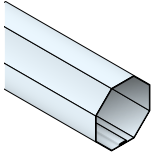
TYPE OF LINK	SIZE OF LATH	SHUTTER HEIGHT	MOTOR TORQUE													
			3 Nm	4 Nm	5 Nm	6 Nm	8 Nm	9 Nm	10 Nm	13 Nm	15 Nm	17 Nm	20 Nm	25 Nm	30 Nm	35 Nm
 <i>Spring fastener</i>	 40	1,5 m	8 Kg	10 Kg	13 Kg	15 Kg	20 Kg	23 Kg	25 Kg	33 Kg	38 Kg	43 Kg	50 Kg	-	-	-
		2,4 m	7 Kg	10 Kg	12 Kg	14 Kg	19 Kg	22 Kg	24 Kg	31 Kg	36 Kg	41 Kg	48 Kg	60 Kg	-	-
		3 m	7 Kg	9 Kg	12 Kg	14 Kg	18 Kg	21 Kg	23 Kg	30 Kg	35 Kg	39 Kg	46 Kg	58 Kg	-	-
	 55	1,5 m	8 Kg	10 Kg	13 Kg	15 Kg	20 Kg	23 Kg	25 Kg	33 Kg	38 Kg	43 Kg	50 Kg	-	-	-
		2,4 m	7 Kg	10 Kg	12 Kg	14 Kg	19 Kg	22 Kg	24 Kg	31 Kg	36 Kg	41 Kg	48 Kg	60 Kg	-	-
		3 m	7 Kg	9 Kg	12 Kg	14 Kg	18 Kg	21 Kg	23 Kg	30 Kg	35 Kg	39 Kg	46 Kg	58 Kg	-	-
 <i>Rigid fastener</i>	 40	1,5 m	6 Kg	9 Kg	11 Kg	13 Kg	17 Kg	19 Kg	22 Kg	28 Kg	32 Kg	37 Kg	-	-	-	-
		2,4 m	6 Kg	8 Kg	10 Kg	12 Kg	16 Kg	18 Kg	20 Kg	25 Kg	29 Kg	33 Kg	39 Kg	-	-	-
		3 m	5 Kg	7 Kg	9 Kg	10 Kg	14 Kg	15 Kg	17 Kg	22 Kg	26 Kg	29 Kg	34 Kg	-	-	-
	 55	1,5 m	6 Kg	8 Kg	10 Kg	11 Kg	15 Kg	17 Kg	19 Kg	25 Kg	29 Kg	32 Kg	38 Kg	-	-	-
		2,4 m	5 Kg	7 Kg	9 Kg	10 Kg	14 Kg	15 Kg	17 Kg	22 Kg	26 Kg	29 Kg	34 Kg	-	-	-
		3 m	4 Kg	6 Kg	7 Kg	9 Kg	12 Kg	13 Kg	15 Kg	19 Kg	22 Kg	25 Kg	29 Kg	36 Kg	-	-
 <i>V.A.S. or V.A.R. lock</i>	 40	1,5 m	6 Kg	8 Kg	10 Kg	12 Kg	16 Kg	18 Kg	20 Kg	26 Kg	30 Kg	34 Kg	40 Kg	50 Kg	60 Kg	-
		2,4 m	5 Kg	7 Kg	9 Kg	11 Kg	14 Kg	16 Kg	18 Kg	23 Kg	27 Kg	31 Kg	36 Kg	45 Kg	54 Kg	-
		3 m	5 Kg	6 Kg	8 Kg	10 Kg	13 Kg	14 Kg	16 Kg	21 Kg	24 Kg	27 Kg	32 Kg	40 Kg	48 Kg	56 Kg
	 55	1,5 m	6 Kg	8 Kg	10 Kg	12 Kg	16 Kg	18 Kg	20 Kg	25 Kg	29 Kg	33 Kg	39 Kg	49 Kg	59 Kg	-
		2,4 m	5 Kg	7 Kg	9 Kg	10 Kg	14 Kg	15 Kg	17 Kg	22 Kg	26 Kg	29 Kg	34 Kg	43 Kg	51 Kg	60 Kg
		3 m	5 Kg	6 Kg	8 Kg	9 Kg	12 Kg	14 Kg	16 Kg	20 Kg	23 Kg	26 Kg	31 Kg	39 Kg	47 Kg	54 Kg
 <i>OCTOEASY Easylink lock</i>	 40	1,5 m	-	9 Kg	11 Kg	13 Kg	18 Kg	20 Kg	22 Kg	29 Kg	33 Kg	-	-	-	-	
		2,4 m	-	8 Kg	10 Kg	12 Kg	16 Kg	18 Kg	20 Kg	26 Kg	30 Kg	34 Kg	-	-	-	-
		3 m	-	7 Kg	9 Kg	11 Kg	14 Kg	16 Kg	18 Kg	23 Kg	27 Kg	31 Kg	-	-	-	-
	 55	1,5 m	-	8 Kg	10 Kg	11 Kg	15 Kg	17 Kg	19 Kg	25 Kg	29 Kg	32 Kg	-	-	-	-
		2,4 m	-	7 Kg	9 Kg	10 Kg	14 Kg	15 Kg	17 Kg	22 Kg	26 Kg	29 Kg	34 Kg	-	-	-
		3 m	-	6 Kg	8 Kg	9 Kg	12 Kg	14 Kg	15 Kg	20 Kg	23 Kg	26 Kg	30 Kg	-	-	-

NOTA

Spring and rigid fasteners: system compatible with all **Ø 40** and **Ø 50** motors

excepted with T3.5 AUTO+ - T3.5 EBHz - T5 AUTO - T5 EBHz - T5 AUTO+SHORT - T5 AUTOSHORT Hz and T5 AUTOSHORT BHz motors.

ROLLER SHUTTER WITH OCTA 70 TUBE

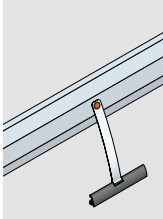
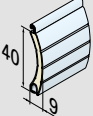
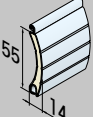
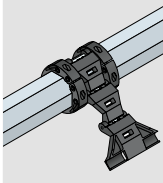
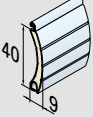
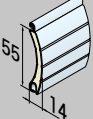


OCTA 70

ATTENTION

Maximum fabric weight: **100 kg**

The following charts give the fabric liftable weight (in kg), according to the roller shutter characteristics and the motor torque:

TYPE OF LINK	SIZE OF LATH	SHUTTER HEIGHT	MOTOR TORQUE													
			8 Nm	10 Nm	15 Nm	20 Nm	25 Nm	30 Nm	35 Nm	40 Nm	50 Nm	55 Nm	60 Nm	70 Nm	80 Nm	
 <i>Spring fastener</i>	 40	1,5 m	18 Kg	23 Kg	35 Kg	46 Kg	58 Kg	69 Kg	-	-	-	-	-	-	-	
		2,4 m	16 Kg	20 Kg	30 Kg	40 Kg	50 Kg	60 Kg	70 Kg	-	-	-	-	-	-	
		3 m	14 Kg	18 Kg	27 Kg	36 Kg	45 Kg	54 Kg	63 Kg	-	-	-	-	-	-	
	 55	1,5 m	15 Kg	19 Kg	28 Kg	37 Kg	46 Kg	56 Kg	65 Kg	74 Kg	93 Kg	-	-	-	-	
		2,4 m	12 Kg	15 Kg	23 Kg	30 Kg	38 Kg	45 Kg	53 Kg	60 Kg	75 Kg	83 Kg	90 Kg	-	-	
		3 m	11 Kg	14 Kg	20 Kg	27 Kg	34 Kg	41 Kg	47 Kg	54 Kg	68 Kg	74 Kg	81 Kg	95 Kg	-	
 <i>V.A.S. or V.A.R. lock</i>	 40	1,5 m	15 Kg	19 Kg	28 Kg	37 Kg	46 Kg	56 Kg	65 Kg	-	-	-	-	-	-	
		2,4 m	12 Kg	15 Kg	23 Kg	30 Kg	38 Kg	45 Kg	53 Kg	60 Kg	-	-	-	-	-	
		3 m	11 Kg	14 Kg	20 Kg	27 Kg	34 Kg	41 Kg	47 Kg	54 Kg	68 Kg	-	-	-	-	
	 55	1,5 m	12 Kg	16 Kg	23 Kg	31 Kg	39 Kg	47 Kg	54 Kg	62 Kg	78 Kg	85 Kg	93 Kg	-	-	
		2,4 m	10 Kg	12 Kg	18 Kg	24 Kg	30 Kg	36 Kg	42 Kg	48 Kg	60 Kg	66 Kg	72 Kg	84 Kg	96 Kg	
		3 m	8 Kg	11 Kg	16 Kg	21 Kg	26 Kg	32 Kg	37 Kg	42 Kg	53 Kg	58 Kg	63 Kg	74 Kg	84 Kg	

NOTA

Spring fastener: system compatible with all **Ø 50** and **Ø 60** motors

excepted with T5 AUTO - T5 EBHz - T5 AUTO+SHORT - T5 AUTOSHORT Hz and T5 AUTOSHORT BHz motors.

MOTOR SELECTION

REQUEST FORM

PERSONALIZED MOTOR SELECTION CHARTS:

If needed, SIMU can provide personalized motor selection charts according to a selected motor range, the lath dimensions and weight, the typology of the roller tube and the selected fasteners.

You just need to fill out the following form and return it by email or fax:

Email : **service@simu.com**

fax : **+33 3 84 64 75 99**

**Fill out the following form and return it by email to:
service@simu.com**

PERSONALIZED SELECTION CHARTS - REQUEST FORM

DATE: _____ CUSTOMER ACCOUNT N°: _____ CONTACT: _____

COMPANY NAME: _____

ADDRESS: _____

POSTCODE : _____ CITY: _____

TYPE OF PRODUCT

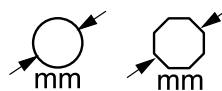
REF OF THE REQUEST: _____

TYPE: TRADITIONAL ☐ — RENOVATION ☐ — TUNNEL ☐ — COMBINED WINDOW SYSTEM ☐

TUBE

TUBE MODEL *: _____

EXTERNAL DIAMETER (mm): _____

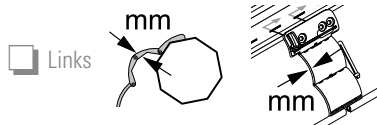


RIGID LINKS

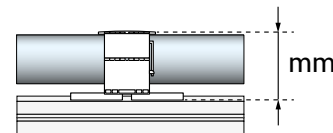
WITH RINGS: YES ☐ NO ☐

THICKNESS OF LINKS OR RINGS (mm) *: _____

HEIGHT OF LINKS (mm) *: _____



OR



SHUTTER

WEIGHT OF LATH: _____

WEIGHT OF SHUTTER (kg/m²) *: _____

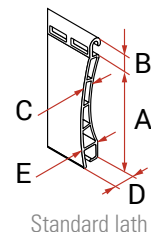
TYPE OF LATH: STANDARD ☐ STRAIGHT LATH ☐ ROUNDED LATH ☐

LATH DIMENSIONS (mm) : Module (A) in mm*: _____

Nominal thickness (B) in mm: _____

Thickness mini (C) in mm: _____

Lath thickness (D) in mm*: _____

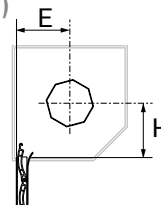


BOTTOM LATH *: HEIGHT (mm) : _____ WEIGHT (kg/ml) : _____

AXIS POSITIONING: depending on the top of the roller guides (optional)

E (in mm): _____

H (in mm): _____



MOTOR

Desired motor range(s)*: _____

ex : T3.5 - T5Hz - DMI - DMIHz - ZSP - AUTO - etc

CHOICE OF ABACUS

Nominal torque (default): ☐

max torque : ☐

EXPORT FILE FORMAT

PDF ☐

EXCEL ☐

CSV ☐

* Required fields

RANGE TABLES

WIRED AND RADIO MOTORS

WIRED MOTOR RANGE

		40 mm		50 mm		60 mm
		12/24V DC	230V AC	12/24V DC	230V AC	230V AC
WIRED 	PROGRESSIVE	X	X	X	X	X
	PROGRESSIVE DMI				X	X
	AUTO				X	
	AUTO+		X			
	AUTO+SHORT (short tube)				X	
	E				X	

INCLUDING

- PROGRESSIVE: Manual progressive limit switch setting with an adjustment tool.
- PROGRESSIVE DMI: equipped with a manual override built into the motor head.
- AUTO: Automatic electronic limit switch setting. The shutter must be equipped with high and low stop points.
- AUTO+: Automatic electronic limit switch setting. The shutter must be equipped with high and low stop points.
Unstressing function at the TOP and BOTTOM of the electronic limit switches to avoid damage to the units and forcing the apron.
- AUTO+SHORT: short motor version for narrow shutter.
- E (Electronic): 4 electronic limit switch setting modes possible, with a specific setting switch.

RADIO MOTOR RANGE

		40 mm		50 mm		60 mm
		12/24V DC	230V AC	230V AC	230V AC	230V AC
RADIO 	Hz	PROGRESSIVE DMI Hz.01		X	X	X
		RADIO Hz.02		X	X	X
		AUTOSHORT Hz (short tube)		X		
		E Hz		X		
	BHz*	AUTOSHORT BHz (short tube)		X		
		E BHz		X		

INCLUDING

- PROGRESSIVE DMI Hz.01: Manual progressive limit switch setting with an adjustment tool.
Equipped with a manual override.
- RADIO Hz.02: Manual electronic limit switch setting from a radio transmitter.
- AUTOSHORT Hz and BHz*: Automatic electronic limit switch setting. The shutter must be equipped with high and low stop points. Short motor version for narrow shutter.
- E Hz and E BHz* (Electronic): 4 electronic limit switch setting modes possible from the transmitter.

* WHAT IS SIMU-BHz?

NEW



This is the new radio range with information feedback developed by SIMU.

Thanks to the LiveIn2 app, I can see the position of my motorised shutters in BHz, from my smartphone, at home or on the move. I can also choose to set the opening of my shutter to the position I want!

MOTOR FUNCTIONS & SPECIFIC FEATURES

WIRED	LIMIT SWITCH SETTING	FUNCTIONS & SPECIFIC FEATURES
E motor	 4 setting modes	 
AUTO motor	 Automatic setting	 
AUTO+ motor	 Automatic setting	  
AUTO+SHORT motor	 Automatic setting	   
Progressive	 Manual progressive setting	
Progressive DMI	 Manual progressive setting	

RADIO	LIMIT SWITCH SETTING	FUNCTIONS & SPECIFIC FEATURES	OPTIONS
E motor 	 4 setting modes	  	 
AUTOSHORT motor 	 Automatic setting	   	 
RADIO Hz.02 motor 	 Manual setting from a transmitter		
Progressive DMI 	 Manual progressive setting		



4 electronic limit switch setting modes possible:
AUTOMATIC - SEMI AUTOMATIC HIGH - SEMI AUTOMATIC LOW - MANUAL



Automatic electronic limit switch setting.
The shutter must be equipped with high and low stop points.



Manual electronic limit switch setting from a radio transmitter.



Manual progressive limit switch setting with an adjustment tool.



STOP ON OBSTACLE



FROST DETECTION



INTERMEDIATE
POSITION



SHORT TUBE



UNSTRESSING



BHz INFORMATION
FEEDBACK *

NEW



DMI with manual override built into the motor head.



SIMU-Hz RADIO

MOTOR RANGE

SUMMARY TABLE

		DIRECT CURRENT MOTORS						
		Ø40		Ø50	Ø40			
		 RADIO	WIRED	WIRED	 RADIO	 RADIO	WIRED	
		AUTOSUN® 2 T3.5 E Hz DC p.28	T3.5 DC p.50	T5 DC p.56	T3.5 E BHz p.30	T3.5 Hz.02 p.36	T3.5 AUTO+ p.52	T3.5 p.54
POWER SUPPLY	230V~ - 50Hz				x	x	x	x
	120V~ - 60Hz					x		x
	12 VDC	x	x	x				
	24 VDC		x	x				
SPECIFICATION	Range of torque (Nm)	3 to 10	3 to 10	15 to 35	4 to 13	3 to 13	4 to 13	3 to 13
	Minimum Ø inside the tube (mm)	37	37	47	37	37	37	37
	Overall dimensions of the motor with adaptor mini/max (mm)	471	373	621	475/510	475/510	475/510	414/485
	Built-in manual override DMI							
	Parallel wiring				x	x	x**	
END-LIMIT SETTING	4 MODES from a transmitter	x			x			
	4 MODES from a specific setting switch							
	AUTOMATIC						x	
	MANUAL from a transmitter					x		
	MANUAL PROGRESSIVE with an adjustment tool		x	x				x
	UNSTRESSING function						x	
FUNCTIONS	Intermediate position 	x			x	x		
	Protection against frost 	x			x		x	
	Obstacle detection 	x			x		x	
LIVEIN2 	Liveln2 box (with information feedback) Liveln2 Scenario transmitter Liveln2 Outdoor sun sensor	x*			x*	x*		
	Transmitters BHz (without information feedback)				x			
	Transmitters SIMU-Hz / COLOR Multi / TIMER Easy & Multi	x				x		
	Sequential Hz transmitter / TSA+	x*				x*		
	Sun sensor Hz	x				x		
	Dry contact transmitter	x*				x*		
ACCESSORY COMPATIBILITY	Compatible with spring fasteners	x	x	x	x	x		x
	Compatible with locks	x	x	x	x	x	x	x
	Stops / Locks required						x	

x*: cannot be used for end-limit setting

ALTERNATIVE CURRENT MOTORS

Ø50											Ø60			
NEW Hz RADIO p.32 T5 E BHz p.34 T5 AUTOSHORT BHz		NEW Hz RADIO p.38 T5 E Hz p.42 T5 AUTOSHORT Hz		Hz RADIO with Built-in manual override p.40 T5 Hz.02 p.44 DMI 5 Hz.01		WIRED p.62 T5 AUTO p.60 T5 AUTO+SHORT p.58 T5 E p.64 T5 p.66 DMI 5					Hz RADIO p.46 T6 Hz.02	Hz RADIO with Built-in manual override p.48 DMI 6 Hz.01	WIRED p.68 T6	WIRED with Built-in manual override p.70 DMI 6
x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
				x	x				x	x	x	x	x	x
8 to 50	6	8 to 50	6	8 to 50	8 to 50	6 to 35	6	8 to 50	8 to 50	8 to 50	60 to 120	60 to 120	40 to 120	40 to 120
47	47	47	47	47	47	47	47	47	47	47	60	60	60	60
621/695	387	621/695	387	621/695	757/797	521/695	387	621/695	521/621	617	758	878	718	704
					x					x		x		x
x	x	x	x	x	x	x**	x**	x**			x	x		
x		x												
	x		x			x	x		x					
				x							x			
					x				x	x		x	x	x
							x							
x	x	x	x	x							x			
x	x	x	x			x	x	x						
x	x	x	x			x	x	x						
x*	x*	x*	x*	x*	x*						x*	x*		
x	x													
		x	x	x	x						x	x		
		x*	x*	x*	x*						x*	x*		
		x	x	x	x						x	x		
		x*	x*	x*	x*						x*	x*		
x		x		x	x			x	x	x	x	x	x	x
x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	x		x			x	x							

x** : 3 motors maximum in parallel per switch

AUTOSUN 2

SOLAR SOLUTION

AUTOSUN[®] 2

AUTONOMOUS MOTORIZATION SYSTEM

...for roof and facade roller shutters, operating with solar energy, a free, clean and renewable energy.

NO WIRING

...AUTOSUN 2 does not need to be connected neither to the electrical network nor to control points (SIMU-Hz radio technology), which means no degradation of interior walls.

OPTIMIZED OUTPUTS

...AUTOSUN 2 has been designed to run in most geographical area.

AUTONOMY OF THE SYSTEM

...**45 days without sun**, 2 cycles per day.

NEW:

A WIDE RANGE OF BATTERIES

A NEW BATTERY CHARGER

NEW MOTOR: T3.5 EHz DC

...with more intelligence, for a simple integration and installation! **(p. 28 and 29)**

...compatible with sequential & functional transmitters.



KIT (SOLAR PANEL, BATTERY, MOTOR)



The kit is made up of one motor, one solar panel and battery in alu cover (cable 60cm), and is delivered in a single packaging, to meet at best installer needs or for one renovation.

REFERENCES

PRODUCT	DESCRIPTION	REFERENCE x 1
T3.5 EHz DC 3/23 motor + battery in alu cover 60 cm + solar panel	T3.5EHZ 3/23 12V + KIT SOL EXT	2009398
T3.5 EHz DC 6/18 motor + battery in alu cover 60 cm + solar panel	T3.5EHZ 6/18 12V + KIT SOL EXT	2009399
T3.5 EHz DC 10/12 motor + battery in alu cover 60 cm + solar panel	T3.5EHZ 10/12 12V + KIT SOL EXT	2009400

SOLAR PANEL

- Solar panel in resin with fixing holes

- Aesthetic design

- 2 possible fixing:

- Directly on the roller shutter box by pop rivets
- On the inclined brackets, on the roller shutter box or on the wall to capture more sun.



- New solar panel in resin with adhesive

to stick it directly on the roller shutter box without making holes



TECHNICAL CHARACTERISTICS

MATERIAL resin panel

TYPE OF PANEL photovoltaics monocrystallin

PROTECTION INDEX IP X4

DELIVERED VOLTAGE 195.8 mA maxi.

POWER 3.2 W

TYPE OF CABLE Cable of 200mm with 2-point connector type Molex plug (male) and foam for impermeability

DIMENSIONS 470 x 60 x 6 mm

WEIGHT 230 g

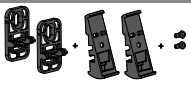
REFERENCES

DESCRIPTION	x 1	REFERENCE x 20	x 20
Solar panel with holes	9019032	9019031	9018382
Solar panel with adhesive	9020627	9020626	-

KIT REFERENCES (SOLAR PANEL + BATTERY)

PRODUCT	DESCRIPTION	REFERENCE x 1
Solar panel with holes (9019032) + battery with cable 30cm (9020634)	KIT SOLAR OUTDOOR 0.3M	9021214
Solar panel with holes (9019032) + battery with cable 60cm (9020635)	KIT SOLAR OUTDOOR 0.6M	9021215

SOLAR PANEL ACCESSORIES

PRODUCT	DESCRIPTION	REFERENCE x 1
	Solar panel bracket	9019683
	Extension cable for solar panel (5m)	9019722

AFTER SALES CABLE REFERENCES

PRODUCT	DESCRIPTION	REFERENCE x 1
	MOTOR cable: enable to keep the battery and the solar panel AUTOSUN 1 with one motor AUTOSUN 2	9020481
	BATTERY cable: enable to keep the motor and the solar panel AUTOSUN 1 with one battery AUTOSUN 2 keeping the motor and solar panel AUTOSUN 1	9020639

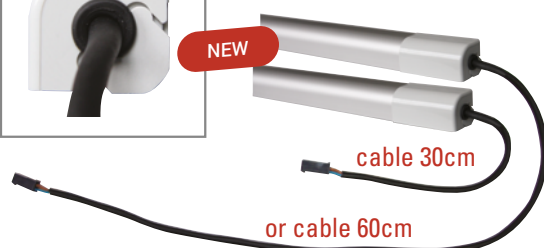
AUTOSUN® 2

BATTERIES

WIDE RANGE OF BATTERIES TO SUIT AT BEST ALL INSTALLATION



ALU STICK BATTERY QUARTER ROUND

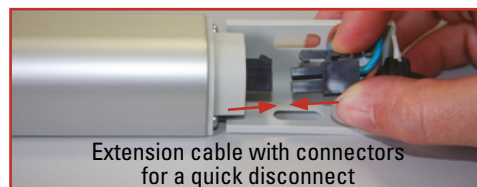
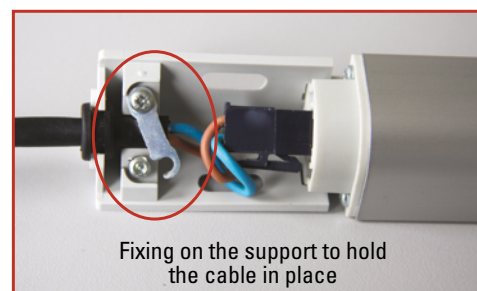
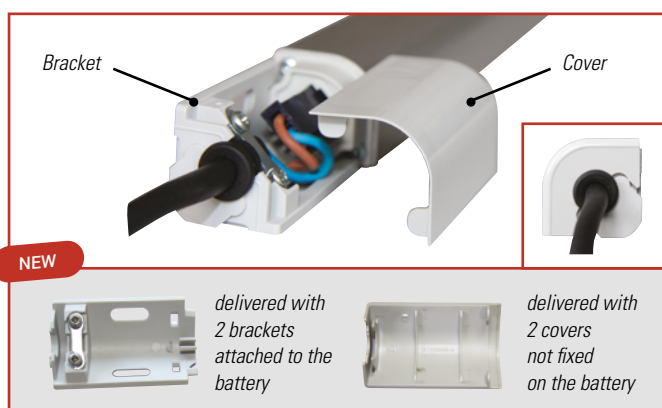


- **1 battery stick with alu cover** and its cable of 30cm.
- **1 battery stick with alu cover** and its cable of 60cm.

Batteries delivered with 2 brackets and 2 covers.
Fixing by pop rivet and by screws.



- **1 naked battery, without alu cover** and its cable of 25cm.
- Fixing by pop rivet of the specific brackets and elastics
to guarantee the fixing to be ordered separately.



EU



US

BATTERY CHARGER

- **New battery charger with 2 plugs:** one for the EU and another one for the US power supply

TECHNICAL CHARACTERISTICS

CLASS II double insulation

INTENSITY DELIVERED 800 mA maxi $\pm 10\%$

DIMENSIONS 118 x 62 x 35 mm

PROTECTION INDEX IP 30

INPUT VOLTAGE 100-240VCA $\pm 10\%$, 50/60Hz

BATTERY Ni-MH

CONNECTORS 2-point connector Molex (Male) type

REFERENCES

DESCRIPTION	REFERENCE x 1
Battery charger	9020638

AUTOSUN® 2

BATTERY INSTALLATION OUTSIDE OR INSIDE THE ROLLER SHUTTER BOX

INSTALLATION	ADVANTAGES	RECOMMENDED BATTERIES
BATTERY OUTSIDE THE ROLLER SHUTTER BOX: - Between the guide rail and the wall - Behind the Roller Shutter box	Easy access to the battery for resetting the system or replacement of the battery.	- Battery with alu cover and its cable of 30cm. Fixing with adhesive or brackets. - Battery with alu cover and its cable of 60cm. Fixing with adhesive or brackets.  
BATTERY INSIDE THE ROLLER SHUTTER BOX	Full integration in factory, nothing to do on site, the roller shutter is ready for use/installation on site.	- Battery with alu cover and its cable of 30cm. Fixing with adhesive or brackets. - Naked battery and its cable of 25cm. Fixing with specific brackets & elastics.  

TECHNICAL CHARACTERISTICS

BATTERY	Ni-MH
NOMINAL VOLTAGE	12V
CAPACITY	2.2 Ah
PROTECTION INDEX	IP X4
LIFETIME	± 8 years
DIMENSIONS & WEIGHT	naked battery 430 x 23.5mm - 520 gr battery stick 503 x 27 x 30mm with the cable of 0.3m - 755 gr battery stick 503 x 27 x 30mm with the cable of 0.6m - 773 gr

REFERENCES

DESCRIPTION	x 1	REFERENCE x 10	x 20
Naked battery	9020808	-	9020628
Battery stick + cable 30cm	9020634	9021212	-
Battery stick + cable 60cm	9020635	9021213	-

KIT REFERENCES (BATTERY + PANEL SOLAR)

PRODUCT	DESCRIPTION	REFERENCE x 1
Battery with cable 30cm (9020634) + Solar panel with holes (9019032)	KIT SOLAR OUTDOOR 0.3M	9021214
Battery with cable 60cm (9020635) + Solar panel with holes (9019032)	KIT SOLAR OUTDOOR 0.6M	9021215

BATTERY ACCESSORIES

PRODUCT	DESCRIPTION	x 1	REFERENCE x 40	x 200
	Bracket with elastic to fix naked battery	-	9020630	9020629
	Set of 2 wedges (dimension : 23x19mm) Alu stick battery	9020637	-	-
	Set of 20 adhesives (length x width = 550x15mm) Alu stick battery	9021216	-	-

T3.5 E Hz DC MOTOR

DIRECT CURRENT & RADIO ELECTRONIC, Ø 40 MM



SIMU-Hz
technology



LOW VOLTAGE POWER SUPPLY BY BATTERY...for wet areas or if there is no of power supply.

SIMU AUTOSUN 2 SOLUTION (p.24 - 27)

MOTOR WITH BUILT-IN SIMU-Hz RADIO RECEIVER

ELECTRONIC END-LIMIT SYSTEM

...4 possible setting modes of the end-limits (see below).

STOP ON OBSTACLE FUNCTION & FROST DETECTION FUNCTION

...the motor stops when opening if the shutter curtain is stuck in the guide rails by frost or if the bottom lath is locked.

INTERMEDIATE POSITION FUNCTION

...it is possible to record a user's favorite position.

NEW:

ADJUSTMENT OF THE END LIMIT WITH REDUCED SPEED

in manual mode to ease the setting.

SOFT START FUNCTION / SOFT STOP: the motor will start and stop slowly while reaching its UP and DOWN end-limits

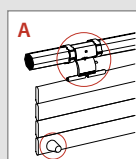
MOTOR SLEEPING AND WAKING UP MODES ARE DIRECTLY DONE FROM THE TRANSMITTER

...no need to have access to the battery. The motor will be woken up on site directly from the transmitter as well.

MOTOR CABLE, black BBF, 20 cm, 2 connectors 2 points with mistake-proofing for a direct connection to the battery and the solar panel.

COMPATIBILITY with sequential and functional transmitters.

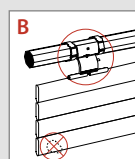
4 POSSIBLE SETTING MODES FROM A FUNCTIONAL TRANSMITTER



AUTOMATIC MODE

Shutters with locks and with stoppers

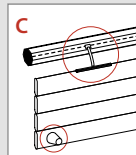
- automatic setting of the up limit position
- and automatic setting of the down limit position from the radio transmitter



SEMI-AUTOMATIC DOWN MODE

Shutters with locks and without stoppers

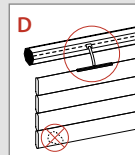
- automatic setting of the down limit position
- and manual setting of the up limit position from the radio transmitter



SEMI-AUTOMATIC UP MODE

Shutters without locks and with stoppers

- automatic setting of the up limit position
- and manual setting of the down limit position from the radio transmitter

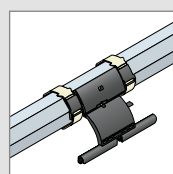


MANUAL MODE

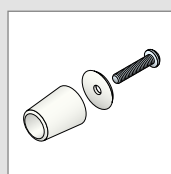
Shutters without locks and without stoppers

- manual setting of the up limit position from the radio transmitter
- and manual setting of the down limit position from the radio transmitter

RECOMMENDED EQUIPMENT FOR AUTOMATIC OR SEMI-AUTOMATIC MODE, UP OR DOWN



Locks



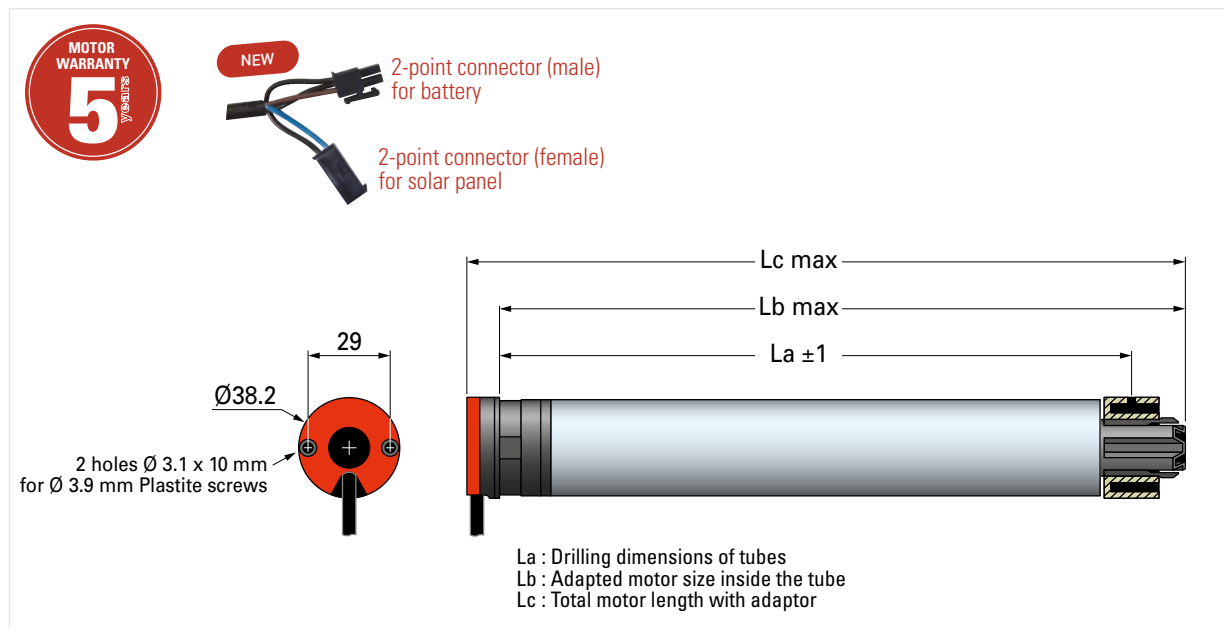
Conical stoppers
or stoppers
integrated into the
guide rails

RANGE

POWER SUPPLY 12 VDC, CABLE 0.2 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1	REFERENCE x 10	REFERENCE x 100
T3.5 EHz DC - 3/23	3 Nm	23 rpm	17 W	1,4 A	433 mm	457 mm	471 mm	0,77 kg	2009080	2009083	2009086
T3.5 EHz DC - 6/18	6 Nm	18 rpm	26 W	2,2 A	433 mm	457 mm	471 mm	0,8 kg	2009081	2009084	2009087
T3.5 EHz DC - 10/12	10 Nm	12 rpm	30 W	2,4 A	433 mm	457 mm	471 mm	0,8 kg	2009082	2009085	2009088

DIMENSIONS



SPECIFICATION

POWER SUPPLY 12 Volts (Ni-MH)

STANDBY POWER 4 mW

END-LIMIT Electronic system with operating limited to 3 min.

END-LIMIT READJUSTMENT every 60 cycles during 4 cycles

PROTECTION INDEX IP 44

POWER CABLE Long. 0.2 meters, 3x0.75 mm² wires, black H05 BBF with 2 connectors 2 points

RADIO FREQUENCY 433.42 MHz

SECURE COMMUNICATION Encrypted control orders

+ Rolling code with 16 million possible combinations

REMOTE CONTROL RANGE **wall remote control:** ~150m in open field and ~15m through 2 reinforced concrete walls

mobile transmitter: ~200m in open field and ~20m through 2 reinforced concrete walls

The range may vary depending on the environment and on the radio pollution.

MOTOR HEAD THICKNESS 14 mm

4 CYCLES PER DAY non consecutive

COMPLIANCE European standards (EN) + IEC standards (international standards)

& STANDARD  

T3.5 E BHz MOTOR

RADIO ELECTRONIC, Ø 40 MM

NEW



simu-BHz[®]
technology



WHAT IS SIMU-BHz ?

This is the new radio range with information feedback developed by SIMU (p.96).

MOTOR WITH BUILT-IN BIDIRECTIONAL RADIO SIMU-BHz

...a real time follow-up of your installation directly on smartphone with LiveIn².
The motor gives its position on your smartphone.

ELECTRONIC END-LIMIT SYSTEM

...4 possible setting modes of the end-limits (see below).

STOP ON OBSTACLE FUNCTION

...the motor stops during the closing in the case of an obstacle.

FROST DETECTION FUNCTION

...the motor stops during the opening if the shutter curtain is stuck in the guide rails by frost or if the bottom lath is locked.

INTERMEDIATE POSITION FUNCTION

...it is possible to record a user's favorite position.

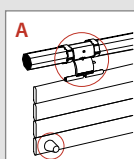
CLASSE II MOTOR

...no earth connexion required.

SIMPLE PROGRAMMING

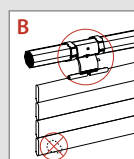
...SIMU-Hz/SIMU-BHz continuity: your installation and programming habits remain the same as those of SIMU-Hz technology.

4 POSSIBLE SETTING MODES FROM A FUNCTIONAL TRANSMITTER



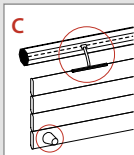
AUTOMATIC MODE

Shutters with locks and with stoppers
- automatic setting of the up limit position
- and automatic setting of the down limit position from the radio transmitter



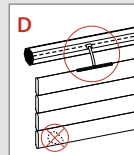
SEMI-AUTOMATIC DOWN MODE

Shutters with locks and without stoppers
- automatic setting of the down limit position
- and manual setting of the up limit position from the radio transmitter



SEMI-AUTOMATIC UP MODE

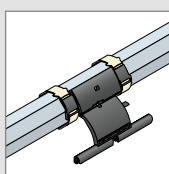
Shutters without locks and with stoppers
- automatic setting of the up limit position
- and manual setting of the down limit position from the radio transmitter



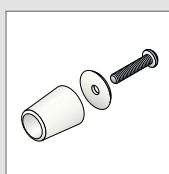
MANUAL MODE

Shutters without locks and without stoppers
- manual setting of the up limit position from the radio transmitter
- and manual setting of the down limit position from the radio transmitter

RECOMMENDED EQUIPMENT FOR AUTOMATIC OR SEMI-AUTOMATIC MODE, UP OR DOWN



Locks



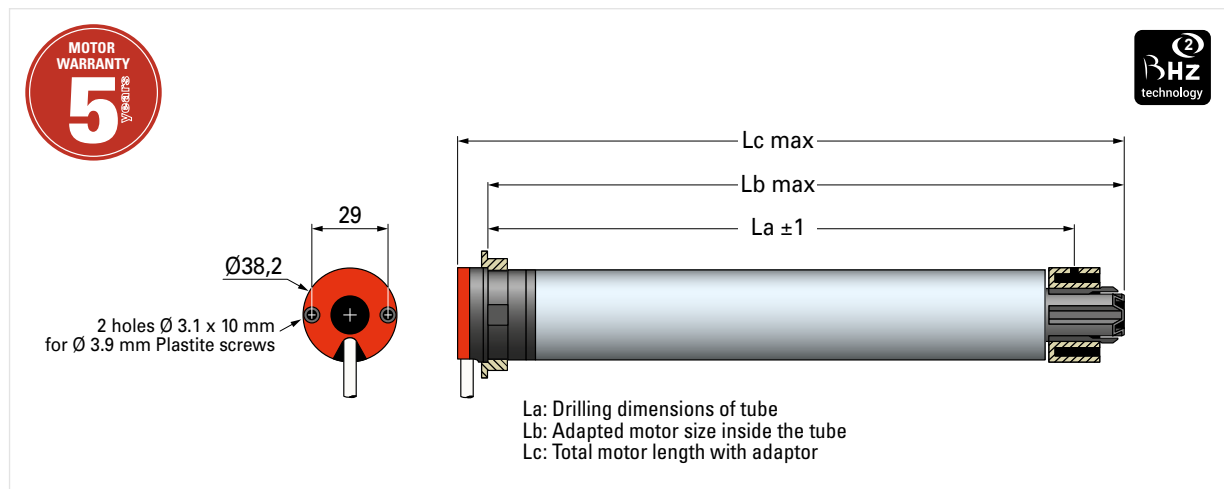
Conical stoppers
or stoppers
integrated into the
guide rails

RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 3 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCES x 1	REFERENCES x 10
T3.5EBHZ	4 Nm	16 rpm	80 W	0.39 A	437mm	460mm	475mm	1.08 kgs	2009220	2009217
T3.5EBHZ	9 Nm	16 rpm	110 W	0.52 A	472mm	495mm	510mm	1.15 kgs	2009221	2009218
T3.5EBHZ	13 Nm	10 rpm	110 W	0.52 A	472mm	495mm	510mm	1.15 kgs	2009222	2009219

DIMENSIONS



SPECIFICATION

- POWER SUPPLY** 230 Volt - 50 Hz
- THERMAL CUT-OUT** 4 minutes
- END-LIMIT** Electronic system with operating limited to 3 min.
- END-LIMIT READJUSTMENT** Every 60 cycles during 4 cycles
- PROTECTION INDEX** IP 44
- POWER CABLE** 3 meters (2x0,75 mm² wires , white H05 VVF).
- RADIO FREQUENCY** Tri-band radio frequency 868-870 MHz with possibility to edit 8 times the order.
- REMOTE CONTROL RANGE** **wall remote control:** ~150m in open field and ~15m through 2 reinforced concrete walls
mobile transmitter: ~200m in open field and ~20m through 2 reinforced concrete walls
The range may vary depending on the environment and on the radio pollution.
- 4 CYCLES PER DAY** Non consecutive
- INSULATION CLASS** Class II motor ☐
- COMPLIANCE** European standards (EN) – IEC standards (international standards)

CERTIFICATIONS  

STANDARD 

T5 E BHz MOTOR

RADIO ELECTRONIC, Ø 50 MM

NEW



simu-BHz[®]
technology



WHAT IS SIMU-BHz ?

This is the new radio range with information feedback developed by SIMU (p.96).

MOTOR WITH BUILT-IN BIDIRECTIONAL RADIO SIMU-BHz

...a real time follow-up of your installation directly on smartphone with Liveln²

The motor gives its position on your smartphone.

ELECTRONIC END-LIMIT SYSTEM

...4 possible setting modes of the end-limits (see below).

STOP ON OBSTACLE FUNCTION

...the motor stops during the closing in the case of an obstacle.

FROST DETECTION FUNCTION

...the motor stops during the opening if the shutter curtain is stuck in the guide rails by frost or if the bottom lath is locked.

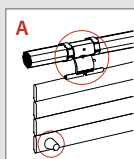
INTERMEDIATE POSITION FUNCTION

...it is possible to record a user's favorite position.

SIMPLE PROGRAMMING

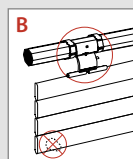
...SIMU-Hz/SIMU-BHz continuity: your installation and programming habits remain the same as those of SIMU-Hz technology.

4 POSSIBLE SETTING MODES FROM A FUNCTIONAL TRANSMITTER



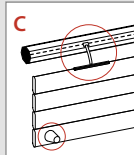
AUTOMATIC MODE

Shutters with locks and with stoppers
- automatic setting of the up limit position
- and automatic setting of the down limit position from the radio transmitter



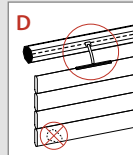
SEMI-AUTOMATIC DOWN MODE

Shutters with locks and without stoppers
- automatic setting of the down limit position
- and manual setting of the up limit position from the radio transmitter



SEMI-AUTOMATIC UP MODE

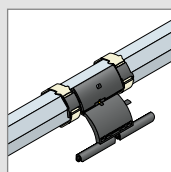
Shutters without locks and with stoppers
- automatic setting of the up limit position
- and manual setting of the down limit position from the radio transmitter



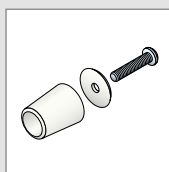
MANUAL MODE

Shutters without locks and without stoppers
- manual setting of the up limit position from the radio transmitter
- and manual setting of the down limit position from the radio transmitter

RECOMMENDED EQUIPMENT FOR AUTOMATIC OR SEMI-AUTOMATIC MODE, UP OR DOWN



Locks



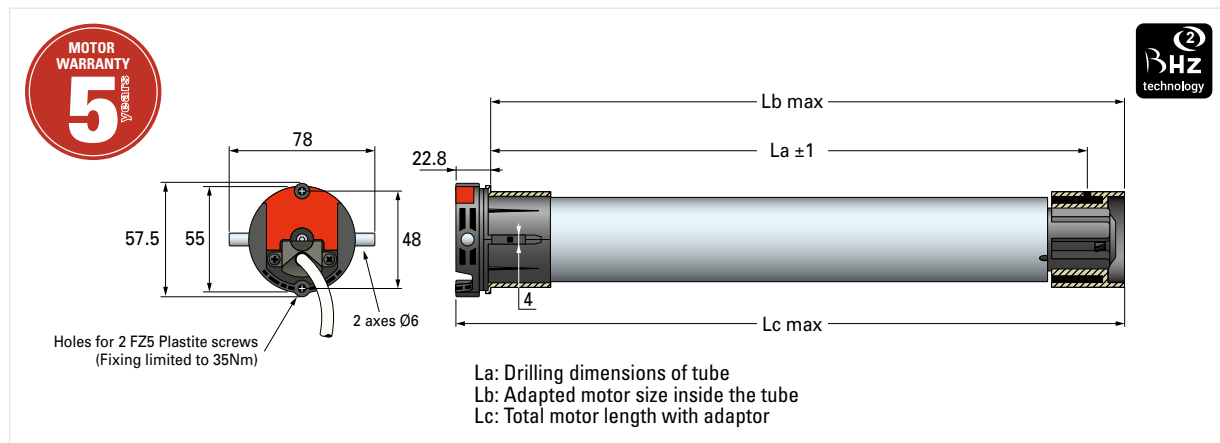
Conical stoppers
or stoppers
integrated into the
guide rails

RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	x 1	REFERENCES x 10	x 100
T5EBHZ	8 Nm	17 rpm	100 W	0.45 A	583mm	596mm	619mm	1.96 kgs	2009210	2009203	2009355
T5EBHZ	10 Nm	17 rpm	120 W	0.5 A	583mm	596mm	619mm	2.01 kgs	2009211	2009204	2009356
T5EBHZ	15 Nm	17 rpm	140 W	0.65 A	583mm	596mm	619mm	2.27 kgs	2009212	2009205	2009357
T5EBHZ	20 Nm	17 rpm	160 W	0.75 A	657mm	670mm	693mm	2.39 kgs	2009213	2009206	-
T5EBHZ	25 Nm	17 rpm	170 W	0.8 A	657mm	670mm	693mm	2.48 kgs	2009214	2009207	-
T5EBHZ	35 Nm	17 rpm	240 W	1.1 A	657mm	670mm	693mm	2.67 kgs	2009215	2009208	-
T5EBHZ	50 Nm	12 rpm	240 W	1.1 A	657mm	670mm	693mm	2.7 kgs	2009216	2009209	-

DIMENSIONS



SPECIFICATION

POWER SUPPLY 230 Volt - 50 Hz

THERMAL CUT-OUT 4 minutes

END-LIMIT Electronic system with operating limited to 3 minutes.

END-LIMIT READJUSTMENT Every 60 cycles during 4 cycles

PROTECTION INDEX IP 44

POWER CABLE 2.5 meters (3x0,75 mm² wires , white H05 VVF), pluggable.

RADIO FREQUENCY Tri-band radio frequency 868-870 MHz with possibility to edit 8 times the order.

REMOTE CONTROL RANGE **wall remote control:** ~150m in open field and ~15m through 2 reinforced concrete walls

mobile transmitter: ~200m in open field and ~20m through 2 reinforced concrete walls

The range may vary depending on the environment and on the radio pollution.

BASE DIAMETER OF THE CROWN for Ø50 x 1.5mm round tube

MOTOR HEAD THICKNESS 22.8mm

4 CYCLES PER DAY Non consecutive

INSULATION CLASS Class I motor

COMPLIANCE European standards (EN) – IEC standards (international standards)

CERTIFICATIONS  

STANDARD 

T5 AUTOSHORT BHz MOTOR

SHORT & RADIO ELECTRONIC, Ø 50 MM

NEW



simu-BHz
technology



WHAT IS SIMU-BHz ?

This is the new radio range with information feedback developed by SIMU (p.96).

MOTOR WITH BIDIRECTIONAL RADIO SIMU-BHz

...deported in the plate.

MOTOR SUITABLE FOR SHORT WIDTH ROLLER SHUTTER

...thanks to its length of only 387mm, including the adaptator.

STOP ON OBSTACLE FUNCTION

...the motor stops during the closing in the case of an obstacle.

FROST DETECTION FUNCTION

...the motor stops during the opening if the shutter curtain is stuck in the guide rails by frost or if the bottom lath is locked.

INTERMEDIATE POSITION FUNCTION

...it is possible to record a user's favorite position.

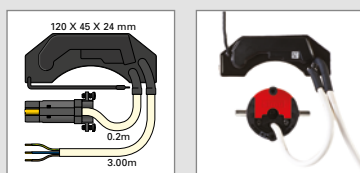
AUTOMATIC SETTING OF THE UP AND DOWN END-LIMITS

...the ruller shutter must be equipped with up and down stoppers.

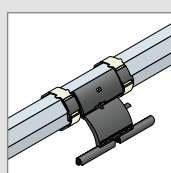
SIMPLE PROGRAMMING

...SIMU-Hz/SIMU-BHz continuity: your installation and programming habits remain the same as those of SIMU-Hz technology.

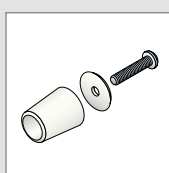
DEPORTED ELECTRONIC PLATE



REQUIRED EQUIPMENT



Locks



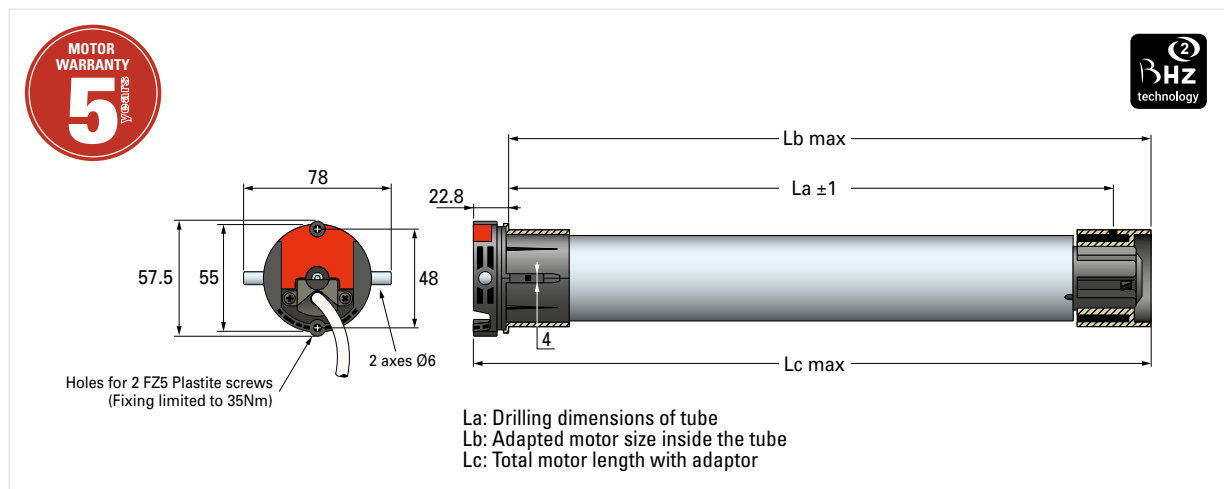
Conical stoppers
or stoppers
integrated into the
guide rails

RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 3 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCES x 1	REFERENCES x 10
T5 AUTOSHORT BHZ	6 Nm	17 rpm	90 W	0.4 A	351mm	364mm	387mm	1.63 kgs	2009224	2009223

DIMENSIONS



SPECIFICATION

POWER SUPPLY	230 Volt - 50 Hz
THERMAL CUT-OUT	4 minutes
END-LIMIT	Electronic system integrated is the deported plate with operating limited to 3 minutes. The readjustment is automatic and permanent.
PROTECTION INDEX	IP 44
POWER CABLE	3 meters (3x0,75 mm ² wires , white H05 VVF), pluggable.
RADIO FREQUENCY	Tri-band radio frequency 868-870 MHz with possibility to edit 8 times the order.
REMOTE CONTROL RANGE	wall remote control: ~150m in open field and ~15m through 2 reinforced concrete walls mobile transmitter: ~200m in open field and ~20m through 2 reinforced concrete walls The range may vary depending on the environment and on the radio pollution.
BASE DIAMETER OF THE CROWN	For Ø50 x 1.5mm round tube
MOTOR HEAD THICKNESS	22.8mm
4 CYCLES PER DAY	Non consecutive
INSULATION CLASS	Classe I
COMPLIANCE	European standards (EN) – IEC standards (international standards)

CERTIFICATIONS  

STANDARD 

T3.5 Hz02 MOTOR

RADIO ELECTRONIC, Ø 40 MM



SIMU-Hz
technology



MOTOR WITH BUILT-IN SIMU-Hz RADIO RECEIVER

ELECTRONIC END-LIMIT SYSTEM

REMOTE SETTING OF THE UP AND DOWN END-LIMITS

...from a SIMU-Hz transmitter (excepted a sequential Hz transmitter).

INTERMEDIATE POSITION FUNCTION

...it is possible to record a user's favorite position.

CLASS 2 MOTOR

...no earth connection required.

MOTOR PROTECTION

...if the crown does not turn, the motor stops itself.

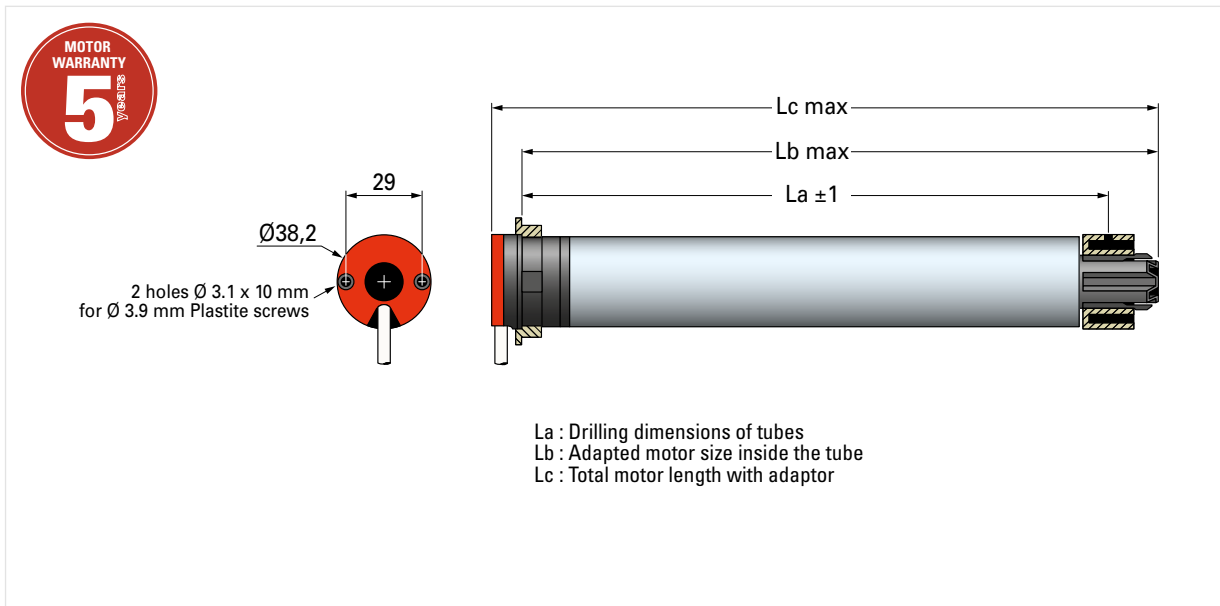
RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 3 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE		
									x 1	x 10	x 100
T3.5 Hz02 - 3/30	3 Nm	30 rpm	90 W	0,42 A	472 mm	495 mm	510 mm	1,17 kg	2008657	2008658	-
T3.5 Hz02 - 4/16	4 Nm	16 rpm	80 W	0,35 A	437 mm	460 mm	475 mm	1,11 kg	2008659	2008660	-
T3.5 Hz02 - 9/16	9 Nm	16 rpm	110 W	0,5 A	472 mm	495 mm	510 mm	1,28 kg	2008661	2008662	2008667
T3.5 Hz02 - 13/10	13 Nm	10 rpm	110 W	0,5 A	472 mm	495 mm	510 mm	1,28 kg	2008663	2008664	-

Other references are available. Consult us.

DIMENSIONS



SPECIFICATION

POWER SUPPLY 230 Volts - 50 Hz

THERMAL CUT-OUT 4 minutes

END-LIMIT Electronic system with operating limited to 3 min.

PROTECTION INDEX IP 44

POWER CABLE Cable white 3 meters (2x0.75mm² wires, white H05 VVF). But also version with black or white in 3, 5 and 10 meters for some torques. **Consult us.**

RADIO FREQUENCY 433.42 MHz

SECURE COMMUNICATION Encrypted control orders

+ Rolling code with 16 million possible combinations

REMOTE CONTROL RANGE **wall remote control:** ~150m in open field and ~15m through 2 reinforced concrete walls

mobile transmitter: ~200m in open field and ~20m through 2 reinforced concrete walls

The range may vary depending on the environment and on the radio pollution.

4 CYCLES PER DAY non consecutive

INSULATION CLASS Class II motor 

COMPLIANCE European standards (EN) + IEC standards (international standards)

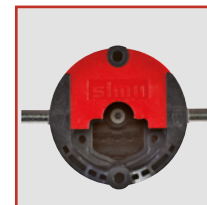
CERTIFICATIONS



& STANDARD 

T5 E Hz MOTOR

RADIO ELECTRONIC, Ø 50 MM



SIMU-Hz
technology



MOTOR WITH BUILT-IN SIMU-Hz RADIO RECEIVER

ELECTRONIC END-LIMIT SYSTEM

4 possible setting modes of the end-limits (see below).

STOP ON OBSTACLE FUNCTION

...the motor stops when closing in the case of an obstruction.

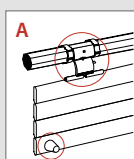
FROST DETECTION FUNCTION

...the motor stops when opening if the shutter curtain is stuck in the guide rails by frost or if the bottom lath is locked.

INTERMEDIATE POSITION FUNCTION

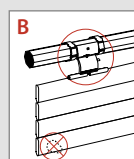
...It is possible to record a user's favorite position.

4 POSSIBLE SETTING MODES FROM A FUNCTIONAL TRANSMITTER



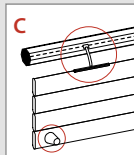
AUTOMATIC MODE

Shutters with locks and with stoppers
- automatic setting of the up limit position
- and automatic setting of the down limit position from the radio transmitter



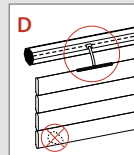
SEMI-AUTOMATIC DOWN MODE

Shutters with locks and without stoppers
- automatic setting of the down limit position
- and manual setting of the up limit position from the radio transmitter



SEMI-AUTOMATIC UP MODE

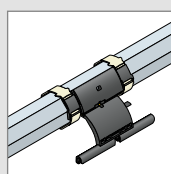
Shutters without locks and with stoppers
- automatic setting of the up limit position
- and manual setting of the down limit position from the radio transmitter



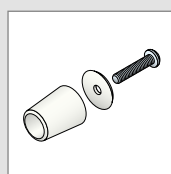
MANUAL MODE

Shutters without locks and without stoppers
- manual setting of the up limit position from the radio transmitter
- and manual setting of the down limit position from the radio transmitter

RECOMMENDED EQUIPMENT FOR AUTOMATIC OR SEMI-AUTOMATIC MODE, UP OR DOWN



Locks



Conical stoppers
or stoppers
integrated into the
guide rails

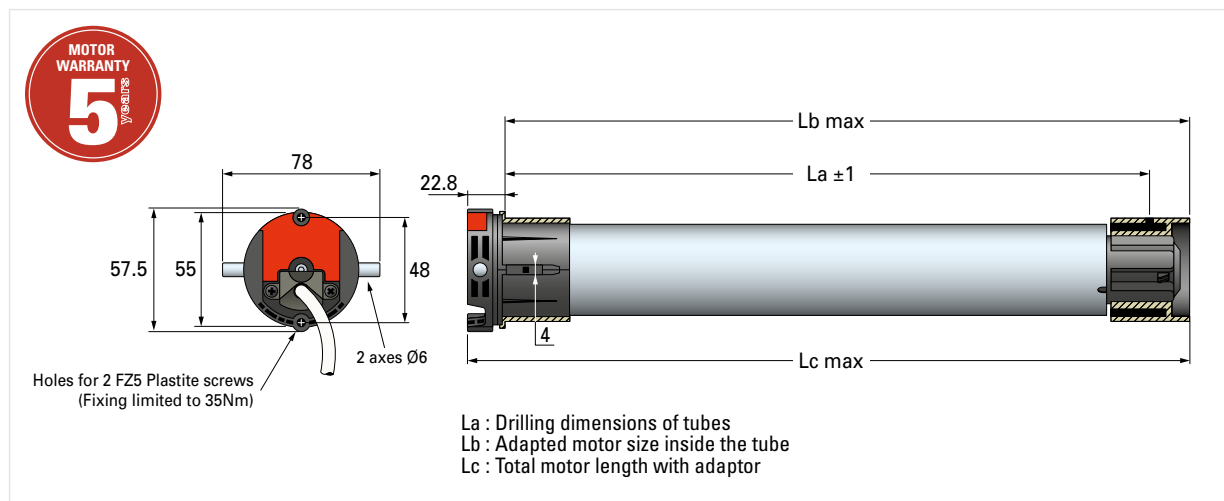
RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1	REFERENCE x 10
T5 E Hz - 8/17	8 Nm	17 rpm	100 W	0,45 A	583mm	596mm	619mm	1,96 kg	2005366	2005373
T5 E Hz - 10/17	10 Nm	17 rpm	120 W	0,5 A	583mm	596mm	619mm	2,01 kg	2005367	2005374
T5 E Hz - 15/17	15 Nm	17 rpm	140 W	0,65 A	583mm	596mm	619mm	2,27 kg	2005368	2005375
T5 E Hz - 20/17	20 Nm	17 rpm	160 W	0,75 A	657mm	670mm	693mm	2,39 kg	2005369	2005376
T5 E Hz - 25/17	25 Nm	17 rpm	170 W	0,8 A	657mm	670mm	693mm	2,48 kg	2005370	2005377
T5 E Hz - 35/17	35 Nm	17 rpm	240 W	1,1 A	657mm	670mm	693mm	2,67 kg	2005371	2005378
T5 E Hz - 50/12	50 Nm	12 rpm	240 W	1,1 A	657mm	670mm	693mm	2,7 kg	2005372	2005379

Other references are available in the list of references at the end of the catalog p.203

DIMENSIONS



SPECIFICATION

POWER SUPPLY	230 Volts - 50 Hz
THERMAL CUT-OUT	4 minutes
END-LIMIT	Electronic system with operating limited to 3 min.
END-LIMIT READJUSTMENT	every 60 cycles during 4 cycles
PROTECTION INDEX	IP 44
POWER CABLE	2.5 or 5 meters (3x0.75 mm ² wires, white H05 VVF), pluggable.
RADIO FREQUENCY	433.42 MHz
SECURE COMMUNICATION	Encrypted control orders + Rolling code with 16 million possible combinations
REMOTE CONTROL RANGE	wall remote control: ~150m in open field and ~15m through 2 reinforced concrete walls mobile transmitter: ~200m in open field and ~20m through 2 reinforced concrete walls The range may vary depending on the environment and on the radio pollution.
BASE DIAMETER OF THE CROWN	for Ø50 x 1.5 mm round tube
MOTOR HEAD THICKNESS	22.8 mm
4 CYCLES PER DAY	non consecutive
INSULATION CLASS	Class I motor
COMPLIANCE	European standards (EN) + IEC standards (international standards)

CERTIFICATIONS

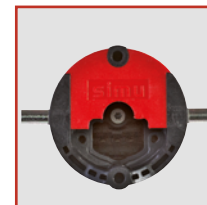


& STANDARD



T5 Hz02 MOTOR

RADIO ELECTRONIC, Ø 50 MM



SIMU-Hz
technology



MOTOR WITH BUILT-IN SIMU-Hz RADIO RECEIVER

ELECTRONIC END-LIMIT SYSTEM

REMOTE SETTING OF THE UP AND DOWN END-LIMITS

...from a SIMU-Hz transmitter (excepted a sequential Hz transmitter).

INTERMEDIATE POSITION FUNCTION

...It is possible to record a user's favorite position.

RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

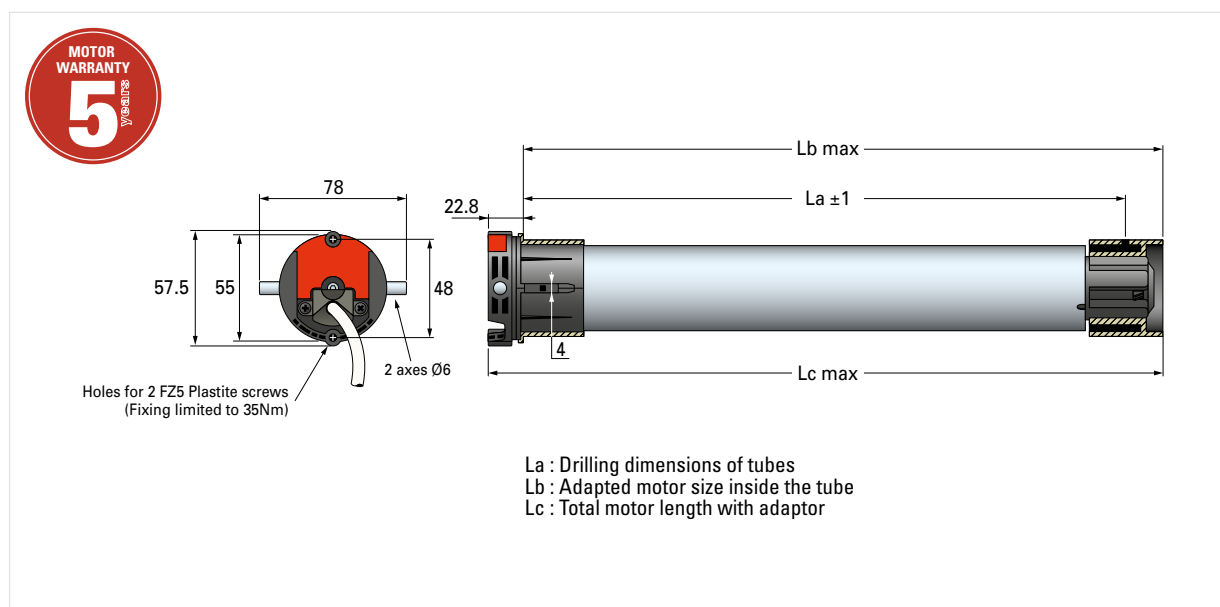
DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
T5 Hz02 - 8/17	8 Nm	17 rpm	100 W	0,45 A	583mm	596mm	619mm	1,96 kg	2004661
T5 Hz02 - 10/17	10 Nm	17 rpm	120 W	0,5 A	583mm	596mm	619mm	2,01 kg	2004662
T5 Hz02 - 15/17	15 Nm	17 rpm	140 W	0,65 A	583mm	596mm	619mm	2,27 kg	2004663
T5 Hz02 - 20/17	20 Nm	17 rpm	160 W	0,75 A	657mm	670mm	693mm	2,39 kg	2005093
T5 Hz02 - 25/17	25 Nm	17 rpm	170 W	0,8 A	657mm	670mm	693mm	2,48 kg	2004664
T5 Hz02 - 35/17	35 Nm	17 rpm	240 W	1,1 A	657mm	670mm	693mm	2,67 kg	2004665
T5 Hz02 - 50/12	50 Nm	12 rpm	240 W	1,1 A	657mm	670mm	693mm	2,7 kg	2004666

Other references are available in the list of references at the end of the catalog p.204

POWER SUPPLY 120V - 60 Hz, CABLE 2 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
T5 Hz02 - 10/12	10 Nm	12 rpm	80 W	0,7 A	583mm	596mm	619mm	2,25 kg	2006352
T5 Hz02 - 15/18	15 Nm	18 rpm	145 W	1,3 A	583mm	596mm	619mm	2,3 kg	2005133
T5 Hz02 - 20/12	20 Nm	12 rpm	130 W	1,1 A	583mm	596mm	619mm	2,3 kg	2006353
T5 Hz02 - 25/18	25 Nm	18 rpm	180 W	1,6 A	657mm	670mm	693mm	2,6 kg	2005134
T5 Hz02 - 30/12	30 Nm	12 rpm	170 W	1,5 A	657mm	670mm	693mm	2,6 kg	2005136
T5 Hz02 - 35/18	35 Nm	18 rpm	250 W	2,1 A	657mm	670mm	693mm	2,9 kg	2005135
T5 Hz02 - 50/12	50 Nm	12 rpm	250 W	2,1 A	657mm	670mm	693mm	2,9 kg	2005137

DIMENSIONS



SPECIFICATION

POWER SUPPLY	230 Volts - 50 Hz or 120 Volts - 60 Hz (US range)
THERMAL CUT-OUT	4 minutes (230V) or 5 minutes (120V)
END-LIMIT	Electronic system with operating limited to 3 min.
PROTECTION INDEX	IP 44
POWER CABLE 230V	2.5 or 5 meters (3x0.75mm ² wires, white H05 VVF), pluggable.
POWER CABLE 120V	2 meters (3xAWG19 wires, white 05 VVF), pluggable.
RADIO FREQUENCY	433.42 MHz
SECURE COMMUNICATION	Encrypted control orders + Rolling code with 16 million possible combinations
REMOTE CONTROL RANGE	wall remote control: ~150m in open field and ~15m through 2 reinforced concrete walls mobile transmitter: ~200m in open field and ~20m through 2 reinforced concrete walls The range may vary depending on the environment and on the radio pollution.
BASE DIAMETER OF THE CROWN	for Ø50 x 1.5 mm round tube
MOTOR HEAD THICKNESS	22.8 mm
4 CYCLES PER DAY	non consecutive
INSULATION CLASS	Class I motor
COMPLIANCE	European standards (EN) + IEC standards (international standards)
CERTIFICATIONS	  
& STANDARD	

T5 AUTOSHORT Hz MOTOR

SHORT & RADIO ELECTRONIC, Ø 50 MM



SIMU-Hz
technology



SIMU-Hz RADIO RECEIVER

...deported in the electronic plate.

AUTOMATIC SETTING OF THE UP AND DOWN END-LIMITS

...the roller shutter must be equipped with up and down stoppers.

MOTOR SUITABLE FOR SHORT WIDTH ROLLER SHUTTERS

...thanks to its length of only 387mm, including the adaptor.

STOP ON OBSTACLE FUNCTION

...the motor stops when closing in the case of an obstruction.

FROST DETECTION FUNCTION

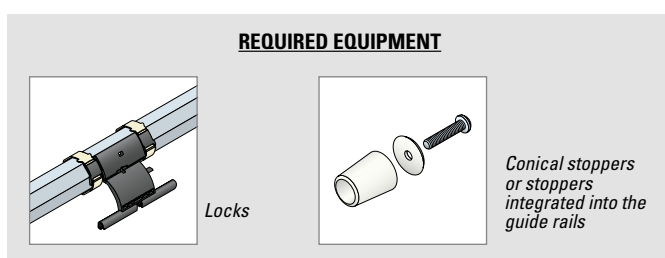
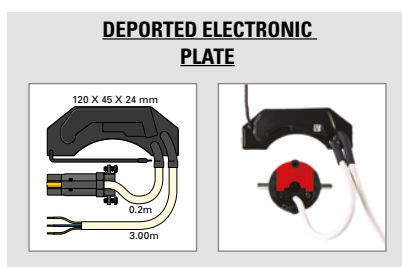
...the motor stops when opening if the shutter curtain is stuck in the guide rails by frost or if the bottom lath is locked.

INTERMEDIATE POSITION FUNCTION

...it is possible to record a user's favorite position.

PERMANENT READJUSTMENT OF END-LIMITS

...thanks to the self-learning and constant revising of the up and down end-limit positions. It adapts thus to the variations in length of the shutter curtain over time.

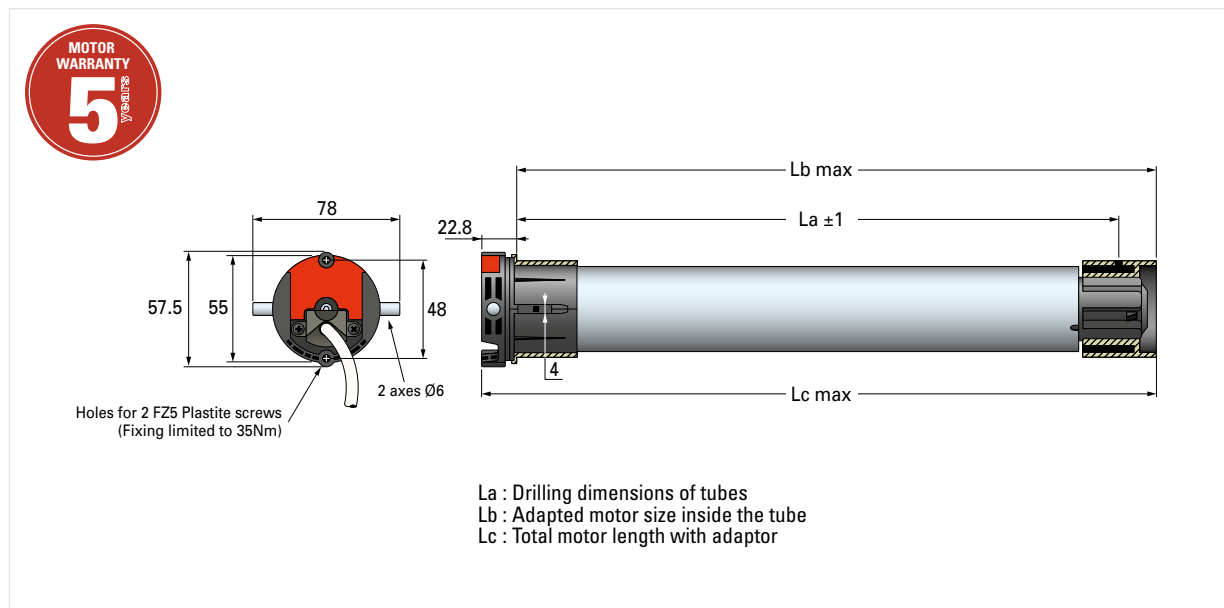


RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 3 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1	REFERENCE x 10
T5 AUTOSHORT Hz	6 Nm	17 rpm	90 W	0,4 A	351 mm	364 mm	387 mm	1,63 kg	2006744	2006745

DIMENSIONS

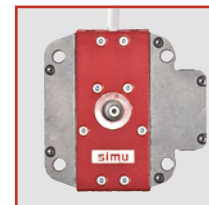


SPECIFICATION

POWER SUPPLY	230 Volts - 50 Hz
THERMAL CUT-OUT	4 minutes
END-LIMIT	Electronic system integrated in the deported plate with operating limited to 3min. The readjustement is automatic and permanent.
PROTECTION INDEX	IP 44
POWER CABLE	3 meters (3x0.75 mm ² wires, white H05 VVF), pluggable.
RADIO FREQUENCY	433.42 MHz
SECURE COMMUNICATION	Encrypted control orders + Rolling code with 16 million possible combinations
REMOTE CONTROL RANGE	wall remote control: ~150m in open field and ~15m through 2 reinforced concrete walls mobile transmitter: ~200m in open field and ~20m through 2 reinforced concrete walls The range may vary depending on the environment and on the radio pollution.
BASE DIAMETER OF THE CROWN	for Ø50 x 1.5 mm round tube
MOTOR HEAD THICKNESS	22.8 mm
4 CYCLES PER DAY	non consecutive
INSULATION CLASS	Class I motor
COMPLIANCE	European standards (EN) + IEC standards (international standards)
CERTIFICATIONS	 
& STANDARD	

DMI5 Hz01 MOTOR

RADIO, Ø 50 MM



simu-Hz
technology



MOTOR WITH BUILT-IN SIMU-Hz RADIO RECEIVER

BUILT-IN MANUAL OVERRIDE

PROGRESSIVE END-LIMIT SYSTEM

SETTING OF THE UP AND DOWN END-LIMITS ON THE MOTOR HEAD

...on either sides of the head.

COMPACT MOTOR HEAD

...only 24mm thickness

RANGE

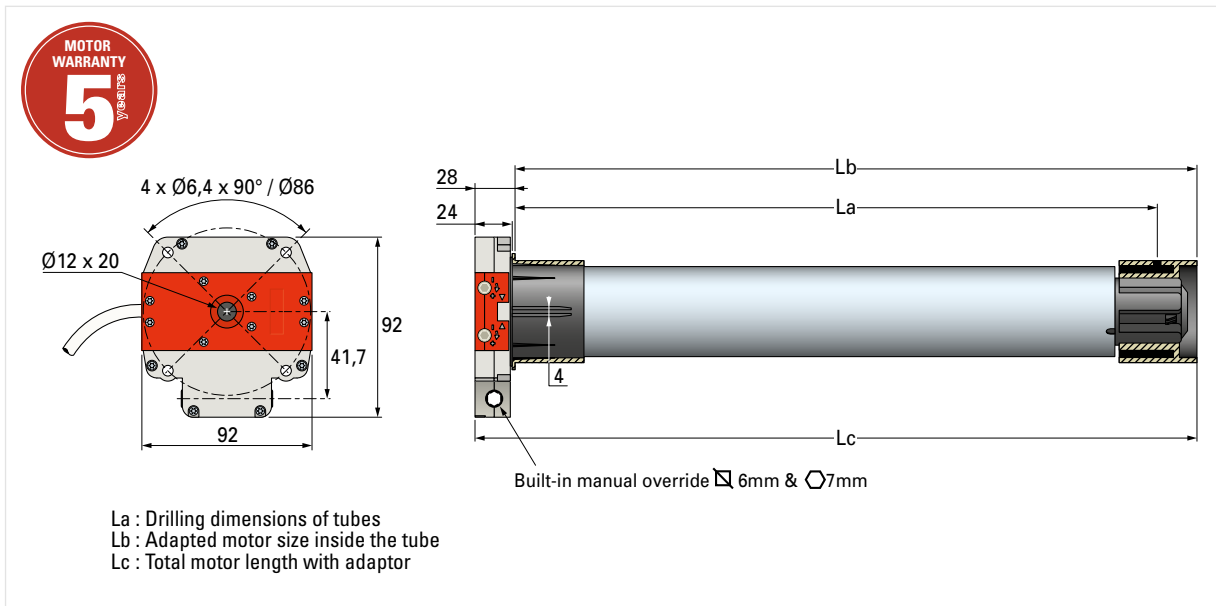
POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
DMI5 Hz01 - 10/17	10 Nm	17 rpm	120 W	0,5 A	716 mm	729 mm	757 mm	2,85 kg	2004667
DMI5 Hz01 - 25/17	25 Nm	17 rpm	170 W	0,8 A	716 mm	729 mm	757 mm	3,27 kg	2004668
DMI5 Hz01 - 35/17	35 Nm	17 rpm	240 W	1,1 A	756 mm	769 mm	797 mm	3,44 kg	2004669
DMI5 Hz01 - 50/12	50 Nm	12 rpm	240 W	1,1 A	756 mm	769 mm	797 mm	3,46 kg	2004670

POWER SUPPLY 120V - 60 Hz, CABLE 6 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
DMI5 Hz01 - 15/18	15 Nm	18 rpm	145 W	1,3 A	716 mm	729 mm	757 mm	3,91 kg	2004671
DMI5 Hz01 - 25/18	25 Nm	18 rpm	180 W	1,6 A	756 mm	769 mm	797 mm	4,15 kg	2004672
DMI5 Hz01 - 30/12	30 Nm	12 rpm	170 W	1,5 A	756 mm	769 mm	797 mm	4,2 kg	2004673
DMI5 Hz01 - 35/18	35 Nm	18 rpm	250 W	2,1 A	756 mm	769 mm	797 mm	4,3 kg	2004674
DMI5 Hz01 - 50/12	50 Nm	12 rpm	250 W	2,1 A	756 mm	769 mm	797 mm	4,4 kg	2004675

DIMENSIONS



SPECIFICATION

POWER SUPPLY	230 Volts - 50 Hz or 120 Volts - 60 Hz (US range)
THERMAL CUT-OUT	4 minutes (230V) or 5 minutes (120V)
PROGRESSIVE END-LIMIT	with a capacity of 28 rounds
REDUCING RATIO	of the manual override: 27/1
PROTECTION INDEX	IP 44
POWER CABLE 230V	2.5 meters (3x0,75 mm ² wires, white H05 VVF)
POWER CABLE 120V	6 meters (3xAWG19 wires, white SJTW + Plug Nema)
RADIO FREQUENCY	433.42 MHz
SECURE COMMUNICATION	Encrypted control orders + Rolling code with 16 million possible combinations
REMOTE CONTROL RANGE	wall remote control: ~150m in open field and ~15m through 2 reinforced concrete walls mobile transmitter: ~200m in open field and ~20m through 2 reinforced concrete walls The range may vary depending on the environment and on the radio pollution.
BASE DIAMETER OF THE CROWN	for Ø50 x 1.5 mm round tube
MOTOR HEAD THICKNESS	24 mm
4 CYCLES PER DAY	non consecutive
INSULATION CLASS	Class I motor
COMPLIANCE	European standards (EN) + IEC standards (international standards)
CERTIFICATIONS	   
& STANDARD	CE

T6 Hz02 MOTOR

RADIO ELECTRONIC, Ø 60 MM



SIMU-Hz
technology



MOTOR WITH BUILT-IN SIMU-Hz RADIO RECEIVER

ELECTRONIC END-LIMIT SYSTEM

REMOTE SETTING OF THE UP AND DOWN END-LIMITS

...from a SIMU-Hz transmitter (excepted a sequential Hz transmitter).

INTERMEDIATE POSITION FUNCTION

...it is possible to record a user's favorite position.

RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

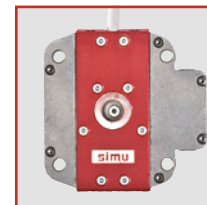
DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
T6 Hz02 - 60/12	60 Nm	12 rpm	240 W	1,05 A	716 mm	729 mm	758 mm	4,7 kg	2006372
T6 Hz02 - 80/12	80 Nm	12 rpm	290 W	1,25 A	716 mm	729 mm	758 mm	5 kg	2006373
T6 Hz02 - 100/12	100 Nm	12 rpm	350 W	1,5 A	716 mm	729 mm	758 mm	5,3 kg	2006374
T6 Hz02 - 120/12	120 Nm	12 rpm	400 W	1,8 A	716 mm	729 mm	758 mm	5,5 kg	2006375

POWER SUPPLY 120V - 60 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
T6 Hz02 - 60/14	60 Nm	14 rpm	285 W	2,5 A	716 mm	729 mm	758 mm	5 kg	2006060
T6 Hz02 - 80/14	80 Nm	14 rpm	390 W	3,4 A	716 mm	729 mm	758 mm	5,4 kg	2006061
T6 Hz02 - 100/14	100 Nm	14 rpm	430 W	3,8 A	716 mm	729 mm	758 mm	5,6 kg	2006062

DMI6 Hz01 MOTOR

RADIO, Ø 60 MM



simu-Hz
technology



MOTOR WITH BUILT-IN SIMU-Hz RADIO RECEIVER

BUILT-IN MANUAL OVERRIDE

PROGRESSIVE END-LIMIT SYSTEM

SETTING OF THE UP AND DOWN END-LIMITS ON THE MOTOR HEAD

...on either sides of the head.

COMPACT MOTOR HEAD

...only 24mm thickness.

RANGE

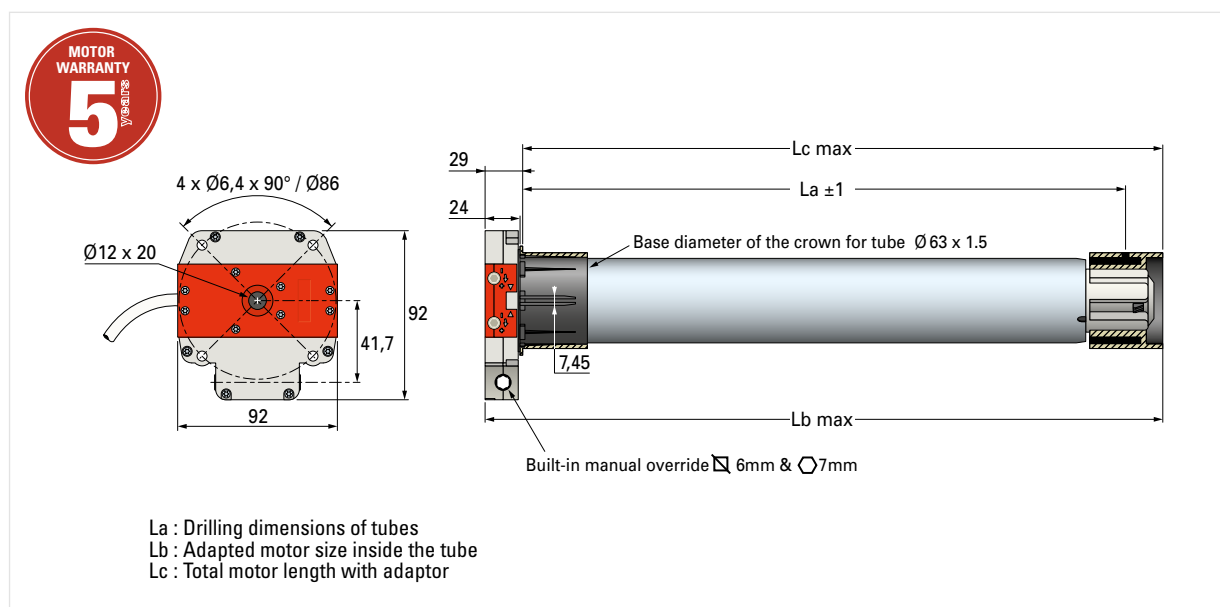
POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
DMI6 Hz01 - 60/12	60 Nm	12 rpm	240 W	1,05 A	836 mm	849 mm	878 mm	5,4 kg	2006376
DMI6 Hz01 - 80/12	80 Nm	12 rpm	290 W	1,25 A	836 mm	849 mm	878 mm	5,7 kg	2006377
DMI6 Hz01 - 100/12	100 Nm	12 rpm	350 W	1,5 A	836 mm	849 mm	878 mm	6 kg	2006378
DMI6 Hz01 - 120/12	120 Nm	12 rpm	400 W	1,8 A	836 mm	849 mm	878 mm	6,2 kg	2006379

POWER SUPPLY 120V - 60 Hz, CABLE 6 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
DMI6 Hz01 - 60/14	60 Nm	14 rpm	285 W	2,5 A	836 mm	849 mm	878 mm	5,8 kg	2007145
DMI6 Hz01 - 80/14	80 Nm	14 rpm	390 W	3,4 A	836 mm	849 mm	878 mm	6,1 kg	2007146
DMI6 Hz01 - 100/14	100 Nm	14 rpm	430 W	3,8 A	836 mm	849 mm	878 mm	6,4 kg	2007156

DIMENSIONS



SPECIFICATION

POWER SUPPLY	230 Volts - 50 Hz or 120 Volts - 60 Hz (US range)
THERMAL CUT-OUT	4 minutes (230V) or 5 minutes (120V)
PROGRESSIVE END-LIMIT	with a capacity of 28 rounds
REDUCING RATIO	of the manual override: 55/1
PROTECTION INDEX	IP 44
POWER CABLE 230V	2.5 meters (3x0,75 mm ² wires, white H05 VVF)
POWER CABLE 120V	6 meters (3xAWG18 wires, white SJTW + Plug Nema)
RADIO FREQUENCY	433.42 MHz
SECURE COMMUNICATION	Encrypted control orders + Rolling code with 16 million possible combinations
REMOTE CONTROL RANGE	wall remote control: ~150m in open field and ~15m through 2 reinforced concrete walls mobile transmitter: ~200m in open field and ~20m through 2 reinforced concrete walls The range may vary depending on the environment and on the radio pollution.
BASE DIAMETER OF THE CROWN	for Ø63 x 1.5 mm round tube
MOTOR HEAD THICKNESS	24 mm
4 CYCLES PER DAY	non consecutive
INSULATION CLASS	Class I motor
COMPLIANCE	European standards (EN) + IEC standards (international standards)
CERTIFICATIONS	   
& STANDARD	

T3.5 DC MOTOR

DIRECT CURRENT WIRED, Ø 40 MM



SELV LOW VOLTAGE POWER SUPPLIED BY BATTERY OR NETWORK + TRANSFORMER

...for wet areas or if there is no of power supply.

PROGRESSIVE END-LIMIT SYSTEM

SETTING OF THE UP AND DOWN END-LIMITS ON THE MOTOR HEAD

EASY WIRING

...no earth connection required.

RANGE

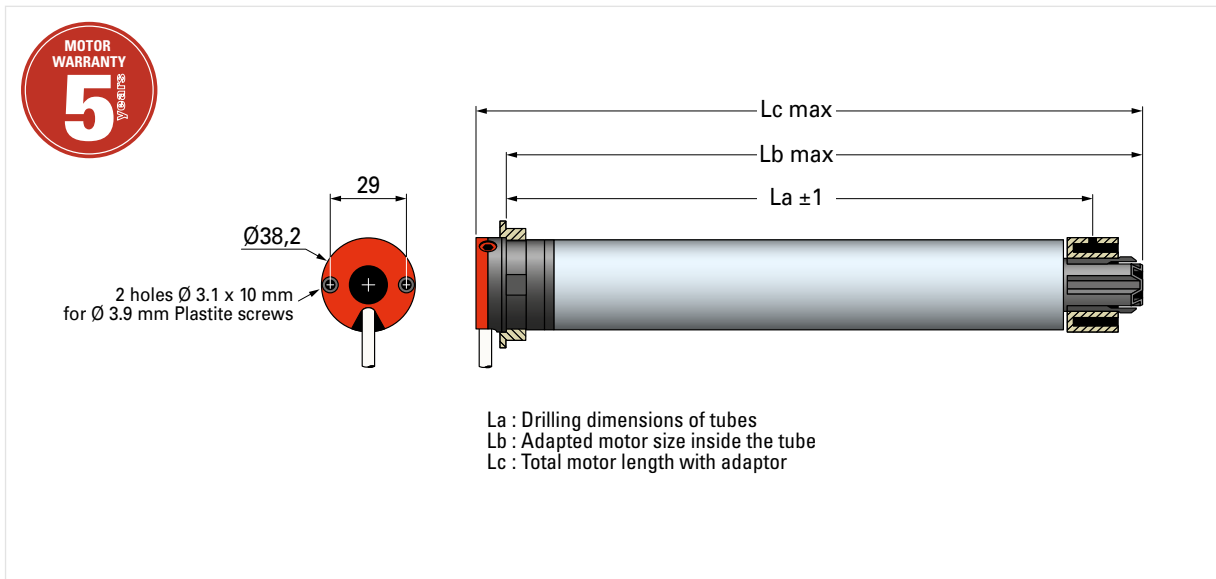
POWER SUPPLY 12 VDC, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1	REFERENCE x 10
T3.5 DC - 3/23	3 Nm	23 rpm	17 W	1,4 A	335 mm	359 mm	373 mm	0,82 kg	2006973	2006979
T3.5 DC - 6/18	6 Nm	18 rpm	26 W	2,2 A	335 mm	359 mm	373 mm	0,85 kg	2006975	2006981
T3.5 DC - 10/12	10 Nm	12 rpm	30 W	2,4 A	335 mm	359 mm	373 mm	0,85 kg	2006977	2006983

POWER SUPPLY 24 VDC, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1	REFERENCE x 10
T3.5 DC - 3/28	3 Nm	28 rpm	22 W	0,9 A	335 mm	359 mm	373 mm	0,82 kg	2006974	2006980
T3.5 DC - 6/18	6 Nm	18 rpm	26 W	1,05 A	335 mm	359 mm	373 mm	0,85 kg	2006976	2006982
T3.5 DC - 10/12	10 Nm	12 rpm	29 W	1,2 A	335 mm	359 mm	373 mm	0,85 kg	2006978	2006984

DIMENSIONS



SPECIFICATION

POWER SUPPLY	12 VDC ±3V or 24 VDC ±6V
PROGRESSIVE END-LIMIT	with a capacity of 40 rounds
PROTECTION INDEX	IP 44
POWER CABLE	2.5 meters (2x0,75 mm ² wires, white H05 VVF)
OPERATING TIME OF THE MOTOR	limited to 5 min./hour
MOTOR HEAD THICKNESS	14 mm
4 CYCLES PER DAY	non consecutive
COMPLIANCE & STANDARD	European standards (EN) + IEC standards (international standards) CE

T3.5 AUTO+ MOTOR

WIRED ELECTRONIC, Ø 40 MM

NEW



AUTOMATIC SETTING OF THE UP AND DOWN END-LIMITS

...the roller shutter must be equipped with up and down stoppers.

AN AUTO-ADAPTIVE DISTRESSING FUNCTION AT END-LIMITS (UP & DOWN)

...to suit all end-products. **PATENTED SYSTEM**

STOP ON OBSTACLE FUNCTION

...the motor stops when closing in the case of an obstruction.

FROST DETECTION FUNCTION

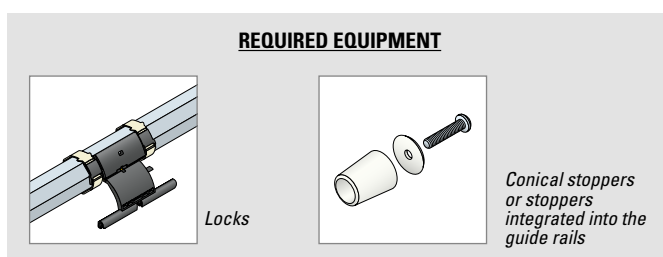
...the motor stops when opening if the shutter curtain is stuck in the guide rails by frost or if the bottom lath is locked.

PERMANENT READJUSTMENT OF END-LIMITS

...thanks to the self-learning and constant revising of the up and down end-limit positions. It adapts thus to the variations in length of the shutter curtain over time.

CLASS 2 MOTOR

...no earth connection required.

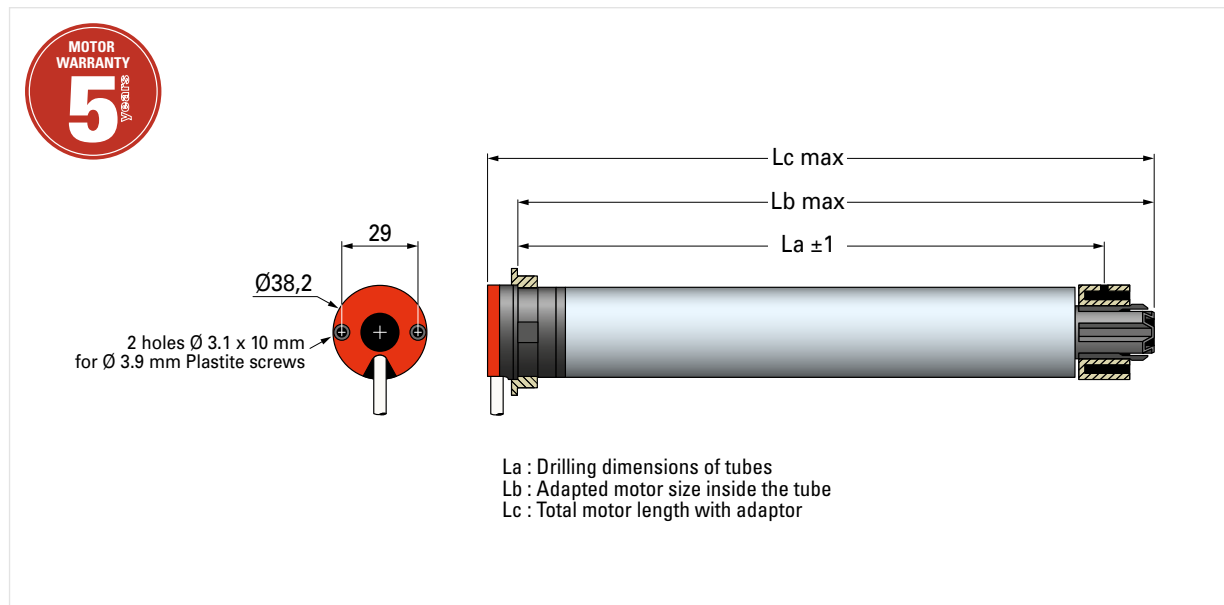


RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1	REFERENCE x 10
T3.5 AUTO+ 4/16	4 Nm	16 rpm	100 W	0.39 A	450mm	473mm	488mm	1.03 kg	2009383	2009380
T3.5 AUTO+ 9/16	9 Nm	16 rpm	110 W	0.52 A	472mm	495mm	510mm	1.20 kg	2009384	2009381
T3.5 AUTO+ 13/10	13 Nm	10 rpm	110 W	0.52 A	472mm	495mm	510mm	1.23 kg	2009385	2009382

DIMENSIONS



SPECIFICATION

POWER SUPPLY	230 Volts - 50 Hz
THERMAL CUT-OUT	4 minutes
END-LIMIT	Electronic system with operating limited to 3 min. The readjustment is automatic and permanent.
PROTECTION INDEX	IP 44
POWER CABLE	2.5 meters (3x0,75 mm ² wires, white H03 VVF)
MOTOR HEAD THICKNESS	14 mm
4 CYCLES PER DAY	non consecutive
INSULATION CLASS	Class II motor 
COMPLIANCE	European standards (EN) + IEC standards (international standards)
CERTIFICATIONS	 
& STANDARD	

T3.5 MOTOR

WIRED, Ø 40 MM



PROGRESSIVE END-LIMIT SYSTEM

SETTING OF THE UP AND DOWN END-LIMITS ON THE MOTOR HEAD

CLASS 2 MOTOR

...no earth connection required.

RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

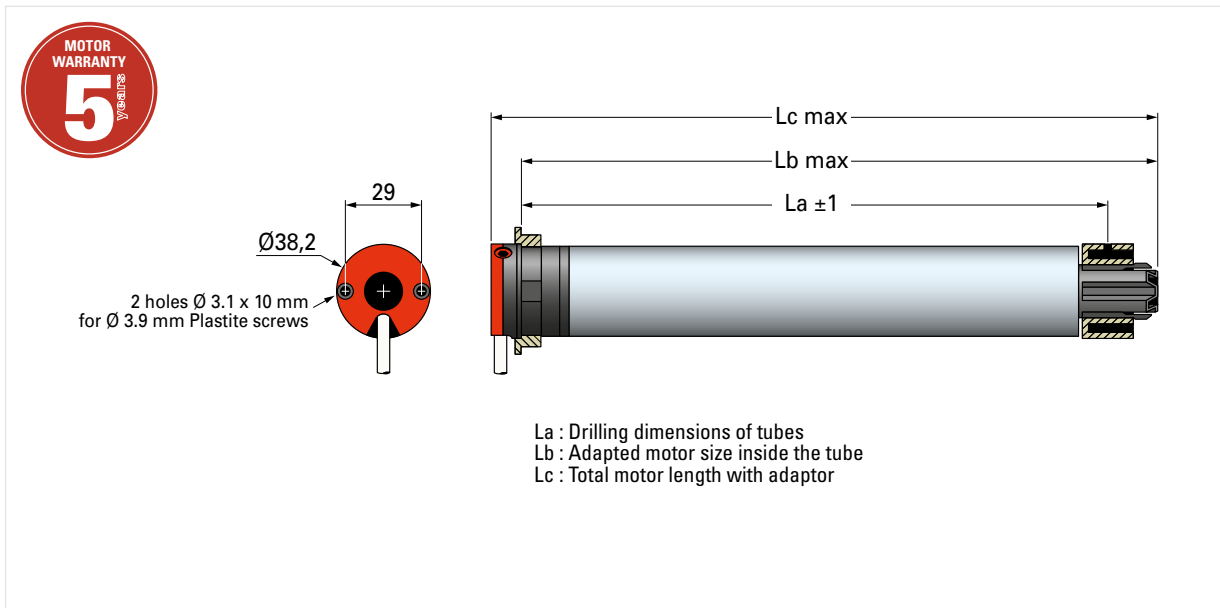
DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
T3.5 - 3/30	3 Nm	30 rpm	90 W	0,42 A	448 mm	471 mm	485 mm	0,42 kg	2008671
T3.5 - 4/16	4 Nm	16 rpm	80 W	0,39 A	377 mm	400 mm	414 mm	0,85 kg	2008672
T3.5 - 6/16	6 Nm	16 rpm	90 W	0,42 A	448 mm	471 mm	485 mm	1,10 kg	2008673
T3.5 - 9/16	9 Nm	16 rpm	110 W	0,52 A	448 mm	471 mm	485 mm	1,05 kg	2008674
T3.5 - 13/10	13 Nm	10 rpm	110 W	0,52 A	448 mm	471 mm	485 mm	1,05 kg	2008675

Other references are available. Consult us.

POWER SUPPLY 120V - 60 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
T3.5 - 4/36	4 Nm	36 rpm	110 W	0,90 A	448 mm	471 mm	485 mm	1,05 kg	2008682
T3.5 - 9/18	9 Nm	18 rpm	130 W	1,05 A	448 mm	471 mm	485 mm	1,05 kg	2008684

DIMENSIONS



SPECIFICATION

- POWER SUPPLY** 230 Volts - 50 Hz or 120 Volts - 60 Hz (US range)
- THERMAL CUT-OUT** 4 minutes (230V) or 5 minutes (120V)
- PROGRESSIVE END-LIMIT** with a capacity of 40 rounds
(excepted for the 4/16 = capacity of 20 rounds)
- PROTECTION INDEX** IP 44
- POWER CABLE 230 V** Cable white 2.5 meters (3x0.75mm² wires, white H05 VVF). But also version with black or white in 6.5 and 10 meters for some torques.
Consult us.
- POWER CABLE 120 V** 2.5 meters (3xAWG19 wires, white 05 VVF)
- MOTOR HEAD THICKNESS** 14 mm
- 4 CYCLES PER DAY** non consecutive
- INSULATION CLASS** Classe II motor 
- COMPLIANCE** European standards (EN) + IEC standards (international standards)
- CERTIFICATIONS**  
- & STANDARD** 

T5 DC MOTOR

DIRECT CURRENT WIRED, Ø 50 MM



SELV LOW VOLTAGE POWER SUPPLIED BY BATTERY OR NETWORK + TRANSFORMER
...for wet areas or if there is no of power supply.

PROGRESSIVE END-LIMIT SYSTEM

SETTING OF THE UP AND DOWN END-LIMITS ON THE MOTOR HEAD

EASY WIRING

...no earth connection required.

RANGE

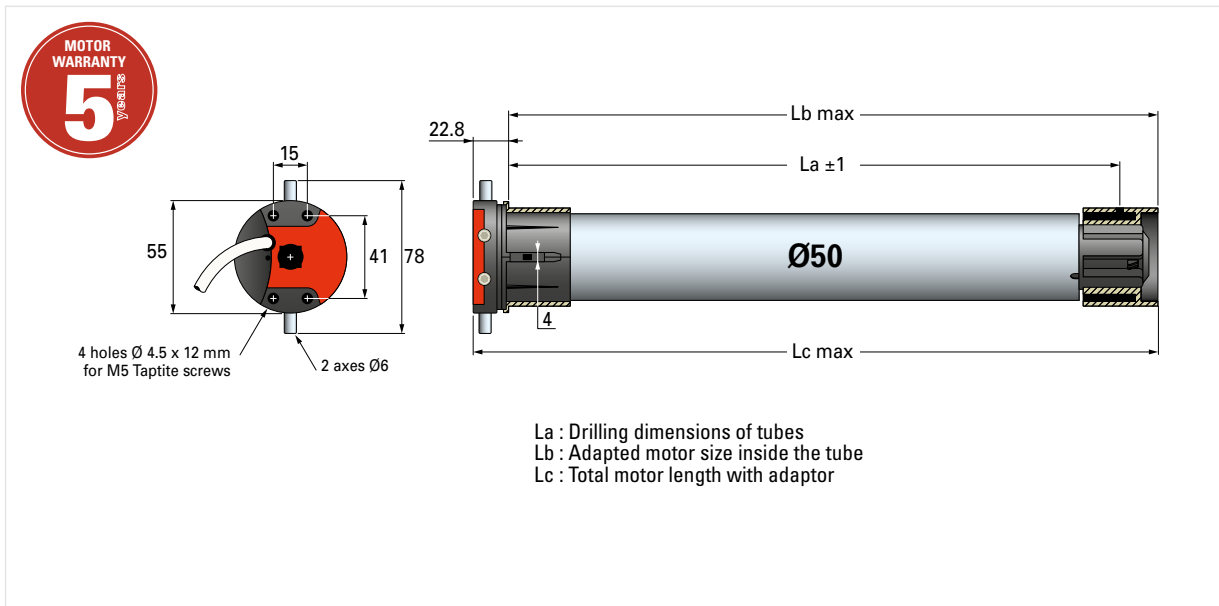
POWER SUPPLY 12 VDC, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1	REFERENCE x 10
T5 - 15/17	15 Nm	17 rpm	61 W	5 A	585 mm	598 mm	621 mm	1,8 kg	2004492	2008905
T5 - 20/12	20 Nm	12 rpm	59 W	4,6 A	585 mm	598 mm	621 mm	1,81 kg	2004493	2008906
T5 - 35/07	35 Nm	7 rpm	58 W	4,3 A	585 mm	598 mm	621 mm	1,84 kg	2004494	2008907

POWER SUPPLY 24 VDC, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
T5 - 15/17	15 Nm	17 rpm	62 W	2,3 A	585 mm	598 mm	621 mm	1,8 kg	2004495
T5 - 20/12	20 Nm	12 rpm	62 W	2,2 A	585 mm	598 mm	621 mm	1,81 kg	2004496
T5 - 35/07	35 Nm	7 rpm	55 W	2,1 A	585 mm	598 mm	621 mm	1,84 kg	2004497

DIMENSIONS



SPECIFICATION

POWER SUPPLY	12 VDC ±3V or 24 VDC ±6V
PROGRESSIVE END-LIMIT	with a capacity of 28 rounds
PROTECTION INDEX	IP 44
POWER CABLE	2.5 meters (2x0,75 mm ² wires, white H05 VVF)
BASE DIAMETER OF THE CROWN	for Ø50 x 1.5 mm round tube
MOTOR HEAD THICKNESS	22.8 mm
4 CYCLES PER DAY	non consecutive
COMPLIANCE	European standards (EN) + IEC standards (international standards)



T5 E MOTOR

WIRED ELECTRONIC, Ø 50 MM



ELECTRONIC END-LIMIT SYSTEM

4 possible setting modes of the end-limits (see below).

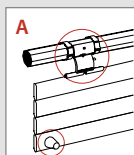
STOP ON OBSTACLE FUNCTION

...the motor stops when closing in the case of an obstruction.

FROST DETECTION FUNCTION

...the motor stops when opening if the shutter curtain is stuck in the guide rails by frost or if the bottom lath is locked.

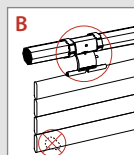
4 POSSIBLE SETTING MODES



AUTOMATIC MODE

Shutters **with** locks and **with** stoppers

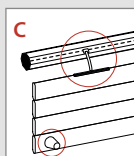
- automatic setting of the up limit position
- and automatic setting of the down limit position from the specific setting switch.



SEMI-AUTOMATIC DOWN MODE

Shutters **with** locks and **without** stoppers

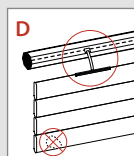
- automatic setting of the down limit position
- and manual setting of the up limit position from the specific setting switch.



SEMI-AUTOMATIC UP MODE

Shutters **without** locks and **with** stoppers

- automatic setting of the up limit position
- and manual setting of the down limit position from the specific setting switch

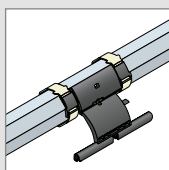


MANUAL MODE

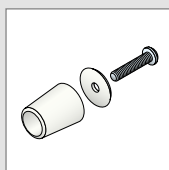
Shutters **without** locks and **without** stoppers

- manual setting of the up limit position from the specific setting switch
- and manual setting of the down limit position from the specific setting switch

RECOMMENDED EQUIPMENT FOR AUTOMATIC OR SEMI-AUTOMATIC MODE, UP OR DOWN



Locks



Conical stoppers
or stoppers
integrated into the
guide rails

SPECIFIC SETTING SWITCH



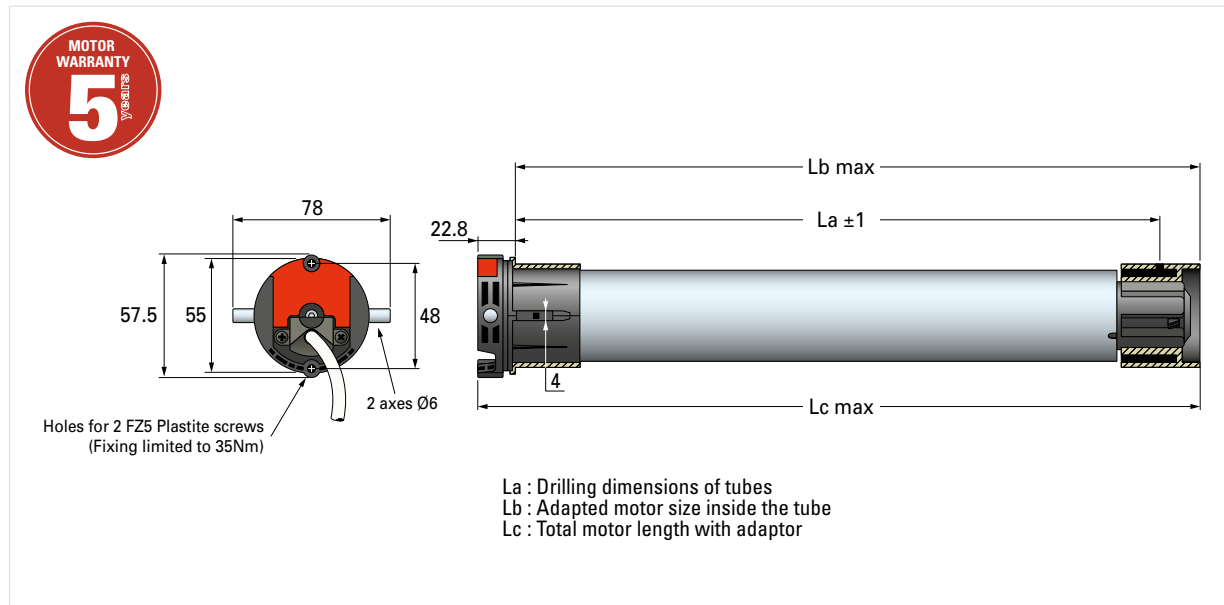
RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1	REFERENCE x 10
T5 E - 8/17	8 Nm	17 rpm	100 W	0,45 A	583mm	596mm	619mm	1,96 kg	2005780	2005787
T5 E - 10/17	10 Nm	17 rpm	120 W	0,5 A	583mm	596mm	619mm	2,01 kg	2005781	2005788
T5 E - 15/17	15 Nm	17 rpm	140 W	0,65 A	583mm	596mm	619mm	2,27 kg	2005782	2005789
T5 E - 20/17	20 Nm	17 rpm	160 W	0,75 A	657mm	670mm	693mm	2,39 kg	2005783	2005790
T5 E - 25/17	25 Nm	17 rpm	170 W	0,8 A	657mm	670mm	693mm	2,48 kg	2005784	2005791
T5 E - 35/17	35 Nm	17 rpm	240 W	1,1 A	657mm	670mm	693mm	2,67 kg	2005785	2005792
T5 E - 50/12	50 Nm	12 rpm	240 W	1,1 A	657mm	670mm	693mm	2,7 kg	2005786	2005793

Other references are available in the list of references at the end of the catalog p.206, for cables 5 meters (x1 and x10) and without pin.

DIMENSIONS



SPECIFICATION

POWER SUPPLY 230 Volts - 50 Hz

THERMAL CUT-OUT 4 minutes

END-LIMIT Electronic system with operating limited to 3 min.

END-LIMIT READJUSTMENT every 60 cycles during 4 cycles

PROTECTION INDEX IP 44

POWER CABLE 2.5 or 5 meters (4x0,75 mm² wires, white H05 VVF), pluggable.

BASE DIAMETER OF THE CROWN for Ø50 x 1.5 mm round tube

MOTOR HEAD THICKNESS 22.8 mm

4 CYCLES PER DAY non consecutive

INSULATION CLASS Class I motor

COMPLIANCE European standards (EN) + IEC standards (international standards)

CERTIFICATIONS  
& STANDARD 

T5 AUTO+SHORT MOTOR

SHORT WIRED ELECTRONIC, Ø 50 MM

NEW



AUTOMATIC SETTING OF THE UP AND DOWN END-LIMITS

...the roller shutter must be equipped with up and down stoppers.

AN AUTO-ADAPTIVE DISTRESSING FUNCTION AT END-LIMITS (UP & DOWN)

...to suit all end-products. **PATENTED SYSTEM**

MOTOR SUITABLE FOR SHORT WIDTH ROLLER SHUTTERS

...thanks to its length of only 387mm, including the adaptor.

STOP ON OBSTACLE FUNCTION

...the motor stops when closing in the case of an obstruction.

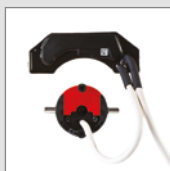
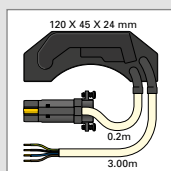
FROST DETECTION FUNCTION

...the motor stops when opening if the shutter curtain is stuck in the guide rails by frost or if the bottom lath is locked.

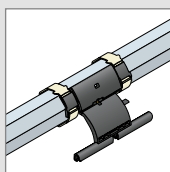
PERMANENT READJUSTMENT OF END-LIMITS

...because of the constant auto-learning and revision of the up and down end-limit positions. It adapts thus to the variations in length of the shutter curtain over time.

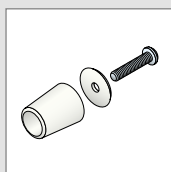
DEPORTED ELECTRONIC PLATE



REQUIRED EQUIPMENT



Locks



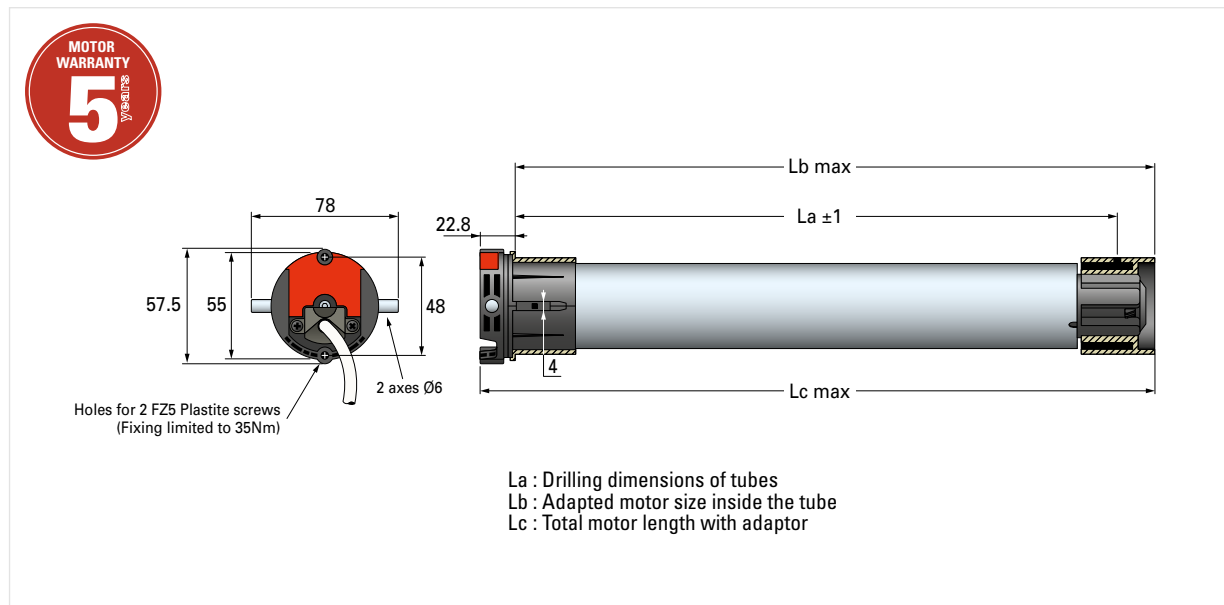
Conical stoppers
or stoppers
integrated into the
guide rails

RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 3 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1	REFERENCE x 10
T5 AUTO+SHORT	6 Nm	17 rpm	90 W	0,4 A	351 mm	364 mm	387 mm	1,63 kg	2006742	2006743

DIMENSIONS



SPECIFICATION

POWER SUPPLY	230 Volts - 50 Hz
THERMAL CUT-OUT	4 minutes
END-LIMIT	Electronic system integrated in the deported plate with operating limited to 3min. The readjustement is automatic and permanent.
PROTECTION INDEX	IP 44
POWER CABLE	3 meters (4x0,75 mm ² wires, white H05 VVF), pluggable.
BASE DIAMETER OF THE CROWN	for Ø50 x 1.5 mm round tube
MOTOR HEAD THICKNESS	22.8 mm
4 CYCLES PER DAY	non consecutive
INSULATION CLASS	Class I motor
COMPLIANCE	European standards (EN) + IEC standards (international standards)
CERTIFICATIONS	 
& STANDARD	

T5 AUTO MOTOR

WIRED ELECTRONIC, Ø 50 MM



AUTOMATIC SETTING OF THE UP AND DOWN END-LIMITS

...the roller shutter must be equipped with up and down stoppers.

STOP ON OBSTACLE FUNCTION

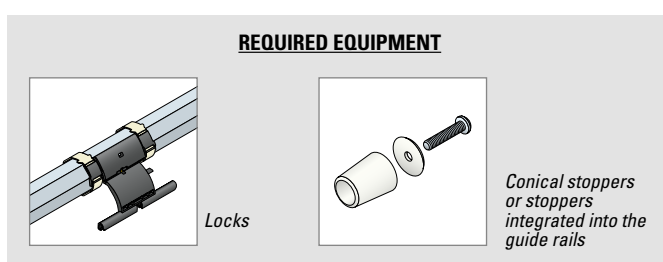
...the motor stops when closing in the case of an obstruction.

FROST DETECTION FUNCTION

...the motor stops when opening if the shutter curtain is stuck in the guide rails by frost or if the bottom lath is locked.

PERMANENT READJUSTMENT OF END-LIMITS

...because of the constant auto-learning and revision of the up and down end-limit positions. It adapts thus to the variations in length of the shutter curtain over time.



RANGE

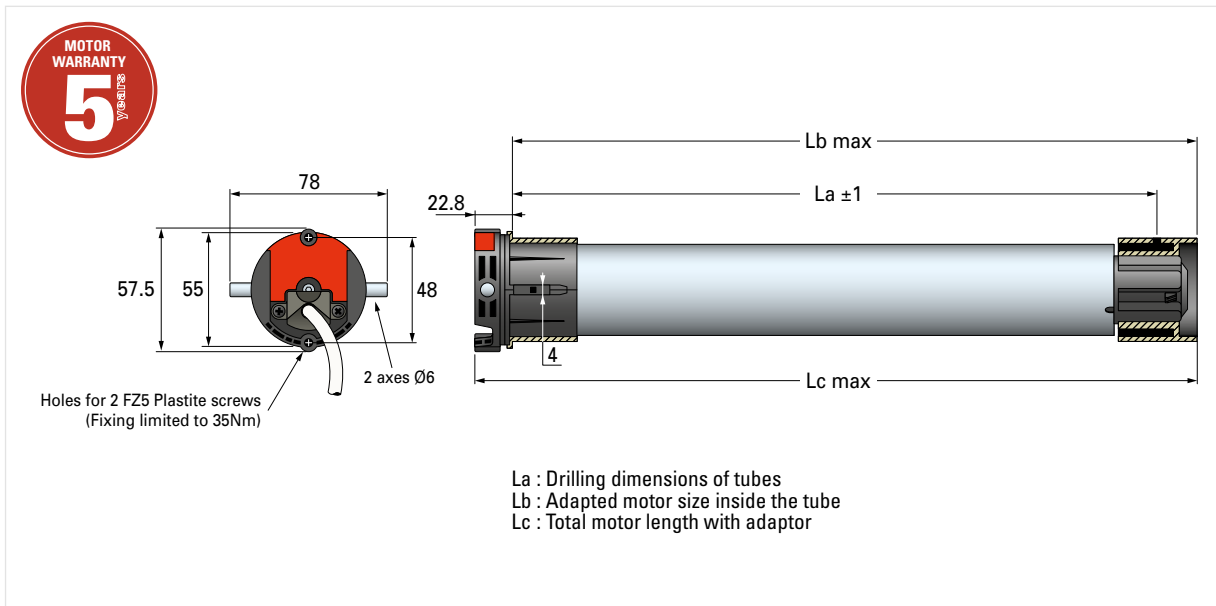
POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
T5 AUTO - 6/17	6 Nm	17 rpm	90 W	0,4 A	483mm	496mm	519mm	1,76 kg	2006700
T5 AUTO - 10/17	10 Nm	17 rpm	120 W	0,5 A	483mm	496mm	519mm	1,83 kg	2006701
T5 AUTO - 15/17	15 Nm	17 rpm	140 W	0,65 A	503mm	516mm	539mm	1,98 kg	2006702
T5 AUTO - 20/17	20 Nm	17 rpm	160 W	0,75 A	657mm	670mm	693mm	2,38 kg	2006703
T5 AUTO - 25/17	25 Nm	17 rpm	170 W	0,8 A	6657mm	670mm	693mm	2,48 kg	2006704
T5 AUTO - 35/17	35 Nm	17 rpm	240 W	1,1 A	657mm	670mm	693mm	2,58 kg	2006705

Other references are available in the list of references at the end of the catalog p.206



DIMENSIONS



SPECIFICATION

POWER SUPPLY	230 Volts - 50 Hz
THERMAL CUT-OUT	4 minutes
END-LIMIT	Electronic system with operating limited to 3 min. The readjustment is automatic and permanent.
PROTECTION INDEX	IP 44
POWER CABLE	2.5 or 5 meters (4x0,75 mm ² wires, white H05 VVF), pluggable.
BASE DIAMETER OF THE CROWN	for Ø50 x 1.5 mm round tube
MOTOR HEAD THICKNESS	22,8 mm
4 CYCLES PER DAY	non consecutive
INSULATION CLASS	Class I motor
COMPLIANCE	European standards (EN) + IEC standards (international standards)
CERTIFICATIONS	 
& STANDARD	

T5 MOTOR

WIRED, Ø 50 MM



PROGRESSIVE END-LIMIT SYSTEM

SETTING OF THE UP AND DOWN END-LIMITS ON THE MOTOR HEAD

RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
T5 - 8/17	8 Nm	17 rpm	100 W	0,45 A	483mm	496mm	519mm	1,75 kg	2000242
T5 - 10/17	10 Nm	17 rpm	120 W	0,5 A	483mm	496mm	519mm	1,78 kg	2000268
T5 - 15/17	15 Nm	17 rpm	140 W	0,65 A	483mm	496mm	519mm	1,93 kg	2000295
T5 - 20/17	20 Nm	17 rpm	160 W	0,75 A	583mm	596mm	619mm	2,2 kg	2000322
T5 - 25/17	25 Nm	17 rpm	170 W	0,8 A	583mm	596mm	619mm	2,3 kg	2000348
T5 - 30/17	30 Nm	17 rpm	240 W	1,1 A	583mm	596mm	619mm	2,47 kg	2000371
T5 - 35/17	35 Nm	17 rpm	240 W	1,1 A	583mm	596mm	619mm	2,47 kg	2000392
T5 - 40/12	40 Nm	12 rpm	240 W	1,1 A	583mm	596mm	619mm	2,5 kg	2000412
T5 - 50/12	50 Nm	12 rpm	240 W	1,1 A	583mm	596mm	619mm	2,55 kg	2000432

Other references are available in the list of references at the end of the catalog p.207

POWER SUPPLY 120V - 60 Hz, CABLE 2.5 METERS

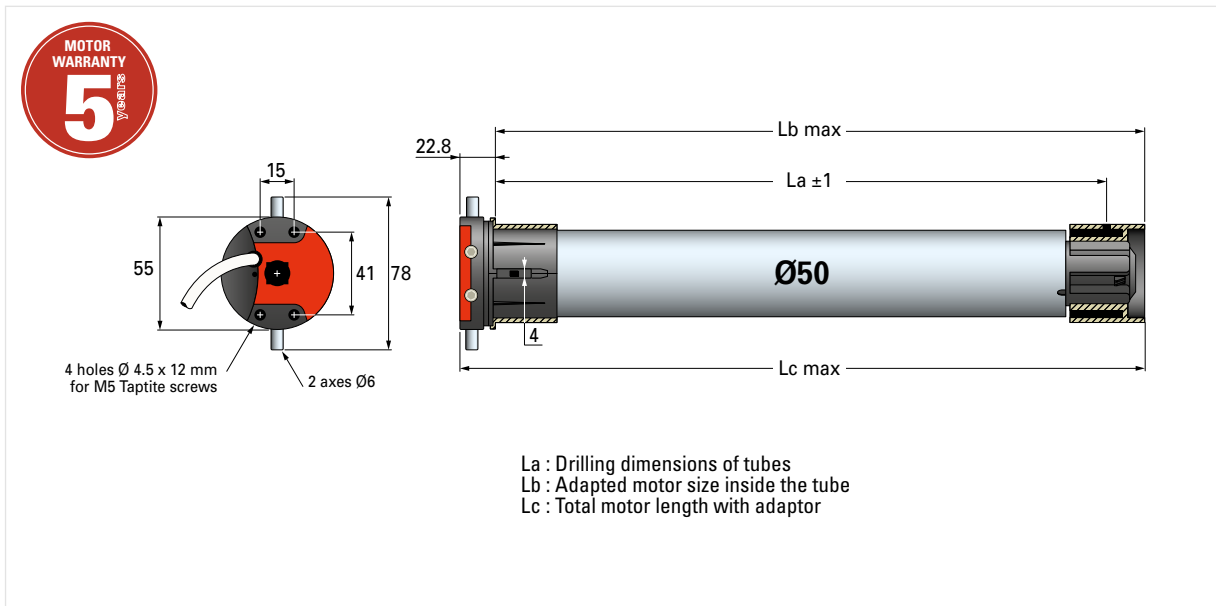
DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
T5 - 10/12	10 Nm	12 rpm	80 W	0,7 A	483mm	496mm	519mm	2,04 kg	2000649
T5 - 15/18	15 Nm	18 rpm	145 W	1,1 A	505 mm	518 mm	541 mm	2,25 kg	2000646
T5 - 20/12	20 Nm	12 rpm	130 W	1,1 A	505 mm	518 mm	541 mm	2,28 kg	2000650
T5 - 25/18	25 Nm	18 rpm	180 W	1,6 A	583mm	596mm	619mm	2,28 kg	2000647
T5 - 30/12	30 Nm	12 rpm	170 W	1,5 A	583mm	596mm	619mm	2,5 kg	2000651
T5 - 35/18	35 Nm	18 rpm	250 W	2,1 A	583mm	596mm	619mm	2,77 kg	2000648
T5 - 40/12	40 Nm	12 rpm	210 W	1,8 A	583mm	596mm	619mm	2,76 kg	2000652
T5 - 50/12	50 Nm	12 rpm	250 W	2,1 A	583mm	596mm	619mm	2,48 kg	2000653

POWER SUPPLY 220V - 60 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
T5 - 14/20	14 Nm	20 rpm	140 W	0,65 A	505 mm	518 mm	541 mm	2,10 kg	2006158
T5 - 28/14	28 Nm	14 rpm	175 W	0,85 A	583 mm	596 mm	619 mm	2,36 kg	2006160
T5 - 38/14	38 Nm	14 rpm	210 W	1 A	583 mm	596 mm	619 mm	2,61 kg	2006161



DIMENSIONS

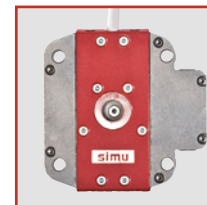


SPECIFICATION

POWER SUPPLY	230 Volts - 50 Hz or 120 Volts - 60 Hz (US range)
THERMAL CUT-OUT	4 minutes (230V) or 5 minutes (120V)
PROGRESSIVE END-LIMIT	with a capacity of 28 rounds
PROTECTION INDEX	IP 44
POWER CABLE 230 V	2.5 meters (4x0,75 mm ² wires, white H05 VVF) or 0.7 meter (4x0,75 mm ² wires, black H05 RRF) Other cable lengths exist for certain torque in white H05 VVF or black H05 RRF. Consult us.
POWER CABLE 120 V	2.5 meters (4xAWG19 wires, white 05 VVF)
POWER CABLE 220 V	2.5 meters (4x0,75 mm ² wires, white H05 VVF)
BASE DIAMETER OF THE CROWN	for Ø50 x 1.5 mm round tube
MOTOR HEAD THICKNESS	22.8 mm
4 CYCLES PER DAY	non consecutive
INSULATION CLASS	Class I motor
COMPLIANCE	European standards (EN) + IEC standards (international standards)
CERTIFICATIONS	NF DVE
& STANDARD	CE

DMI 5 MOTOR

WIRED, Ø 50 MM



BUILT-IN MANUAL OVERRIDE

PROGRESSIVE END-LIMIT SYSTEM

SETTING OF THE UP AND DOWN END-LIMITS ON THE MOTOR HEAD

...on either sides of the head.

COMPACT MOTOR HEAD

...only 24mm thickness.

RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1 x 4	
DMI 5 - 8/17	8 Nm	17 rpm	100 W	0,45 A	576 mm	589 mm	617 mm	2,51 kg	2000711	2008560
DMI 5 - 10/17	10 Nm	17 rpm	120 W	0,5 A	576 mm	589 mm	617 mm	2,59 kg	2000717	2008561
DMI 5 - 15/17	15 Nm	17 rpm	140 W	0,65 A	576 mm	589 mm	617 mm	2,71 kg	2000723	2008562
DMI 5 - 20/17	20 Nm	17 rpm	160 W	0,75 A	576 mm	589 mm	617 mm	2,84 kg	2000730	2008563
DMI 5 - 25/17	25 Nm	17 rpm	170 W	0,8 A	576 mm	589 mm	617 mm	3 kg	2000737	2008564
DMI 5 - 30/17	30 Nm	17 rpm	240 W	1,1 A	576 mm	589 mm	617 mm	3,1 kg	2000743	2008565
DMI 5 - 35/17	35 Nm	17 rpm	240 W	1,1 A	576 mm	589 mm	617 mm	3,12 kg	2000750	2008566
DMI 5 - 40/12	40 Nm	12 rpm	240 W	1,1 A	576 mm	589 mm	617 mm	3,12 kg	2000756	2008567
DMI 5 - 50/12	50 Nm	12 rpm	240 W	1,1 A	576 mm	589 mm	617 mm	3,14 kg	2000763	2008568

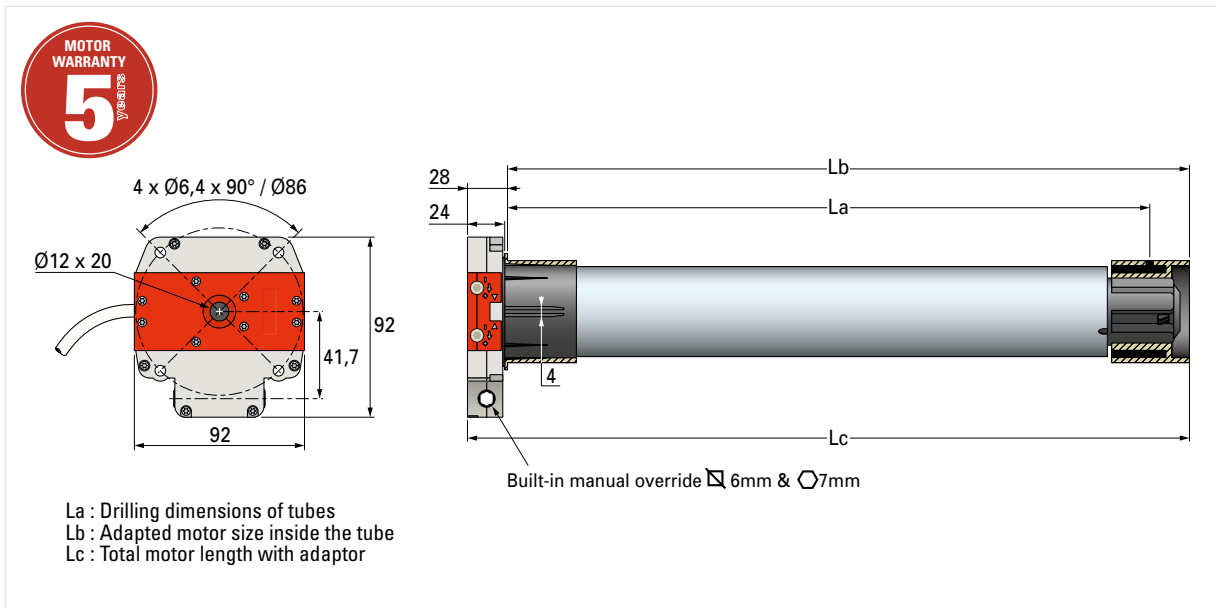
POWER SUPPLY 120V - 60 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1	
DMI 5 - 10/12	10 Nm	12 rpm	80 W	0,8 A	576 mm	589 mm	617 mm	2,59 kg	2000772	
DMI 5 - 15/18	15 Nm	18 rpm	145 W	1,3 A	576 mm	589 mm	617 mm	2,77 kg	2000769	
DMI 5 - 20/12	20 Nm	12 rpm	130 W	1,1 A	576 mm	589 mm	617 mm	2,8 kg	2000773	
DMI 5 - 25/18	25 Nm	18 rpm	180 W	1,6 A	576 mm	589 mm	617 mm	3,07 kg	2000770	
DMI 5 - 30/12	30 Nm	12 rpm	170 W	1,5 A	576 mm	589 mm	617 mm	3,01 kg	2000774	
DMI 5 - 35/18	35 Nm	18 rpm	250 W	2,1 A	646 mm	659 mm	687 mm	3,28 kg	2000771	
DMI 5 - 40/12	40 Nm	12 rpm	210 W	1,8 A	646 mm	659 mm	687 mm	3,28 kg	2000775	
DMI 5 - 50/12	50 Nm	12 rpm	250 W	2,1 A	646 mm	659 mm	687 mm	3,3 kg	2000776	

POWER SUPPLY 220V - 60 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1	
DMI 5 - 18/20	18 Nm	20 rpm	170 W	0,8 A	576 mm	589 mm	617 mm	2,83 kg	2006162	
DMI 5 - 28/14	28 Nm	14 rpm	175 W	0,85 A	576 mm	589 mm	617 mm	2,92 kg	2006163	
DMI 5 - 38/14	38 Nm	14 rpm	210 W	1 A	576 mm	589 mm	617 mm	3,10 kg	2006164	

DIMENSIONS



SPECIFICATION

POWER SUPPLY	230 Volts - 50 Hz or 120 Volts - 60 Hz (US range)
THERMAL CUT-OUT	4 minutes (230V) or 5 minutes (120V)
PROGRESSIVE END-LIMIT	with a capacity of 28 rounds
REDUCING RATIO	of the manual override: 27/1
PROTECTION INDEX	IP 44
POWER CABLE 230 V	2.5 meters (4x0,75 mm ² wires, white H05 VVF) or 0.7 meter (4x0,75 mm ² wires, black H05 RRF)
POWER CABLE 120 V	2.5 meters (4xAWG19 wires, white 05 VVF)
POWER CABLE 220 V	2.5 meters (4x0,75 mm ² wires, white H05 VVF)
BASE DIAMETER OF THE CROWN	for Ø50 x 1.5 mm round tube
MOTOR HEAD THICKNESS	24 mm
4 CYCLES PER DAY	non consecutive
INSULATION CLASS	Class I motor
COMPLIANCE	European standards (EN) + IEC standards (international standards)
CERTIFICATIONS	   
& STANDARD	

T6 MOTOR

WIRED, Ø 60 MM



PROGRESSIVE END-LIMIT SYSTEM

SETTING OF THE UP AND DOWN END-LIMITS ON THE MOTOR HEAD

RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
T6 - 40/17	40 Nm	17 rpm	240 W	1,05 A	676 mm	689 mm	718 mm	4,43 kg	2000892
T6 - 55/17	55 Nm	17 rpm	290 W	1,25 A	676 mm	689 mm	718 mm	4,64 kg	2000898
T6 - 70/17	70 Nm	17 rpm	350 W	1,5 A	676 mm	689 mm	718 mm	4,97 kg	2000904
T6 - 85/17	85 Nm	17 rpm	450 W	1,8 A	676 mm	689 mm	718 mm	5,17 kg	2000910
T6 - 60/12	60 Nm	12 rpm	240 W	1,05 A	676 mm	689 mm	718 mm	4,43 kg	2000916
T6 - 80/12	80 Nm	12 rpm	290 W	1,25 A	676 mm	689 mm	718 mm	4,64 kg	2000922
T6 - 100/12	100 Nm	12 rpm	350 W	1,5 A	676 mm	689 mm	718 mm	4,97 kg	2000928
T6 - 120/12	120 Nm	12 rpm	400 W	1,8 A	676 mm	689 mm	718 mm	5,17 kg	2000934

Other references are available in the list of references at the end of the catalog p.209

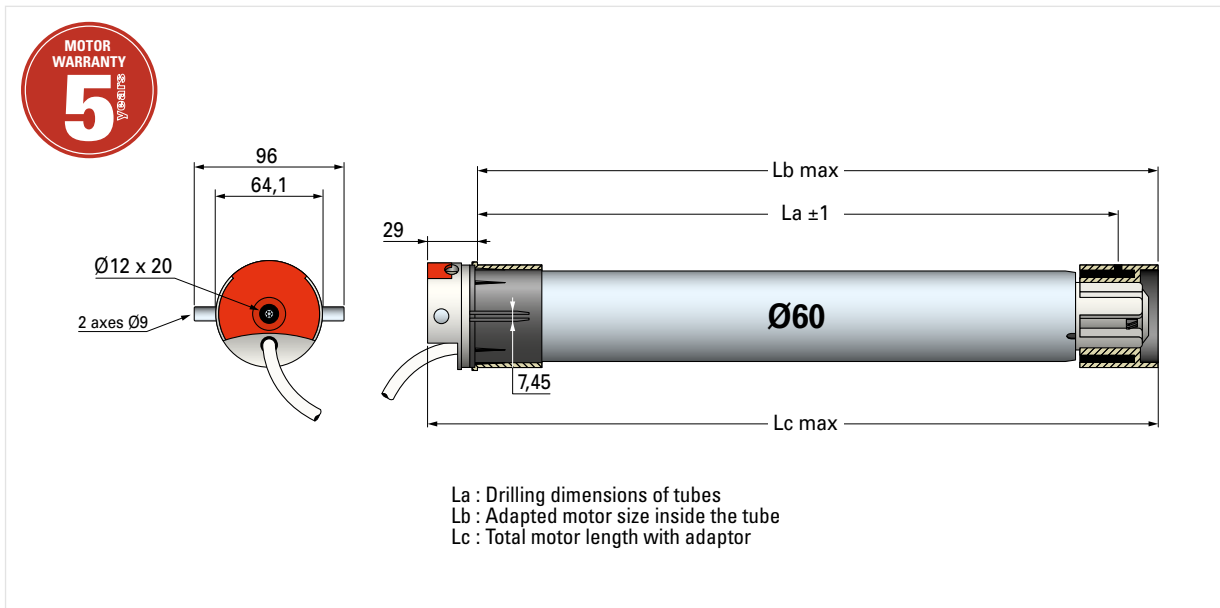
POWER SUPPLY 120V - 60 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
T6 - 60/14	60 Nm	14 rpm	285 W	2,5 A	676 mm	689 mm	718 mm	4,66 kg	2000985
T6 - 80/14	80 Nm	14 rpm	390 W	3,4 A	676 mm	689 mm	718 mm	4,97 kg	2000986
T6 - 100/14	100 Nm	14 rpm	430 W	3,8 A	676 mm	689 mm	718 mm	5,31 kg	2000987

POWER SUPPLY 220V - 60 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
T6 - 60/14	60 Nm	14 rpm	270 W	1,2 A	676 mm	689 mm	718 mm	4,82 kg	2006165

DIMENSIONS

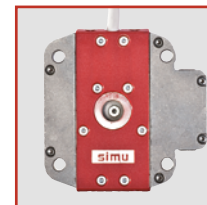


SPECIFICATION

- POWER SUPPLY** 230 Volts - 50 Hz or 120 Volts - 60 Hz (US range)
- THERMAL CUT-OUT** 4 minutes (230V) or 5 minutes (120V)
- PROGRESSIVE END-LIMIT** with a capacity of 23 rounds
- PROTECTION INDEX** IP 44
- POWER CABLE 230V** 2.5 meters (4x0,75 mm² wires, white H05 VVF)
 0.7 meters (4x0,75 mm² wires, black H05 RRF)
- POWER CABLE 120V** 2.5 meters (4xAWG19 wires, white 05 VVF)
- POWER CABLE 220V** 2.5 meters (4x0,75 mm² wires, white H05 VVF)
- BASE DIAMETER OF THE CROWN** for Ø63 x 1.5 mm round tube
- MOTOR HEAD THICKNESS** 29 mm
- 4 CYCLES PER DAY** non consecutive
- INSULATION CLASS** Class I motor
- COMPLIANCE** European standards (EN) + IEC standards (international standards)
- CERTIFICATIONS**   
- & STANDARD** 

DMI 6 MOTOR

WIRED, Ø 60 MM



BUILT-IN MANUAL OVERRIDE

PROGRESSIVE END-LIMIT SYSTEM

SETTING OF THE UP AND DOWN END-LIMITS ON THE MOTOR HEAD

...on either sides of the head.

COMPACT MOTOR HEAD

...only 24mm thickness.

RANGE

POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
DMI 6 - 40/17	40 Nm	17 rpm	240 W	1,05 A	662 mm	675 mm	704 mm	4,6 kg	2000991
DMI 6 - 55/17	55 Nm	17 rpm	290 W	1,25 A	662 mm	675 mm	704 mm	4,85 kg	2000994
DMI 6 - 70/17	70 Nm	17 rpm	350 W	1,5 A	662 mm	675 mm	704 mm	5,17 kg	2000997
DMI 6 - 85/17	85 Nm	17 rpm	450 W	1,8 A	662 mm	675 mm	704 mm	5,38 kg	2001000
DMI 6 - 60/12	60 Nm	12 rpm	240 W	1,05 A	662 mm	675 mm	704 mm	4,63 kg	2001003
DMI 6 - 80/12	80 Nm	12 rpm	290 W	1,25 A	662 mm	675 mm	704 mm	4,85 kg	2001007
DMI 6 - 100/12	100 Nm	12 rpm	350 W	1,5 A	662 mm	675 mm	704 mm	5,17 kg	2001010
DMI 6 - 120/12	120 Nm	12 rpm	400 W	1,8 A	662 mm	675 mm	704 mm	5,38 kg	2001013

Other references are available in the list of references at the end of the catalog p.209

POWER SUPPLY 120V - 60 Hz, CABLE 2.5 METERS

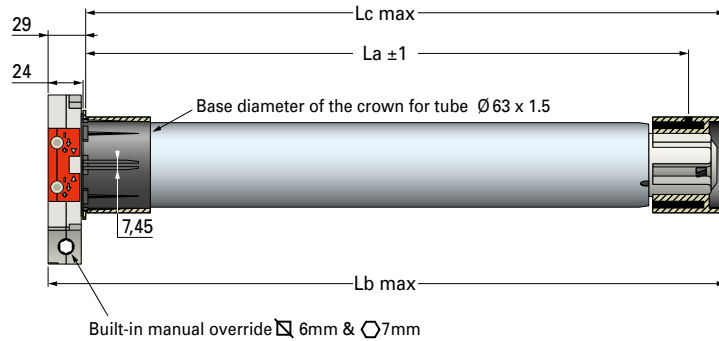
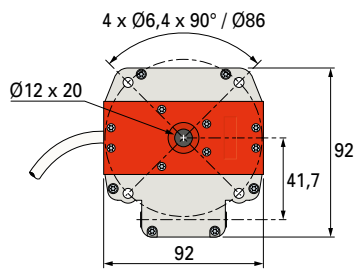
DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
DMI 6 - 60/14	60 Nm	14 rpm	285 W	2,5 A	662 mm	675 mm	704 mm	4,87 kg	2001040
DMI 6 - 80/14	80 Nm	14 rpm	390 W	3,4 A	662 mm	675 mm	704 mm	5,18 kg	2001042
DMI 6 - 100/14	100 Nm	14 rpm	430 W	3,8 A	662 mm	675 mm	704 mm	5,54 kg	2001044

POWER SUPPLY 220V - 60 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
DMI 6 - 60/14	60 Nm	14 rpm	270 W	1,2 A	662 mm	675 mm	704 mm	5,03 kg	2006166
DMI 6 - 80/14	80 Nm	14 rpm	350 W	1,6 A	662 mm	675 mm	704 mm	5,25 kg	2006167
DMI 6 - 100/14	100 Nm	14 rpm	400 W	1,8 A	662 mm	675 mm	704 mm	5,57 kg	2006168



DIMENSIONS



La : Drilling dimensions of tubes
Lb : Adapted motor size inside the tube
Lc : Total motor length with adaptor

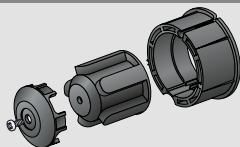
SPECIFICATION

POWER SUPPLY	230 Volts - 50 Hz or 120 Volts - 60 Hz (US range)
THERMAL CUT-OUT	4 minutes (230V) or 5 minutes (120V)
PROGRESSIVE END-LIMIT	with a capacity of 28 rounds
REDUCING RATIO	of the manual override: 55/1
PROTECTION INDEX	IP 44
POWER CABLE 230V	2.5 meters (4x0,75 mm ² wires, white H05 VVF) 0.7 meters (4x0,75 mm ² wires, black H05 RRF)
POWER CABLE 120V	2.5 meters (4xAWG19 wires, white 05 VVF)
POWER CABLE 220V	2.5 meters (4x0,75 mm ² wires, white H05 VVF)
BASE DIAMETER OF THE CROWN	for Ø63 x 1.5 mm round tube
MOTOR HEAD THICKNESS	24 mm
4 CYCLES PER DAY	non consecutive
INSULATION CLASS	Class I motor
COMPLIANCE	European standards (EN) + IEC standards (international standards)
CERTIFICATIONS	   
& STANDARD	CE

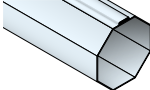
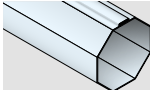
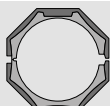
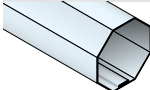
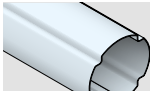
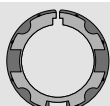
ADAPTOR SETS

FOR Ø40, Ø50, Ø60 MOTORS

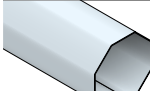
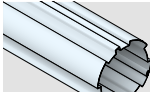
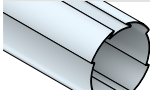
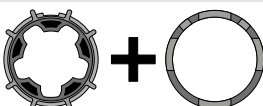
INTERFACE ADAPTOR

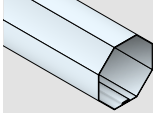
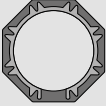
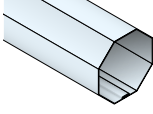
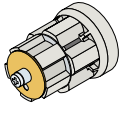
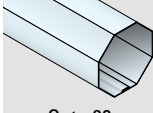
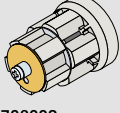
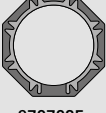
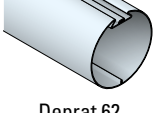
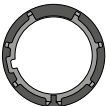
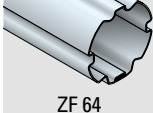
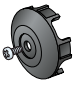
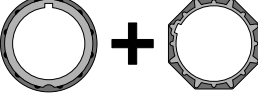
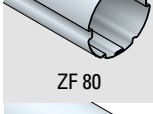
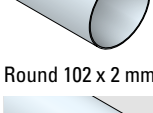
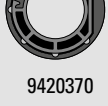
INTERFACE SET	DESCRIPTION	REFERENCE
	Adaptor interface for Ø40 motor enabling to use adaptors made for Ø50 motors	9001529

Ø40 MOTORS

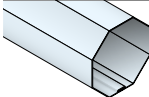
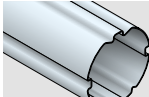
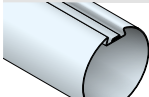
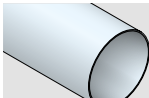
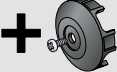
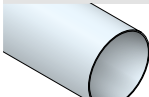
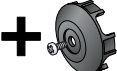
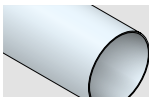
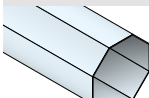
TUBE	DRIVE HUB	CROWN	DESCRIPTION	REFERENCE
 Deprat 40 External clamping	 9500344	 9132145	Adaptor for Deprat octa 40 tube, external clamping	9001496
 Octa 40 Gaviota/Simbac External clamping	 9147545	 9147327	Adaptor for Gaviota/Simbac octa 40 tube external clamping	9001481
 Octa 40 Internal clamping	 9016084	 9016085	Off centered adaptor for octa 40 tube internal clamping	9016635
 ZF 45	 9500444	 9500455	Adaptor for ZF 45 tube	9001498

Ø50 MOTORS

TUBE	DRIVE HUB	CROWN	DESCRIPTION	REFERENCE
 Octa 50 Selve/Gaviota/Simbac	 9705344	 9705345	Adaptor for Selve/ Gaviota/Simbac octa 50 tube	9521054
 ZF 54	 9410423	 9001165	Adaptor for ZF 54 tube	9011000
 Deprat 53	 Adaptor set only		Adaptor for Deprat 53 tube	9013091

			Adaptor for Gaviota/Simbac octa 60 tube	9521031
	 + 		Adaptor for octa 60 tube with ABS drive hub - Right	9521039
	 + 		Adaptor for octa 60 tube with ABS drive hub - Left	9521040
			Adaptor for Deprat 62 tube	9521014
			Adaptor for ZF 64 tube	9521032
	 + 		Adaptor for Gaviota/Simbac octa 70 tube 1.2 mm thickness with drive hub stop	9521022
			Adaptor for Dohner octa 70 tube	9521021
		 + 	Adaptor for Deprat 89 tube	9521015
			Adaptor for ZF 80 tube	9521033
		 + 	Adaptor for 102 x 2 mm tube	9521056
	 + 	 + 	Adaptor for 102 x 2 mm tube with drive hub stop	9521057

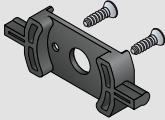
Ø60 MOTORS

TUBE	DRIVE HUB	CROWN	DESCRIPTION	REFERENCE
 Octa 70 Gaviota/Simbac 1.2 mm thickness	  9606133 9910062	 9705340	Adaptor for Gaviota/Simbac octa 70 tube 1.2mm thickness with drive hub stop	9530117
 ZF 80	 9420302	 9128890	Adaptor for ZF 80 tube	9530114
 Deprat 89	 9420301	 9420341	Adaptor for Deprat 89 tube	9530110
 Round 101.6 x 1.6mm	  9420304 9910062	 9420370	Adaptor for 101.6 x 1.6mm tube with drive hub stop	9000985
 Round 101.6 x 3.6mm	  9420309 9910062	 9420371	Adaptor for 101.6 x 3.6mm tube with drive hub stop	9000986
 Round 101.6 x 3.6mm	 9420309	 9420371	Adaptor for 101.6 x 3.6mm tube	9530124
 Octa 102 Alulux	 9761013	 9762013	Adaptor for Alulux octa 102 tube	9530131

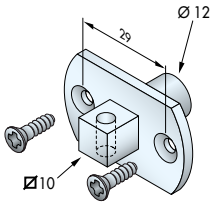
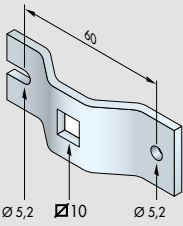
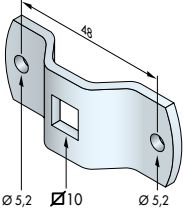
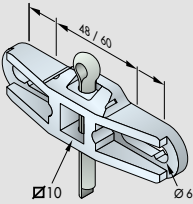
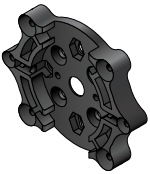
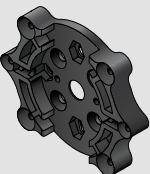
BRACKETS FOR MOTOR SIDE

Ø40, Ø50, Ø60 AND DMI MOTORS

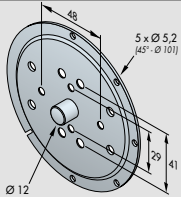
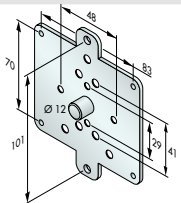
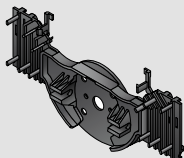
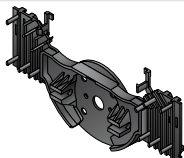
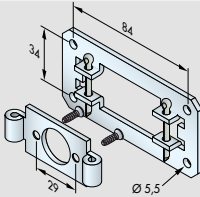
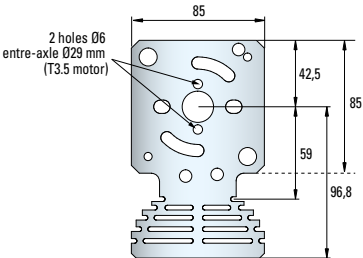
Ø40 MOTORS

INTERFACE SET	MAXI TORQUE	DESCRIPTION	REFERENCE
	13 Nm	Interface set for use with T3.5 motor with a T5 bracket with 2 Plastite screws 3.8x12	9016981

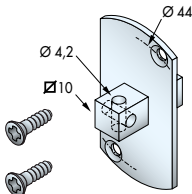
Ø40 MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
	WALL INTEGRATED SYSTEM	20 Nm	Joining with 10mm square with 2 plastite screws 3.8 x 12mm	9001527
	WALL INTEGRATED SYSTEM	25 Nm	Bracket with 10mm square 2 x Ø5mm holes 60 mm inter-axle	9510101
	WALL INTEGRATED SYSTEM	25 Nm	Bracket with 10mm square 2 x Ø5mm holes 48 mm inter-axle	9701240
	WALL INTEGRATED SYSTEM	25 Nm	Bracket with 10mm square 2 x Ø6mm oblongs from 48 to 60 mm inter-axle	9137029
	COMBINED WINDOW SHUTTER RENOVATION	35 Nm	Universal bracket: <i>Deceuninck Storbox,</i> <i>Alphacan Lucaroll, etc...</i>	9013761 (x1)
Packaged by 1				
	COMBINED WINDOW SHUTTER RENOVATION	35 Nm	Universal bracket <i>Deceuninck Storbox,</i> <i>Alphacan Lucaroll, etc...</i>	9012978 (x20)
Packaged by 20				

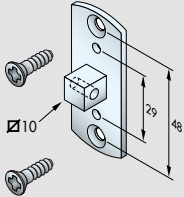
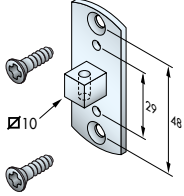
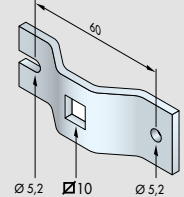
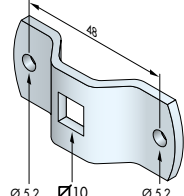
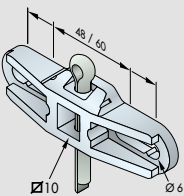
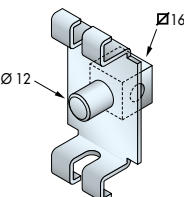
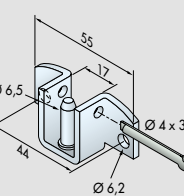
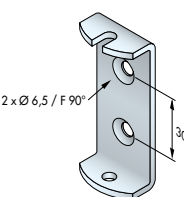
Ø40 MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
	COMBINED WINDOW SHUTTER	20 Nm	Thyssen bracket	2003200
	COMBINED WINDOW SHUTTER	20 Nm	S.K.S. bracket	2003206
 <i>Packaged by 1</i>	RENOVATION	20 Nm	Butterfly bracket, cuttable from 137 to 205mm (Gaviota Simbac Mini 45° side frame)	9001108 (x1)
 <i>Packaged by 100</i>	RENOVATION	20 Nm	Butterfly bracket, cuttable from 137 to 205mm (Gaviota Simbac Mini 45° side frame)	9015860 (x100)
	RENOVATION	13 Nm	Bracket for side frame with Ø 12 mm pivot with 2 plastite screws 3.8x12	9500815
	RENOVATION	20 Nm	Bracket for side frame ZF ALURENO (125/205)	2008418

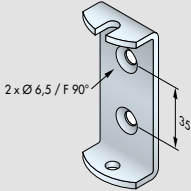
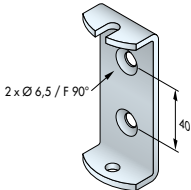
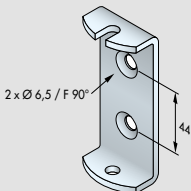
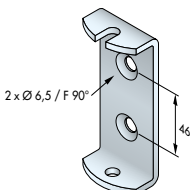
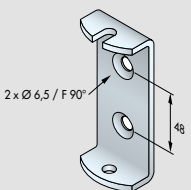
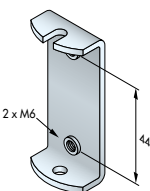
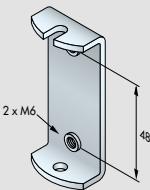
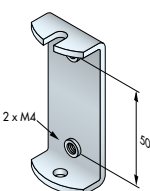
Ø50 MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
	WALL INTEGRATED SYSTEM	20 Nm	Joining with 10mm square, with 2 plastite screws 5 x 12 for T5 and T5 DC	9013923

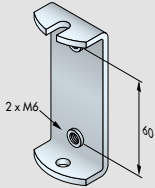
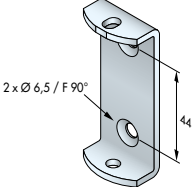
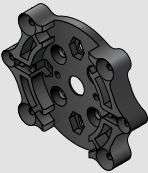
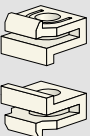
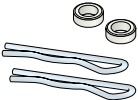
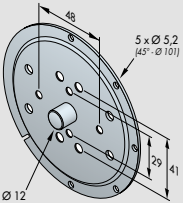
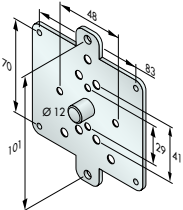
Ø50 MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
	WALL INTEGRATED SYSTEM	25 Nm	Joining with 10mm square with 2 plastite screws 5 x 16mm for T5 AUTO, AUTO short, AUTO short Hz, T5 E, E Hz, E Hz DC and T5 Hz.02	9910013
	WALL INTEGRATED SYSTEM	25 Nm	Joining with 10mm square with 2 plastite screws 5 x 16mm for T5 AUTO, AUTO short, AUTO short Hz, T5 E, E Hz, E Hz DC and T5 Hz.02	9910014
	WALL INTEGRATED SYSTEM	25 Nm	Bracket with 10mm square 2 x Ø5mm holes 60mm inter-axe	9510101
	WALL INTEGRATED SYSTEM	25 Nm	Bracket with 10mm square 2 x Ø5mm holes 48mm inter-axe	9701240
	WALL INTEGRATED SYSTEM	25 Nm	Bracket with 10mm square 2xØ6mm oblongs from 48 to 60mm inter-axe	9137029
	WALL INTEGRATED SYSTEM	50 Nm	Clamp with 10mm square with 16mm square	9016077
	WALL INTEGRATED SYSTEM	30 Nm	Bracket with 16mm square	9017188
	WALL INTEGRATED SYSTEM	30 Nm	T5 clamp Ø6.5 mm F 90° holes 30mm inter-axe	9520076

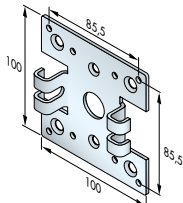
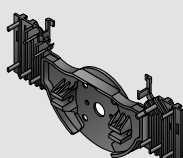
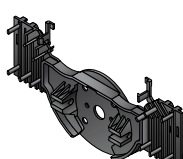
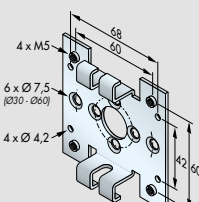
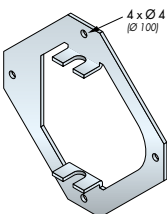
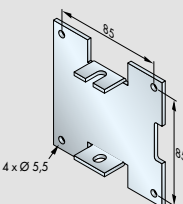
Ø50 MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
	WALL INTEGRATED SYSTEM	30 Nm	T5 clamp Ø6,5mm F 90° holes 35mm inter-axle	9520054
	WALL INTEGRATED SYSTEM	40 Nm	T5 clamp Ø6,5mm F 90° holes 40mm inter-axle	9520048
	WALL INTEGRATED SYSTEM	40 Nm	T5 clamp Ø6,5mm F 90° holes 44mm inter-axle	9520064
	WALL INTEGRATED SYSTEM	40 Nm	T5 clamp Ø6,5mm F 90° holes 46mm inter-axle	9520062
	WALL INTEGRATED SYSTEM	50 Nm	T5 clamp Ø6,5mm F 90° holes 48mm inter-axle	9520104
	WALL INTEGRATED SYSTEM	50 Nm	T5 clamp M6 holes 44mm inter-axle	9257403
	WALL INTEGRATED SYSTEM	50 Nm	T5 clamp M6 holes 48mm inter-axle	9520040
	WALL INTEGRATED SYSTEM	50 Nm	T5 clamp M4 holes 50mm inter-axle	9520038

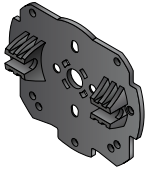
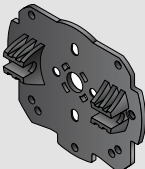
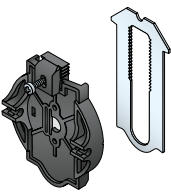
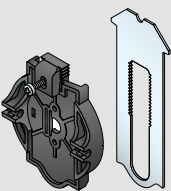
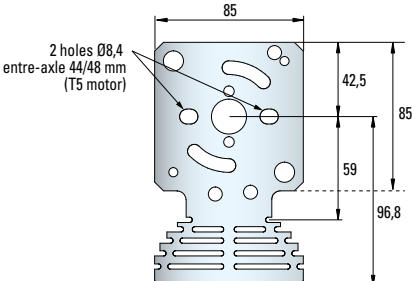
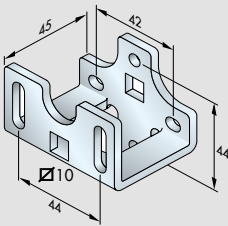
Ø50 MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
	WALL INTEGRATED SYSTEM	50 Nm	T5 clamp M6 holes 60mm inter-axle	9520063
	WALL INTEGRATED SYSTEM	40 Nm	T5 clamp with oblongs Ø6,5mm F 90° holes 44mm inter-axle	9012467
	COMBINED WINDOW SHUTTER RENOVATION	35 Nm	Universal bracket: <i>Gaviota/Simbac, Deceuninck Storbox, Alphacan Lucoroll, etc...</i>	9013761 (x1)
<i>Packaged by 1</i>				
	COMBINED WINDOW SHUTTER RENOVATION	35 Nm	Universal bracket <i>Gaviota/Simbac, Deceuninck Storbox, Alphacan Lucoroll, etc...</i>	9012978 (x20)
<i>Packaged by 20</i>				
	COMBINED WINDOW SHUTTER	20 Nm	Plastic clamp for ZF bracket	9013073 (x200)
	COMBINED WINDOW SHUTTER	20 Nm	Fixing set for ZF bracket	9011860 (x200)
	COMBINED WINDOW SHUTTER	20 Nm	Thyssen bracket	2003200
	COMBINED WINDOW SHUTTER	20 Nm	S.K.S. bracket	2003206

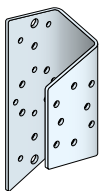
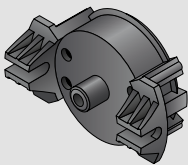
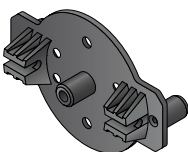
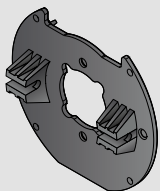
Ø50 MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
	COMBINED WINDOW SHUTTER	50 Nm	VEKA bracket	9013217
 Packaged by 1	RENOVATION	20 Nm	Butterfly bracket, cuttable from 137 to 205mm (Gaviota Simbac Mini 45° side frame)	9001108 (x1)
 Packaged by 100	RENOVATION	20 Nm	Butterfly bracket, cuttable from 137 to 205mm (Gaviota Simbac Mini 45° side frame)	9015860 (x100)
	RENOVATION	50 Nm	Double clip clamp 80 x 80mm	9520049
	RENOVATION	30 Nm	Euroko bracket from Deprat	9520098
	RENOVATION	50 Nm	Imbac plate 100 x 100mm	9520187

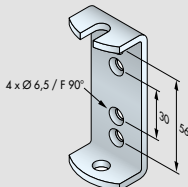
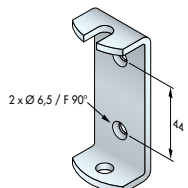
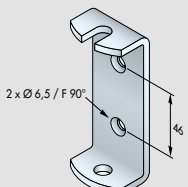
Ø50 MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
 Packed by 1	RENOVATION	20 Nm	ZF Alu Reno Bracket	9016065 (x1)
 Packed by 10	RENOVATION	20 Nm	ZF Alu Reno Bracket	9016067 (x10)
	RENOVATION	30 Nm	Telescopic bracket 125 - 165mm end plate	9017536
	RENOVATION	30 Nm	Telescopic bracket 180 - 205mm end plate	9017537
	RENOVATION	20 Nm	Bracket for side frame ZF ALURENO (125/205)	2008418
	TUNNEL	Off-set bracket ZF 45mm 40 Nm 25 Nm 20 Nm	Off-set bracket ZF 45mm Use with clamp ref. 9520064 Use with joining ref. 9910013 with 10mm square Use with joining ref. 9013923 with 10mm square	9001735

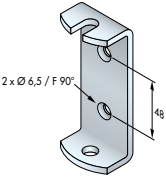
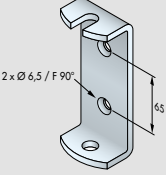
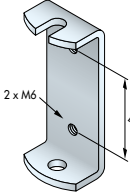
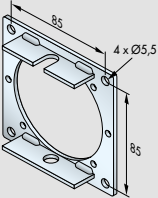
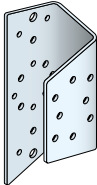
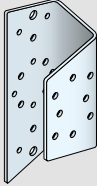
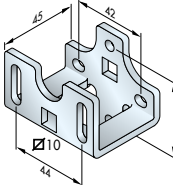
Ø50 MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
	TUNNEL	30 Nm	Off-set bracket in U Use with clamp ref. 9520076 holes with 30mm inter-axe	9520202
	TUNNEL	30 Nm	Bracket for tunnel end plate Coffrelite ZF	9011606
	TUNNEL	30 Nm	Bracket for tunnel end plate Edilcass ZF	9017534
	COMBINED WINDOW SHUTTER	10 Nm	Bracket for coffre Eclipse	9018286
	All our brackets for Ø50 motors are supplied with the accessory bag (fixing clips, pin rings and M6 screws)			4005684

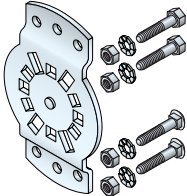
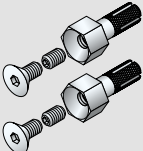
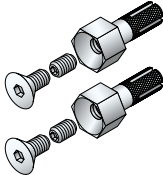
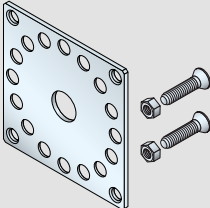
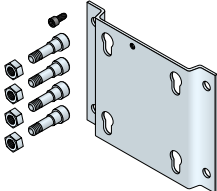
Ø60 MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
	WALL INTEGRATED SYSTEM	40 Nm - 30mm inter-axe 60 Nm - 56mm inter-axe	T6 clamp Ø6.5mm F 90° holes	9530051
	WALL INTEGRATED SYSTEM	45 Nm	T6 clamp Ø6.5mm F 90° holes 44mm inter-axe	9530043
	WALL INTEGRATED SYSTEM	45 Nm	T6 clamp Ø6.5mm F 90° holes 46mm inter-axe	9530017

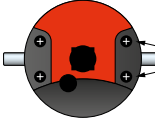
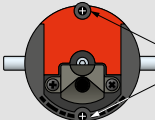
Ø60 MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
	WALL INTEGRATED SYSTEM	45 Nm	T6 clamp Ø6.5mm F 90° holes 48mm inter-axle	9530104
	WALL INTEGRATED SYSTEM	80 Nm	T6 clamp Ø6.5mm F 90° holes 65mm inter-axle	9530040
	WALL INTEGRATED SYSTEM	45 Nm	T6 clamp 2 X M6 holes 48mm inter-axle	9530042
	RENOVATION	120 Nm	Plate 100x100 - T6	9530018
	TUNNEL	40 Nm	Off-set bracket in U Use with clamp ref. 9530051 holes with 30mm inter-axle	9520202
	TUNNEL	60 Nm	Off-set bracket in U Use with clamp ref. 9530051 holes with 56mm inter-axle	9520202
	TUNNEL	45 Nm	Off-set bracket ZF 45mm Use with clamp ref. 9530043 holes with 44mm inter-axle	9001735
	All our brackets for Ø60 motors are supplied with the accessory bag (fixing clips, pin rings and M6 screws)			9856000

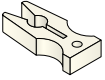
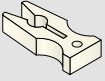
DMI MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
	WALL INTEGRATED SYSTEM TUNNEL	85 Nm	Orientable DMI bracket - 30° inter-axle holes: 40 and 48mm with 6mm screws	9420654
	COMBINED WINDOW SHUTTER	20 Nm	Expandable inserts with screws for <i>Modulo d'Imbac, Lucoroll</i> <i>Storbox - Deceuninck, SPPF, etc</i> Direct assembly on the draw	9410699
	RENOVATION	20 Nm	Expandable clowels with screws for Mini and Domino Imbac boxes Direct assembly on the plate of the side frame	9410790
	RENOVATION	120 Nm	Plate 100 x 100mm with 2 M6 x 25mm bolts	9706034
	RENOVATION	120 Nm	Quick bracket for DMI motor 4 positioning screws + 1 security screw	9017950

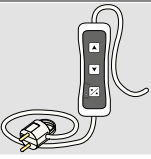
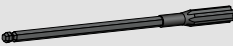
SCREWS FOR FIXING MOTOR HEADS

TYPE	FOR MOTORS	REFERENCE
 PLASTITE SCREWS 2 holes Ø3.9mm	BAG OF 200 SCREWS T3.5 Hz.02 - T3.5 E Hz DC - T3.5 AUTO - T3.5 and T3.5 DC	5005970
 FZ M5 TAPTITE SCREWS 4 holes Ø4.5 x 12mm	BAG OF 200 SCREWS T5 and T5 DC	855002
 FZ5 PLASTITE SCREWS 2 holes (fixing limited to 35Nm)	BAG OF 200 SCREWS T5 Hz.02 - T5 E Hz - T5 AUTO SHORT Hz - T5 ESP Hz T5 AUTO - T5 AUTO SHORT - T5 E - T5 ESP	5010255

SCREWS FOR FIXING ONTO CLAMP

ACCESSOIRE	DESCRIPTION	REFERENCE x 200
	Pin ring for Ø50 motor (bag 200)	9850312
	Pin ring for Ø60 motor (bag 200)	9850313
	Fixing clip for Ø50 motor (bag 200)	850316
	Fixing clip for Ø60 motor (bag 200)	850317

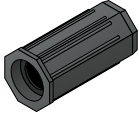
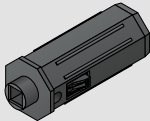
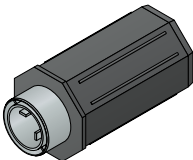
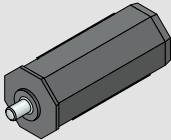
ACCESSORIES FOR MOTOR SETTING

ACCESSORIES	DESCRIPTION	REFERENCE
	Universal setting switch for wired and radio motors setting (with or without electronics)	9025462
	Flexible setting screwdriver (length 214mm)	9011781 (x 20)
	Rigid setting screwdriver (length 125mm)	9000987 (x 20)
	All our brackets for Ø50 motors are supplied with the accessory bag (fixing clips, pin rings and M6 screws)	4005684
	All our brackets for Ø60 motors are supplied with the accessory bag (fixing clips, pin rings and M6 screws)	9856000

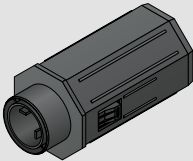
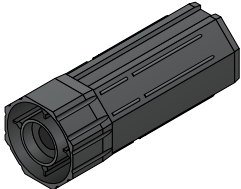
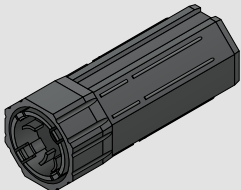
END CAPS FOR TUBE

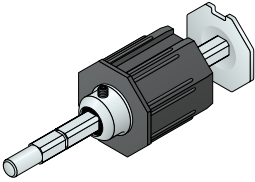
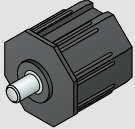
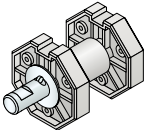
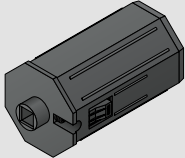
FOR OPPOSITE SIDE

OCTA 40MM ROLLING TUBE

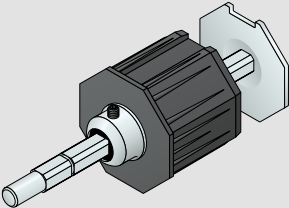
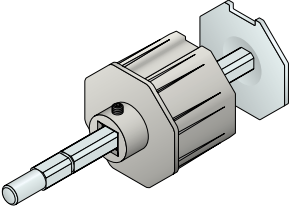
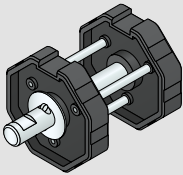
END CAP	DESCRIPTION	REFERENCE
	End cap length 78mm for Ø28mm bearing	2003527
	End cap length 80mm, with clips + screws, with female 10mm square,	2003106
	Adjustable end cap, octa 40 for Ø28mm bearing	2007508
	End cap length 71.5mm, octa 40 for Ø10mm bearing	2003542

OCTA 60MM ROLLING TUBE

END CAP	DESCRIPTION	REFERENCE
	End cap length 98mm with clips for Ø28mm bearing	2003528
	End cap length 150mm for Ø28mm bearing	2003539
	End cap length 150mm for Ø42mm bearing	2003540

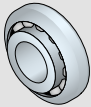
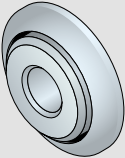
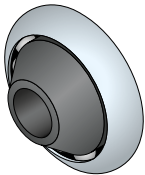
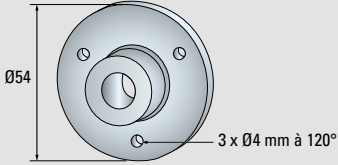
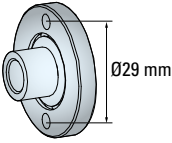
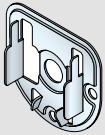
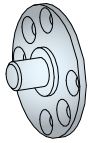
END CAP	DESCRIPTION	REFERENCE
	Plastic telescopic end cap length 200mm with 12mm pivot	2003389
	End cap length 57mm with 12mm pivot	2003535
	Bobbin for SIMU bracket  ref. 2003617	2003565
	End cap length 115 mm with clips with 10mm female square for 18mm bearing with bore	2008496 (x1) 2008498 (x100)

OCTA 70MM ROLLING TUBE

END CAP	DESCRIPTION	REFERENCE
	Plastic telescopic end cap length 200mm with 12mm pivot	2003390
	Aluminium telescopic end cap length 200mm with 12mm pivot	2003471
	Bobbin Bichro Bobbin for SIMU bracket  ref. 2003617	2003560 2003564

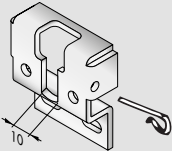
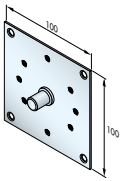
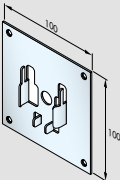
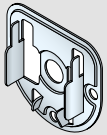
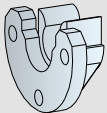
BEARINGS

FOR OPPOSITE SIDE

BEARING	DESCRIPTION	REFERENCE
	Ø28mm steel bearing 12mm bore	2003454
	Ø28mm nylon bearing 12mm bore	2003455
	Ø42mm steel bearing 12mm bore	2003447
	Ø42mm nylon bearing 12mm bore	2003448
 Ø54 3 x Ø4 mm à 120°	Ø54mm bearing for Ø12mm shaft	2003598
 Ø29 mm	Ø10mm bearing bracket	2003600 (x1) 2006409 (x50)
 +  ref. 2003443 ref. 2003448	Bracket for Ø42mm bearing + Ø42mm nylon bearing - 12mm bore	2003601
	Bracket for bearing with Ø12mm bore	2003607

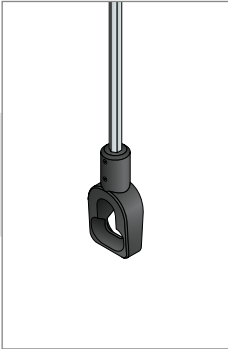
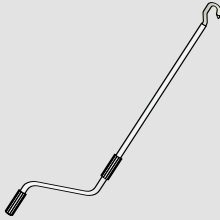
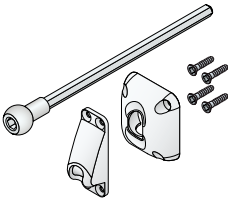
BRACKETS

FOR OPPOSITE SIDE

BRACKET	DESCRIPTION	REFERENCE
	Bracket for bobbin ref. 2003565 / ref. 2003560 / ref. 2003564 Delivered with pin	2003617
	Plate 100 x 100mm with 12mm spring	2002645
	Plate 100 x 100mm for Ø42mm bearing ref. 2003447 or ref. 2003448	2002644
	Bracket for Ø42mm bearing ref. 2003447 or ref. 2003448	2003442
	Bracket for Ø42mm bearing ref. 2003447 or ref. 2003448	2003443
	Bracket (x100) for Ø28mm bearing ref. 2003455 or ref. 2003454	2003446 (x100)
	Bearing for opposite side Ø 11.2 - Nylon	2003599 (x1) 2006408 (x100)

ACCESSORIES FOR MANUAL OVERRIDE

FOR DMI MOTORS

PRODUCT	DESCRIPTION	REFERENCE	
		x 1	x 10
	DMI ring, length 63mm, 7mm hexa rod	9016332	-
	DMI ring, length 165mm, 7mm hexa rod	9685136	-
	DMI ring, length 325mm, 7mm hexa rod	9000848	-
	Crank hook - Ø14mm, length 1200mm	2006527	2006528
	Invisible joint, white	9685142	-
	Crank for invisible joint - Ø12mm, white	2006637	2006638

ACCESSORIES

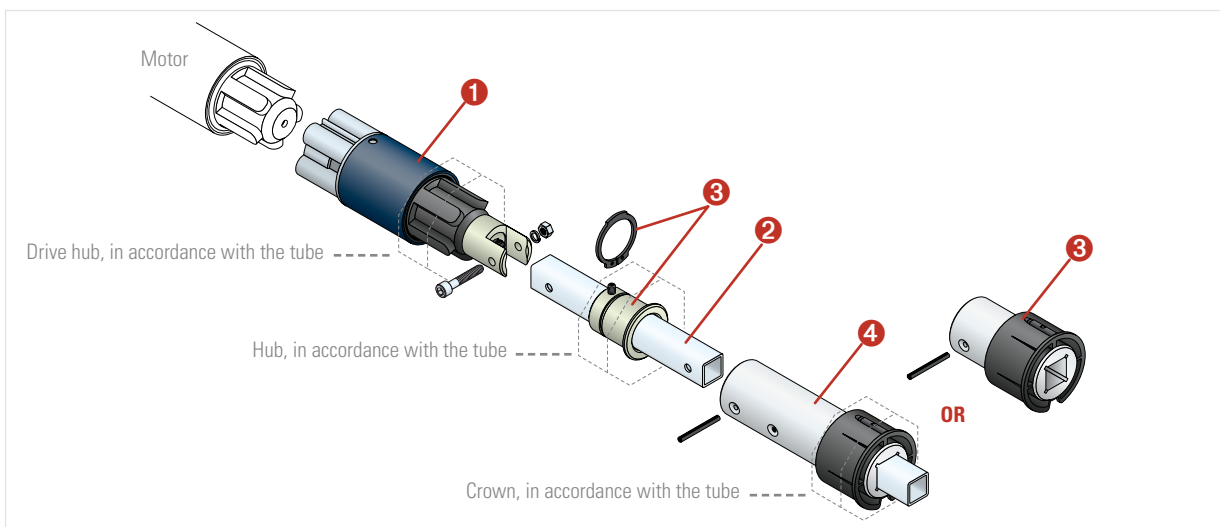
FOR MANUAL OVERRIDE WITH DIFFERENTIAL AND GEAR ON THE OPPOSITE SIDE

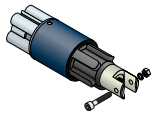
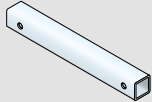
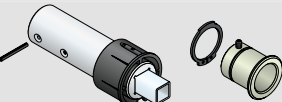
THE MANUAL OVERRIDE WITH DIFFERENTIAL AND GEAR ON THE OPPOSITE SIDE

...enables manual operation of the roller shutter thanks to a gear in case of power cut.

Two types of end caps, fixed or telescopic, enable the size to be modified.

This system is not compatible with motors with electronic end-limit system.



N°	PRODUCT	DESCRIPTION	REFERENCE
1		Differential, maxi motor torque 40Nm	9257410
2		Square link, 16mm square (bar of 6 meters)	9232000
3		Short fixed end cap and intermediate bearing	9410730
4		Telescopic end cap and intermediate bearing	9410731
		Gear 1424, without end-limit Input 7mm hexa and output 16mm square Reduction ratio 5/1	2002143
		Gear 1424, without end-limit Input 7mm hexa and output 16mm square Reduction ratio 8/1	2002145



CONTROLS

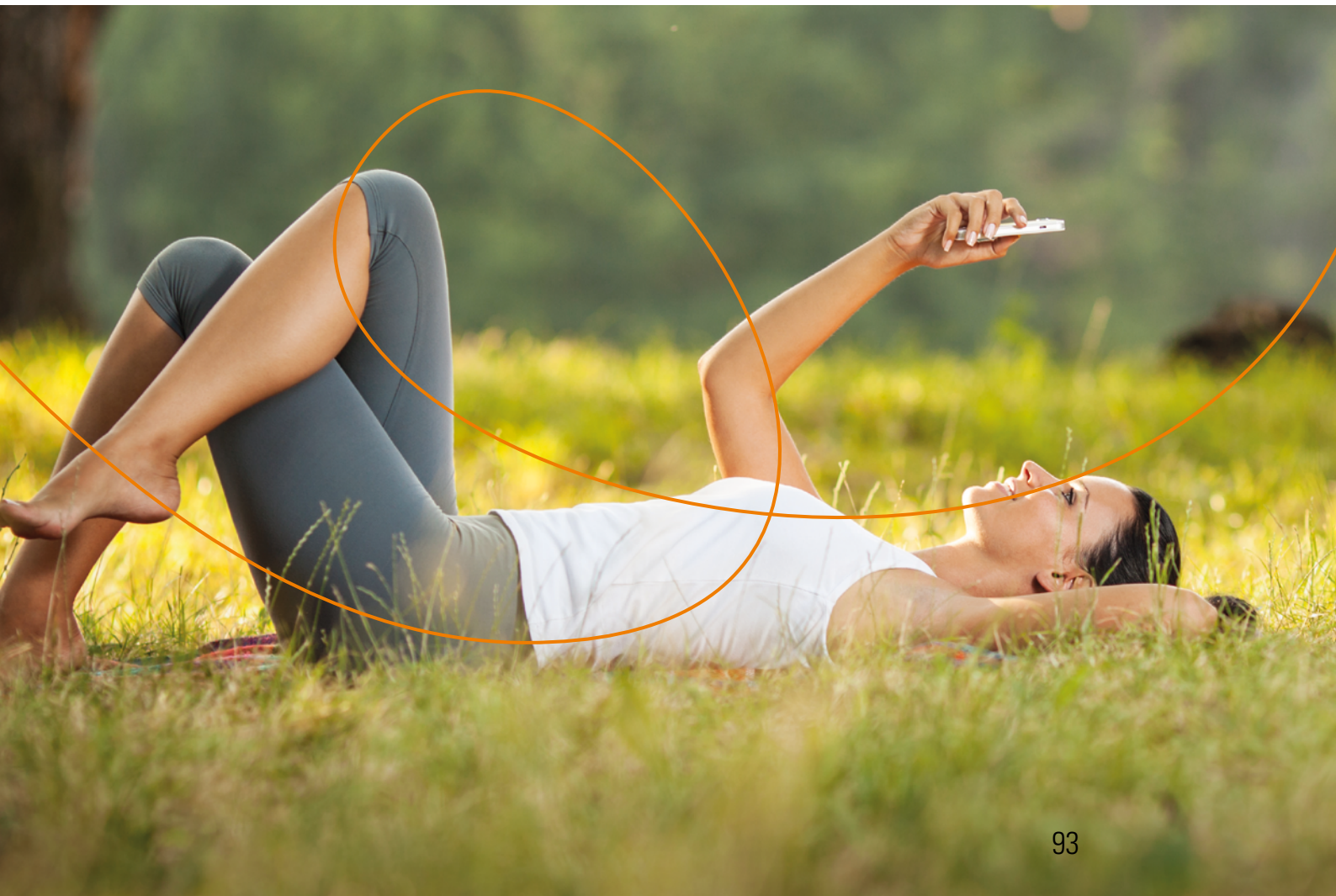
AND AUTOMATION



SIMU-BHz CONTROLS AND AUTOMATION p.98

SIMU-Hz CONTROLS AND AUTOMATION p.106

WIRED CONTROLS AND AUTOMATION p.132



RADIO RANGE

A complete range
of SIMU-Hz radio controls
and automatic devices
to help you get exactly
what you need from your
home.

- + COMFORT
- + SECURITY
- + CUSTOMIZATION
- + SCALABLE

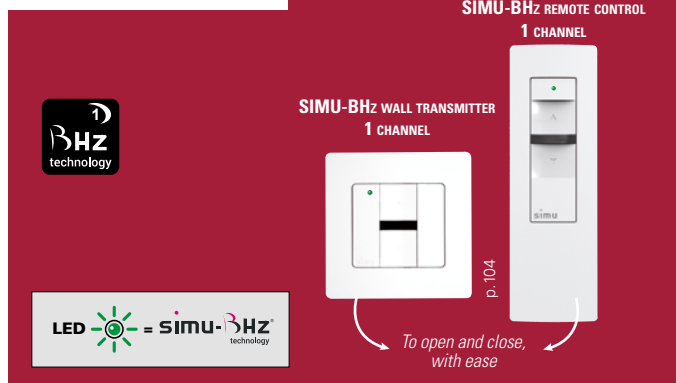
GET CONNECTED...



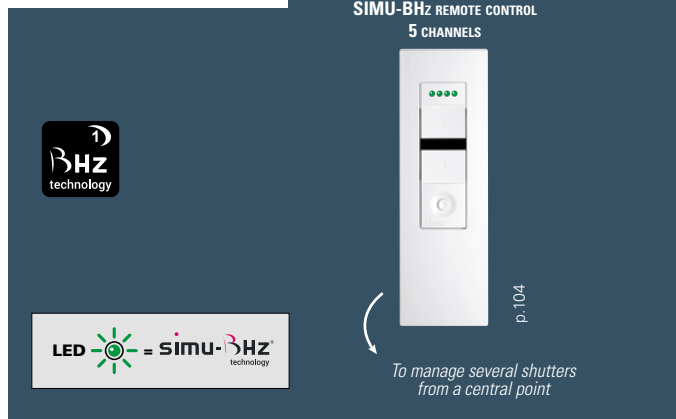
simu-BHz
technology

with information feedback

CONTROL...



PROGRAM...



UPGRADE...



Compatible with
SIMU radio ranges:

simu-BHz
technology

&

simu-Hz
technology

To associate with the LiveIn2 control solution

OUTDOOR SUN SENSOR

LiveIn2



p.103

SCENARIO TRANSMITTER

LiveIn2



p.102

The addition of the BHz exterior sun sensor means that you can now create conditions for automating your shutters depending on the level of sunlight.

...gives the opportunity to play two scenarios among those created in the LiveIn2 application

simu-Hz
technology

without information feedback

CONTROL...

MEMORY WALL TRANSMITTER



p.108

To open and close your shutter at the same time every day

SIMU-Hz WALL TRANSMITTER
1 CHANNEL



p.106

To open and close, with ease

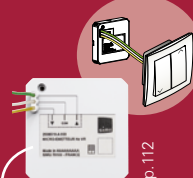
SEQUENTIAL WALL TRANSMITTER



p.110

One button to switch your lighting on and off

HZ MICRO TRANSMITTER



p.112

To convert any wire-connected switch on the market into a SIMU-Hz wireless command

PROGRAM...

SIMU-Hz REMOTE CONTROL
5 CHANNELS

SIMU-Hz WALL TRANSMITTER
5 CHANNELS



p.118

To manage several shutters from a central point

REMOTE CONTROL:
COLOR MULTI



p.120

To control all your equipment

PROGRAMMABLE REMOTE CONTROL:
TIMER MULTI



p.124

To plan when your shutters should open and close

PROGRAMMABLE REMOTE CONTROL:
TIMER EASY



p.122

UPGRADE...

MICRO-RECEIVER Hz
FOR ROLLER SHUTTERS



p.128

To control a wired motorisation roller shutter by remote.
To centralise several wired motorisation roller shutters, to programme their movements or control them from a smartphone.

MICRO-RECEIVER Hz
FOR LIGHTING



p.129

To control lighting by remote.
To programme lighting or control it from a smartphone.
To add new wireless switches to an existing lighting system.

LED DC Hz RECEIVER
FOR LIGHTING



p.131

ON/OFF REMOTE CONTROL PLUG



p.127

To control lighting or electrical appliance by remote.
To programme it or to control it from a smartphone.

FIND OUT MORE ABOUT THE NEW

SIMU-BHz RADIO RANGE

WHAT IS BHz?



This is the new radio range with information feedback developed by SIMU, a range based on a reliable and secure technology.

- 868 MHz radio frequency.
- With 3 possible frequency bands (automatic selection of the best one).
- Radio installation secured by a unique 128-bit encryption key.
- Effective range of 20 metres in a concrete structure.

BENEFITS

LiveIn²
powered by



Thanks to this new range the LiveIn2 smartphone control solution now offers new functions.

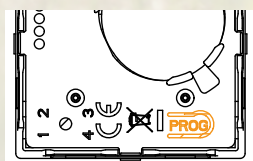


INFORMATION FEEDBACK
I can see the status and positions of my BHz shutters from the equipment menu in real time.



MORE PRECISION
I can select the opening setting for my shutter to the preferred position from the control menu.

CONTINUITY OF SIMU-Hz RADIO



This new range does not require you to change your installation habits as they remain the same as with Hz radio, whilst the LiveIn2 solution at the centre of the range will ensure the continuity of your projects.

HOW TO DISTINGUISH A BHz TRANSMITTER FROM Hz?



UNDERSTANDING BHz LOGOS



Transmission to a receiver/motor, without information feedback.



Dialogue between the transmitter and the receiver/motor, which confirms the reception of the order sent.

THE RANGE IN BRIEF



CONNECTED SOLUTION LIVEIN2 (p.98)

The LiveIn2 connected solution promises to fulfil the information feedback function made possible by this new BHz offer. Enhanced with a complementary offer including a sun sensor and a scenario transmitter enabling you to take even greater advantage of the ease and peace of mind that this control system offers.



LOCAL CONTROLS (p.104)

The simple BHz control points, whether mobile or wall-mounted, make it possible to control devices directly with the added benefit of maintaining the design of your installation.



NEW BHz MOTORS (p.30-32-34)

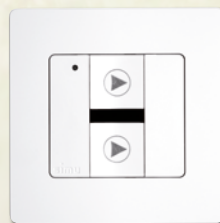
SIMU's range of BHz motorisations starts with the T3.5 E BHz, T5 E BHz and T5 AUTOSHORT BHz roller shutter motors.

SATELLITES



OUTDOOR SUN SENSOR LIVEIN2 (p.103)

to perform scenario that are set in the LiveIn2 app, according to the sunshine on the facade of the house.



SCENARIO TRANSMITTER LIVEIN2 (p.102)

from this control point, the user can directly perform two LiveIn2 scenarios that are set in the app.



WIFI LIVEIN2 KEY

To set equipments on the LiveIn2 app, without creating an account and without having access to the internet network.

SIMU CONNECTED SOLUTION

LiveIn²™



LIVEIN2 CONNECTED SOLUTION

consisting of a box and a dedicated mobile app.
...for controlling from a smartphone or tablet SIMU radio equipment (SIMU-Hz and SIMU-BHz)

USE:

- Centralization and home automation
- Use from home or outside the home

DESCRIPTION	REFERENCE
LIVEIN2 BOX	2009201
DESCRIPTION	REFERENCE
LIVEIN2 WIFI USB DONGLE	2009287

Compatible with radio SIMU ranges:

SIMU-Hz technology & **SIMU-BHz** technology
with information feedback



END-USER BENEFITS

LIVEIN2, THIS IS THE SIMPLEST REMOTE CONTROL THERE IS -
THE ONE THAT'S ALWAYS WITHIN EASY REACH!

FOR YOUR USERS:

Whether you're at home or on the move, the LiveIn2 app lets you control your home's devices with a smartphone or tablet: rolling shutters, awnings, screens, garage door, lighting ...

According to your needs, you will be able **to customize your installation**.

More than just direct control of devices, you will create **scenarios**, that enable you to perform a sequence of commands on several devices at the same time with a single click, **or automatic orders** following chosen times and conditions.

You don't have to worry about your shutters, they open and close automatically for greater comfort, more safety and energy savings.

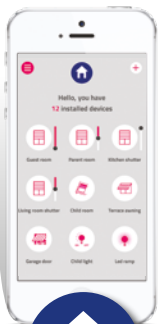
Enhanced by **a compatibility with a new BHz radio range**, you benefit from peace of mind of **an information feedback on the status of your equipment**.

INSTALLER BENEFITS

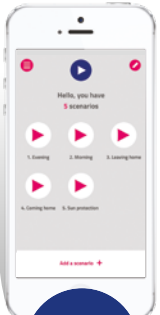
The LiveIn2 application offers **an installer mode**, without need for an account creation, flexible and intuitive, to allow you to manage all installation cases.

The LiveIn2 box includes **dual technology**, radio Hz and **the new radio BHz**. Your Hz projects are followed and are made compatible with BHz modernisation.

4 POSSIBILITIES TO CONTROL YOUR EQUIPMENTS




EQUIPMENTS
DIRECT CONTROL OF DEVICES
OR BY CHOSEN GROUPS




CLOCKS
TIME CLOCK PROGRAMS
Automate based on pre-determined times : fixed schedule, dusk, dawn, presence simulation function ...
Possibility of deactivating the clocks individually.



SCENARIOS
SCENARIO CREATION AND LAUNCH
Perform a sequence of orders on several devices.
Ex: «departure» scenario which closes all the shutters and switches off the lights.




SENSORS AND IF-THEN
ADD A SUN SENSOR
The addition of the BHZ exterior sun sensor enables to create conditions for automating shutters depending on the level of sunlight.

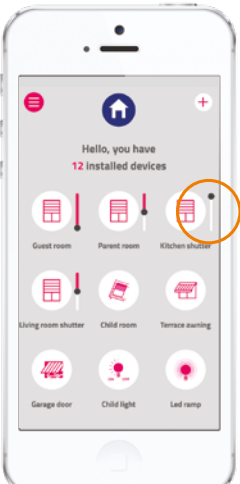


NEW SIMU-BHz

WHAT IS SIMU-BHz?

This is the new radio range with information feedback proposed by SIMU.

LiveIn²
powered by
BHz
technology



INFORMATION FEEDBACK
I can see the position of my BHZ shutters from the equipment menu in real time.

MORE PRECISION
I can select the opening setting for my shutter to the preferred position from the control menu.



INSTALLATION

To install and use LiveIn² you need:

Equipped home with devices

simu-HZ and/or **simu-HZ**
technology



have an Internet box
at home



compatible app.
1 smartphone or tablet



Minimum ANDROID 5.0
or Minimum IOS 9
WITH WIFI OR 3G / 4G INTERNET ACCESS



LiveIn² box



FOR INSTALLERS



The application offers

an installer mode

without an account

and without Internet

to configure the devices very simply...



BY WIFI KEY

SIMU installation accessory.

OR



BY LAN

You have the choice to use a standard wifi router or to use the customer's Internet network by having previously retrieved the wep key of his network.



SUPPORT

SIMU is fully committed to assisting you both in selling the solution to the user and for its installation.



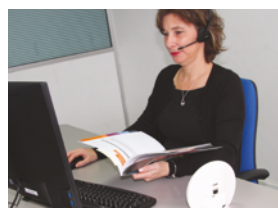
A DEDICATED WEBSITE

www.livein.simu.com

All the info available online
for your customer to find
out all about the solution.



A dedicated
installer support space
with all the info
and video tutorials.



A SIMU hotline
with the possibility
for remote diagnosis.



DEMO

PLAY

TRY OUT THE APPLICATION WITH OUR DEMO MODE

SPECIFICATION



DEDICATED APPLICATION INCLUDED for smartphone and tablet available on



COMPATIBILITY radio SIMU-Hz and SIMU-BHz

List of compatible equipments on www.livein.simu.com

CONTROL Remote control of equipment (individually/per groups)

*(Recommended: 30 Hz / 30 BHz / 20 groups) **

FUNCTIONS **SCENARIO:** per app or scenario transmitter **

*(Recommended: 30 scenarios on app / 10 transmitters) **

CLOCK: Fixed schedule: presence simulation available

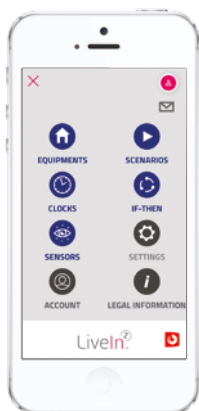
Cosmic time: dusk, twilight

*(Recommended: 30 clocks) **

SENSOR AND IF-THEN **

*(Recommended: 20 sensors / 20 if-then) **

UPDATES Included access to automatic updates



* For a smooth operation of the LiveIn2 interface and installation, we recommend limiting the functions even though it is possible to save more.

** Functionality available only by adding satellite products (scenario transmitter, sun sensor)

LiveIn² BOX

OPERATING TEMPERATURE 0°C - 50°C, max. 85% RH

PRODUCT CLASS II

INDEX PROTECTION RATING IP20

SIZE 151x142x60mm

CONSUMPTION IN NORMAL OPERATING continuous 5V / 2A

MAINS ADAPTER Input : 100V-240V ~ 50Hz/60Hz

Output : 5V continuous 2A

RADIO FREQUENCY  - 868-870 MHz SIMU-BHz two-way, tri-band

 - 433.420 MHz SIMU-Hz

RADIO RANGE 200 meters in open field
20 meters trough 2 reinforced concrete walls



RADIO CONTROL

SCENARIO TRANSMITTER

LIVEIN2



WALL SCENARIO TRANSMITTER,

The scenario transmitter gives the opportunity to play two scenarios among those created in the LiveIn2 application.

DESCRIPTION	REFERENCE
TRANSMITTER BHz SCENARIO LIVEIN2	2009225

*Delivered with battery.
(wall fixing screws not included)*



Collection of coloured frames to customize the transmitters.
(9 colours available) p.106

PRODUCT BENEFITS

PLAY YOUR FAVORITE SCENARIOS FROM A WALL CONTROL POINT

100% COMPATIBLE WITH SIMU RADIO: through LiveIn2, it can control both Hz and BHz equipment.

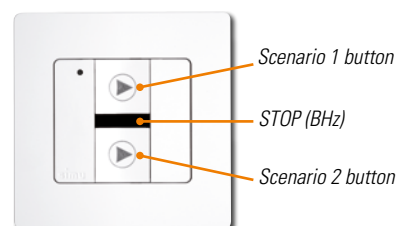
EASY PROGRAMMING: from the LiveIn2 app, assign to each button of the transmitter a scenario so that you can launch it directly from the transmitter. If necessary, the choice of assigned scenarios may be modified.

PRACTICAL: it can be placed wherever you want; for instance at the entrance of the house, to play the scenarios «close all» / «open all». This control point will still operate with LiveIn2 box even if there is an Internet breakdown.

CUSTOMIZABLE: a collection of frames with stylish colours and decorations lets you to customize the transmitter and bring a unique touch to your decor.

SPECIFICATION

POWER SUPPLY	PILE 3V CR2430
RADIO RANGE	150 m in open field and 15 meters through 2 reinforced concrete walls
SIZE	80x80x10mm
OPERATING TEMPERATURE	0° to +45°C
RADIO FREQUENCY	868-870 MHz
PROTECTION INDEX	IP30
PRODUCT CLASS	III
COMPATIBILITY	Through the connected solution LiveIn2 compatible with motors and receivers SIMU-Hz and SIMU-BHz



RADIO AUTOMATION

OUTDOOR SUN SENSOR

LIVEIN2



OUTDOOR SUN SENSOR

to perform scenario that are set in the LiveIn2 app,
according to the sunshine on the facade of the house.

DESCRIPTION	REFERENCE
OUTDOOR BHz SUN SENSOR	2009338

Delivered with 2 type AA (LR6) batteries, plugs and screws.

PRODUCT BENEFITS

MORE THERMAL COMFORT THROUGHOUT THE YEAR... ENERGY SAVINGS IN PERSPECTIVE.

Associated with the LiveIn2 control solution, the BHz outdoor sun sensor allows in winter to manage the automatic opening of the shutters to enjoy the sunshine, while in summer, it automatically closes the shutters / screens to preserve the coolness inside the house.

100% COMPATIBLE WITH SIMU RADIO: through LiveIn2, it can control both Hz and BHz equipment.

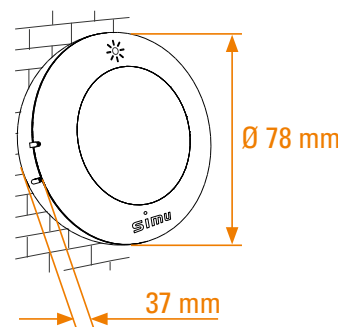
CONVENIENT: wireless radio sensor powered by 2 batteries, it can be located on an exterior wall of the house and it measures the sunlight from dawn to dusk. From the LiveIn2 application, you can check the battery level.

SIMPLE AND FAST PROGRAMMING: first associate the sun sensor with the LiveIn2 application, then easily create the conditions for opening or closing the equipment of the installation.

FLEXIBLE: these opening or closing conditions can be deactivated at any time from the LiveIn2 application.

SPECIFICATION

- POWER SUPPLY** LR6 / AA - 1,5 V
- RADIO RANGE** 250 m in open field
- OPERATING TEMPERATURE** from - 20°C to + 55° C
- PROTECTION INDEX** IP 34
- SIZE** Ø78 mm x 37 mm
- MESURES** 50 Lux to 100 k Lux
- WEIGHT** 150g
- ANGLE OF DETECTION** 120°
- RADIO FREQUENCY** 868-870 MHz
- COMPATIBILITY** Through the connected solution LiveIn2
compatible with motors
and receivers SIMU-Hz and SIMU-BHz



RADIO CONTROL

BHz RADIO TRANSMITTERS



BHz TRANSMITTERS RANGE

range of transmitters for local control of the new SIMU-BHz radio motor range.

DESCRIPTION		REFERENCE
WALL TRANSMITTER BHz 1C	x1	2009078
WALL TRANSMITTER BHz 1C	x100	2009079
MOBILE TRANSMITTER BHz 1C	x1	2009072
MOBILE TRANSMITTER BHz 5C	x1	2009202
WALL BHz TRANSMITTER 1C PERSO	x100	2009542

*Delivered with battery.
Mobile version delivered with wall bracket.
(wall fixing screws not included in both cases).*



Collection of coloured frames to customize the transmitters.
(9 colours available) p.106

PRODUCT BENEFITS

A TRANSMITTER FOR EVERY USE: choose either a wall version that can be placed where you want or a remote version that's always within easy reach.

THE MOBILE TRANSMITTER: compact, ergonomic and practical, it fits easily in the hand and can also be hung up on the wall thanks to its magnetic bracket.

A TOUCH OF COMFORT: record a favourite position on your roller shutter or awning and activate it by simply pressing the stop button.

CUSTOMIZABLE WALL VERSION: a collection of frames with trendy colors and decorations to bring a unique touch to your interior decoration.

A 5 CHANNEL TRANSMITTER TO MANAGE MULTIPLE SHUTTERS: control from the same transmitter up to 5 shutters or group of shutters.

SPECIFICATION

POWER SUPPLY **Wall version:** 3V type CR 2430
Mobile version: 3V type CR 2032

OPERATING TEMPERATURE 0°C to +45°C

RADIO RANGE **Wall version:** 150 meters in open field
and 15 meters through 2 reinforced concrete walls
Mobile version: 200 meters in open field
and 20 meters through 2 reinforced concrete walls

COMPATIBILITY with BHz motors and receivers

RADIO FREQUENCY 868-870 MHz

PROTECTION INDEX IP30

PRODUCT CLASS III

SIZE **Wall version:** 80x80x10mm
Mobile version: 125x40x15mm



RADIO RECEIVER

BHz ON/OFF PLUG



REMOTE CONTROL PLUG WITH INFORMATION FEEDBACK

...to control lighting and electrical appliance up to 1800W.

USE:

Allows to turn on and off a device with SIMU-BHz radio:
hand held transmitter and smartphone.

DESCRIPTION	REFERENCE
PLUG BHz ON/OFF_ E-type	2009373
PLUG BHz ON/OFF_ F-type	2009374

PRODUCT BENEFITS

EASY AND QUICK TO INSTALL

The Plug BHz ON/OFF exists in 2 versions (E-type and F-type) and may therefore be inserted into any power outlet and paired very simply to transmitters through its front programming button.

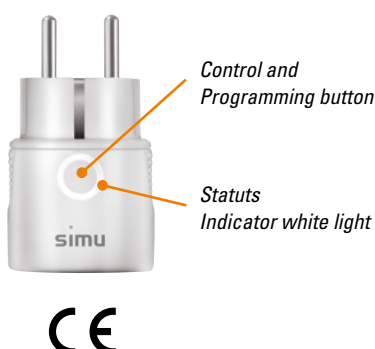
DESIGN AND ET PERFORMANT

Thanks to its compact size and discreet design, the plug BHz blends into the home's decor while the performance of its radio range allows to install plugs in any room of the house while enjoying a centralization command.

THE POSSIBILITY OF SMARTPHONE CONTROL WITH INFORMATION FEEDBACK

By associating the plug BHz with the LiveIn2 control solution, it is possible to control its light far from home, and to know continuously whether it is on or off. It also becomes possible to program it so as to make it turn on and off automatically at the desired times (for example, in its absence to simulate a presence).

SPECIFICATION



POWER SUPPLY 230 V AC, 50 Hz, 8 A max

PROTECTION INDEX IP20 (inside use, in a dry room)

CONTROL OUTPUT Resistive load 1800 W
Fluorescent 200 W
LED 150 W

RADIO RANGE 200m in open field
8m through 2 reinforced concrete walls

TRANSMITTER COMPATIBILITY Transmitters Simu-BHz (10 max)
LiveIn2

RADIO FREQUENCY 868-870 MHz

DIMENSIONS Ø : 45mm -L : 73mm

RADIO CONTROL

1 CHANNEL TRANSMITTER



WALL AND MOBILE TRANSMITTER 1 CHANNEL

USE:

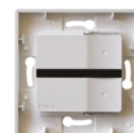
- Individual control.
- It can also be used to centralize the system.

DESCRIPTION	x1	REFERENCE x10	x100
1 C WALL HZ TRANSMITTER	2008369	2008370	2008495
1 C MOBILE HZ REMOTE CONTROL	2008799	-	-

Delivered with battery. Mobile version supplied with wall bracket (wall fixing screws not included in both cases)

Transmitters to custom (delivered without the frame):

DESCRIPTION	REFERENCES
WALL HZ TRANSMITTER 1C PERSO	x100 2009070



PRODUCT BENEFITS

A TRANSMITTER FOR EVERY USE: choose either a wall version that can be placed where you want or a remote version that's always within easy reach!

THE REMOTE CONTROL: compact, ergonomic and practical, it fits easily in the hand and can also be hung up on the wall thanks to its magnetic bracket.

ELEGANT, both understated and modern, this new transmitter easily blends into any kind of decor. A collection of frames with stylish colours and decorations lets you to customise the wall transmitters and bring a unique touch to your decor. You'll find this signature in the entire collection of SIMU-Hz transmitters.

A TOUCH OF COMFORT: record a favourite position on your roller shutter or awning and activate it by simply pressing the stop button.

COLLECTION OF COLOURED FRAMES TO CUSTOMIZE THE WALL TRANSMITTER

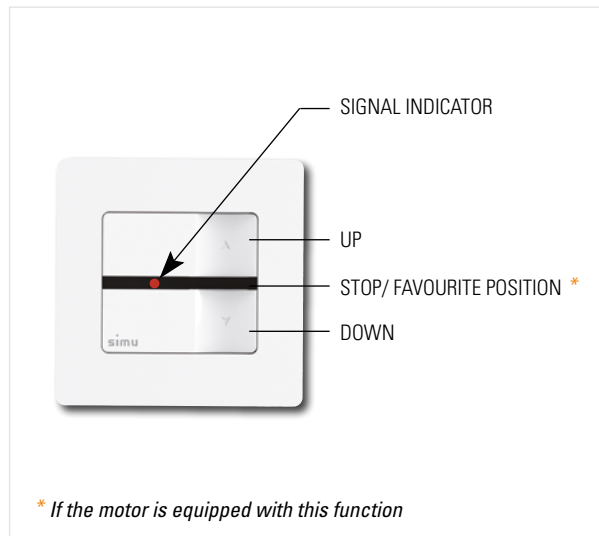
9 COLOURS AVAILABLE

									
	Anthracite	Taupe	Raspberry Red	Mineral Blue	Brushed Alu	Zebrano	Lily flower	Zebra	Anthracite chrome
Frames for wall version	9019766	9019767	9019768	9019769	9019770	9019771	9019772	9019773	9019774

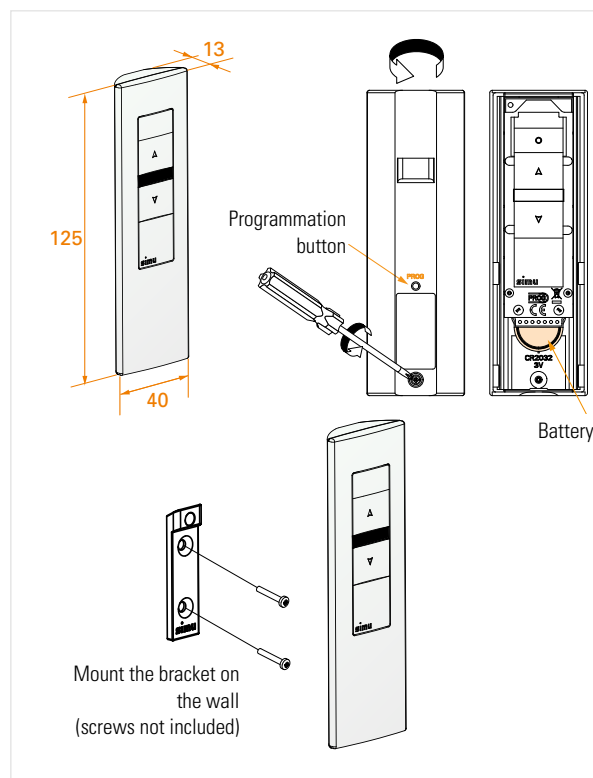
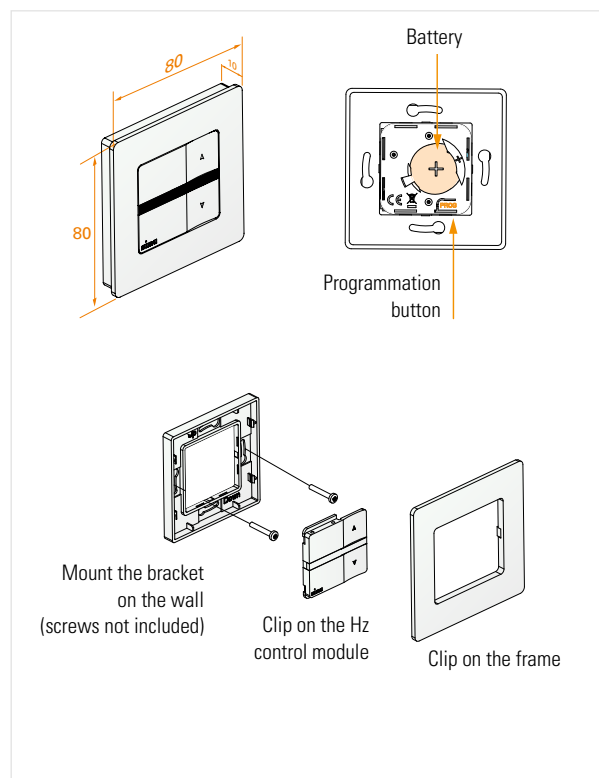
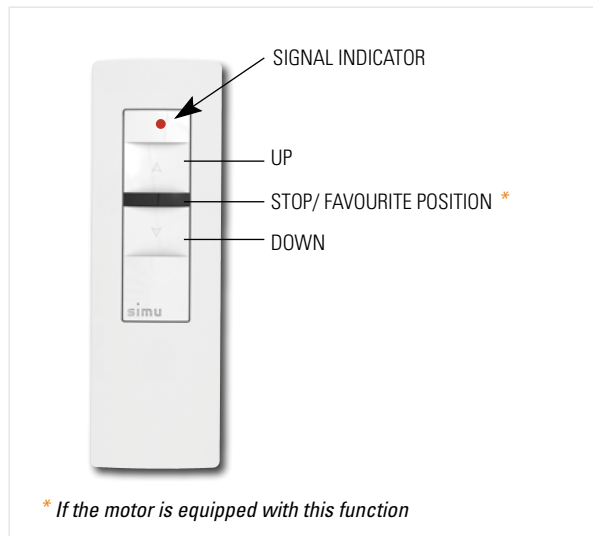
The frames are packaged individually

TECHNICAL CHARACTERISTICS

WALL VERSION



MOBILE VERSION



POWER SUPPLY Wall version: 3V type CR 2430
Mobile version: 3V type CR 2032

RADIO RANGE Wall version: 150 meters in open field and 15 meters through 2 reinforced concrete walls
Mobile version: 200 meters in open field and 20 meters through 2 reinforced concrete walls

SIZE Wall version : 80x80x10 mm
Mobile version: 125x40x15 mm

OPERATING TEMPERATURE 0°C to +45°C

RADIO FREQUENCY 433.42 MHz

PROTECTION INDEX IP30

PRODUCT CLASS III

COMPATIBILITY SIMU-Hz motors and receivers



RADIO CONTROL



MEMORY Hz WALL TRANSMITTER



1-CHANNEL WALL TRANSMITTER
WITH 24-HOUR REPETITION FUNCTION
...automation solution for a roller shutter

USE:

- Individual control.
- Use in manual or automatic mode.

DESCRIPTION	REFERENCE x1
MEMORY HZ WALL TRANSMITTER	2008732

Delivered with battery (screws for wall fixation not included).

PRODUCT BENEFITS

CONVENIENCE: no more worries about opening or closing your roller shutter. Thanks to the memory function , it will automatically open, close, and even go to the favorite position each day at the same time.

PRACTICAL: the lcd screen shows the remaining time before the next command, the activated functions and it alerts you in case of low battery.

SECURITY when you're away thanks to the presence-simulation function which varies the programmed schedules randomly.

EASY TO USE, simply press and hold one of the buttons (up, favorite position, or down), at the desired time to record the command which will be repeated every 24 hours.

AUTOMATIC MODE CAN BE DISABLED AT ANY TIME, to switch to manual control mode.

ELEGANT: both understated and modern, this new transmitter easily blends into any kind of decor. A collection of frames with stylish colours and decorations lets you customise the transmitters and bring a unique touch to your decor.

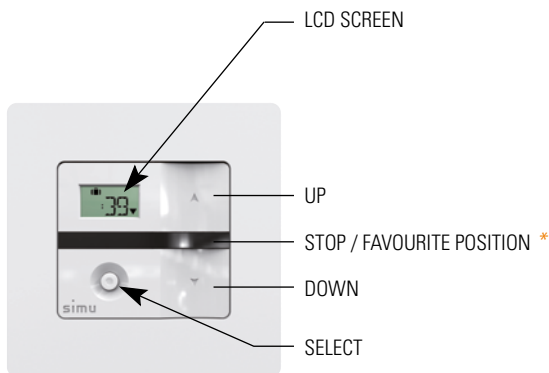
COLLECTION OF COLOURED FRAMES TO CUSTOMIZE THE TRANSMITTER

9 COLOURS AVAILABLE

									
	Anthracite	Taupe	Raspberry Red	Mineral Blue	Brushed Alu	Zebrano	Lily flower	Zebra	Anthracite chrome
Frames for wall version	9019766	9019767	9019768	9019769	9019770	9019771	9019772	9019773	9019774

The frames are packaged individually

TECHNICAL CHARACTERISTICS

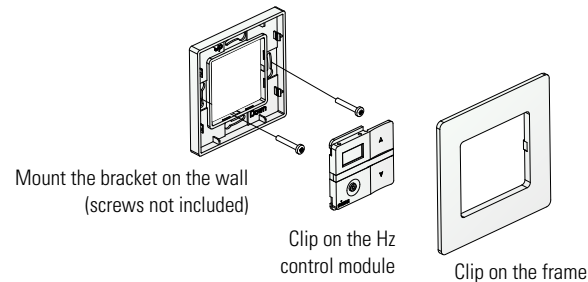
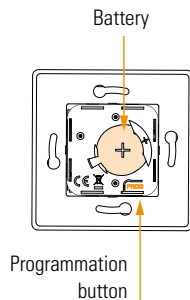
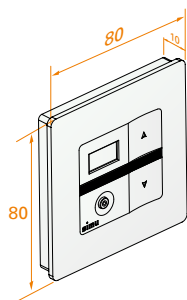


LCD screen display:

- Signal indicator
- Presence-simulation function activated
- Low battery indicator
- :39 Remaining time before the next command

Screen goes on standby after 2 minutes

* If the motor is equipped with this function



POWER SUPPLY 3V CR2430 battery

RADIO RANGE 150 meters in open field and 15 meters through 2 reinforced concrete walls

SIZE 80 x 80 x 10 mm

OPERATING TEMPERATURE 0°C to +45°C

RADIO FREQUENCY 433.42 MHz

PROTECTION INDEX IP30

PRODUCT CLASS III

COMPATIBILITY SIMU-Hz motors and receivers



RADIO CONTROL

SEQUENTIAL Hz TRANSMITTER



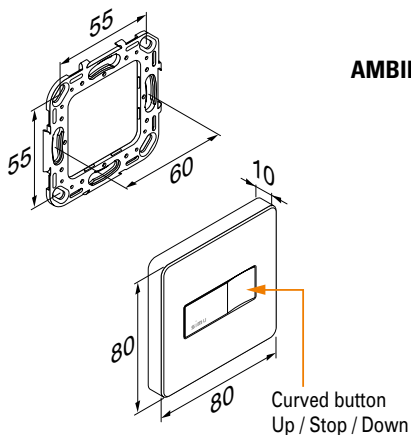
SEQUENTIAL Hz TRANSMITTER - 1 CHANNEL

USE:

- Transmitter only for individual control.
- Not compatible with group or general control.
- Cannot be used for end-limit setting.

DESCRIPTION	PACKAGING	REFERENCE
SEQUENTIAL HZ TRANSMITTER	x 1	2008401

SPECIFICATION



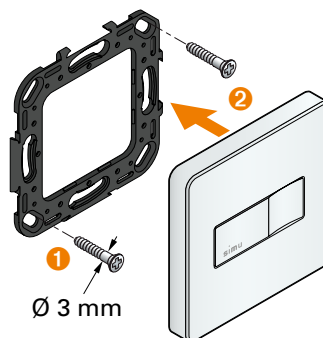
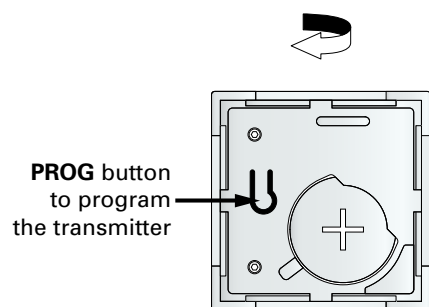
PRODUCT CLASS class III
POWER SUPPLY 3V - type CR2430 battery
AMBIENT TEMPERATURE OF USE from -10°C to +45°C
PROTECTION INDEX IP 30

RANGE ~200 m in free field
 and ~20 m through 2 reinforced concrete walls
 (depends on the environment and radio pollution)

RADIO FREQUENCY 433.42 MHz
COMPATIBILITY SIMU motors with integrated or external SIMU-Hz radio receiver, also with GM800 and GM1000 motors, SD100Hz control boxes and micro Hz receiver for lighting.



ASSEMBLY



- 1 Attach the bracket to the wall
- 2 Clip the transmitter to the bracket

RADIO CONTROL



DRY CONTACT Hz TRANSMITTER



DRY CONTACT Hz TRANSMITTER

USE:

- Enables one or several radio motors to be controlled with a secure key box (sold separately). See page 144.
- Indoor use.

DESCRIPTION	REFERENCE
DRY CONTACT Hz TRANSMITTER	2006020
ACCESSORIES	REFERENCE
Surface mounting box	9154122

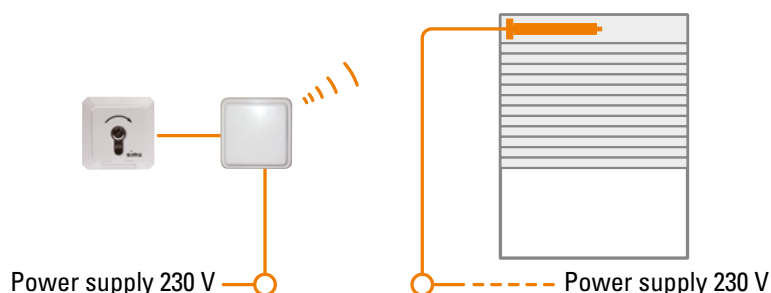
SPECIFICATION

PRODUCT CLASS	class III
POWER SUPPLY	220-230 V~ // 50-60 Hz
AMBIENT TEMPERATURE OF USE	from +5°C to +40°C
PROTECTION INDEX	IP 20 indoor use only
RANGE	~ 200 m in free fi eld ~ 20 m through 2 reinforced concrete walls (depends of the environment and of the pollution)
RADIO FREQUENCY	433.42 MHz
COMPATIBILITY	Hz Motors and external Hz receivers
ASSEMBLY	Flush mounting or surface mouting (with the box ref. 9154122)
DIMENSIONS	80 x 80 x 45 mm



OPERATING PRINCIPLE

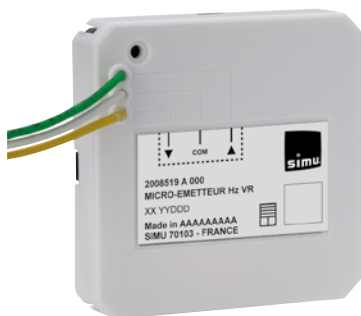
The key box is connected to the dry contact transmitter which transmits the control orders to the radio motor.



RADIO CONTROL



MICRO-TRANSMITTER Hz



FLUSH MOUNTED TRANSMITTER

... to control a SIMU-Hz Equipment from any switch

2 VERSIONS FOR 2 USES:

- RS version: to control a radio motor from a switch
- SEQ version: to control from a switch, in a sequential mode (ex. lighting)
- Cannot be used for end-limit setting.

DESCRIPTION	REFERENCE
Micro-Transmitter Hz for roller shutter RS	2008519
Micro-Transmitter Hz for lighting SEQ	2008518

Delivered with battery and 3 connection wires

FUNCTIONS AND PRODUCT BENEFITS

PRACTICAL, the micro-transmitter allows to transform any switch into a wireless control point. In this way, the user is free to choose the same brand and design of switch as the other electrical equipments of the house.

ULTRA COMPACT, it easily fits behind the switch, in the electrical box.

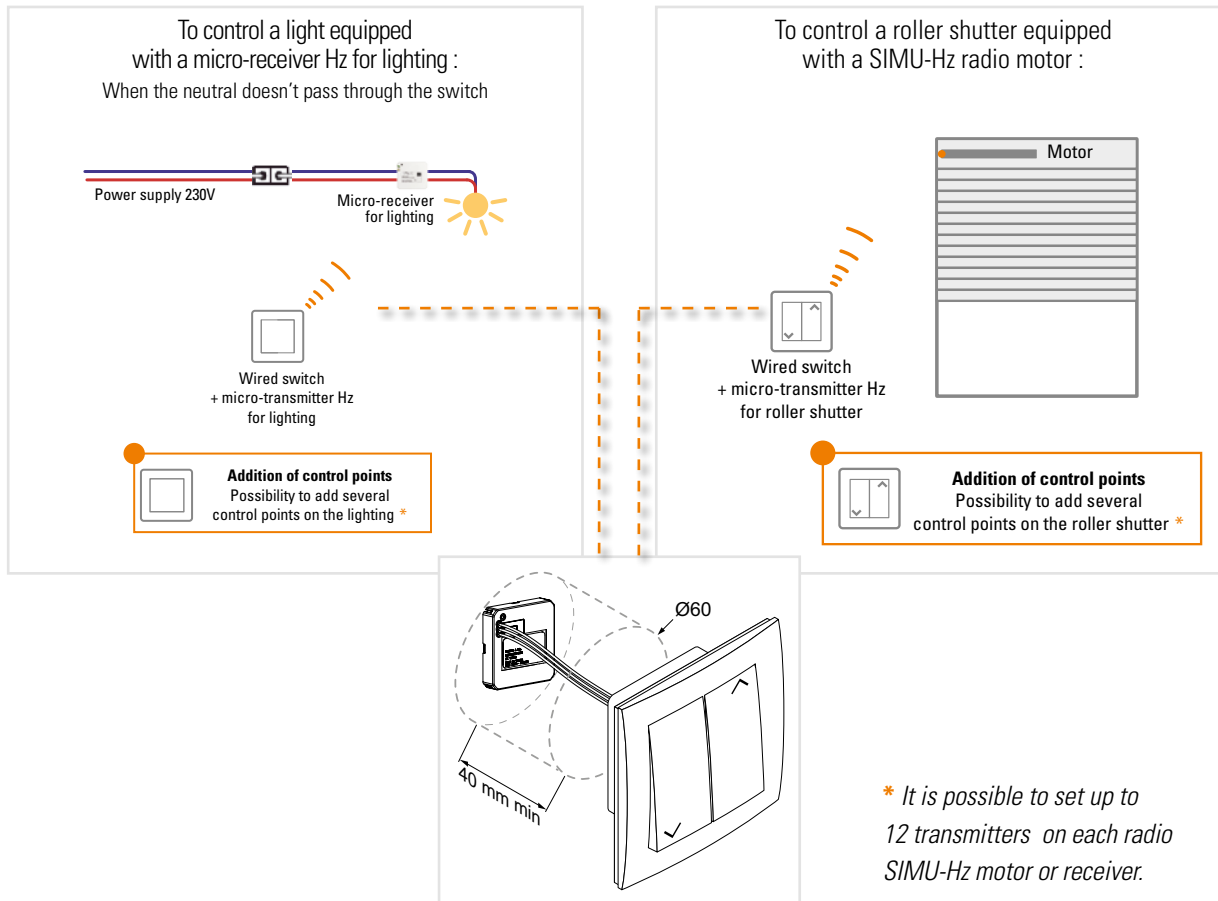
UNIVERSAL, it is compatible with any switch of the market (stable or unstable) and it keeps their operating mode.

LOW-VOLTAGE INSTALLATION, supplied with a 3v battery and directly connected to the switch.

NO WIRING REQUIRED, it is possible and easy to add one or several control points without making any hole or wireway, avoiding in this way any deterioration of inside walls.

BUILT-IN SIMU-Hz RADIO : the micro-transmitter is compatible with motors and receivers of the SIMU-Hz range.

INSTALLATION AND OPERATING PRINCIPLE



SPECIFICATION

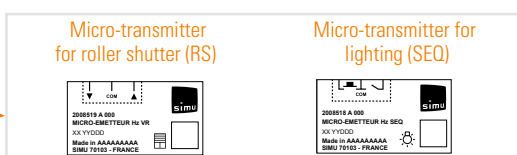
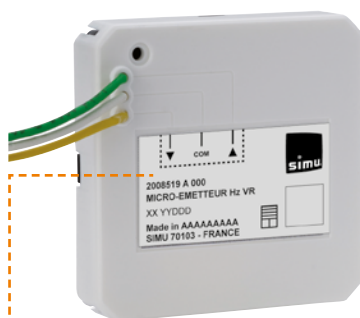
CLASS	III
POWER SUPPLY	lithium type 3V CR2430
AMBIENT TEMPERATURE OF USE	0°C to +45°C
PRODUCT DIMENSIONS	45 x 45 x 9 mm
PROTECTION INDEX	IP 30
RADIO FREQUENCY	433,42 MHz - radio SIMU-Hz
RANGE	20 m through 2 reinforced concrete walls, depends on the environment and on the radio pollution

RS VERSION :

RADIO COMPATIBILITY	Compatible with the entire range of SIMU-Hz receivers and motors
SWITCH COMPATIBILITY	stable switch (Up / Down / Stop) unstable switch (Up / Down / Stop)

SEQ VERSION:

RADIO COMPATIBILITY	Compatible with the micro-receiver for lighting and with SIMU-Hz receivers and motors
SWITCH COMPATIBILITY	switch (ON/OFF) push button (ON/OFF)



Delivered with 3 connection wires to the switch.

RADIO CONTROLS

TSA+ REMOTE CONTROL



METAL RING WITH
CHROME FINISHING



*Delivered with a holder, which can
clipped onto the sunshade of the car or
fixed to the wall.*

4 CHANNEL REMOTE CONTROL

USE:

- Control in sequential mode, up to 4 receivers SD100Hz

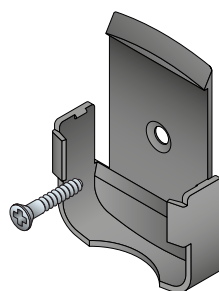
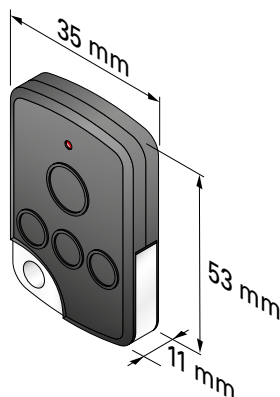
DESCRIPTION	REFERENCE		
	x 1	x 10	x 16
TSA+ Hz 4C (sold with support)	2007846	-	2008038
Wall support	-	2008886	-



Wall support



SPECIFICATION



POWER SUPPLY	3 VDC lithium battery - type CR2430 (supplied)
PROTECTION INDEX	IP 54
RADIO FREQUENCY	433.42 MHz
PRODUCT CLASS	III
AMBIENT TEMPERATURE OF USE	- 20°C to + 60°C
SECURE COMMUNICATION	Encrypted control orders + Rolling code with 16 million possible combinations
RANGE	30 meters
WEIGHT	0.046 kg
DIMENSIONS	53 x 35 x 11mm



RADIO CONTROLS



TSA 2 REMOTE CONTROL



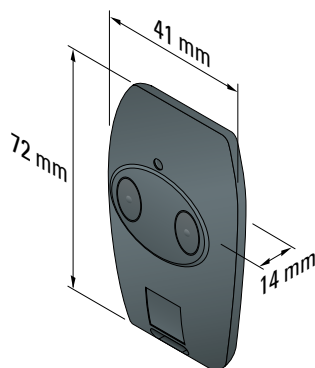
2 CHANNEL REMOTE CONTROL

USE:

- Control in sequential mode, up to 2 receivers SD100Hz

DESCRIPTION	REFERENCE
TSA Hz 2C	2005326

SPECIFICATION



POWER SUPPLY	3 VDC lithium battery - type CR2430 (supplied)
PROTECTION INDEX	IP 30
RADIO FREQUENCY	433.42 MHz
PRODUCT CLASS	III
AMBIENT TEMPERATURE OF USE	- 20°C to + 60°C
SECURE COMMUNICATION	Encrypted control orders + Rolling code with 16 million possible combinations
RANGE	30 meters
WEIGHT	0.037 kg
DIMENSIONS	72 x 41 x 14mm



RADIO CONTROLS

SA Hz RADIO KEYPAD



*Easy to install. Without wiring.
Backlit keys*

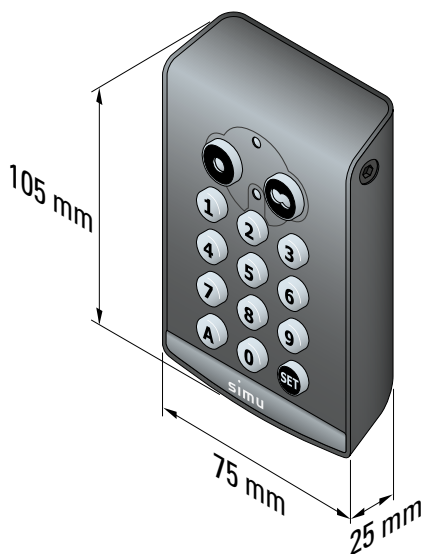
USE:

Secure control with user's code, up to 2 channels.

- 1 main code valid for the 2 control keys (full access).
- 4 secondary codes (possible), i.e. 2 per control key to give partial access to the property.

DESCRIPTION	REFERENCE
SA Hz radio keypad	2006029

SPECIFICATION



POWER SUPPLY	3 VDC lithium battery - type CR2450 (supplied)
USER'S CODE	4, 5 or 6 numbers
PROTECTION INDEX	IP 54
RADIO FREQUENCY	433.42 MHz
AMBIENT TEMPERATURE OF USE	- 20°C to + 60°C
SECURE COMMUNICATION	Encrypted control orders + Rolling code with 16 million possible combinations
RANGE	~ 200 m in free field and ~ 20 m through 2 reinforced concrete walls (its depends on the environment and radio interference)
NUMBER OF CHANNELS	2



NOTE

RADIO CONTROL



5 CHANNELS TRANSMITTER



WALL AND MOBILE TRANSMITTER 5 CHANNELS
...to control up to 5 shutters or groups of shutters

USE:

- Individual control
- Control by areas : by room, by floor
- Centralization

DESCRIPTION	REFERENCE
5 C WALL HZ TRANSMITTER	2008335
5 C MOBILE HZ REMOTE CONTROL	2008798

Delivered with battery.

Mobile version supplied with wall bracket (wall fixing screws not included in both cases)

PRODUCT BENEFITS

ONE TRANSMITTER MANAGES SEVERAL ROLLER SHUTTERS: control up to 5 roller shutters or groups of roller shutters from the same transmitter, you can also organise zones and centralisation in your house.

CLEVER: the pre-programmed «ALL» channel centralises the 5 recorded channels.

PRACTICAL: the LCD screen lets you customise each control channel with 2 characters. in addition, a signal appears when the battery level is low.

A TRANSMITTER FOR EVERY USE: choose either a wall version that can be placed where you want or a remote version that's always within easy reach!

THE REMOTE CONTROL: compact, ergonomic and practical, it fits easily in the hand and can also be hung up on the wall thanks to its magnetic bracket.

ELEGANT, both understated and modern, this new transmitter easily blends into any kind of decor. A collection of frames with stylish colours and decorations lets you to customise the wall transmitters and bring a unique touch to your decor.

COLLECTION OF COLOURED FRAMES TO CUSTOMIZE THE WALL TRANSMITTER

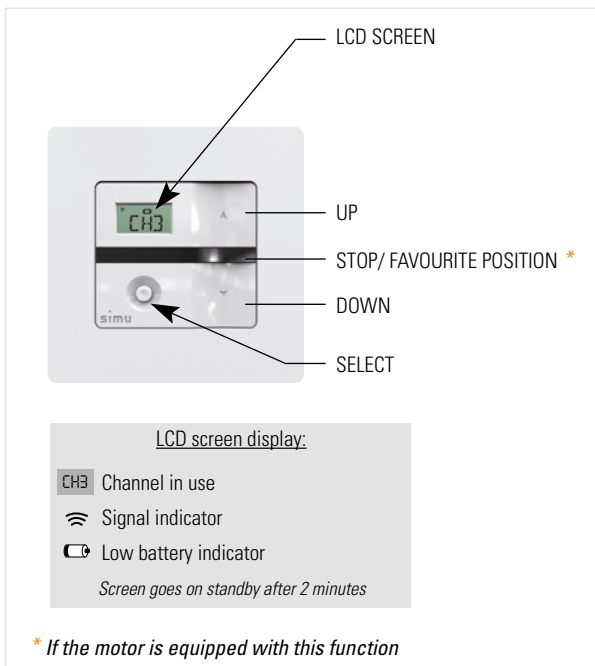
9 COLOURS AVAILABLE

									
	Anthracite	Taupe	Raspberry Red	Mineral Blue	Brushed Alu	Zebrano	Lily flower	Zebra	Anthracite chrome
Frames for wall version	9019766	9019767	9019768	9019769	9019770	9019771	9019772	9019773	9019774

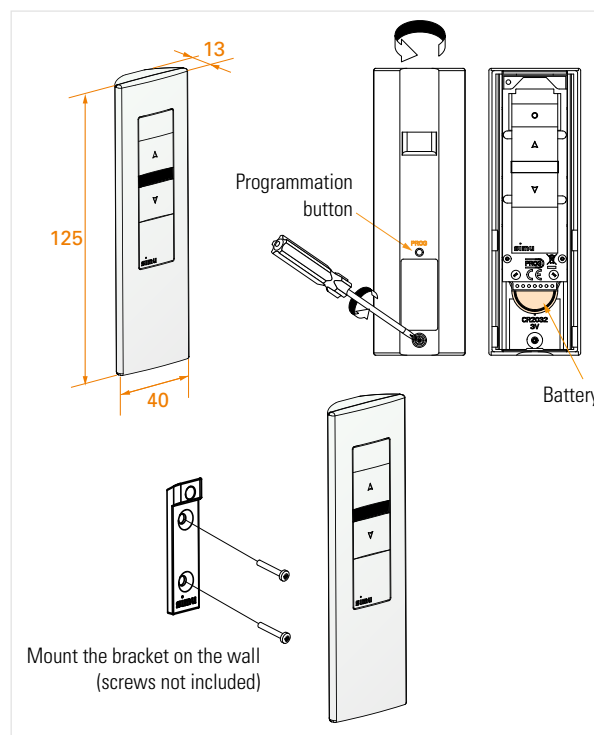
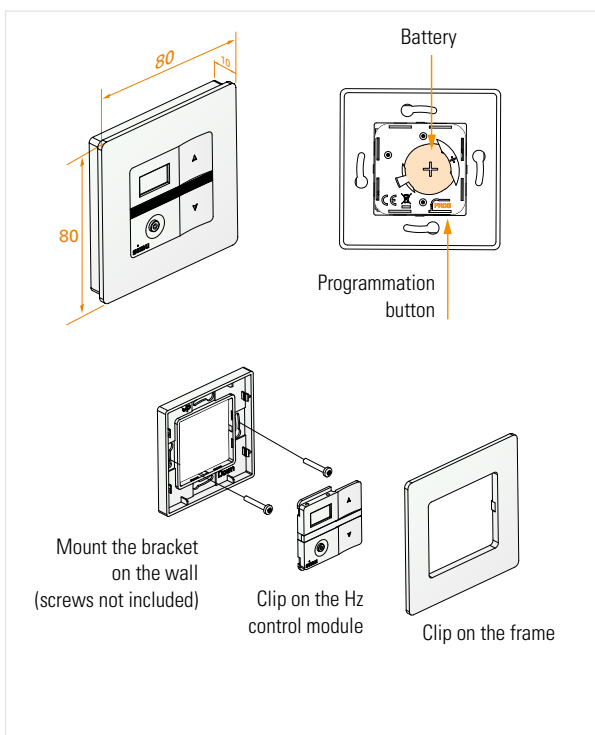
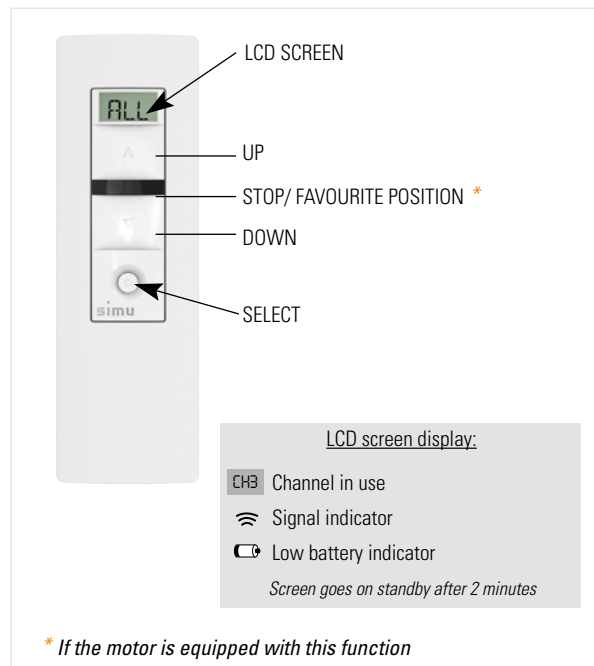
The frames are packaged individually

TECHNICAL CHARACTERISTICS

WALL VERSION



MOBILE VERSION



POWER SUPPLY	Wall version: 3V type CR 2430 Mobile version: 3V type CR 2032
RADIO RANGE	Wall version: 150 meters in open field and 15 meters through 2 reinforced concrete walls Mobile version: 200 meters in open field and 20 meters through 2 reinforced concrete walls
SIZE	Wall version : 80x80x10 mm Mobile version: 125x40x15 mm
OPERATING TEMPERATURE	0°C to +45°C
RADIO FREQUENCY	433.42 MHz
PROTECTION INDEX	IP30
PRODUCT CLASS	III
COMPATIBILITY	SIMU-Hz motors and receivers



RADIO CONTROL

COLOR MULTI REMOTE CONTROL



16 CHANNEL REMOTE CONTROL

... enabling up to 16 shutters or groups of shutters to be controlled.

USE:

- Individual control.
- Control by area: by room, by floor, etc.
- Centralization.

DESCRIPTION	COLOUR	REFERENCE
COLOR MULTI remote control	White	2007348

Delivered with battery and wall bracket (screws not included).

PRODUCT BENEFITS

MULTI CHANNEL REMOTE CONTROL: thanks to its 16 programming channels and its LCD screen, COLOR Multi gives the opportunity to organize and manage, in individual or group controls, all the roller shutters and awnings of the house, being roller shutters of the living room, the bedrooms, the bathroom or even the awning on the terrace.

It is no longer necessary to move around, COLOR Multi is a remote control! It is no longer necessary to multiply the remote control either, COLOR Multi can control everything!

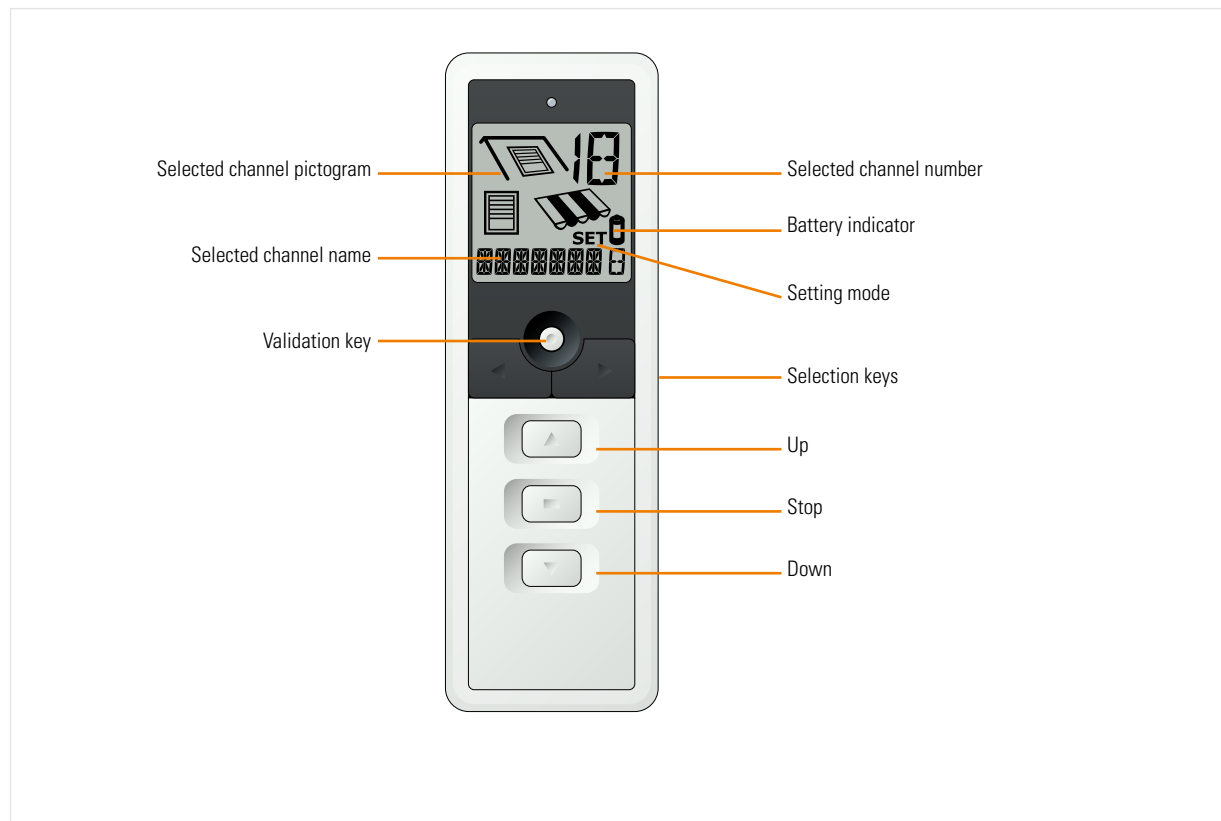
THE LCD SCREEN SERVING SIMPLICITY: Thanks to the information on this screen, you always know everything about the product working or in programming.

CREATE MADE-TO-MEASURE CONTROLS: The naming function combined to the numerous possibilities of controls give the opportunity to personalize COLOR Multi for each user, with the name he has chosen per control (for example: bedroom1, living, terrace...)

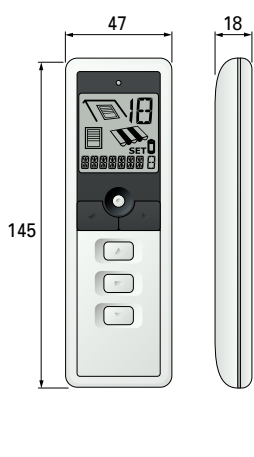
OPERATING PRINCIPLE

ADVANCED HOME MANAGEMENT: each one of the 16 channels can be used for individual, area or centralized control.

LCD SCREEN ENABLING EACH CONTROL/CHANNEL TO BE CUSTOMIZED: naming (7 letters + 1 figure) + channel number (from 1 to 16) + Selected channel pictogram (facade or roof shutter or awning).



SPECIFICATION



PRODUCT CLASS	class III
POWER SUPPLY	2x1,5V batteries - LR03 AAA type
AMBIENT TEMPERATURE OF USE	from 0°C to +45°C
PROTECTION INDEX	IP 20
RANGE	~ 200 m in free field ~ 20 m through 2 reinforced concrete walls (depends of the environment and of the pollution)
RADIO FREQUENCY	433.42 MHz
COMPATIBILITY	Hz Motors and external Hz receivers



RADIO AUTOMATION

TIMER EASY REMOTE CONTROL



1 CHANNEL PROGRAMMABLE REMOTE CONTROL

USE:

- Centralization and home automation.
- Use in manual or automatic mode.

DESCRIPTION	COLOUR	REFERENCE
TIMER EASY remote control	White	2008188

Delivered with battery and wall bracket (screws not included).

PRODUCT BENEFITS

THE COMFORT OF AUTOMATIC CENTRAL CONTROL: TIMER Easy enables 1 opening and 1 closing per day of all the house's roller shutters to be programmed.

READY TO USE: For easy and quick setting, it is delivered already programmed. Opens at 7.30 am and closes at 8.00 pm, and automatically changes for winter/summer time (Paris/Europe time zone).

PROGRAMMING IS EASY TO CHANGE: Thanks to the «memory» function, simply pressing the up or down button for 8 seconds saves the current time for the opening or closing of the roller shutters every day.

CAN BE PERSONALISED: TIMER Easy also enables a more specific programming to be set, to open and close the shutters at different times on work days and days at home.

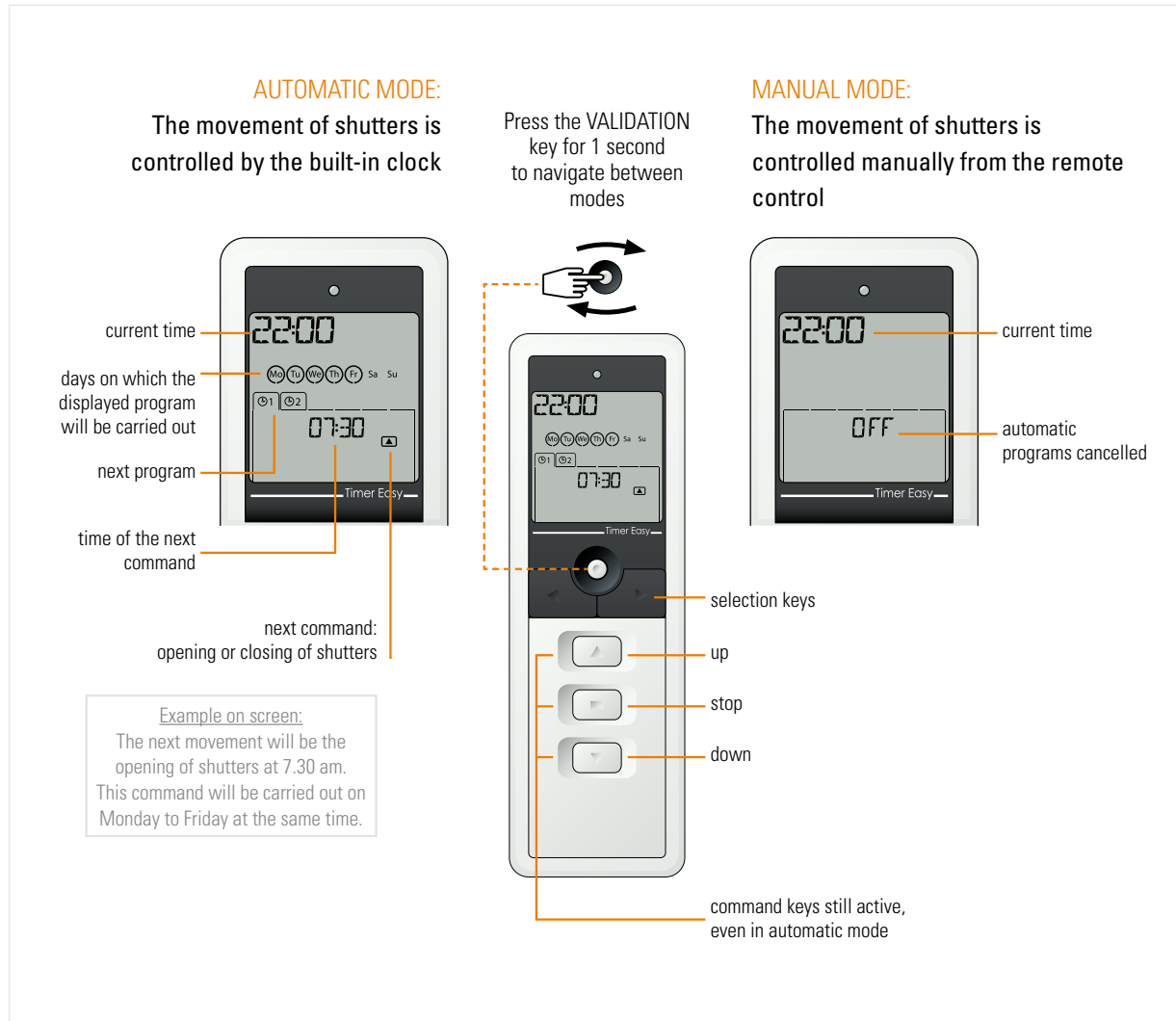
MORE SAFETY: When you are away, the house will appear lived-in thanks to the occupant presence simulation which, when activated, randomly shifts the preset opening and closing times by 0 to +30 minutes.

FLEXIBLE USE: TIMER Easy can easily be switched off at any time and used simply as a manual centralised system.

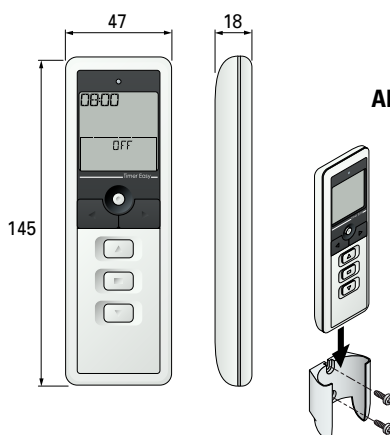
OPERATING PRINCIPLE

2 POSSIBILITIES IN AUTOMATIC MODE:

- Daily mode: same program every day.
- Work/rest mode: one program on work days and another one on rest days.



SPECIFICATION



PRODUCT CLASS	class III
POWER SUPPLY	2x1.5V batteries - LR03 AAA type
AMBIENT TEMPERATURE OF USE	from +0°C to +45°C
PROTECTION INDEX	IP 20
RANGE	~ 200 m in free field ~ 20 m between 2 reinforced concrete walls (depends of the environment and of the pollution)
RADIO FREQUENCY	433.42 MHz
COMPATIBILITY	Hz Motors and external Hz receiver



RADIO AUTOMATION

TIMER MULTI REMOTE CONTROL



6 CHANNEL PROGRAMMABLE REMOTE CONTROL

...enabling up to 6 shutters or groups of shutters to be controlled.

USE:

- Automation and advanced home management.
- Use in manual or automatic mode.

DESCRIPTION	COLOUR	REFERENCE
TIMER MULTI remote control	White	2007830

Delivered with battery and wall bracket (screws not included).

PRODUCT BENEFITS

CREATION OF CUSTOMISED SCENARIOS: TIMER Multi can register up to 6 programs per day. Each of these programs can control one or several of the six channels of the remote control. Every day the programs can be different.

ENERGY SAVING: thanks to the twilight function, the shutters can automatically close at sunset time, to better insulate the house from the outside cold in winter.

MORE SAFETY: When you are away, the house will appear lived-in thanks to the occupant presence simulation which, when activated, randomly shifts the preset opening and closing times by 0 to +30 minutes.

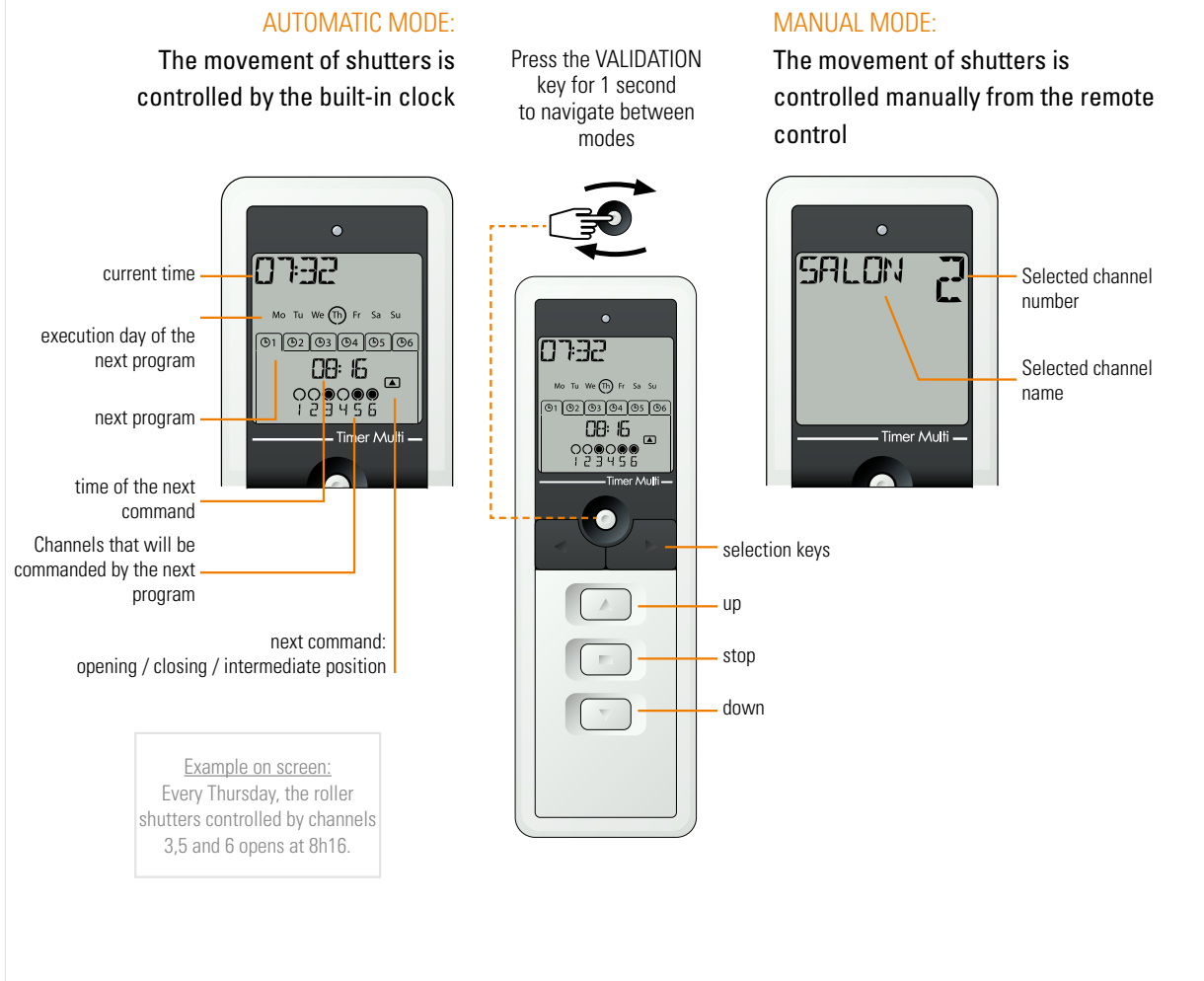
SIMPLIFIED PROGRAMMING: the "copy/paste" function allows the programming to be quickly duplicated, when they are the same for several days of the week.

CUSTOMIZABLE SCREEN: The LCD screen allows a name to be stored for each channel (5 letters + 1 digit, from 1 to 6).

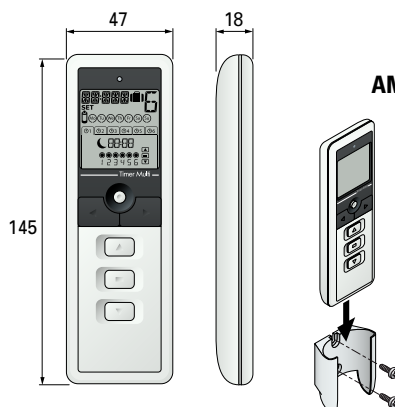
FLEXIBLE USE: TIMER Multi can easily be switched off at any time and used only as a manual centralised system.

OTHER: Automatic switching summer / winter time (in Europe area).

OPERATING PRINCIPLE



SPECIFICATION



PRODUCT CLASS	class III
POWER SUPPLY	2x1.5V batteries - LR03 AAA type
AMBIENT TEMPERATURE OF USE	from +0°C to +45°C
PROTECTION INDEX	IP 20
RANGE	~ 200 m in free field ~ 20 m through 2 reinforced concrete walls (depends of the environment and of the pollution)
RADIO FREQUENCY	433.42 MHz
COMPATIBILITY	Hz Motors and external Hz receivers



RADIO RECEIVER



ON/OFF REMOTE CONTROL PLUG



EXTERNAL RADIO RECEIVER

...for lighting and electrical appliance up to 3600W.

USE:

- Allows to turn on and off a light or an electrical appliance with SIMU-Hz radio.

DESCRIPTION	REFERENCE
Plug Hz ON/OFF 3600W	2008973

FUNCTIONS AND PRODUCT BENEFITS

EASY AND QUICK TO INSTALL:

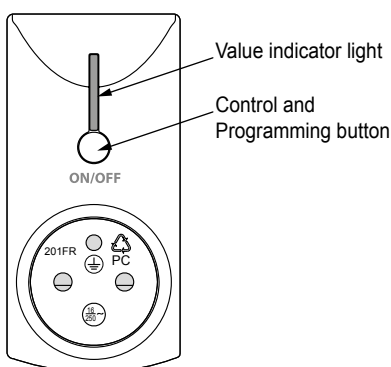
The ON / OFF remote control plug may be inserted into any mains socket and paired very simply to transmitters through its front programming button.

COMPATIBLE with all radio SIMU-Hz management solutions whose control from a smartphone

USEFUL:

For remote control, programming on the week and even distant piloting the switching on and off of lighting (lamppost, for example) or an electrical appliance (coffee maker, television, washing machine...).

SPECIFICATION



POWER SUPPLY	230 V - 50 Hz
PROTECTION INDEX	IP20 (inside use, in a dry room)
CONTROL OUTPUT	3600W / 16A max.
DIMENSIONS	53 x 110 x 77 mm
RANGE	30 meters in free field
RADIO COMPATIBILITY	any SIMU-Hz transmitters (5 transmitters/channels max.)
RADIO FREQUENCY	433.42 MHz



RADIO RECEIVER



MICRO-RECEIVER HZ FOR ROLLER SHUTTERS



EXTERNAL RADIO RECEIVER

...for modernization or new installation

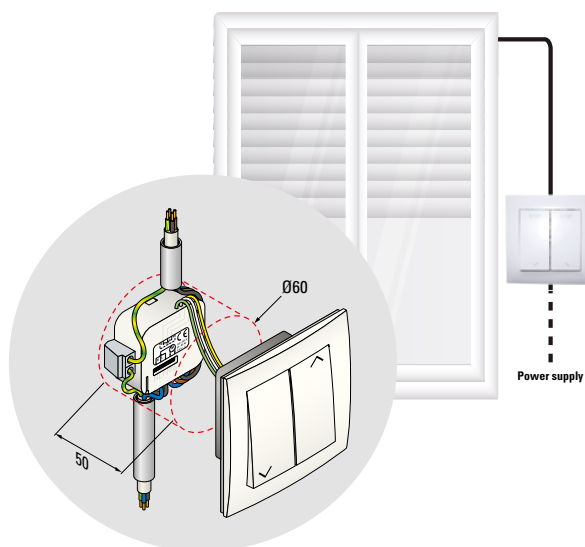
USE:

- It equips wired motors with the SIMU-Hz radio technology,
while retaining the original wired switch in individual control.

DESCRIPTION	REFERENCE	
	x1	x10
Micro-receiver Hz for roller shutters	2008191	2008192

Delivered with 3 connection wires to the switch.

FUNCTIONS AND PRODUCT BENEFITS



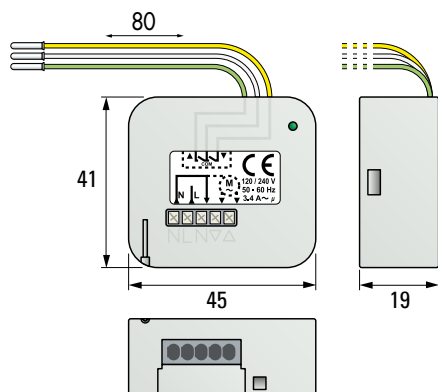
QUICK AND EASY TO INSTALL:

Thanks to its compact size and automatic terminal block, it fits behind the switch in the electrical wallbox (Recommended wallbox depth: 50 mm minimum).

IDEAL:

- To add a SIMU-Hz radio centralization and automation in a wired installation.
- To maintain the aesthetics of switches, especially in the case of a new installation.

SPECIFICATION



PRODUCT CLASS	class III
POWER SUPPLY	230 volts 50/60Hz or 120 Volts 50/60Hz
AMBIENT TEMPERATURE OF USE	-20°C / +55°C
PROTECTION INDEX	IP 20 (after installation)
MOTOR COMPATIBILITY	All SIMU wired motors
MAX MOTOR POWER	3A/240V or 3.4A/120V
TRANSMITTER COMPATIBILITY	The entire range of SIMU-Hz transmitters (maximum of 12 transmitters per receiver)
SWITCH COMPATIBILITY	stable and unstable
RADIO FREQUENCY	433.42 MHz



RADIO RECEIVER



MICRO-RECEIVER HZ FOR LIGHTING



EXTERNAL RADIO RECEIVER

...for lighting

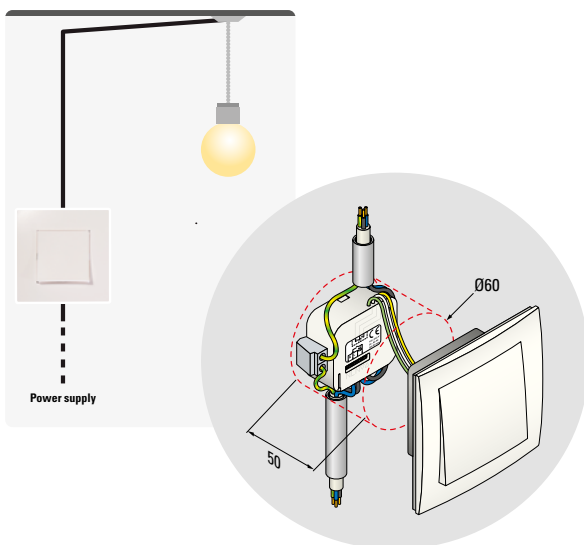
USE:

- allows the control of a light with SIMU-Hz radio technology,
while retaining the original wired switch in instable mode.

DESCRIPTION	REFERENCE
Micro-receiver Hz for lighting	2008193

Delivered with 3 connection wires to the switch (Only 2 wires have to connect)

FUNCTIONS AND PRODUCT BENEFITS



QUICK AND EASY TO INSTALL:

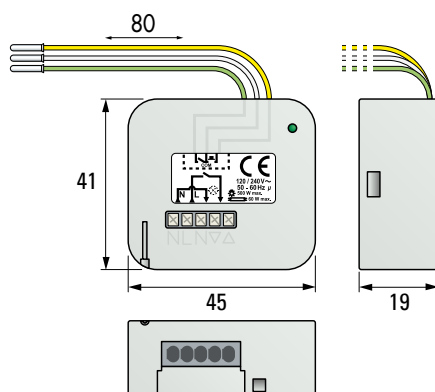
Thanks to its compact size and automatic terminal block, it fits behind the switch in the electrical wallbox (Recommended wallbox depth: 50 mm minimum).

COMPATIBLE with all radio SIMU-Hz management solutions whose control from a smartphone

USEFUL:

For remote control of lighting, to program or to control from the same device the shutters and lights.

SPECIFICATION



PRODUCT CLASS	class III
POWER SUPPLY	230 volts 50/60Hz or 120 Volts 50/60Hz
AMBIENT TEMPERATURE OF USE	-20°C / +55°C
PROTECTION INDEX	IP 20 (after installation)
CONTROL OUTPUT 500 W	for halogen lamps
CONTROL OUTPUT 60 W	for CFL/LEDs
TRANSMITTER COMPATIBILITY	The entire range of SIMU-Hz transmitters (maximum of 12 transmitters per receiver)
SWITCH COMPATIBILITY	stable and push button
RADIO FREQUENCY	433.42 MHz



RADIO RECEIVER

Hz RECEIVER



The wired motors must have been previously equipped with a terminal block.

See accessories.

The receiver Hz motor is delivered with a wired connection box.



EXTERNAL RADIO RECEIVER

...for a modernisation or new installation.

USE:

- It equips wired motors with the SIMU-Hz radio technology.

DESCRIPTION	REFERENCE	
	x1	x10
Hz RECEIVER (for all wired motors)	2004873	2004872
Hz RECEIVER (for T5 Auto and T5 E motors)	2004875	2004874

RECEIVER Hz + TRANSMITTER KIT

DESCRIPTION	REFERENCE x10
Receiver Hz + wall transmitter 1C white (for all wired motors)	2008884
Receiver Hz + wall transmitter 1C white (for T5 Auto and T5 E motors)	2008885

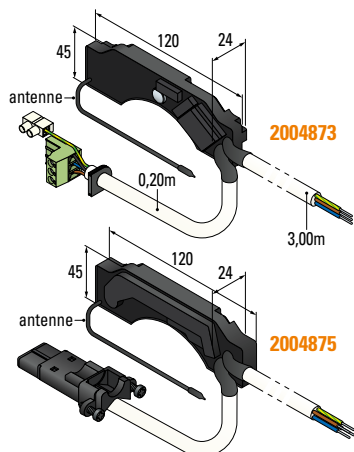
FUNCTIONS AND PRODUCT BENEFITS

It fits directly into the roller shutter on a universal bracket from 150 mm.

QUICK TO INSTALL: connection to the motor is quick and easy, thanks to the terminal block.

Compatible with all controls and automation of the SIMU-Hz range.

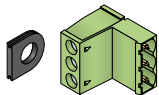
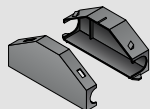
SPECIFICATION



POWER SUPPLY	230 V - 50 Hz
AMBIENT TEMPERATURE OF USE	-30°C / +80°C
PROTECTION INDEX	IP 44
RADIO FREQUENCY	433.42 MHz
COMPATIBILITY MOTOR	With T3.5, T5 and DMI5 (réf. 2004873) and T5 AUTO (réf. 2004875)
TRANSMITTER COMPATIBILITY	The entire range of SIMU-Hz transmitters (maximum of 12 transmitters per receiver)



ACCESSORIES

PRODUCT	DESCRIPTION	REFERENCE x 10
	Terminal block for T3.5, T5 and DMI5 motors	9011670
	Box for terminal block - IP44	2005028

RADIO RECEIVER



LED DC Hz RECEIVER

EXTERNAL RADIO RECEIVER

...for lighting

USE:

- It is supplied in 12 VDC and allows to control a light from a SIMU-Hz remote control.



Power supply and lighting control cable included
(length of wires = 42 cm)

DESCRIPTION	REFERENCE
LED DC Hz receiver	2008405

FUNCTIONS AND PRODUCT BENEFITS

EASY AND QUICK TO INSTALL, INSIDE AND OUTSIDE

Easy installation thanks to its compact size, the integrated connection wires and the brackets for fixing. Moreover, as it is waterproof it is compatible for an indoor as well as a outdoor installation.

BUILT-IN LIGHT DIMMER SWITCH

It allows to set the level of the light from a remote control.

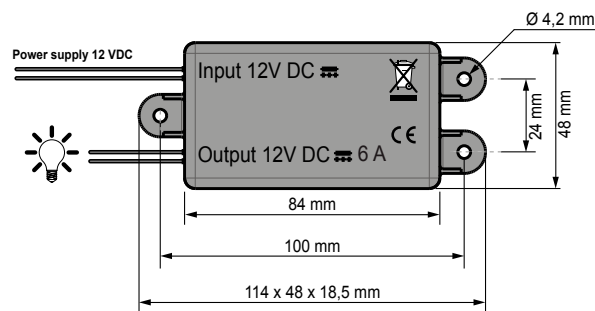
You can also set a favorite light level and then reach it by simply pushing the stop button.

CONVENIENT

Compatible with all the SIMU-Hz transmitters and automatic devices.

It is possible to control both shutters and lightings from a multichannel remote control.

SPECIFICATION



POWER SUPPLY	12 VDC (min.: 11V / max.:16V)
AMBIENT TEMPERATURE OF USE	-20°C / +70°C
PROTECTION INDEX	IP 55
CONTROL OUTPUT	72 W at 12 V for Led incandescent/halogen or bulbs.
RUNNING TIME	3 hours (before automatic cut off)
RADIO COMPATIBILITY	any SIMU-Hz transmitters (up to 12 transmitters per receiver)
RADIO FREQUENCY	433.42 MHz



WIRED RANGE

WIRED CONTROLS AND AUTOMATION - **230V**

TO CONTROL

INDIVIDUAL CONTROL



Switch
PM3
page 138



Switch
APEM
page 140

GROUPED CONTROL

* When an installation with control box is comprised of individual and a general controls, all these controls must be in unstable mode.



Switch
PM3
page 138

AUTOMATION

INDIVIDUAL CONTROL

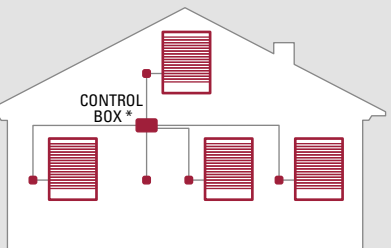


TIMER AC
Programmable clock timer
Daily / Weekly
page 134



MEMORY AC
Wired switch
with 24-hour cycle repetition function
page 136

BY CONTROL BOX



Switch
APEM

page 140

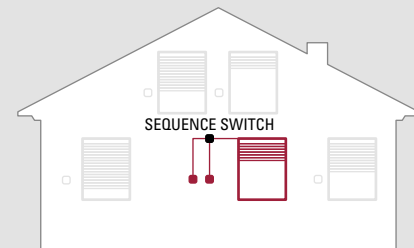
ACCESSORIES



Control box
4 motors

page 146

MULTIPOINT CONTROL BY PUSH BUTTON AND SEQUENCE SWITCH



Push button
LEGRAND MOSAÏC

page 139



WATERPROOF
Push button

page 142

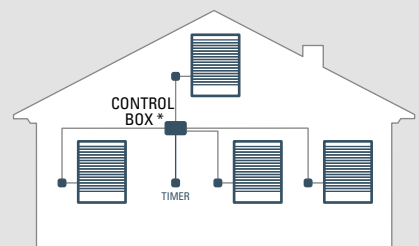
ACCESSORIES



Sequence switch

page 143

GROUPED CONTROL BY CONTROL BOX



* When an installation with control box is comprised of individual and a general controls, all these controls must be in unstable mode.



TIMER AC
Programmable clock timer
Daily / Weekly

page 134



MEMORY AC
Wired switch
with 24-hour cycle repetition function

page 136

ACCESSORIES



Control box
4 motors

page 146

WIRED AUTOMATION

TIMER AC



PROGRAMMABLE CLOCK TIMER

...to programme the opening and closing of a roller shutter

USE:

- Individual control.
- Grouped control, with control box (page 146)
- Use in manual or automatic mode.

DESCRIPTION	REFERENCE
TIMER AC	2008420
Sun / Twilight sensor	2008800
Surface mounting box	2210076

FUNCTIONS AND PRODUCT BENEFITS

FLEXIBLE: wired clock with 2 programming modes, daily (the same programme for the whole week) and weekly (different programmes for each day of the week).

EASILY RECORD PROGRAMMES THANKS TO ITS MEMORY FUNCTION: simply press and hold the up or down button at the desired time to programme a command. This setting can also be done through the setting mode.

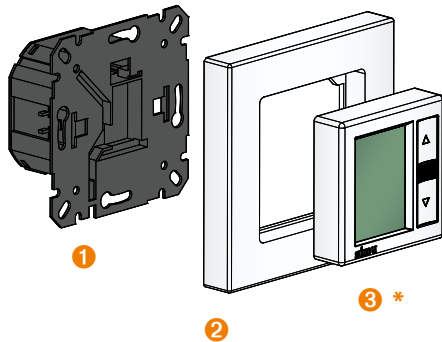
SECURITY WHEN YOU'RE AWAY thanks to its presence simulation function which varies the programmed schedules randomly.

PROGRAMMING CAN BE DISABLED AT ANY TIME, by pressing the stop button (black button) for 1 second.

UNDERSTATED DESIGN: TIMER AC fits in with any indoor style.

SUN / TWILIGHT SENSOR OPTION: When equipped with this sensor, the Timer AC can also automatically open and close the roller shutter according to the amount of sun and when night falls.

ASSEMBLY



EASY INSTALLATION IN 3 STEPS :

- ① Connect then attach the power source to the recessed box (Screws included)
- ② Clip on the frame
- ③ Connect the wired control module *

* Module compatible with 50 x 50 mm electrical equipments on the market

Surface mounting is also possible.

See the surface mounted box in the "compatible accessories" section mentioned below.

COMPATIBLE ACCESSORIES

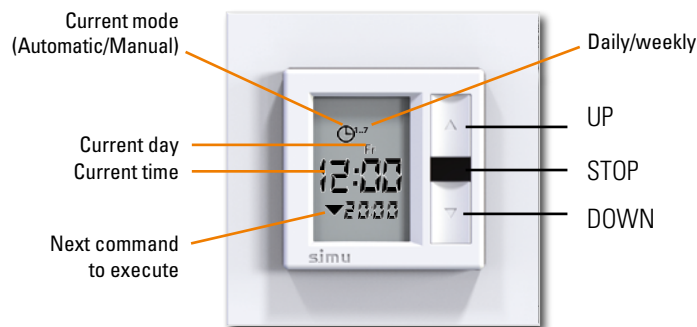


Surface mounting box
Ref 2210076



Sun / Twilight sensor
(cable of 1,50 m)

SPECIFICATION



POWER SUPPLY 230 V CA /50 Hz (+/-10%)

MOTOR OUTPUT 3A max

DIMENSIONS 80x80x42 mm

OPERATING TEMPERATURE 0° / +60°C

RELAY OPERATING TIME 3 minutes

RESERVE POWER SUPPLY (in case of power outage) 5 hours

PROTECTION INDEX IP20 

PRODUCT CLASS II

WIRED AUTOMATION

MEMORY AC



SWITCH WITH 24-HOUR CYCLE REPETITION FUNCTION

...to programme the opening and closing of a roller shutter

USE:

- Individual control.
- Grouped control, with control box (page 146)
- Use in manual or automatic mode.

DESCRIPTION	REFERENCE
MEMORY AC	2008419
Surface mounting box	2210076

FUNCTIONS AND PRODUCT BENEFITS

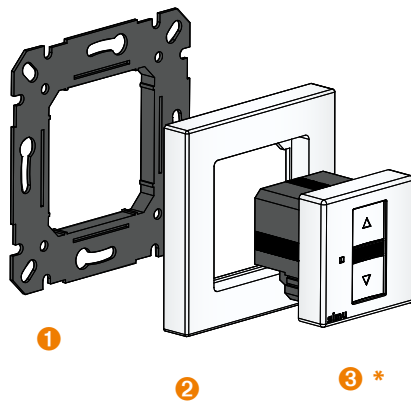
COMFORT AND SECURITY: no more concerns about opening or closing the roller shutters. Thanks to the 24-hour cycle repetition function, it will automatically open and close each day at the same time.

EASY TO USE, simply press and hold the up or down button, at the desired time to record a command which will be repeated every 24 hours.

AUTOMATIC MODE CAN BE DISABLED AT ANY TIME, by pressing the stop button (black button) for 1 second. A light shows the activated function mode (Led OFF: manual mode / Led ON: automatic mode).

UNDERSTATED DESIGN: Memory AC fits in with any indoor style.

ASSEMBLY



EASY INSTALLATION IN 3 STEPS:

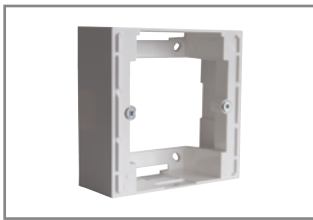
- 1 Fasten the grating to the recessed box
(Screws included)
- 2 Clip on the frame
- 3 Connect then attach the wired control module *

* Module compatible with 50 x 50 mm electrical equipments on the market

Surface mounting is also possible.

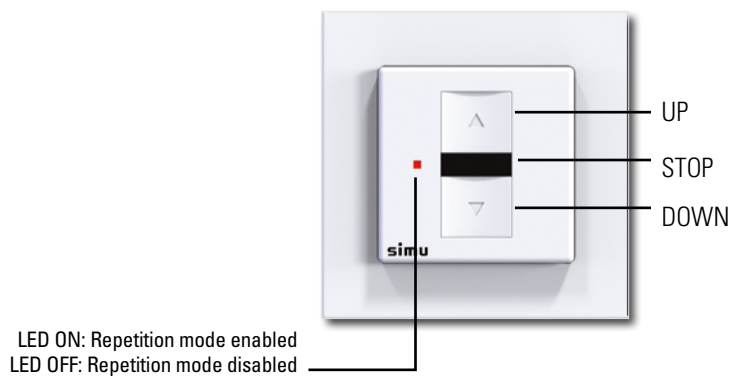
See the surface mounted box in the "compatible accessories" section mentioned below.

COMPATIBLE ACCESSORIES



Surface mounting box
Ref 2210076

SPECIFICATION



POWER SUPPLY	230 V CA /50 Hz (+/-10%)
MOTOR OUTPUT	3A max
DIMENSIONS	80x80x42 mm
OPERATING TEMPERATURE	0° / +60°C
RELAY OPERATING TIME	3 minutes
RESERVE POWER SUPPLY (in case of power outage)	3 hours
PROTECTION INDEX	IP20 
PRODUCT CLASS	II

WIRED CONTROLS

PM3 SWITCHES – 230V

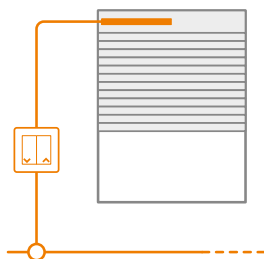
NOTE

STABLE SWITCH: simply press down once to activate.

UNSTABLE SWITCH: the switch must be held down throughout the action.

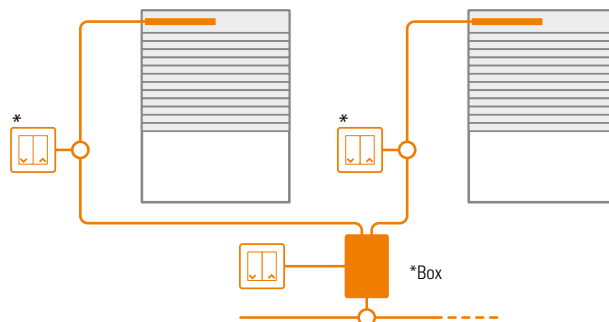
USE:

- Individual control



USE:

- Grouped control, with control box (page 146)



* When an installation with control box is comprised of individual and a general controls, all these controls must be in unstable mode.

PM3 SWITCH

For indoor installation, in flush or surface mounted assembly with a surface mounted box (not supplied).



Dimensions: 86 x 86mm

STABLE

DESCRIPTION	VERSION	REFERENCE x10
PM3	stable	2007244

Product delivered complete (front plate + mechanism)



Dimensions: 86 x 86mm

UNSTABLE

DESCRIPTION	VERSION	REFERENCE x10
PM3	unstable	2007246

Product delivered complete (front plate + mechanism)



ACCESSORIES	REFERENCE x10
Surface mounting box	9015196

WIRED CONTROLS

APEM SWITCH – 230V

NOTE

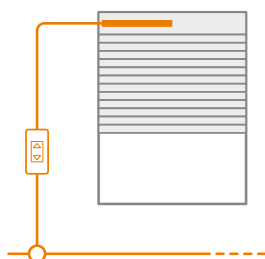
STABLE SWITCH: simply press down once to activate.

UNSTABLE SWITCH: the switch must be held down throughout the action.

UNIPOLAR APEM

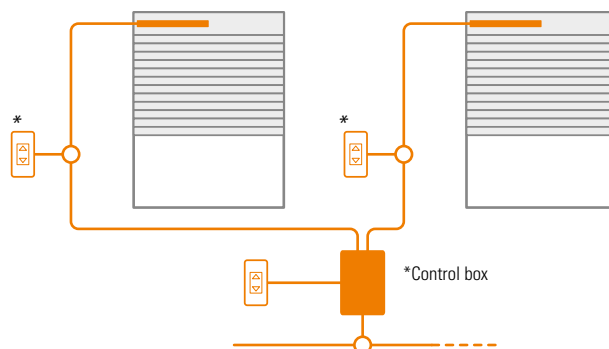
USE:

- Individual controls



USE:

Grouped control, with control box (page 146)



* When an installation with control box is comprised of individual and a general controls, all these controls must be in unstable mode.



SINGLE UNIPOLAR MECHANISM



UNIPOLAR APEM INSIDE PM2 BOX

Dimensions: 43 x 80mm

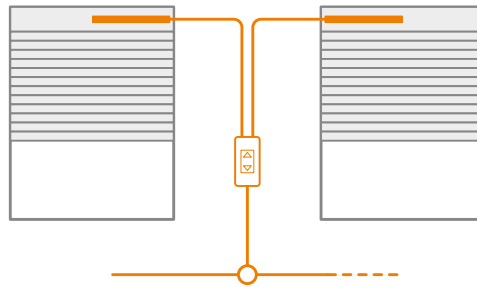
DESCRIPTION	VERSION	REFERENCE x1	REFERENCE x60
UNIPOLAR APEM	stable	2001458	2001462
UNIPOLAR APEM	unstable	2001459	-

DESCRIPTION	VERSION	REFERENCE x1
UNIPOLAR APEM + PM2 BOX	stable	2001466
UNIPOLAR APEM + PM2 BOX	unstable	2001467

BIPOLAR APEM

USE:

- Control of 2 motors



SINGLE BIPOLAR MECHANISM

DESCRIPTION	VERSION	REFERENCE
BIPOLAR APEM	stable	2001460
BIPOLAR APEM	unstable	2001461



BIPOLAR APEM INSIDE PM2 BOX
Dimensions: 43 x 80mm

DESCRIPTION	VERSION	REFERENCE
BIPOLAR APEM + PM2 BOX	stable	2001468

ACCESSORIES - 3 POSSIBLE ASSEMBLIES



PM2 BOX

- SURFACE-MOUNTED ASSEMBLY -
Single PM2 box

9600973



LEGRAND MOSAÏC

- FLUSH MOUNTED ASSEMBLY -
Legrand Mosaïc front plate with an adaptor interface

9014880

LEGRAND MOSAÏC

- SURFACE MOUNTED ASSEMBLY -
Legrand Mosaïc front plate with an adaptor interface
+ surface mounting box

9014881



STANDARD FRONT PLATE

- FLUSH MOUNTED ASSEMBLY -
Standard front plate

9137159

WIRED CONTROLS

PUSH BUTTON – 230V

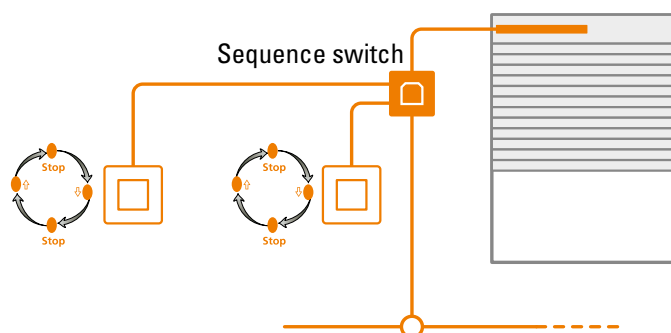
NOTE

To make a multipoint control, it is necessary to connect the motor and the push buttons to a sequence switch, see page 143.

USE:

- MULTIPOINT CONTROL

Control a motor with several control points: in sequential mode, a single key successively successively controls the Up/Stop/Down commands



Dimensions: 74 x 74 x 62mm

PUSH BUTTON

Waterproof plastic box (protection index IP 65) allowing an outdoor installation.

DESCRIPTION	REFERENCE
PUSH BUTTON SIMU	2006756



Dimensions: 80 x 80mm

PUSH BUTTON " LEGRAND MOSAÏC "

For indoor installation, in flush or surface mounted assembly with a surface mounted box (not supplied).

2 mechanisms available:

- screw-mounted for both new and renovation markets
- cramp-mounted for the renovation market only

DESCRIPTION	VERSION	REFERENCE
Screw-mounted mechanism LEGRAND MOSAÏC	Push Button	2006872
Cramp-mounted mechanism LEGRAND MOSAÏC	Push Button	2006875

Attention: Mechanism and front plate sold separately

ACCESSORIES	REFERENCE
Mosaic front plate	9014519
Surface mounting box	9014520



Dimensions: 44 x 44 x 23mm

SEQUENCE SWITCH FOR MULTIPPOINT CONTROL

For motor up to 220W
Power supply: 230 Vac

DESCRIPTION	REFERENCE
Sequence switch	2001477

Delivered without wire

WIRED CONTROLS

OTHER CONTROLS – 230V

NOTE

STABLE SWITCH: simply press down once to activate.

UNSTABLE SWITCH: the switch must be held down throughout the action.



Dimensions: 14 x 31mm

NARROW SWITCH FOR COMBINED WINDOW SHUTTER

USE:

- Individual control.

It is directly integrated inside the window frame during assembly.
Thus only the motor has to be connected during the installation.

DESCRIPTION	REFERENCE	
	x 1	x 200
Stable narrow switch	2006226	1800066



FRONT PLATE
FOR PUSH-BUTTON MODE
Dimensions: 85 x 85 x 60mm

UNIVERSAL KEY BOX

USE:

- Individual control.
- Grouped control, with control box (page 146).
- Multipoint control by sequence switch: Control a motor with several control points.

DESCRIPTION	REFERENCE
Universal key box	2004964

Delivered with 2 identical keys - type 455 and 1 front plate for sequential mode



FRONT PLATE
FOR 3-POSITION MODE



Dimensions: 74 x 74 x 74mm

KEY SWITCH -3 POSITIONS

USE:

- Individual control.
- Grouped control, with control box (page 146).

DESCRIPTION	REFERENCE
Key switch	2006752

Delivered with 2 identical keys



Dimensions: 74 x 74 x 72mm

ROTARY SWITCH -3 POSITIONS

USE:

- Individual control
- Grouped control, with control box (page 146).

DESCRIPTION	REFERENCE
Stable	2006753
Unstable	2006754
Mixed	2006755

- 2 normally open contacts.
- Surface mounted assembly.
- Waterproof plastic box (protection index IP 65) enabling outdoor installation.

WIRED CONTROLS

FOR DIRECT CURRENT MOTORS – 12/24V

NOTE

STABLE SWITCH:

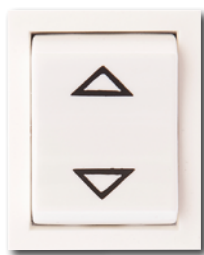
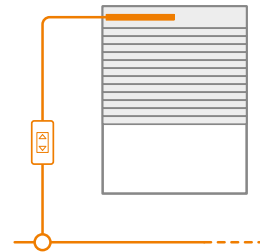
simply press down once to activate.

UNSTABLE SWITCH:

the switch must be held down throughout the action.

USE:

- Individual control



UNIPOLAR MECHANISM

SWITCH WITHOUT TRANSFORMER

DESCRIPTION	VERSION	REFERENCE
UNIPOLAR APEM MECHANISM	stable	2001500
UNIPOLAR APEM MECHANISM	unstable	2001501

3 POSSIBLE ASSEMBLIES

MOUNTING	COMPONENT	DESCRIPTION	REFERENCE
BOÎTIER PM2  SURFACE-MOUNTED ASSEMBLY INSIDE THE PM2 BOX Dimensions: 43 x 80mm		PM2 BOX	9600973
LEGRAND MOSAÏC  FLUSH MOUNTED ASSEMBLY WITH THE LEGRAND MOSAÏC FRONT PLATE + AN ADAPTOR INTERFACE Dimensions: 80 x 80mm	 	Legrand Mosaic front plate with an adaptor interface Legrand Mosaic front plate with an adaptor interface + surface mounting box	9014880 9014881
STANDARD FRONT PLATE  FLUSH MOUNTED ASSEMBLY OR SURFACE MOUNTED ASSEMBLY WITH THE CLASSICAL FRONT PLATE Dimensions: 80 x 80mm		Standard front plate	9137159

WIRED CONTROLS

WALL BOXES



DESCRIPTION	REFERENCE
Wallbox for sealing	9604500

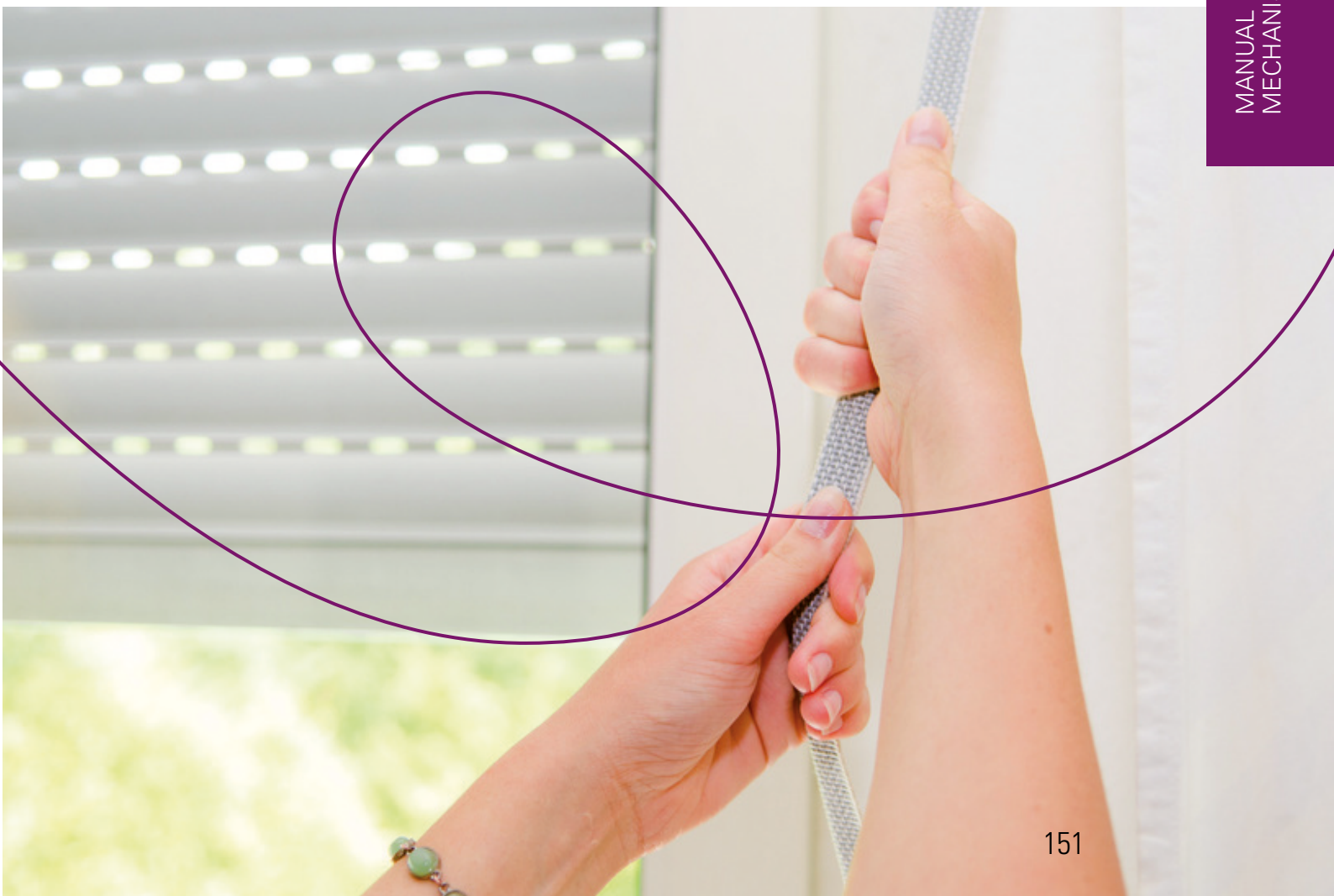


DESCRIPTION	REFERENCE
Wallbox for plaster board wall	9604512

NOTE

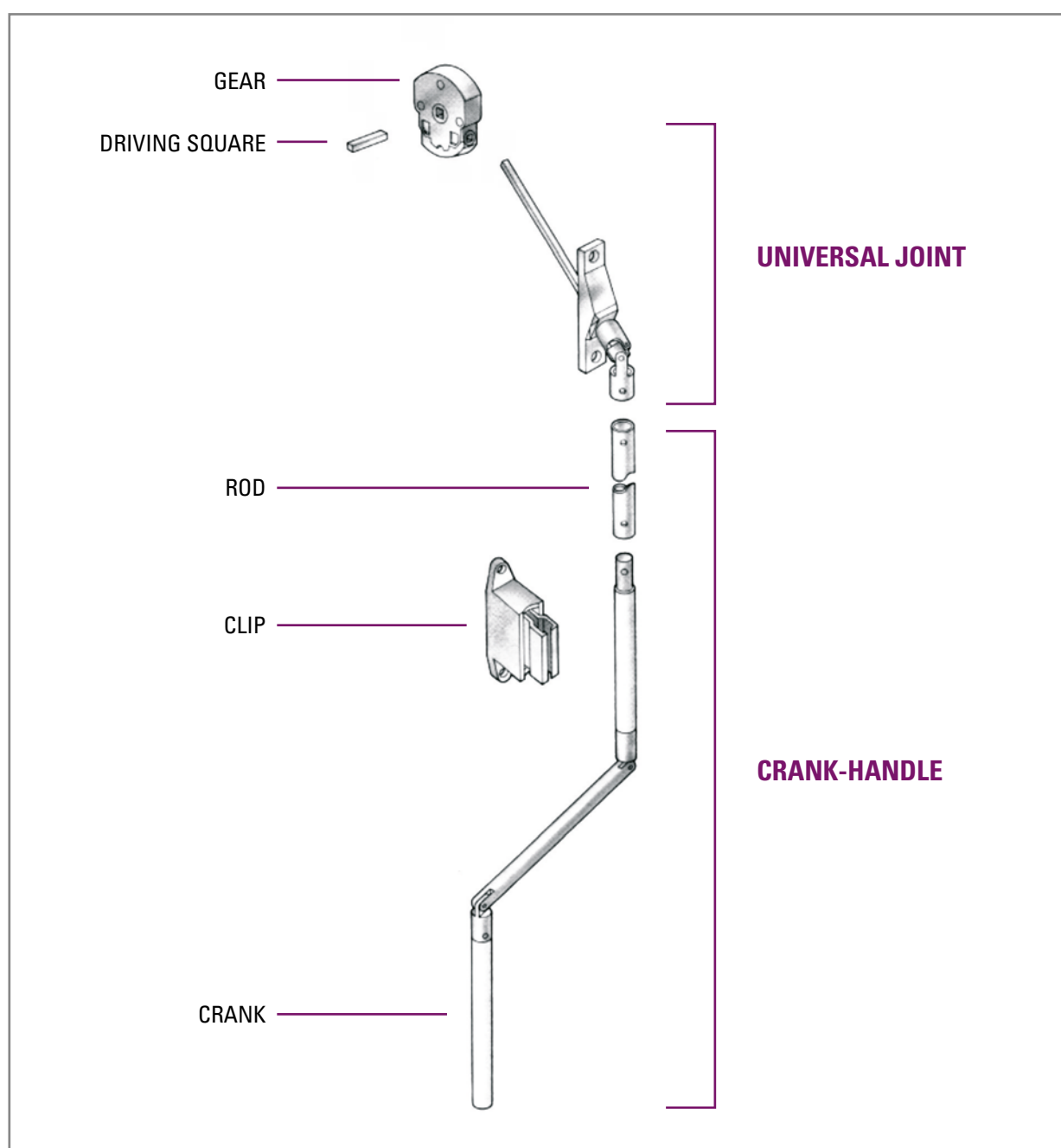


GEARS	p.152
OPERATION BY BELT / PULLEY	p.166
OPERATION BY CORD / GEAR	p.168
OPERATION BY DIRECT PULLING / BALANCING SPRING	p.170

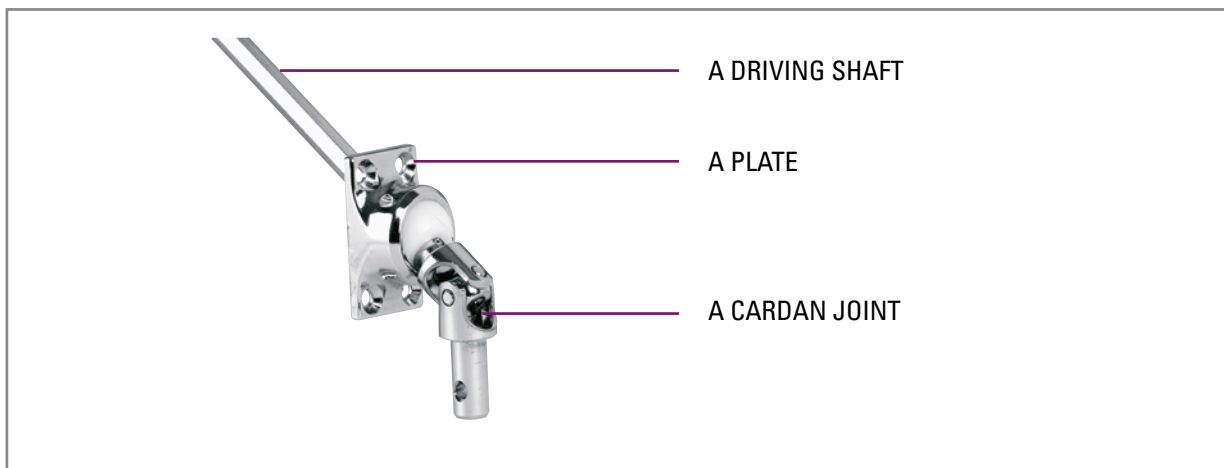


OPERATION BY CRANK / GEAR

All the operation devices presented in this catalogue are designed for an indoor use.

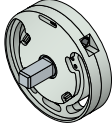
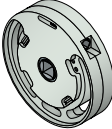
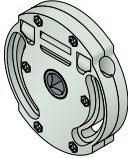


AN UNIVERSAL JOINT CONSISTS OF:

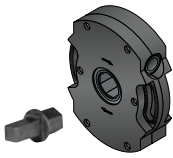


OPERATION BY CRANK / GEAR

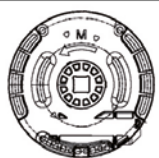
GEARS

GEAR	RATIO	MAX TORQUE	INPUT	OUTPUT	END-LIMIT	REFERENCE
 1420B gear	1/5	10,6 Nm	Square 6	Square 10	yes	2002028
	1/5	10,6 Nm	Hexa 7	Square 10	yes	2002030
	1/7	14,2 Nm	Square 6	Square 10	yes	2002038
	1/7	14,2 Nm	Hexa 7	Square 10	yes	2002041
 1420 gear	1/5	10,6 Nm	Square 6	Square 7	yes	2002010
	1/5	10,6 Nm	Square 6	Square 10	yes	2002012
	1/5	10,6 Nm	Hexa 6	Square 7	yes	2002013
	1/5	10,6 Nm	Hexa 7	Square 7	yes	2002016
	1/5	10,6 Nm	Hexa 7	Square 10	yes	2002018
	1/7	14,2 Nm	Square 6	Square 10	yes	2002033
	1/7	14,2 Nm	Hexa 7	Square 10	yes	2002035
	1/7	14,2 Nm	Hexa 6	Square 7	no	2002037
 1424 gear	1/5	8 Nm	Square 8	Square 10	yes	2002107
	1/5	8 Nm	Square 8	Square 13	yes	2002108
	1/5	8 Nm	Hexa 7	Square 10	yes	2002139
	1/5	8 Nm	Hexa 7	Square 16	no	2002143
	1/8	12 Nm	Hexa 7	Square 10	yes	2002140
	1/8	12 Nm	Hexa 7	Square 16	yes	2002144
	1/8	12 Nm	Hexa 7	Square 16	no	2002145
	1/8	12 Nm	Square 8	Square 10	yes	2002112
	1/8	12 Nm	Square 8	Square 13	yes	2002113
	1/8	12 Nm	Hexa 10	Square 10	yes	2002115
	1/11,5	20,8 Nm	Square 8	Square 10	yes	2002117
	1/11,5	20,8 Nm	Hexa 7	Square 10	yes	2004051
	1/11,5	20,8 Nm	Square 8	Square 13	yes	2002118
	1/11,5	20,8 Nm	Square 8	Square 16	yes	2002119
	1/11,5	20,8 Nm	Hexa 7	Square 16	yes	2002146
	1/11,5	20,8 Nm	Hexa 7	Square 16	no	2002147
 Core : Male square 16 / hole 12 - gear side Male square 13 / Female square 7 - driving side The gear and the core are separately sold						2002392

GEARS

GEAR	RATIO	MAX TORQUE	INPUT	OUTPUT	END-LIMIT	REFERENCE
 "ACE Resin" gear	1/5	8 Nm	Hexa 7	Male square 13	yes	2001676
	1/5	8 Nm	Square 8	Male square 13	yes	2001677
	1/8	12 Nm	Hexa 7	Male square 13	yes	2001678
	1/8	12 Nm	Square 8	Male square 13	yes	2001679
	1/11	18 Nm	Hexa 7	Male square 13	yes	2001680
	1/11	18 Nm	Square 8	Male square 13	yes	2001681
	1/5	8 Nm	Hexa 7	Female square 10	yes	2001682
	1/5	8 Nm	Square 8	Female square 10	yes	2001683
	1/8	12 Nm	Hexa 7	Female square 10	yes	2001685
	1/8	12 Nm	Square 8	Female square 10	yes	2001686
	Core : Square 10 / octa 15 <i>The gear and the core are separately sold</i>					2003343

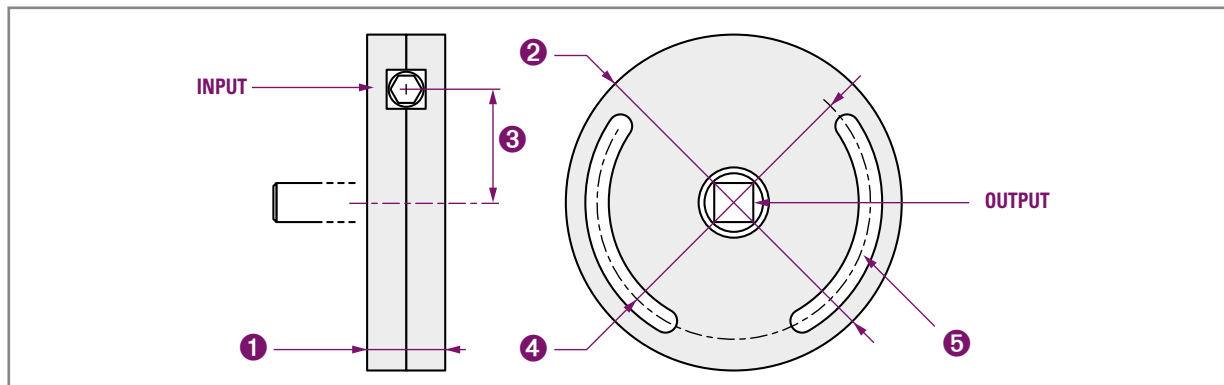
DISENGAGEABLE GEARS

GEAR	RATIO	MAX TORQUE	INPUT	OUTPUT	END-LIMIT	REFERENCE
 1/5,25 gear	1/5,25	12 Nm	Hexa 7	Square 10	yes	2008414
	1/5,25	12 Nm	Hexa 7	Square 10	no	2008415
 1/7 gear	1/7	18 Nm	Hexa 7	Square 10	yes	2008416
	1/7	18 Nm	Hexa 7	Square 10	no	2008417

ATTENTION : THIS GEAR CANNOT BE USED WITH A BALACING SPRING

- Built-in disengaging system during closing and forced operation limiter during opening.
- Allows the use of locks to fasten the fabric on the rolling tube and locking systems on bottom or intermediate slat.

SPECIFICATION



SPECIFICATION	1420 - 1420B	1424	ACE (RATIO 1/5)	ACE (RATIO 1/8)	ACE (RATIO 1/11)	DISENGAGEABLE GEARS 1/5,25 1/7	
GEAR THICKNESS ①	20 mm	24 mm	23 mm	23 mm	23 mm	22 mm	22 mm
GEAR DIAMETER ②	86 mm	120 mm	82 mm	90 mm	100 mm	99 mm	130 mm
AXLE DISTANCE output/input ③	29 mm	33 mm	25 mm	27 mm	32 mm	28,5 mm	40 mm
INTER-AXLE OF THE FIXATION SCREW ④	70 mm	90 mm	66 mm	66 mm	66 mm	56 mm	90 mm
FIXATION SCREW Ø ⑤	5 mm	6 mm	6 mm	6 mm	6 mm	4 mm	4 mm
MAXI TORQUE OF INPUT	3,5 Nm	4,5 Nm	3,5 Nm	3,5 Nm	3,5 Nm	4,5 Nm	4,5 Nm
CASING BOX MATERIAL	Zamac	Resin	Resin	Resin	Resin	Glass fibre reinforced polyamide, black	
DRIVE HUB MATERIAL	Steel	Steel	Zamac	Zamac	Steel	Polyamide	POM
SCREW MATERIAL	Steel	Steel	Steel	Steel	Steel	Polyacetal	Treated steel
BRAKE	yes	Adjustable	yes	yes	yes	yes	yes
END-LIMIT CAPACITY	17 rounds	16 rounds	15 rounds	15 rounds	15 rounds	10 rounds	10 rounds

THE MAXI. TORQUE AND LIMITS OF USE MENTIONED IN THIS CATALOGUE

...are given for information and vary according to each installation characteristic (in particular: type of slats, friction, conditions of installation, torque variations due to the kinematics and spring strength of each awning).

Neither the manufacturer nor the seller can be responsible for bodywork and material damage.

Recommendations for the use of tubes require careful attention as well (see profiler's charts). Each awning and roller shutter manufacturer will have to test the products in order to determine his own selection charts.

Please ask us about any specific cases.

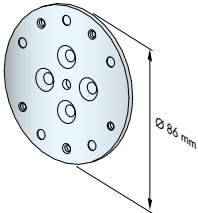


The ACE GAVIOTA gears are designed for use with GAVIOTA SIMBAC universal joint.

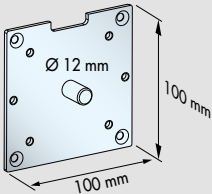
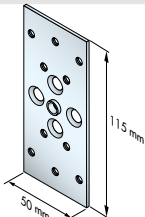
Any other branded universal joint must be tested as we do not guarantee compatibility.

GEAR ACCESSORIES

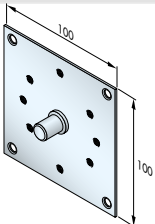
1420 GEAR BRACKET

BRACKET	DESCRIPTION	REFERENCE
	Bracket for SIMU TRADITIONNAL SYSTEM	2003603

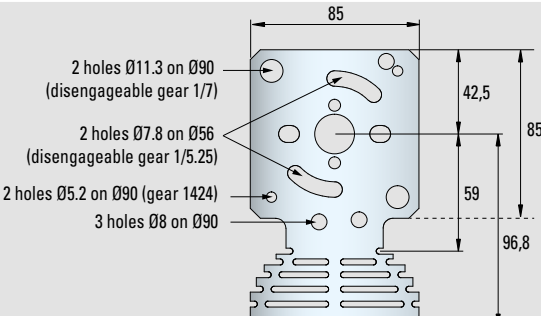
1424 GEAR BRACKETS

BRACKET	DESCRIPTION	REFERENCE
	Bracket for HEROAL RENOVATION SIDE-FRAME	2003639
	Bracket for SIMU TRADITIONNAL SYSTEM	2003610

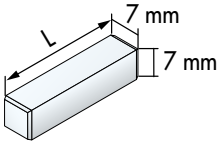
ACE GEAR BRACKETS

	Bracket for DOMINO (125 / 250) SIMBAC SIDE-FRAME - SIMBAC/GAVIOTA	2003003
	Bracket for STANDARD SIDE-FRAME - SIMBAC/GAVIOTA	2002645

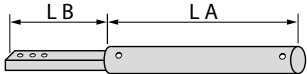
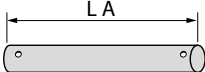
DISENGAGEABLE GEAR BRACKETS

 2 holes Ø11.3 on Ø90 (disengageable gear 1/7) 2 holes Ø7.8 on Ø56 (disengageable gear 1/5.25) 2 holes Ø5.2 on Ø90 (gear 1424) 3 holes Ø8 on Ø90	Bracket for RENOVATION SIDE-FRAME ZF ALURÉNO (125 / 150)	2008418
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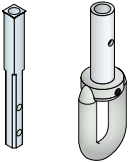
DRIVING SQUARE

PRODUCT	DESCRIPTION	LENGTH	PACKAGING	REFERENCE
	Square 7	length 41 mm	50	2002503
	Square 7	length 30 mm	1	2002513
	Square 7	length 30 mm	50	2006407
	Square 7	length 35 mm	1	2002502
	Square 7	length 35 mm	50	2006405

ROD

PRODUCT	DESCRIPTION	LENGTH A	LENGTH B	REFERENCE
	Square 6 / Round 10	50 mm	61 mm	2002508
	Round 10	50 mm	-	2002504

RING SET

PRODUCT	DESCRIPTION	INPUT	REFERENCE
	Ring set for direct assembly onto gear	6mm square gear input	2004486
	Ring set for direct assembly onto gear	7mm hexa gear input	2004487

HOOK

PRODUCT	DESCRIPTION	REFERENCE
	Hook for Ø 12mm crank rod. To be assembled with a sleeve. Ref. 2008132 or 2008133	2004482

UNIVERSAL JOINT & ACCESSORIES FOR CRANK-HANDLE

Ø12 MM

60° UNIVERSAL JOINT - FOR Ø12 MM CRANK HANDLE

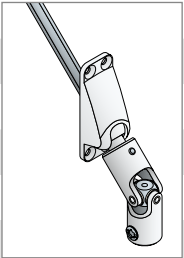
PRODUIT	DESCRIPTION	COLOR	ROD	LENGTH	REFERENCE
	60° universal joint for Ø 12mm rod	White	hexa 7 rod	315 mm	2008071
	60° universal joint for Ø 12mm rod	White	square 6 rod	315 mm	2008072
	60° universal joint for Ø 12mm rod	White	square 8 rod	315 mm	2008073
	60° universal joint for Ø 12mm rod	Grey	hexa 7 rod	315 mm	2008074
	60° universal joint for Ø 12mm rod	Grey	square 6 rod	315 mm	2008075
	60° universal joint for Ø 12mm rod	Grey	square 8 rod	315 mm	2008076

PLATE 22 x 62 mm
FIXATION 4 holes Ø 4,5 mm
INTER-AXLE 13 x 53 mm
DELIVERED with 4 screws 3,9 x 19 and 1 screw M5

90° UNIVERSAL JOINT - FOR Ø12 MM CRANK HANDLE

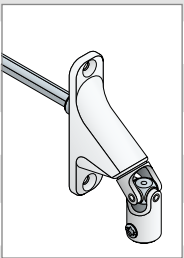
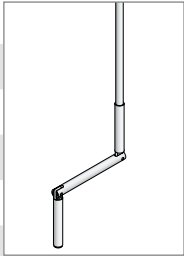
PRODUIT	DESCRIPTION	COLOR	ROD	LENGTH	REFERENCE
	90° universal joint for Ø 12mm rod	White	hexa 7 rod	355 mm	2008066
	90° universal joint for Ø 12mm rod	White	square 6 rod	300 mm	2008070
	90° universal joint for Ø 12mm rod	White	square 8 rod	350 mm	2008068
	90° universal joint for Ø 12mm rod	Grey	hexa 7 rod	355 mm	2008065
	90° universal joint for Ø 12mm rod	Grey	square 6 rod	300 mm	2008069
	90° universal joint for Ø 12mm rod	Grey	square 8 rod	350 mm	2008067
	90° universal joint for Ø 12mm rod	Nickel�	hexa 7 rod	355 mm	2008550

PLATE 22,5 x 86 mm
FIXATION 2 holes Ø 4 mm
INTER-AXLE 73 mm
DELIVERED with 1 screw M5

DRIVING CRANK ROD - Ø 12 MM

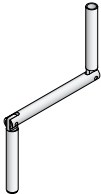
PRODUCT	DESCRIPTION	COLOR	LENGTH	REFERENCE	
				x 1	x 10
	Crank handle and rod	White	1800mm length	2008124	2008125
	Crank handle and rod	White	1400mm length	2008126	2008127
	Crank handle and rod	White	1100mm length	2008128	2008129
	Crank handle and rod	Grey	1800mm length	2008118	2008119
	Crank handle and rod	Grey	1400mm length	2008120	2008121
	Crank handle and rod	Grey	1100mm length	2008122	2008123

ROD Ø 12 steel rod, 1mm thickness
 inside and outside phosphatized
 exterior color with coated polyester
CRANK HANDLE Lacquered aluminium crank, 180mm length
 Stainless steel joint axles, 320mm unfolded length

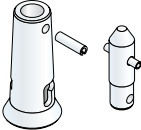
NOTE

The length of the crank rod corresponds to the length of the single rod, without the crank handle.

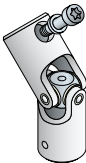
CRANK Ø 12 MM

PRODUCT	DESCRIPTION	COLOUR	REFERENCE
	Single crank	Grey	2008077
	Single crank	White	2008078

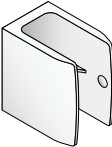
COUPLING TUNNEL FOR CRANK ROD Ø 12 MM

PRODUCT	DESCRIPTION	COLOUR	REFERENCE
	Zamak coupling tunnel + neckel-plated sleeve for Ø 12mm rod	neckel-plated	2008079

CARDAN JOINT Ø 12 MM

PRODUCT	DESCRIPTION	COLOUR	REFERENCE
	Ø 10mm / 12mm cardan joint	White	2008080
	Ø 10mm / 12mm cardan joint	Grey	2008179

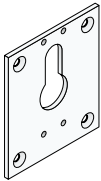
CRANK CLIP Ø 12 MM

PRODUCT	DESCRIPTION	COLOUR	REFERENCE
	20 x 34mm crank clip	White	2008081
	20 x 34mm crank clip	Grey	2008082

COVERING PLATE Ø 12 MM

PRODUCT	DESCRIPTION	COLOUR	REFERENCE
	40 x 85mm plate for 90° universal joint	White	9017284

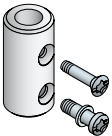
COVERING PLATE Ø 12 MM

PRODUCT	DESCRIPTION	COLOUR	REFERENCE
	60 x 70mm plate for 60° universal joint with M4x8 screws	White	9017287
	60 x 70mm plate for 60° universal joint with M4x8 screws	Grey	9017286

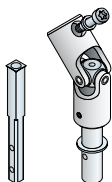
HOOK Ø 12 MM

PRODUCT	DESCRIPTION	COLOUR	REFERENCE
	Hook for Ø 12mm crank rod. To be assembled with a sleeve. Ref. 2008132 or 2008133	-	2004482

SLEEVE Ø 12 MM

PRODUCT	DESCRIPTION	COLOUR	REFERENCE
	Sleeve to link a hook with a Ø 12mm crank rod	White	2008132
	Sleeve to link a hook with a Ø 12mm crank rod	Grey	2008133

CARDAN JOINT SET Ø 12 MM - FOR DIRECT ASSEMBLY ON GEAR

PRODUCT	DESCRIPTION	COLOUR	INPUT	REFERENCE
	Cardan joint set	White	6mm square gear input	2008130
	Cardan joint set	White	7mm hexa gear input	2008131
	Cardan joint set	Grey	6mm square gear input	2008180
	Cardan joint set	Grey	7mm hexa gear input	2008181

RING Ø 12 MM

PRODUCT	DESCRIPTION	REFERENCE
	Ring with tang 12mm	2008551

UNIVERSAL JOINT & ACCESSORIES FOR CRANK-HANDLE

Ø14 MM

45° UNIVERSAL JOINT - FOR Ø14 MM CRANK HANDLE

PRODUCT	DESCRIPTION	ROD	LENGTH	REFERENCE
	45° universal joint for Ø 14 mm rod	Square 8	250 mm	2004104
	PLATE	24 x 52 mm		
	FIXATION	2 holes		
	PLATE MATERIAL	nickel-plated Zamac		
	CARDAN JOINT MATERIAL	nickel-plated Steel		

45° UNIVERSAL JOINT - FOR Ø14 MM CRANK HANDLE

PRODUCT	DESCRIPTION	ROD	LENGTH	REFERENCE
	45° universal joint for Ø 14 mm rod	Hexa 7	250 mm	2004105
	45° universal joint for Ø 14 mm rod	Square 8	250 mm	2004106
	PLATE	28 x 46 mm		
	FIXATION	4 holes		
	PLATE MATERIAL	nickel-plated Zamac		
	CARDAN JOINT MATERIAL	nickel-plated Steel		

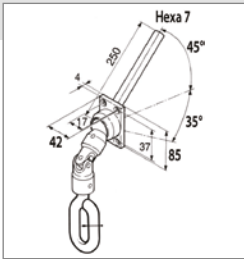
90° UNIVERSAL JOINT - FOR Ø14 MM CRANK HANDLE

PRODUCT	DESCRIPTION	ROD	LENGTH	REFERENCE
	90° universal joint for Ø 14 mm rod	Hexa 7	480 mm	2004118
	90° universal joint for Ø 14 mm rod	Square 8	480 mm	2004119
	90° universal joint for Ø 14 mm rod	Hexa 7	480 mm	2004120
	PLATE	22 x 85 mm		
	FIXATION	2 holes		
	PLATE MATERIAL	nickel-plated Zamac		
	CARDAN JOINT MATERIAL	nickel-plated Steel (ref. 2004120 : Inox steel)		

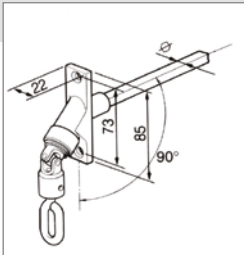
90° UNIVERSAL JOINT - FOR Ø14 MM CRANK HANDLE

PRODUCT	DESCRIPTION	ROD	LENGTH	REFERENCE
	90° universal joint for Ø 14 mm rod	Hexa 7	480 mm	2004122
	90° universal joint for Ø 14 mm rod	Square 8	480 mm	2004123
	PLATE	42 x 85 mm		
	FIXATION	4 holes		
	PLATE MATERIAL	nickel-plated Zamac		
	CARDAN JOINT MATERIAL	nickel-plated Steel		

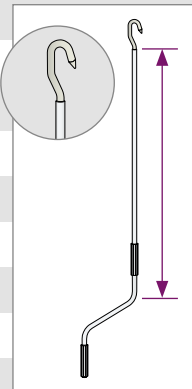
45° UNIVERSAL JOINT WITH RING

PRODUCT	DESCRIPTION	ROD	LENGTH	REFERENCE
	45° universal joint with ring	Hexa 7	250 mm	2004323
	PLATE 42 x 85 mm FIXATION 4 holes PLATE MATERIAL nickel-plated Zamac CARDAN JOINT MATERIAL nickel-plated Steel			

BEARING DOUBLE 90° UNIVERSAL JOINT WITH RING

PRODUCT	DESCRIPTION	ROD	LENGTH	REFERENCE
	Bearing double 90° universal joint with ring	Hexa 7	480 mm	2004324
	PLATE 22 x 85 mm FIXATION 2 holes PLATE MATERIAL nickel-plated Zamac CARDAN JOINT MATERIAL nickel-plated Steel			

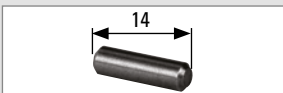
CRANK HANDLE WITH HOOK Ø 14 MM

PRODUCT	DESCRIPTION	COLOUR	QUANTITY	LENGTH	REFERENCE
	Crank handle	9010 white	1	1200 mm	2006527
	Crank handle	9010 white	10	1200 mm	2006528
	Crank handle	9010 white	10	1500 mm	2006532
	Crank handle	7035 grey	10	1500 mm	2006542
	Crank handle	galvanised grey	10	1200 mm	2006562
	Crank handle	galvanised grey	10	1400 mm	2006564
	Crank handle	galvanised grey	10	1500 mm	2006566
	Hook 90°	galvanised grey	10	1100 mm	2006576
	Hook 90°	galvanised grey	10	1400 mm	2006578

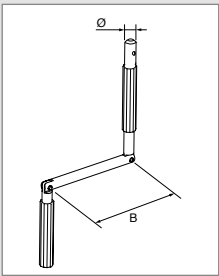
LACQUERED ALUMINIUM ROD Ø 14 MM

EXTERNAL Ø	INTERNAL Ø	THICKNESS	COLOUR	LENGTH	REFERENCE
14 mm	11 mm	1,5 mm	9003 white	3000 mm	2004171
					

ELASTIC PIN TO ASSEMBLE THE CRANK WITH Ø 14 MM ROD

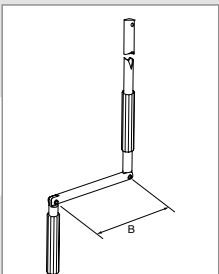
PRODUCT	DIAMETER	LENGTH	MATERIAL	REFERENCE
	Ø 4 mm	14 mm	inox steel	2003341

PUSH CRANK WITH ROUND CRANK WEB - Ø 14 MM

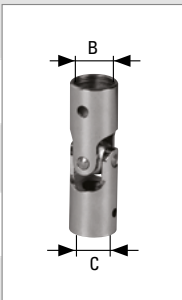
PRODUCT	Ø	CRANK WEB (LENGTH B)	UNFOLDED WEB LENGTH	HANDLE COLOUR	CARDAN JOINT MATERIAL	REFERENCE
	11 mm mâle	180 mm	370 mm	white	nickel-plated steel	2004163

Assembly on rod by Ø 4 elastic pin, 14 mm length (ref. **2003341**)

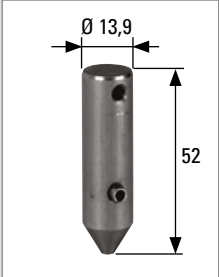
ALUMINIUM ROD WITH PUSH CRANK - ROUND CRANK WEB - Ø 14 MM

PRODUCT	CRANK WEB (LENGTH B)	UNFOLDED CRANK LENGTH	ROD AND CRANK COLOUR	REFERENCE
	140 mm	1460 mm	white	2004127
	180 mm	1500 mm	white	2004131
	180 mm	1800 mm	white	2004132

CUT OFF CARDAN JOINT - Ø 14 MM

PRODUCT	ROD SIDE (LENGTH B)	OPPOSITE SIDE (LENGTH C)	CARDAN JOINT MATERIAL	REFERENCE
	Ø 14 mm (M4 screw)	Ø 10,2 mm (pin)	nickel-plated steel	2004155
	Ø 14 mm (M4 screw)	Hexa 7 (pin)	nickel-plated steel	2004184
	Ø 14 mm (M4 screw)	Square 8 (pin)	nickel-plated steel	2004185
	Ø 14 mm (M4 screw)	Ø 14 mm (M4 screw)	nickel-plated steel	2004186
	Ø 10 mm (M4 screw)	Hexa 7	nickel-plated steel	2004403

BAYONET FOR Ø 14 MM CARDAN JOINT

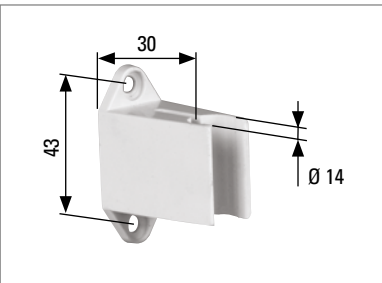
PRODUCT	SIZE REQUIRED	MATERIAL	REFERENCE
	Ø 13,9 x 52 mm	inox steel	2001775

Assembly with universal joint by a M4 screw (delivered with the universal joint)

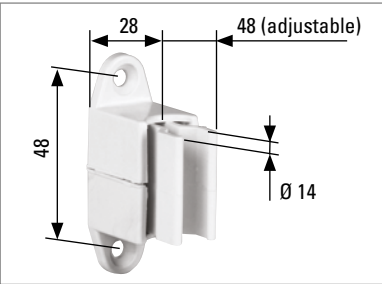
COUPLING FUNNEL FOR Ø 14 MM ROD

PRODUCT	LENGTH	MATERIAL	REFERENCE
	64 mm	nickel-plated Zamac	2001776

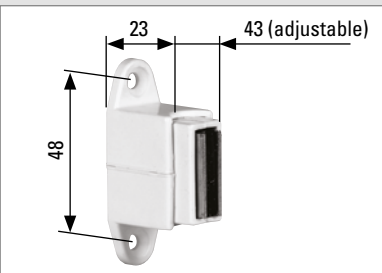
SQUEEZING CRANK CLIP FOR Ø 14 MM ROD

PRODUCT	ENTER-AXLE	COLOUR	MATERIAL	REFERENCE
	43 mm	white	PVC	2001946
	43 mm	grey	PVC	2001947

ADJUSTABLE SQUEEZING CRANK CLIP FOR Ø 14 MM ROD

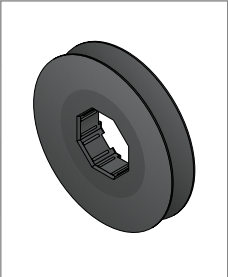
PRODUCT	ENTER-AXLE	COLOUR	MATERIAL	REFERENCE
	48 mm	white	PVC	2001949
	48 mm	grey	PVC	2001950 2006403 (x 50)

ADJUSTABLE MAGNETIC CRANK CLIP FOR Ø 14 MM ROD

PRODUCT	ENTER-AXLE	COLOUR	REFERENCE
	48 mm	white	2001953

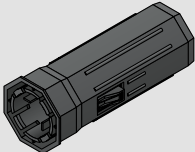
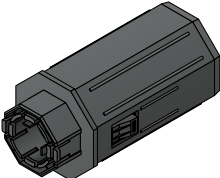
OPERATION BY BELT / PULLEY

PULLEY (only for 14mm belt)

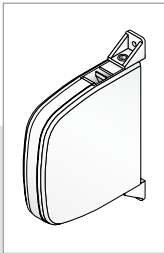
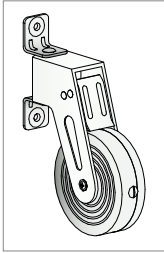
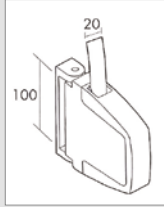
PRODUCT	DIAMETER	DESCRIPTION	REFERENCE
	125mm	Ø 125mm pulley, for octa 40-60 end cap with clips	2001973
	140mm	Ø 140mm pulley, for octa 40-60 end cap with clips	2001974
	155mm	Ø 155mm pulley, for octa 40-60 end cap with clips	2001975
	170mm	Ø 170mm pulley, for octa 40-60 end cap with clips	2001976

Maxi. tractive force, 8 Kg, (5 Kg recommended)

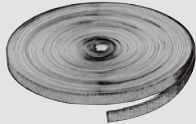
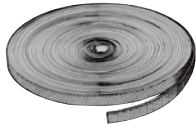
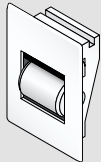
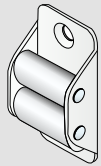
END CAP FOR PULLEY SIDE

END CAP	TUBE	DESCRIPTION	REFERENCE
	Octa 40mm	End cap for octa 40 tube, length 102, for Ø 28mm bearing	2003531
	Octa 60mm	End cap for octa 60 tube, length 96, for Ø 28mm bearing	2003529
	-	Ø 28mm bearing /12	2003455

TAPE COILER (only for 14mm belt)

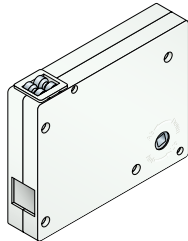
TAPE COILER	DESCRIPTION	REFERENCE
	White tape coiler, with 14mm belt, length 5m	2001661
	White tape coiler, without belt	2001663
	Tape coiler PIV STAR ABS without belt	2001637
	White tape coiler, with belt 20mm, 5m length	2001638

ACCESSORIES

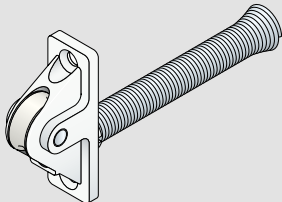
ACCESSORIES	DESCRIPTION	REFERENCE
	Grey belt, 14mm width, 100m roll	2001941
	Grey belt, 20mm width, 100m roll	2001943
	16mm white guide for belt, recessed mounting, nylon wheel, brush	2001728
	Brushstrap guide - L16 - White	2001732
	Guide roll for belt with nylon wheel - 18 x 50 mm	2001734
	Guide roll for belt with nylon wheel - 27 x 65,5 mm	2001724

OPERATION BY CORD / GEAR

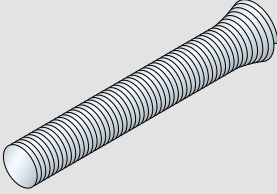
CORD GEAR

GEAR	DESCRIPTION	REFERENCE
	White cord gear, ratio 1/3, without cord (20kg maxi.)	2001672

ACCESSORIES

ACCESSORIES	DESCRIPTION	REFERENCE
	Handle, nickel plated steel, 140mm arm	2001873
	White nylon cord, Ø 4.3mm, 100m roll	2001934
	White guide for cord, steel wheel	2001737
	White guide for cord, nylon wheel, 105mm guiding	2001738
	White guide for CORD ROLL STEEL BRUSH 29 x 41mm	2001744A

ACCESSORIES

ACCESSORIES	DESCRIPTION	REFERENCE
	Spiral spring - Length 250 mm	2001613

OPERATION BY DIRECT PULLING

AND BALANCING SPRING

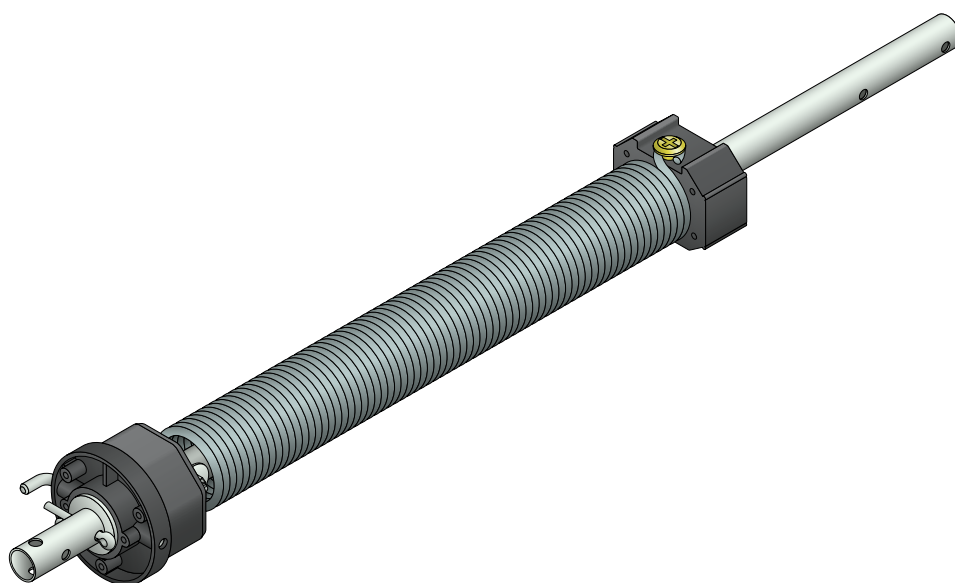
BALANCING SPRINGS

THE BALANCING SPRINGS

...consist of a steel tube Ø 16 x 1.5mm, a spring, polyamide end caps and fixing elements .

FOR DIRECT PULLING

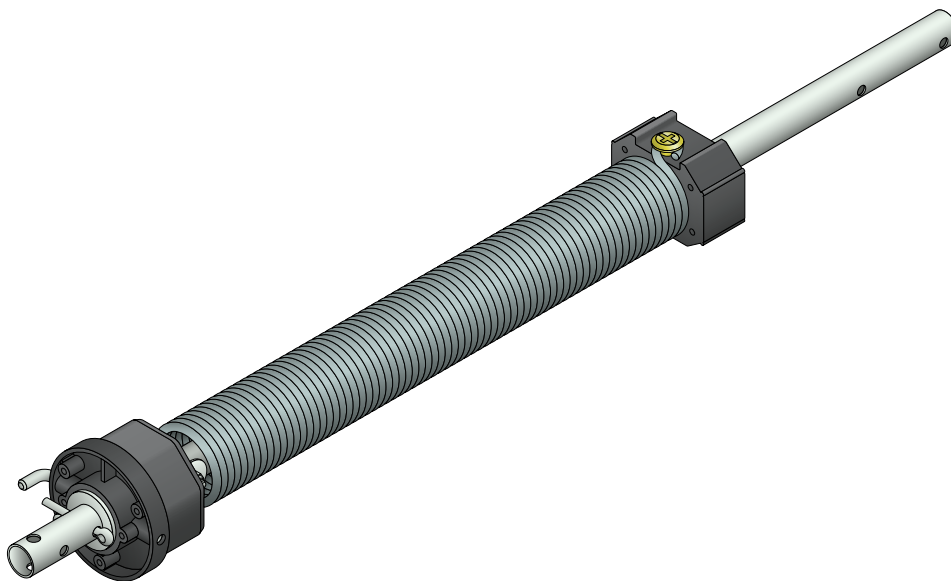
Always mounted on the left - rolling seen from inside. Maxi spring tension 18 rounds



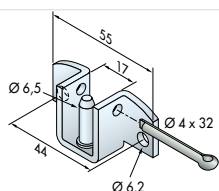
DESCRIPTION	REFERENCE
Balancing spring for direct pulling, maxi fabric 7 kg, octa 60 tube 24/10 x 400 spring, 625mm overall length	2008086
Balancing spring for direct pulling, maxi fabric 12 kg, octa 60 tube 30/10 x 500 spring, 835mm overall length	2008087

FOR BALANCING

Always mounted on the left - rolling seen from inside. Zinc plated steel shaft

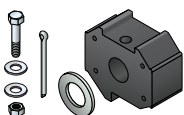


DESCRIPTION	REFERENCE
Left balancing spring, maxi fabric 10kg, octa 60 tube 34/10 x 350 spring, 625mm overall length	2008083
Left balancing spring, maxi fabric 20kg, octa 60 tube 44/10 x 600 spring, 835mm overall length	2008084
Left balancing spring, maxi fabric 30kg, octa 70 tube, 49/10 x 750 spring, 1045mm overall length	2008085



Bracket for 16mm square or tube

9017188



Bag including balancing accessories for octa 60 tube:
It allows a left balancing spring to become a right one

9017304

ACCESSORIES AND COMPONENTS FOR ROLLER SHUTTERS

ACCESSORIES FOR TUBE AND FABRIC p.174

LOCKS AND LINKS p.176

END CAPS p.186

BEARINGS AND BRACKETS - FOR OPPOSITE SIDE p.190

COMPONENTS FOR ROLLER SHUTTERS p.192



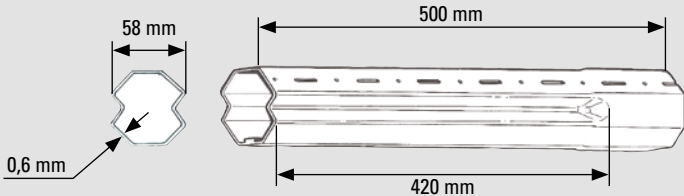
ACCESSORIES

FOR TUBE AND FABRIC

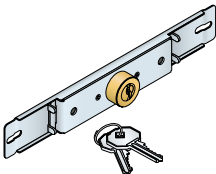
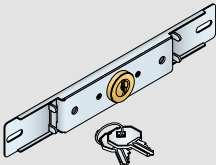
ADAPTORS

	DESCRIPTION	REFERENCE
	Ø 80mm outside, octa 60 tube inside	2003500
	Ø 80mm outside, octa 70 tube inside	2003501

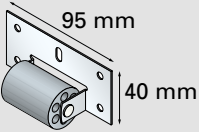
CONNECTING SHAFT

	DESCRIPTION	REFERENCE
	Connecting axle for octa 60 tube	2003425

CYLINDER LOCKS

	DESCRIPTION	REFERENCE
	Lock for final lath with 2 keys	2003432
	Lock for intermediate lath with 2 keys	2003435

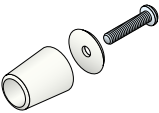
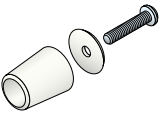
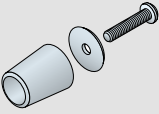
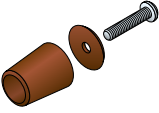
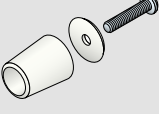
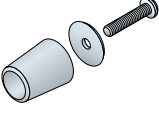
GUIDE ROLL

DESCRIPTION	REFERENCE
 95 mm 40 mm Guide roll - Ø 30mm	2001826

LIFTING GRIPS FOR 9 MM LATH

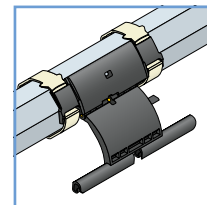
DESCRIPTION	REFERENCE
 Plastic lifting grip, white	2001944
 Plastic lifting grip, brown	2001945

CONICAL STOPPERS

DESCRIPTION	REFERENCE
 30mm conical stopper, white, galvanized screw	2003482
 40mm conical stopper, white, galvanized screw	2003485
 40mm conical stopper, grey, galvanized screw	2003486
 40mm conical stopper, brown, galvanized screw	2003487
 40mm conical stopper, white, stainless steel screws	2003491
 40mm conical stopper, grey, stainless steel screws	2003492

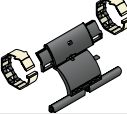
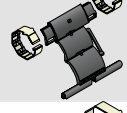
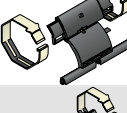
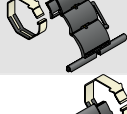
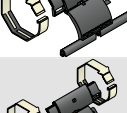
EASYLINK LOCK

FOR OCTA 40, 50 AND 60 MM TUBES



THE EASYLINK LOCK IS COMPRISED OF:

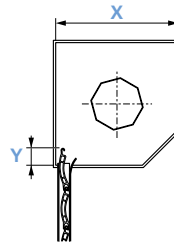
- a ring set with a quick clippable fixing system, for octa 40, 50 and 60 mm
- a fixed element
- 1 or 2 articulated elements

PRODUCT	TUBE	DESCRIPTION	REFERENCE				
			x 1	x 20	x 40	x 300	x 600
	Octa 40 / 50 / 60	Single Easylink link, 1 element	-	2007024	-	2007022	-
	Octa 40	Single Easylink link, 2 elements	-	2007147	-	-	-
	Octa 50 / 60	Single Easylink link, 2 elements	-	2007025	-	2007023	-
	Octa 40	Single Easylink ring	-	-	2007148	-	2007766
	Octa 50	Single Easylink ring	-	-	2007030	-	-
	Octa 60	Single Easylink ring	-	-	2007029	-	2007028
	Octa 40	Easylink full set, 1 element	2007149	-	-	-	-
	Octa 40	Easylink full set, 2 elements	2007150	-	-	-	-
	Octa 50	Easylink full set, 1 element	2007033	-	-	-	-
	Octa 50	Easylink full set, 2 elements	2007034	-	-	-	-
	Octa 60	Easylink full set, 1 element	2007031	-	-	-	-
	Octa 60	Easylink full set, 2 elements	2007032	-	-	-	-

HOW TO CHOOSE AN EASYLINK LOCK

The choice depends on:

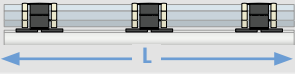
- the rolling tube
- the housing side size (X)
- the distance between the top of the first lath and the entry guide (Y)



TUBE	LENGTH X	LENGTH MINI Y	LENGTH MAXI Y	NUMBER OF ELEMENT TO CHOOSE
Octa 40	125 mm	30 mm	70 mm	1
Octa 40	137 mm	35 mm	75 mm	1
Octa 40	150 mm	40 mm	80 mm	1
Octa 40	165 mm	45 mm	85 mm	1
Octa 40	180 mm	25 mm	65 mm	2
Octa 40	205 mm	30 mm	75 mm	2
Octa 50	125 mm	25 mm	65 mm	1
Octa 50	137 mm	30 mm	70 mm	1
Octa 50	150 mm	35 mm	75 mm	1
Octa 50	165 mm	40 mm	80 mm	1
Octa 50	180 mm	20 mm	60 mm	2
Octa 50	205 mm	60 mm	100 mm	2
Octa 60	125 mm	20 mm	60 mm	1
Octa 60	137 mm	30 mm	70 mm	1
Octa 60	150 mm	40 mm	80 mm	1
Octa 60	165 mm	45 mm	85 mm	1
Octa 60	180 mm	20 mm	60 mm	2
Octa 60	205 mm	60 mm	100 mm	2

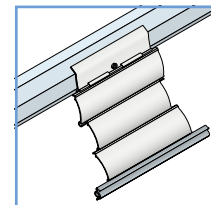
USING LIMITS

The data in the table below may vary depending on the type of lath used. Contact us.

NUMBER OF EASYLINK TO CHOOSE	FABRIC LENGTH	FABRIC WEIGHT
2 EASYLINK 	$L \leq 1400$	max. 14 kg
3 EASYLINK 	$1401 \leq L < 2350$	max. 21 kg
4 EASYLINK 	$2351 \leq L < 3300$	max. 28 kg

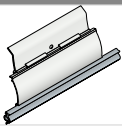
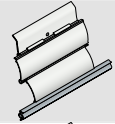
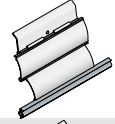
V.A.R. LOCK

ADJUSTABLE SECURITY LOCK



THE V.A.R. LOCK IS COMPRISED OF:

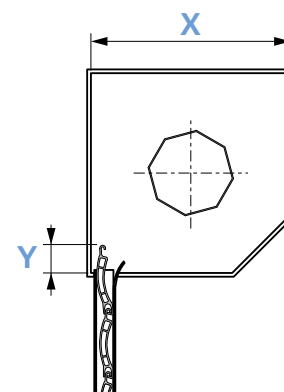
...1, 2 or 3 elements and it is screwed directly onto an octa 40, 50 or 60 tube
A block position system allows fine adjustment.

PRODUCT	TUBE	DESCRIPTION	REFERENCE	
			x 20	x 100
	Octa 40 / 50 / 60	V.A.R. 2 screw elements	9013770	9014025
	Octa 40	V.A.R. 3 screw elements	9011311	9014026
	Octa 60	V.A.R. 3 screw elements	9011313	9014027
	Octa 50 / 60	V.A.R. 4 screw elements	9011314	9014028
		Pack of 200 screws	2003337	

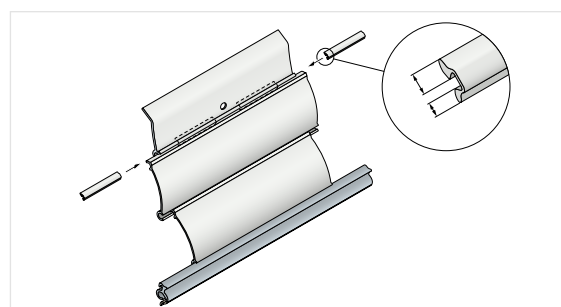
HOW TO CHOOSE A V.A.R. LOCK

The choice depends on:

- the rolling tube
- the housing side size (X)
- the distance between the top of the first lath and the entry guide (Y)

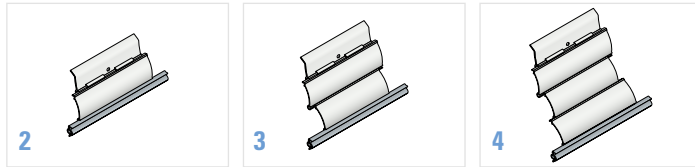


HOW TO ADJUST THE BLOCK DELIVERED WITH V.A.R.

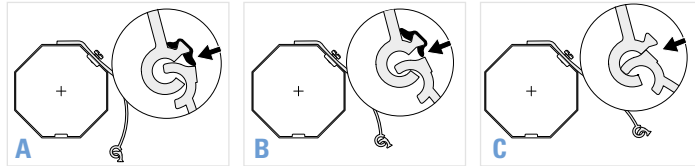


Based on these parameters, the table below gives the right combination to use:

- number of elements



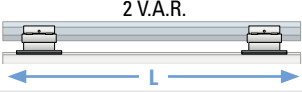
- use of the block position system



TUBE	LENGTH Y	LENGTH X					
		125 mm	140 mm	150 mm	165 mm	180 mm	205 mm
Octa 40	10 mm	A3	A3	B3	C3	A4	B4
Octa 40	20 mm	A3	A3	B3	C3	A4	B4
Octa 40	30 mm	C2	A3	A3	B3	C3	A4
Octa 40	40 mm	C2	C2	A3	B3	C3	A4
Octa 40	50 mm	C2	C2	A3	A3	B3	A4
Octa 50	10 mm	A3	B3	B3	C3	A4	B4
Octa 50	20 mm	C2	A3	B3	B3	C3	B4
Octa 50	30 mm	C2	A3	B3	B3	C3	A4
Octa 50	40 mm	C2	C2	A3	A3	B3	A4
Octa 50	50 mm	C2	C2	A3	A3	B3	C3
Octa 60	10 mm	C2	A3	B3	B3	C3	B4
Octa 60	20 mm	C2	A3	A3	B3	C3	A4
Octa 60	30 mm	C2	C2	A3	B3	B3	A4
Octa 60	40 mm	C2	C2	C2	A3	B3	C3
Octa 60	50 mm	C2	C2	C2	A3	B3	C3

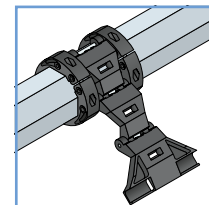
USING LIMITS

The data in the table below may vary depending on the type of lath used. Contact us if necessary.

NUMBER OF V.A.R. TO CHOOSE	FABRIC LENGTH	FABRIC WEIGHT	MAXI MOTOR TORQUE		
			2 elements	3 elements	4 elements
 2 V.A.R.	$L \leq 1300$	max. 15 kg	11 Nm	10 Nm	9 Nm
 3 V.A.R.	$1301 \leq L < 2100$	max. 21 kg	15.5 Nm	14 Nm	12.5 Nm
 4 V.A.R.	$2101 \leq L < 2900$	max. 26 kg	20 Nm	18 Nm	16 Nm

V.A.S. LOCK

SECURITY LOCK

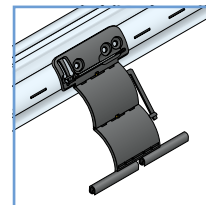


THE SECURITY LOCK IS COMPRISED OF:

- a ring set for octa 40, 60 and 70 tube
- a jointed hinge (it is comprised of 3 or 4 elements and can be hung on the laths 9mm or 14mm)

PRODUCT	TUBE	DESCRIPTION	REFERENCE		
			x 25	x 50	x 100
	Octa 40	Single ring	-	9840219	-
	Octa 60	Single ring	-	9840227	2006105
	Octa 70	Single ring	-	2003596	2006104
	-	V.A.S. hinge, 2 elements, for lath of 9mm	9840233	-	-
	-	V.A.S. hinge, 3 elements, for lath of 14mm	9840225	-	-
	-	V.A.S. hinge, 4 elements, for lath of 9mm	9840234	-	-
	-	V.A.S. hinge, 4 elements, for lath of 14mm	9840226	-	-

RIGID LINK II



THE RIGID LINK II IS COMPRISED OF:

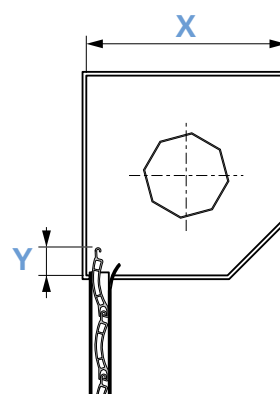
- 1 or 2 or 3 elements and is fixed by fastening wire onto the tubes ZF 54 and ZF 64. It is used with laths 8mm.

PRODUCT	TUBE	DESCRIPTION	REFERENCE				
			x 15	x 20	x 200	x 300	x 400
	ZF 54 / ZF 64	Rigid link, 1 element, with fastening wire	-	2007793	-	-	2007794
	ZF 54 / ZF 64	Rigid link, 2 elements, with fastening wire	-	2007795	-	2007796	-
	ZF 54 / ZF 64	Rigid link, 3 elements, with fastening wire	2008145	-	2008146	-	-

HOW TO CHOOSE A RIGID LINK II

The choice depends on:

- the housing side size (X)
- the distance between the top of the first lath and the entry guide (Y)



BOX X	MINI LENGTH Y	MAXI LENGTH Y	NUMBER OF ELEMENT TO CHOOSE
125 mm	20 mm	70 mm	1
137 mm	25 mm	65 mm	1
150 mm	35 mm	75 mm	1
165 mm	45 mm	90 mm	1
180 mm	15 mm	55 mm	2
205 mm	30 mm	75 mm	2
210 mm	15 mm	70 mm	3
250 mm	35 mm	105 mm	3
270 mm	50 mm	110 mm	3

USING LIMITS

The data in the table below may vary depending on the type of lath used. Contact us if necessary.

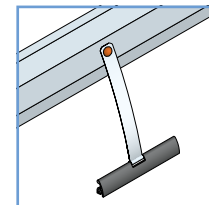
NUMBER OF ELEMENT TO CHOOSE	FABRIC LENGTH	FABRIC WEIGHT	MAXI MOTOR TORQUE
2 	$L \leq 1400$	max. 14 kg	10 Nm
3 	$1401 \leq L < 2350$	max. 21 kg	15 Nm
4 	$2351 \leq L < 3300$	max. 28 kg	20 Nm

Not compatible with gears which are not equipped with end-limit system that is non-disengagable.

Maxi stopping torque 8Nm.

It is recommended that you check the use of rigid links with tests on the end-product.

SPRING FASTENER

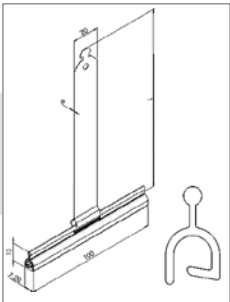


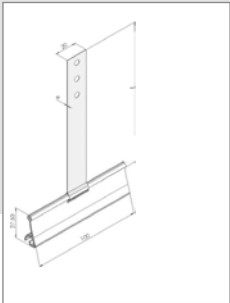
THE SPRING FASTENER IS COMPRISED OF:

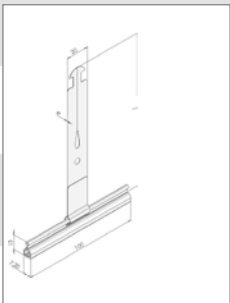
- a 130mm, 170mm or 190mm stainless steel fastener
- a fixing plate that can be adapted onto 9 or 14mm roller shutter laths

IMPORTANT

The choice of the length of the spring fastener (130mm, 170mm or 190mm) depends on the size of the box.

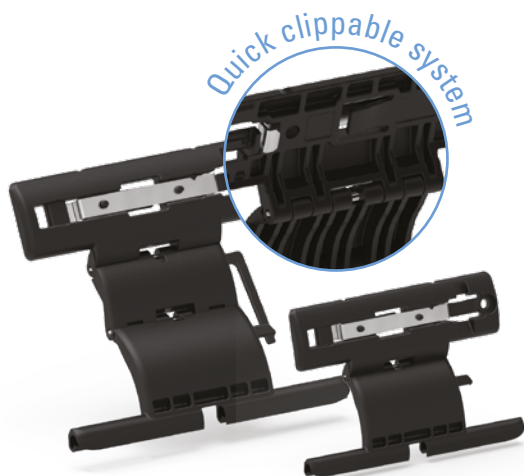
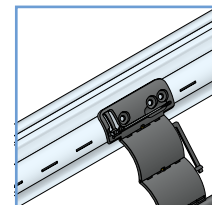
PRODUCT	DESCRIPTION	REFERENCE x 200
	Spring fastener, stainless steel, length 130mm, for lath 9mm	2003350
	Spring fastener, stainless steel, length 170mm, for lath 9mm	2003351

PRODUCT	DESCRIPTION	REFERENCE x 200
	Spring fastener, stainless steel, length 190mm, for lath 14mm	2003349

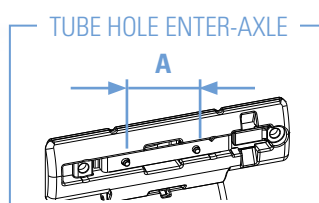
PRODUCT	DESCRIPTION	REFERENCE x 200
	Spring fastener, stainless steel, length 130mm, for lath 9mm	2003352
	Spring fastener, stainless steel, length 170mm, for lath 9mm	2003354
	Spring fastener, stainless steel, length 190mm, for lath 14mm	2003358

OCTOEASY LOCKS

FOR OCTA 40, 50 AND 60 MM TUBES



- Fast & direct mounting on the tube: no screw, no rivet, no ring.
- For octa 40, 50 and 60mm tubes.
- Compatible with slats with a thickness from 8 to 11 mm.
- Reduced winding diameter in comparison with the other locks of the market. It is similar to a winding diameter with stainless spring fasteners.
- Anti roll up function.
- Enable the automatic detection of the down end-limit position when installed with a motor with automatic settings
- Available with reduced angle to avoid frictions against the wall or the box.



Tube with 60 and 75mm enter-axle

OCTA 40MM

	ENTER-AXLE A	DESCRIPTION	REFERENCE		
			x 1	x 25	x 250
	60mm	OCTOEASY, 1 link, 60mm enter-axle	9020185	9020171	9019987
	60mm	OCTOEASY, 2 links, 60mm enter-axle	9020186	9020172	9019988
	60mm	OCTOEASY, 2 links, with reduced angle, 60mm enter-axle	9020187	9020173	9019989
	75mm	OCTOEASY, 1 link, 75mm enter-axle	9020188	9020174	9019990
	75mm	OCTOEASY, 2 links, 75mm enter-axle	9020189	9020175	9019991
	75mm	OCTOEASY, 2 links, with reduced angle, 75mm enter-axle	9010190	9020176	9019992

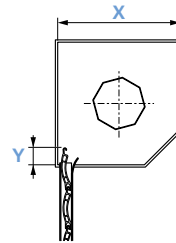
OCTA 50 & 60MM

	ENTER-AXLE A	DESCRIPTION	REFERENCE		
			x 1	x 25	x 250
	60mm	OCTOEASY, 1 link, 60mm enter-axle	9020177	9020163	9019978
	60mm	OCTOEASY, 1 link, with reduced angle, 60mm enter-axle	9020178	9020164	9019980
	60mm	OCTOEASY, 2 links, 60mm enter-axle	9020179	9020165	9019981
	60mm	OCTOEASY, 2 links, with reduced angle, 60mm enter-axle	9020180	9020166	9019982
	75mm	OCTOEASY, 1 link, 75mm enter-axle	9020181	9020167	9019983
	75mm	OCTOEASY, 1 link, with reduced angle, 75mm enter-axle	9020182	9020168	9019984
	75mm	OCTOEASY, 2 links, 75mm enter-axle	9020183	9020169	9019985
	75mm	OCTOEASY, 2 links, with reduced angle, 75mm enter-axle	9020184	9020170	9019986

HOW TO CHOOSE AN OCTOEASY LOCK

The choice depends on:

- the rolling tube
- the housing side size (X)
- the distance between the top of the first lath and the entry guide (Y)



TUBE	LENGTH X	MINI LENGTH Y	MAXI LENGTH Y	NUMBER OF ELEMENT TO CHOOSE
OCTA 40	125mm	15mm	70mm	1
OCTA 40	137mm	25mm	80mm	1
OCTA 40	150mm	35mm	80mm	1
OCTA 40	165mm	45mm	80mm	1
OCTA 40	180mm	25mm	60mm	2
OCTA 40	205mm	40mm	100mm	2
OCTA 50	125mm	25mm	65mm	1
OCTA 50	137mm	30mm	70mm	1
OCTA 50	150mm	35mm	75mm	1
OCTA 50	165mm	40mm	80mm	1
OCTA 50	180mm	20mm	60mm	2
OCTA 50	205mm	60mm	100mm	2
OCTA 60	125mm	20mm	60mm	1
OCTA 60	137mm	30mm	70mm	1
OCTA 60	150mm	40mm	80mm	1
OCTA 60	165mm	45mm	85mm	1
OCTA 60	180mm	20mm	60mm	2
OCTA 60	205mm	60mm	100mm	2

USING LIMITS

The data in the table below may vary depending on the type of lath used. Contact us if necessary.

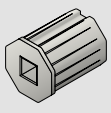
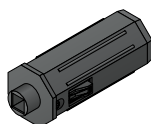
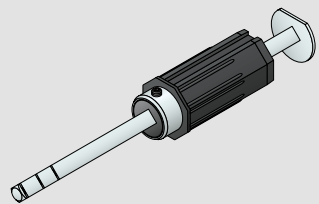
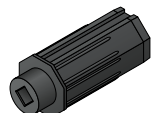
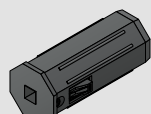


		FABRIC WEIGHT			
		Up to 14kg	from 14 to 21kg	from 21 to 28kg	from 28 to 35kg
Octa 40, 50, 60 tube with PVC fabric	From 450 to 1200mm	2	3	4	5
	From 1200 to 1700mm	3	3	4	5
	From 1700 to 2200mm	4	4	4	5
Octa 40, 50, 60 tube with Aluminium fabric	From 450 to 1400mm	2	3	4	5
	From 1400 to 2350mm	3	3	4	5
	From 2350 to 3300mm	4	4	4	5
	> 3300mm	1 lock every 80cm (important: 40Nm and 7kg max. per lock)			

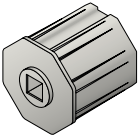
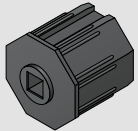
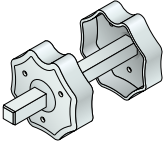
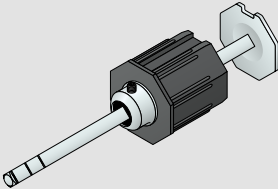
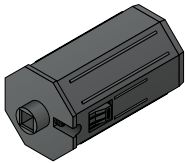
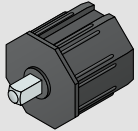
END CAPS

FOR GEAR SIDE

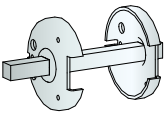
OCTA 40 MM ROLLING TUBE

END CAP	DESCRIPTION	REFERENCE
	Aluminium end cap length 50mm with female 13mm square	2003466
	End cap length 80mm, with clips + screws, with female 10mm square	2003106
	Telescopic end cap, length 250mm, with 10mm square pivot	2003388
	End cap length 89mm, with female 10mm square	2003345
	End cap length 71mm, with clips with female 13mm square	2003524

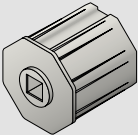
OCTA 60 MM ROLLING TUBE

END CAP	DESCRIPTION	REFERENCE
	Aluminium end cap length 51mm, with female 13mm square	2003467
	End cap length 53mm, with female 13mm square	2003534
	Bobbin with 10mm square	2002338
	Telescopic end cap, length 250mm, with 10mm square pivot	2003394
	End cap length 115 mm with clips with 10mm female square for 18mm bearing with bore	2008496 (x1) 2008498 (x100)
	End cap, length 82mm, with 10mm square pivot	2003537

LP62 ROLLING TUBE

END CAP	DESCRIPTION	REFERENCE
	Bobbin with 10mm square	2002340

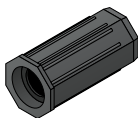
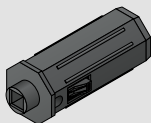
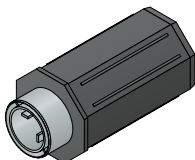
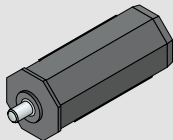
OCTA 70 MM ROLLING TUBE

END CAP	DESCRIPTION	REFERENCE
	Aluminium end cap length 51mm, with female 13mm square	2003468

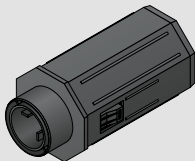
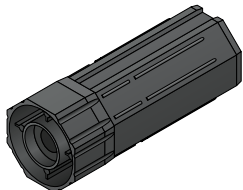
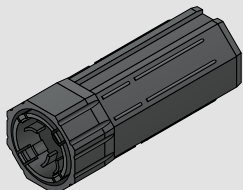
END CAPS FOR TUBE

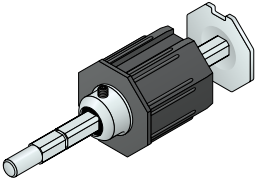
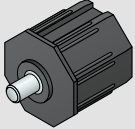
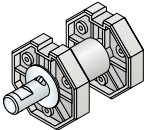
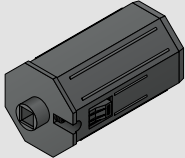
FOR OPPOSITE SIDE

OCTA 40MM ROLLING TUBE

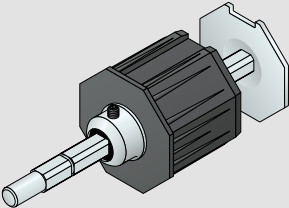
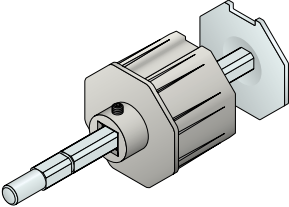
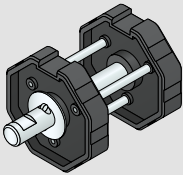
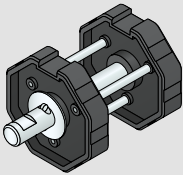
END CAP	DESCRIPTION	REFERENCE
	End cap length 78mm for Ø28mm bearing	2003527
	End cap length 80mm, with clips + screws, with female 10mm square,	2003106
	Adjustable end cap, octa 40 for Ø28mm bearing	2007508
	End cap length 71.5mm, octa 40 for Ø10mm bearing	2003542

OCTA 60MM ROLLING TUBE

END CAP	DESCRIPTION	REFERENCE
	End cap length 98mm with clips for Ø28mm bearing	2003528
	End cap length 150mm for Ø28mm bearing	2003539
	End cap length 150mm for Ø42mm bearing	2003540

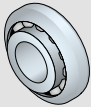
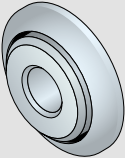
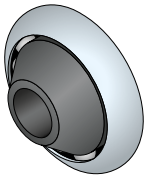
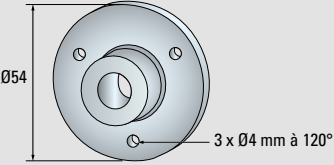
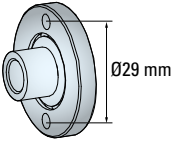
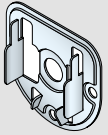
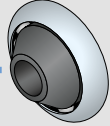
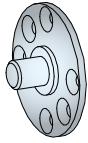
END CAP	DESCRIPTION	REFERENCE
	Plastic telescopic end cap length 200mm with 12mm pivot	2003389
	End cap length 57mm with 12mm pivot	2003535
	Bobbin for SIMU bracket	2003565
	End cap length 115 mm with clips with 10mm female square for 18mm bearing with bore	2008496 (x1) 2008498 (x100)

OCTA 70MM ROLLING TUBE

END CAP	DESCRIPTION	REFERENCE
	Plastic telescopic end cap length 200mm with 12mm pivot	2003390
	Aluminium telescopic end cap length 200mm with 12mm pivot	2003471
	Bobbin Bichro	2003560
	Bobbin for SIMU bracket	2003564
	ref. 2003617	

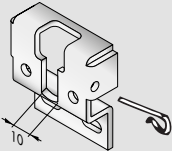
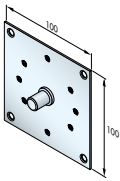
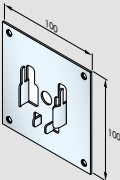
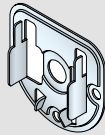
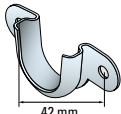
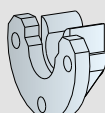
BEARINGS

FOR OPPOSITE SIDE

BEARING	DESCRIPTION	REFERENCE
	Ø28mm steel bearing 12mm bore	2003454
	Ø28mm nylon bearing 12mm bore	2003455
	Ø42mm steel bearing 12mm bore	2003447
	Ø42mm nylon bearing 12mm bore	2003448
 Ø54 3 x Ø4 mm à 120°	Ø54mm bearing for Ø12mm shaft	2003598
 Ø29 mm	Ø10mm bearing bracket	2003600 (x1) 2006409 (x50)
 +  ref. 2003443 ref. 2003448	Bracket for Ø42mm bearing + Ø42mm nylon bearing - 12mm bore	2003601
	Bracket for bearing with Ø12mm bore	2003607

BRACKETS

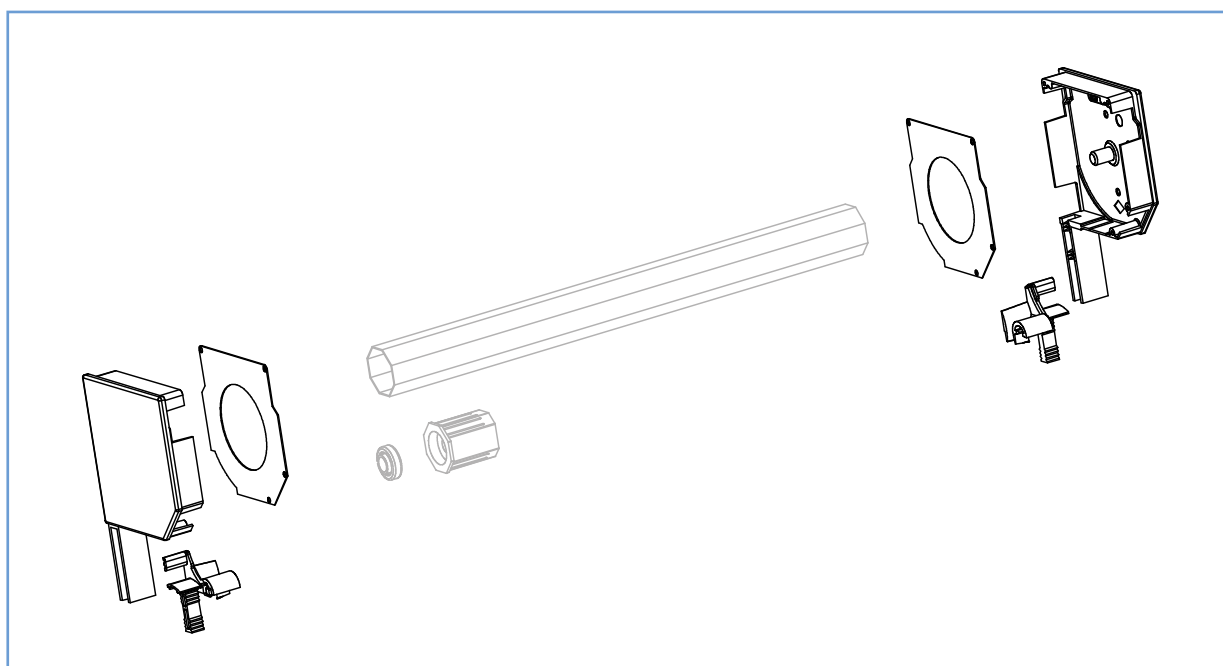
FOR OPPOSITE SIDE

BRACKET	DESCRIPTION	REFERENCE
	Bracket for bobbin ref. 2003565 / ref. 2003560 / ref. 2003564 Delivered with pin	2003617
	Plate 100 x 100mm with 12mm spring	2002645
	Plate 100 x 100mm for Ø42mm bearing ref. 2003447 or ref. 2003448	2002644
	Bracket for Ø42mm bearing ref. 2003447 or ref. 2003448	2003442
	Bracket for Ø42mm bearing ref. 2003447 or ref. 2003448	2003443
	Bracket (x100) for Ø28mm bearing ref. 2003455 or ref. 2003454	2003446 (x100)
	Bearing for opposite side Ø 11.2 - Nylon	2003599 (x1) 2006408 (x100)

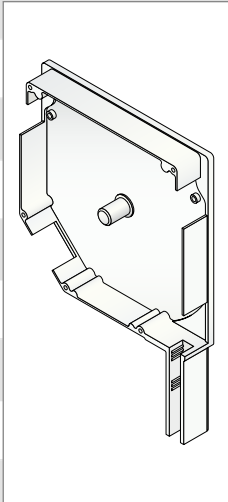
COMPONENTS

FOR ROLLER SHUTTERS

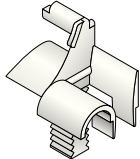
COMPONENTS FOR RENOVATION SYSTEM - GAVIOTA/SIMBAC



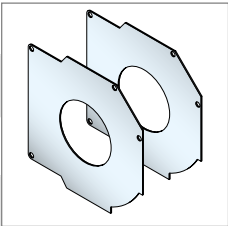
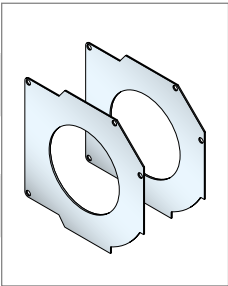
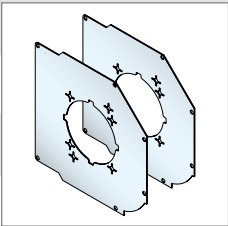
MINI45° RENOVATION SIDE FRAME

SIDE FRAME	TYPE	DESCRIPTION	REFERENCE x 25 pairs
	137	Mini 45° renovation side frame, white, 137mm	2004751
	150	Mini 45° renovation side frame, white, 150mm	2004758
	165	Mini 45° renovation side frame, white, 165mm	2004765
	180	Mini 45° renovation side frame, white, 180mm	2004771
	205	Mini 45° renovation side frame, white, 205mm	2004777
	150	Mini 45° renovation side frame, white 9010, 150mm	2004762
	165	Mini 45° renovation side frame, white 9010, 165mm	2004768
	180	Mini 45° renovation side frame, white 9010, 180mm	2004783
	205	Mini 45° renovation side frame, white 9010, 205mm	2004781

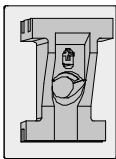
ENTRY GUIDE FOR MINI 45° RENOVATION SIDE FRAME

ENTRY GUIDE	DESCRIPTION	REFERENCE x 200 pairs
	Entry guide for mini 45° side frame, white	2003148

PLATES FOR MINI 45° RENOVATION SIDE FRAME

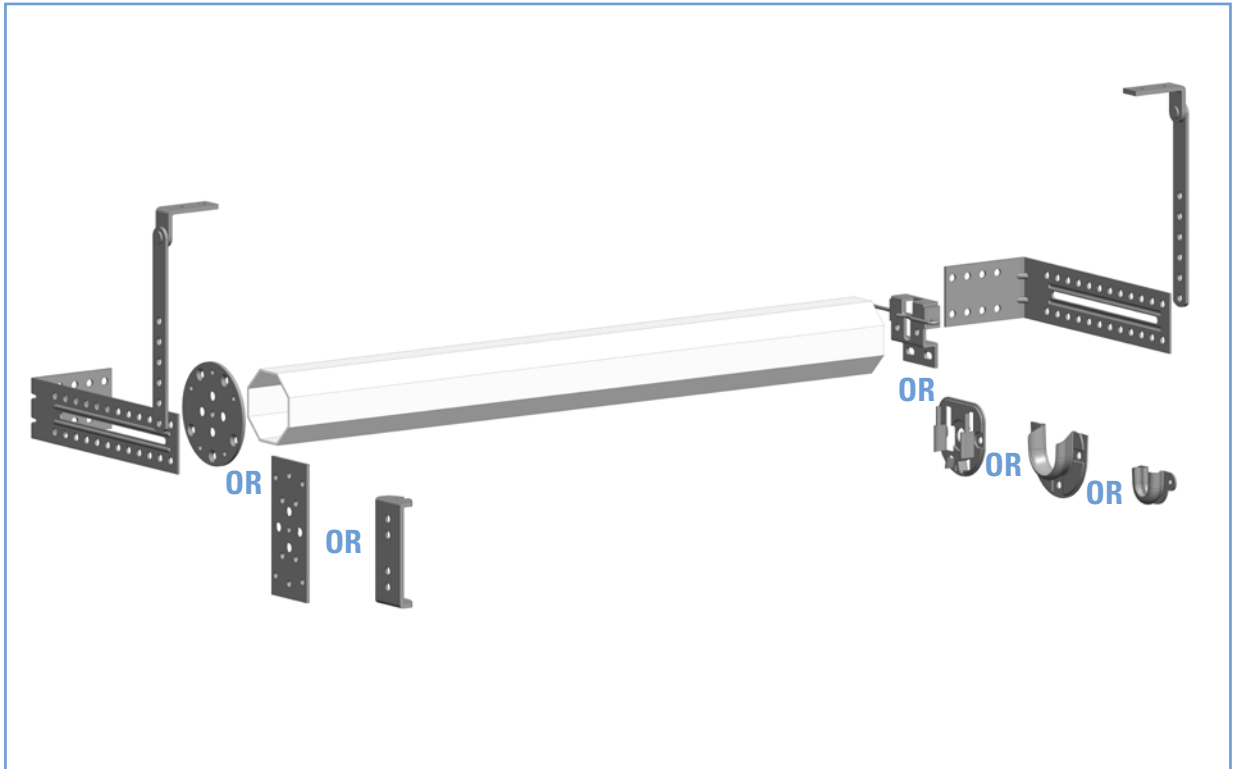
PLATES	TYPE	DESCRIPTION	x 1 pair	REFERENCE x 40 pairs	x 50 pairs
	137	Plate with a 55mm hole for 137mm side frame	2005313	-	-
	150	Plate with a 55mm hole for 150mm side frame	-	-	2004738
	180	Plate with a 55mm hole for 180mm side frame	-	-	2004740
	205	Plate with a 55mm hole for 205mm side frame	-	2004741	-
	137	Plate with a 72mm hole for 137mm side frame	2005314	-	-
	150	Plate with a 72mm hole for 150mm side frame	-	-	2004742
	165	Plate with a 72mm hole for 165mm side frame	-	-	2004743
	180	Plate with a 72mm hole for 180mm side frame	-	-	2004744
	205	Plate with a 72mm hole for 205mm side frame	-	2004745	-
	150	Plate for 150mm side frame, for DMI	-	-	2005294
	165	Plate for 165mm side frame, for DMI	-	-	2005295
	180	Plate for 180mm side frame, for DMI	-	-	2005296
	205	Plate for 205mm side frame, for DMI	-	2005297	-

CABLE GUIDE

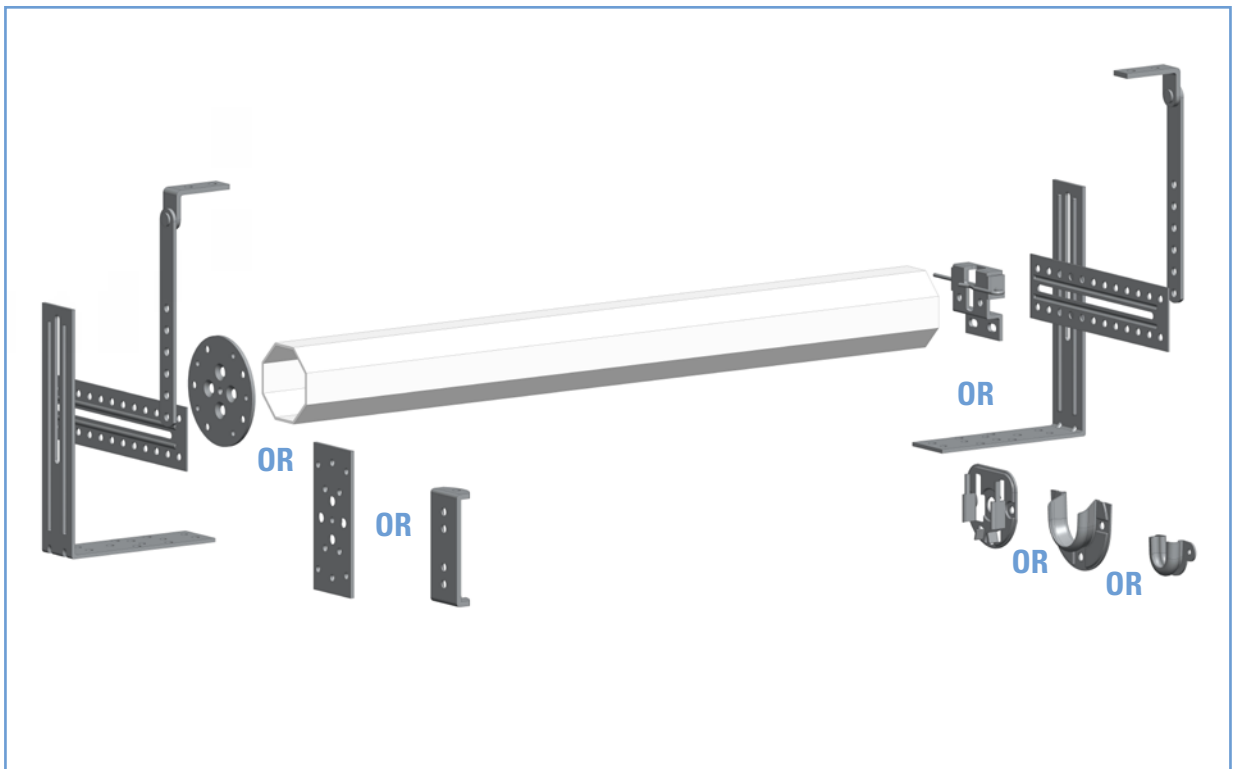
PRODUCT	DESCRIPTION	REFERENCE
	White cable guide (x50)	605409A (x50)

COMPONENTS FOR WALL INTEGRATED SYSTEM - SIMU

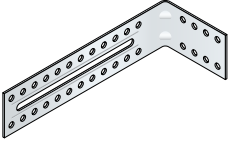
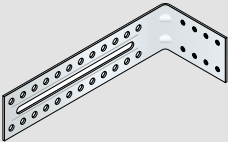
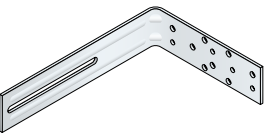
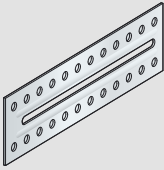
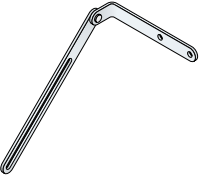
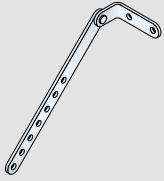
BUILT-IN BOX MOUNTING



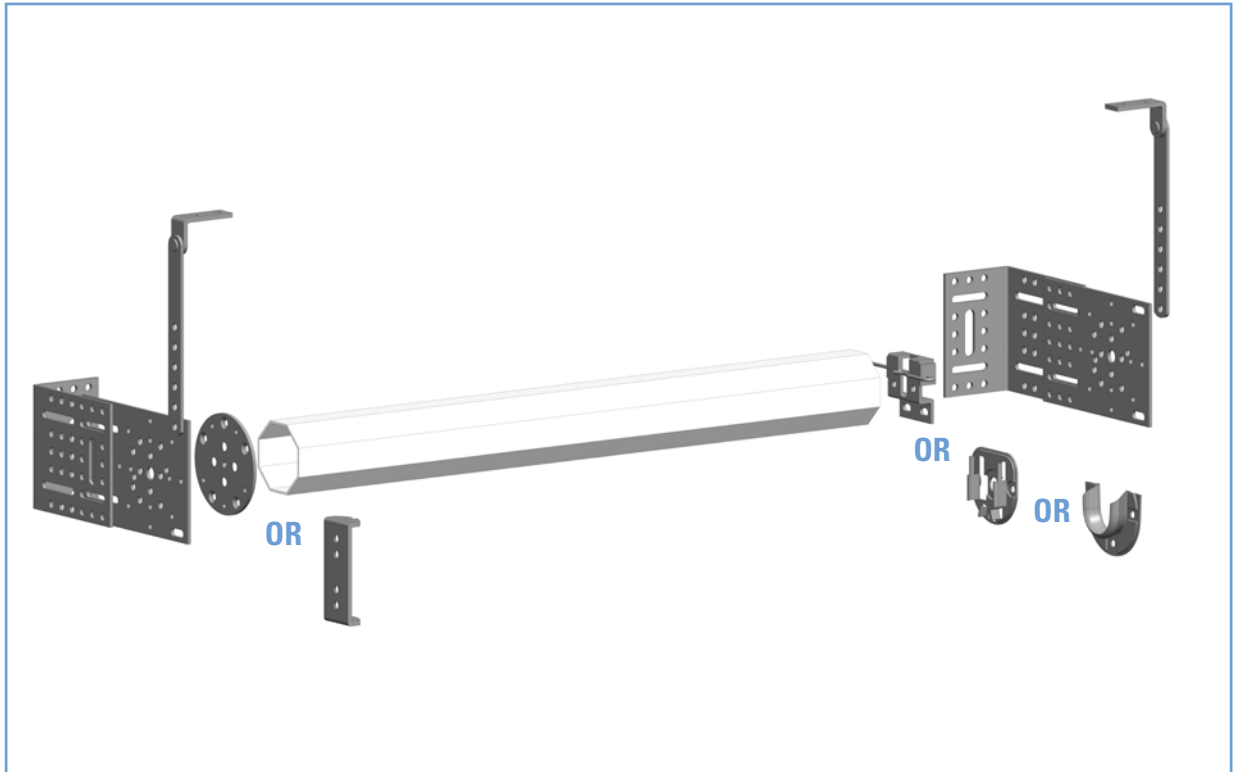
MOUNTING ON WINDOW FRAME



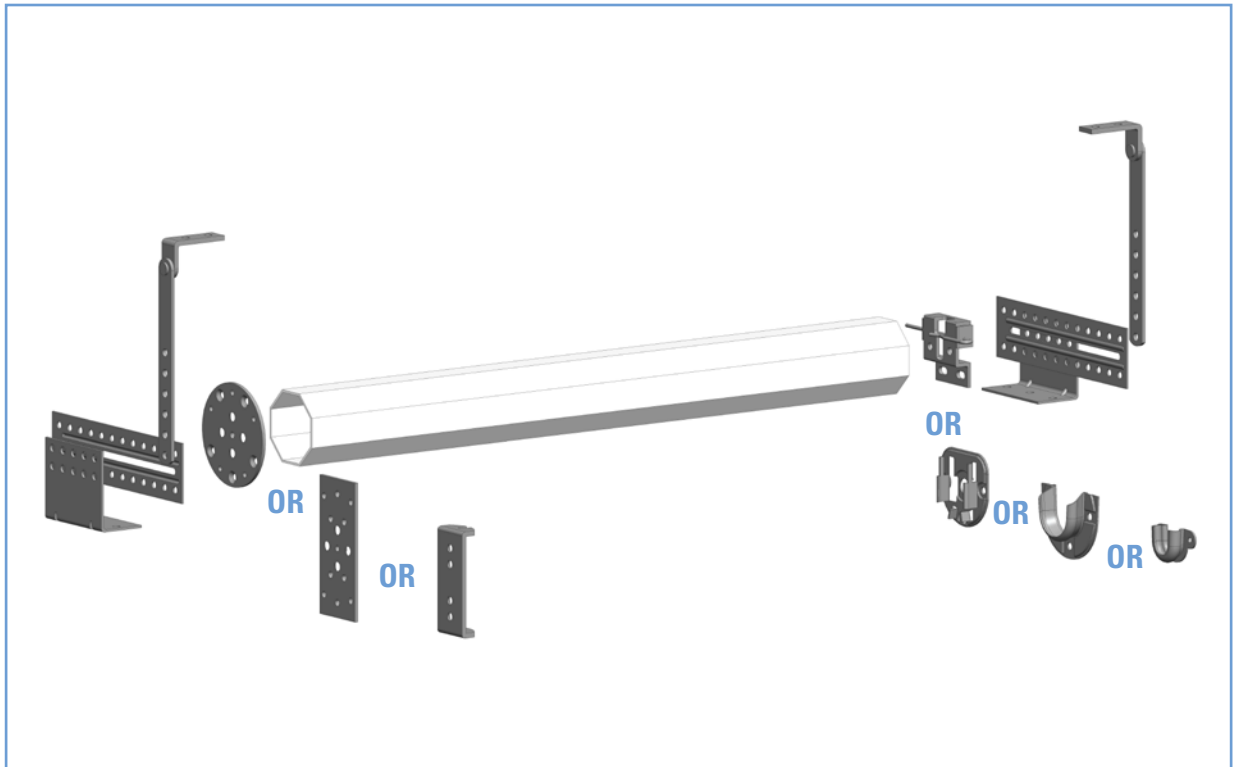
SQUARE BRACKETS AND REINFORCING BRACKETS

PRODUCT	DESCRIPTION	REFERENCE
	210 x 80 x 50mm square bracket for window lintel, Ø 6.5 holes	2003620
	210 x 80 x 50mm square bracket for window lintel, Ø 6.5 and M5 holes	2003621
	Bracket for window frame - Length 200mm	2003615
	Plate for mouting on window frame - 185x50mm	2003613
	180 x 115mm strut	2003452
	170 x 55mm strut	2003616

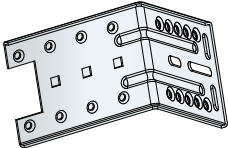
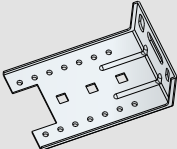
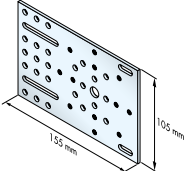
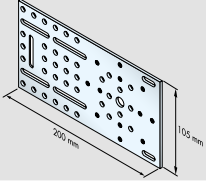
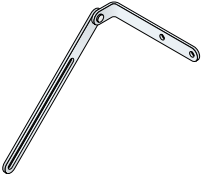
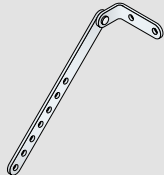
BUILT-IN BOX MOUNTING



MOUNTING ON WINDOW FRAME

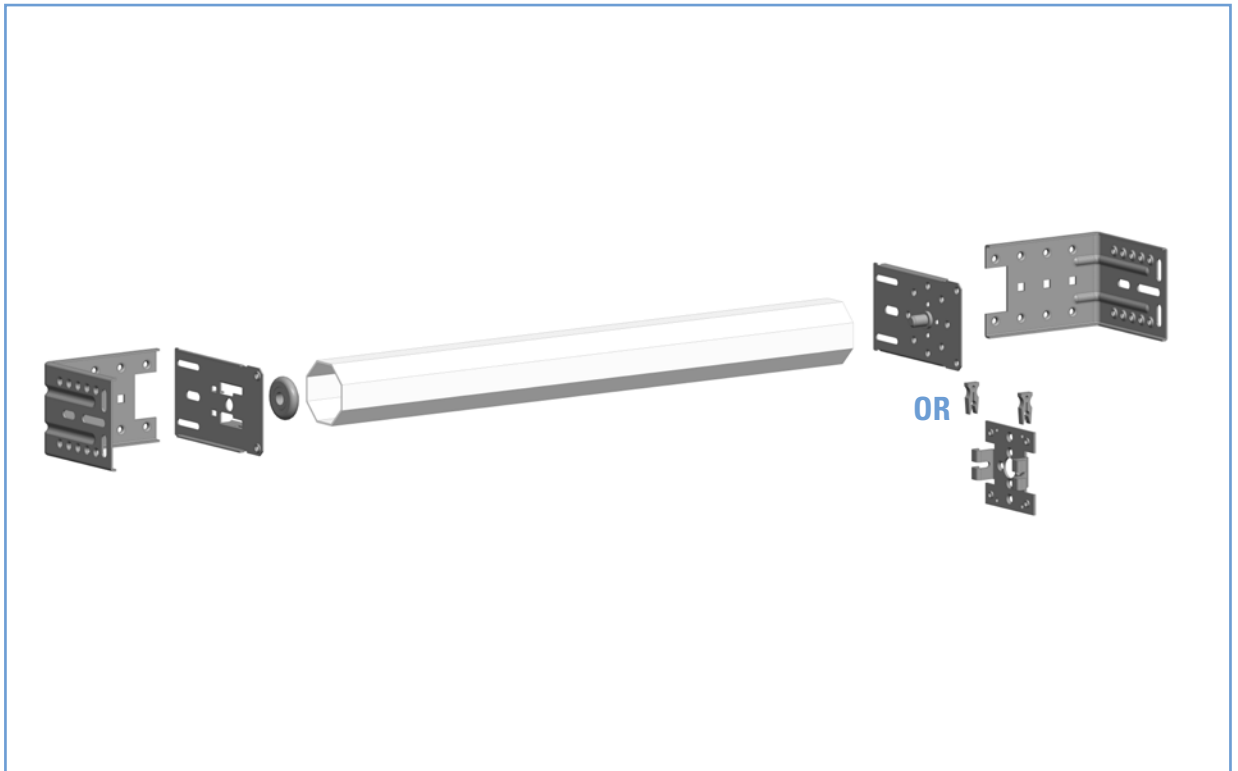


SQUARE BRACKETS AND REINFORCING BRACKETS

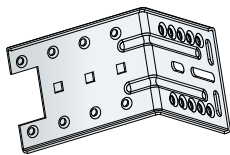
PRODUCT	DESCRIPTION	REFERENCE
	Square bracket 110 x 130 x 84 - Hole M6	2003377
	Universal square bracket 50 x 130 x 84	2003375
	Bracket for TRADITIONNAL SYSTEM Length 155mm	2003611
	Bracket for TRADITIONNAL SYSTEM Length 200mm	2003612
	180 x 115mm strut	2003452
	170 x 55mm strut	2003616

COMPONENTS FOR WALL INTEGRATED SYSTEM - GAVIOTA/SIMBAC

BUILT-IN BOX MOUNTING

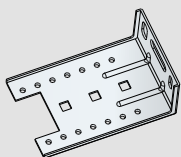


SQUARE BRACKETS AND REINFORCING BRACKETS



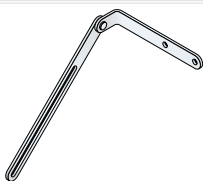
Square bracket - 110 x 130 x 84mm - M6 hole

2003375



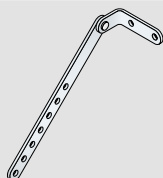
Universal square bracket - 50 x 130 x 84mm

2003377



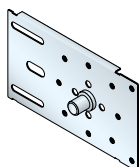
Strut - 180 x 115mm

2003452



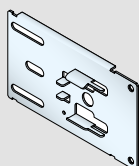
Strut - 170 x 55mm

2003616



145 x 84mm plate with Ø12 pivot

2005311



145 x 84mm plate
for Ø12 bearing ref. 2003448

2003378

REFERENCES

MOTOR REFERENCES p.202

CONTROL AND ACCESSORY REFERENCES p.210



MOTOR

REFERENCES

LISTING BY MOTOR RANGE

REFERENCE	DESCRIPTION	PACKAGED BY	PAGE
AUTOSUN2: Components & accessories			
9020808	NAKED BATTERY C0,25M DIAM 23/1	1	25
9020628	NAKED BATTERY C0,25M DIAM 23/20	20	25
9020630	BRACKET FOR NAKED BATTERY DIAM 23/40	40	25
9020629	BRACKET FOR NAKED BATTERY DIAM 23/200	200	25
9020634	BATTERY STICK C0.3M/1	1	25
9020635	BATTERY STICK C0.6M/1	1	25
9021212	BATTERY STICK C0.3M/10	10	25
9021213	BATTERY STICK C0.6M/10	10	25
9021216	20 ADHESIVES FOR BATTERY STICK/1	1	25
9020637	SET OF 2 WEDGES BATTERY STICK/1	1	25
9019032	SOLAR PANEL X 1	1	26
9019031	SOLAR PANEL X 20	20	26
9018382	SOLAR PANEL X 20	20	26
9020627	OLAR PANEL WITH TAPE/1	1	26
9020626	SOLAR PANEL WITH TAPE/10	10	26
9019683	SOLAR PANEL BRACKET	1	26
9019722	SOLAR PANEL EXTENSION CABLE 5M	1	26
9020638	BATTERY CHARGER/1	1	27
9020481	MOTOR CABLE AUTOSUN 2 vs 1	1	27
9020639	BATTERY CABLE AUTOSUN 2 vs 1	1	27
AUTOSUN2 Full set			
2009398	T3.5EHZ 3/23 12V + SOL KIT EXT	1	27
2009399	T3.5EHZ 6/18 12V + SOL KIT EXT	1	27
2009400	T3.5EHZ 10/12 12V + SOL KIT EXT	1	27
AUTOSUN2 SET - Solar panel + battery			
9021214	SOLAR KIT EXTERIOR C0,3M/1	1	27
9021215	SOLAR KIT EXTERIOR C0,6M/1	1	27
T3.5 E Hz DC MOTORS - 12 VDC - 0.2 meters cable			
2009080	T3.5EHZ 3/23 12V C0.20M/1	1	29
2009081	T3.5EHZ 6/18 12V C0.20M/1	1	29
2009082	T3.5EHZ 10/12 12V C0.20M/1	1	29
2009083	T3.5EHZ 3/23 12V C0.20M/10	10	29
2009084	T3.5EHZ 6/18 12V C0.20M/10	10	29
2009085	T3.5EHZ 10/12 12V C0.20M/10	10	29
2009086	T3.5EHZ 3/23 12V C0.20M/100	100	29
2009087	T3.5EHZ 6/18 12V C0.20M/100	100	29
2009088	T3.5EHZ 10/12 12V C0.20M/100	100	29
T3.5 E BHz MOTORS - 230V / 50Hz - 3 meters cable			
2009220	T3.5EBHZ 04/16 230/50 C3M WH/1	1	31
2009221	T3.5EBHZ 09/16 230/50 C3M WH/1	1	31
2009222	T3.5EBHZ 13/10 230/50 C3M WH/1	1	31
2009217	T3.5EBHZ 04/16 230/50 C3M WH/10	10	31
2009218	T3.5EBHZ 09/16 230/50 C3M WH/10	10	31
2009219	T3.5EBHZ 13/10 230/50 C3M WH/10	10	31
T5 E BHz MOTORS - 230V / 50Hz - 2.5 meters cable			
2009210	T5EBHZ 08/17 230/50 C2.5M WH/1	1	33
2009211	T5EBHZ 10/17 230/50 C2.5M WH/1	1	33
2009212	T5EBHZ 15/17 230/50 C2.5M WH/1	1	33
2009213	T5EBHZ 20/17 230/50 C2.5M WH/1	1	33
2009214	T5EBHZ 25/17 230/50 C2.5M WH/1	1	33
2009215	T5EBHZ 35/17 230/50 C2.5M WH/1	1	33
2009216	T5EBHZ 50/12 230/50 C2.5M WH/1	1	33
2009203	T5EBHZ 08/17 230/50 C2.5M WH/10	10	33
2009204	T5EBHZ 10/17 230/50 C2.5M WH/10	10	33
2009205	T5EBHZ 15/17 230/50 C2.5M WH/10	10	33
2009206	T5EBHZ 20/17 230/50 C2.5M WH/10	10	33

REFERENCE	DESCRIPTION	PACKAGED BY	PAGE
2009207	T5EBHZ 25/17 230/50 C2.5M WH/10	10	33
2009208	T5EBHZ 35/17 230/50 C2.5M WH/10	10	33
2009209	T5EBHZ 50/12 230/50 C2.5M WH/10	10	33
2009355	T5EBHZ 08/17 230/50C2.5M WH/100	100	33
2009356	T5EBHZ 10/17 230/50C2.5M WH/100	100	33
2009357	T5EBHZ 15/17 230/50C2.5M WH/100	100	33
T5 AUTOSHORT BHz MOTORS - 230V / 50Hz - 3 meters cable			
2009224	T5 AUTOSHORTBHZ 06/17 C3M WH/1	1	35
2009223	T5 AUTOSHORTBHZ 06/17 C3M WH/10	10	35
T3.5 Hz.02 MOTORS - 230V / 50Hz - 3 meters cable			
Other lengths of cables available, consult us.			
2008657	T3.5 HZ02 3/30 C3M WHITE/1	1	36
2008659	T3,5 HZ02 4/16 C3M WHITE/1	1	36
2008661	T3,5 HZ02 9/16 C3M WHITE/1	1	36
2008663	T3,5 HZ02 13/10 C3M WHITE/1	1	36
2008658	T3.5 HZ02 3/30 C3M WHITE/10	10	36
2008660	T3.5 HZ02 4/16 C3M WHITE/10	10	36
2008662	T3.5 HZ02 9/16 C3M WHITE/10	10	36
2008664	T3,5 HZ02 13/10 C3M WHITE/10	10	36
2008667	T3.5 HZ02 9/16 C3M WHITE/100	100	36
T5 E Hz MOTORS - 230V / 50Hz			
2.5 meters white cable			
2005366	T5EHZ 08/17 230/50 2,5M WHITE	1	39
2005367	T5EHZ 10/17 230/50 2,5M WHITE	1	39
2005368	T5EHZ 15/17 230/50 2,5M WHITE	1	39
2005369	T5EHZ 20/17 230/50 2,5M WHITE	1	39
2005370	T5EHZ 25/17 230/50 2,5M WHITE	1	39
2005371	T5EHZ 35/17 230/50 2,5M WHITE	1	39
2005372	T5EHZ 50/12 230/50 2,5M WHITE	1	39
2005373	T5EHZ 08/17 230/50 2,5M WHITE/10	10	39
2005374	T5EHZ 10/17 230/50 2,5M WHITE/10	10	39
2005375	T5EHZ 15/17 230/50 2,5M WHITE/10	10	39
2005376	T5EHZ 20/17 230/50 2,5M WHITE/10	10	39
2005377	T5EHZ 25/17 230/50 2,5M WHITE/10	10	39
2005378	T5EHZ 35/17 230/50 2,5M WHITE/10	10	39
2005379	T5EHZ 50/12 230/50 2,5M WHITE/10	10	39
2006065	T5EHZ 08/17 230/50 C2,5M WHITE/100	100	39
2006066	T5EHZ 10/17 230/50 C2,5M WHITE/100	100	39
2006067	T5EHZ 15/17 230/50 C2,5M WHITE/100	100	39
5 meters white cable			
2005691	T5EHZ 08/17 230/50 5M WHITE/1	1	39
2005692	T5EHZ 10/17 230/50 5M WHITE/1	1	39
2005693	T5EHZ 15/17 230/50 5M WHITE/1	1	39
2005694	T5EHZ 20/17 230/50 5M WHITE/1	1	39
2005695	T5EHZ 25/17 230/50 5M WHITE/1	1	39
2005696	T5EHZ 35/17 230/50 5M WHITE/1	1	39
2005697	T5EHZ 50/12 230/50 5M WHITE/1	1	39
2005698	T5EHZ 08/17 230/50 5M WHITE/10	10	39
2005699	T5EHZ 10/17 230/50 5M WHITE/10	10	39
2005722	T5EHZ 15/17 230/50 5M WHITE/10	10	39
2005723	T5EHZ 20/17 230/50 5M WHITE/10	10	39
2005724	T5EHZ 25/17 230/50 5M WHITE/10	10	39
2005725	T5EHZ 35/17 230/50 5M WHITE/10	10	39
2005726	T5EHZ 50/12 230/50 5M WHITE/10	10	39
2.5 meters white cable - Without pin motors			
2005687	T5EHZ WP 08/17 230/50 C2,5M WHITE/1	1	39
2005688	T5EHZ WP 10/17 230/50 C2,5M WHITE/1	1	39
2005689	T5EHZ WP 15/17 230/50 C2,5M WHITE/1	1	39
2005690	T5EHZ WP 20/17 230/50 C2,5M WHITE/1	1	39

REFERENCE	DESCRIPTION	PACKAGED BY	PAGE
T5 Hz.02 MOTORS - 230V / 50Hz			
2.5 meters white cable			
2004661	T5HZ02 08/17 230/50 C2,5M WHITE/1	1	40
2004662	T5HZ02 10/17 230/50 C2,5M WHITE/1	1	40
2004663	T5HZ02 15/17 230/50 C2,5M WHITE/1	1	40
2004664	T5HZ02 25/17 230/50 C2,5M WHITE/1	1	40
2004665	T5HZ02 35/17 230/50 C2,5M WHITE/1	1	40
2004666	T5HZ02 50/12 230/50 C2,5M WHITE/1	1	40
2005093	T5HZ02 20/17 230/50 C2,5M WHITE/1	1	40
2005094	T5HZ02 08/17 230/50 C2,5M WHITE/10	10	40
2005095	T5HZ02 10/17 230/50 C2,5M WHITE/10	10	40
2005096	T5HZ02 15/17 230/50 C2,5M WHITE/10	10	40
2005097	T5HZ02 20/17 230/50 C2,5M WHITE/10	10	40
2005098	T5HZ02 25/17 230/50 C2,5M WHITE/10	10	40
2005099	T5HZ02 35/17 230/50 C2,5M WHITE/10	10	40
2005100	T5HZ02 50/12 230/50 C2,5M WHITE/10	10	40
2005898	T5HZ02 08/17 230/50 C2,5M WHITE/100	100	40
2005899	T5HZ02 10/17 230/50 C2,5M WHITE/100	100	40
2005900	T5HZ02 15/17 230/50 C2,5M WHITE/100	100	40
5 meters white cable			
2006229	T5HZ02 08/17 230/50 C5M WHITE/1	1	40
2006230	T5HZ02 10/17 230/50 C5M WHITE/1	1	40
2005741	T5HZ02 15/17 230/50 C5M WHITE/1	1	40
2006231	T5HZ02 20/17 230/50 C5M WHITE/1	1	40
2006232	T5HZ02 25/17 230/50 C5M WHITE/1	1	40
2006233	T5HZ02 35/17 230/50 C5M WHITE/1	1	40
2006234	T5HZ02 50/12 230/50 C5M WHITE/1	1	40
2005742	T5HZ02 50/12 230/50 C5M WHITE/1	1	40
2006130	T5HZ02 08/17 230/50 C5M WHITE/10	10	40
2006131	T5HZ02 10/17 230/50 C5M WHITE/10	10	40
2006132	T5HZ02 20/17 230/50 C5M WHITE/10	10	40
2006133	T5HZ02 25/17 230/50 C5M WHITE/10	10	40
2006134	T5HZ02 35/17 230/50 C5M WHITE/10	10	40
2006135	T5HZ02 50/12 230/50 C5M WHITE/10	10	40
T5 Hz.02 MOTORS - 120V / 60Hz - 2 meters cable			
2006352	T5HZ02 10/12 120/60 C2M WHITE/1	1	40
2006353	T5HZ02 20/12 120/60 C2M WHITE/1	1	40
2005133	T5HZ02 15/18 120/60 C2M WHITE/1	1	40
2005134	T5HZ02 25/18 120/60 C2M WHITE/1	1	40
2005135	T5HZ02 35/18 120/60 C2M WHITE/1	1	40
2005136	T5HZ02 30/12 120/60 C2M WHITE/1	1	40
2005137	T5HZ02 50/12 120/60 C2M WHITE/1	1	40
T5 AUTOSHORT Hz MOTORS - 230V / 50Hz - 3 meters cable			
2006744	T5 AUTO SHORT HZ 06/17 230/50	1	43
2006745	T5 AUTO SHORT HZ 06/17 230/50 C3M/10	10	43
DMI5 Hz.01 MOTORS - 230V / 50Hz - 2.5 meters cable			
2004667	DMI5 HZ01 10/17-230/50 2,5 WHITE/1	1	44
2004668	DMI5 HZ01 25/17-230/50 2,5 WHITE/1	1	44
2004669	DMI5 HZ01 35/17-230/50 2,5 WHITE/1	1	44
2004670	DMI5 HZ01 50/12-230/50 2,5 WHITE/1	1	44
DMI5 Hz.01 MOTORS - 120V / 60Hz - 6 meters cable			
2004671	DMI5 HZ01 15/18-120/60 6M WHITE/1	1	44
2004672	DMI5 HZ01 25/18-120/60 6M WHITE/1	1	44
2004673	DMI5 HZ01 30/12-120/60 6M WHITE/1	1	44
2004674	DMI5 HZ01 35/18-120/60 6M WHITE/1	1	44
2004675	DMI5 HZ01 50/12-120/60 6M WHITE/1	1	44
T6 Hz.02 MOTORS - 230V / 50Hz - 2.5 meters cable			
2006372	T6HZ02 60/12 230/50 C2.5M WHITE/1	1	46
2006373	T6HZ02 80/12 230/50 C2.5M WHITE/1	1	46
2006374	T6HZ02 100/12 230/50 C2.5M WHITE/1	1	46
2006375	T6HZ02 120/12 230/50 C2.5M WHITE/1	1	46
T6 Hz.02 MOTORS - 120V / 60Hz - 2.5 meters cable			
2006060	T6HZ02 60/14 120/60 C2,5M WHITE/1	1	46
2006061	T6HZ02 80/14 120/60 C2,5M WHITE/1	1	46
2006062	T6HZ02 100/14 120/60 C2,5M WHITE/1	1	46

REFERENCE	DESCRIPTION	PACKAGED BY	PAGE
DMI6 Hz.01 MOTORS - 230V / 50Hz - 2.5 meters cable			
2006376	DMI6 HZ01 60/12 230/50 C2.5M W/1	1	48
2006377	DMI6 HZ01 80/12 230/50 C2.5M W/1	1	48
2006378	DMI6 HZ01 100/12 230/50 C2.5M W/1	1	48
2006379	DMI6 HZ01 120/12 230/50 C2.5M W/1	1	48
DMI6 Hz.01 MOTORS - 120V / 60Hz - 6 meters cable			
2007145	DMI6 HZ01 60/14 120/60 C6M PLU	1	48
2007146	DMI6 HZ01 80/14 120/60 C6M PLU	1	48
2007156	DMI6 HZ01 100/14 120/60 C6M PLU	1	48
T3.5 MOTORS - 12 VDC - 2.5 meters cable			
2006973	T3.5 03/23 12V C2,5M WHITE/1	1	50
2006975	T3.5 06/18 12V C2,5M WHITE/1	1	50
2006977	T3.5 10/12 12V C2,5M WHITE/1	1	50
2006979	T3.5 03/23 12V C2,5M WHITE/10	10	50
2006981	T3.5 06/18 12V C2,5M WHITE/10	10	50
2006983	T3.5 10/12 12V C2,5M WHITE/10	10	50
T3.5 MOTORS - 24 VDC - 2.5 meters cable			
2006974	T3.5 03/23 24V C2,5M WHITE/1	1	50
2006976	T3.5 06/18 24V C2,5M WHITE/1	1	50
2006978	T3.5 10/12 24V C2,5M WHITE/1	1	50
2006980	T3.5 03/23 24V C2,5M WHITE/10	10	50
2006982	T3.5 06/18 24V C2,5M WHITE/10	10	50
2006984	T3.5 10/12 24V C2,5M WHITE/10	10	50
T3.5 AUTO+ MOTORS - 230V / 50Hz - 2.5 meters cable			
2009383	T3.5 AUTO+ 04/16 C2.5M WHITE/1	1	53
2009384	T3.5 AUTO+ 09/16 C2.5M WHITE/1	1	53
2009385	T3.5 AUTO+ 13/10 C2.5M WHITE/1	1	53
2009380	T3.5 AUTO+ 04/16 C2.5M WHITE/10	10	53
2009381	T3.5 AUTO+ 09/16 C2.5M WHITE/10	10	53
2009382	T3.5 AUTO+ 13/10 C2.5M WHITE/10	10	53
T3.5 MOTORS - 230V / 50Hz - 2.5 meters cable			
Other lengths of cables available, consult us.			
2008671	T3.5 3/30 230/50 C2.5M WHITE/1	1	54
2008672	T3.5 4/16 230/50 C2.5M WHITE/1	1	54
2008673	T3.5 6/16 230/50 C2.5M WHITE/1	1	54
2008674	T3.5 9/16 230/50 C2.5M WHITE/1	1	54
2008675	T3.5 13/10 230/50 C2.5M WHITE/1	1	54
2008689	T3.5 3/30 230/50 C2.5M WHITE/10	10	54
2008690	T3.5 4/16 230/50 C2.5M WHITE/10	10	54
2008691	T3.5 6/16 230/50 C2.5M WHITE/10	10	54
2008692	T3.5 9/16 230/50 C2.5M WHITE/10	10	54
2008693	T3.5 13/10 230/50 C2.5M WHITE/10	10	54
T3.5 MOTORS - 230V / 50Hz - with OCT40 adapter set mounted on motor and 2.5 meter cable			
2008685	T3.5 04/16 230/50 C2.5M WHITE	1	54
2008686	T3.5 06/16 230/50 C2.5M WHITE	1	54
2008687	T3.5 09/16 230/50 C2.5M WHITE	1	54
2008688	T3.5 13/10 230/50 C2.5M WHITE	1	54
T3.5 MOTORS - 120V / 60Hz - 2.5 meters cable			
2008682	T3.5 04/36 120/60 C2.5M WHITE/1	1	54
2008684	T3.5 09/18 120/60 C2.5M WHITE/1	1	54
T5 MOTORS - 12 VDC - 2.5 meters cable			
2004492	515/17-12V CC X1 C2,5 WHITE/ CEM	1	56
2004493	520/12-12V CC X1 C2,5 WHITE/ CEM	1	56
2004494	535/7-12V CC X1 C2,5 WHITE/ CEM	1	56
2008905	T5 15/17 12V CC C2.5 WHITE/ CEM/10	10	56
2008906	T5 20/12 12V CC C2.5 WHITE/ CEM/10	10	56
2008907	T5 35/07 12V CC C2.5 WHITE/ CEM/10	10	56
T5 MOTORS - 24 VDC - 2.5 meters cable			
2004495	515/17-24V CC X1 C2,5 WHITE CEM	1	56
2004496	520/12-24V CC X1 C2,5 WHITE CEM	1	56
2004497	535/07-24V CC X1 C2,5 WHITE CEM	1	56

NEW

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T5 E MOTORS - 230V / 50Hz			
2.5 meters white cable			
2005780	T5 E 08/17 230/50 2,5M WHITE/1	1	59
2005781	T5 E 10/17 230/50 2,5M WHITE/1	1	59
2005782	T5 E 15/17 230/50 2,5M WHITE/1	1	59
2005783	T5 E 20/17 230/50 2,5M WHITE/1	1	59
2005784	T5 E 25/17 230/50 2,5M WHITE/1	1	59
2005785	T5 E 35/17 230/50 2,5M WHITE/1	1	59
2005786	T5 E 50/12 230/50 2,5M WHITE/1	1	59
2005787	T5 E 08/17 230/50 2,5M WHITE/10	10	59
2005788	T5 E 10/17 230/50 2,5M WHITE/10	10	59
2005789	T5 E 15/17 230/50 2,5M WHITE/10	10	59
2005790	T5 E 20/17 230/50 2,5M WHITE/10	10	59
2005791	T5 E 25/17 230/50 2,5M WHITE/10	10	59
2005792	T5 E 35/17 230/50 2,5M WHITE/10	10	59
2005793	T5 E 50/12 230/50 2,5M WHITE/10	10	59
5 meters white cable			
2005798	T5 E 08/17 230/50 5M WHITE/1	1	59
2005799	T5 E 10/17 230/50 5M WHITE/1	1	59
2005800	T5 E 15/17 230/50 5M WHITE/1	1	59
2005801	T5 E 20/17 230/50 5M WHITE/1	1	59
2005802	T5 E 25/17 230/50 5M WHITE/1	1	59
2005803	T5 E 35/17 230/50 5M WHITE/1	1	59
2005804	T5 E 50/12 230/50 5M WHITE/1	1	59
2005805	T5 E 08/17 230/50 5M WHITE/10	10	59
2005806	T5 E 10/17 230/50 5M WHITE/10	10	59
2005807	T5 E 15/17 230/50 5M WHITE/10	10	59
2005808	T5 E 20/17 230/50 5M WHITE/10	10	59
2005809	T5 E 25/17 230/50 5M WHITE/10	10	59
2005810	T5 E 35/17 230/50 5M WHITE/10	10	59
2005811	T5 E 50/12 230/50 5M WHITE/10	10	59
2.5 meters white cable - Motors without pin			
2005794	T5E WP 08/17 230/50 C2,5M WHITE/1	1	59
2005795	T5E WP 10/17 230/50 C2,5M WHITE/1	1	59
2005796	T5E WP 15/17 230/50 C2,5M WHITE/1	1	59
2005797	T5E WP 20/17 230/50 C2,5M WHITE/1	1	59
T5 AUTO+SHORT MOTORS - 230V / 50Hz - 3 meters cable			
2006742	T5AUTO+SHORT 06/17 C3M/1 230/50 WHITE/1	1	61
2006743	T5AUTO+SHORT 06/17 C3M/10 230/50 WHITE/10	10	61
T5 AUTO MOTORS - 230V / 50Hz			
2.5 meters white cable			
2006701	T5 AUTO 10/17 230/50 C2,5M WHITE/1	1	62
2006702	T5 AUTO 15/17 230/50 C2,5M WHITE/1	1	62
2006703	T5 AUTO 20/17 230/50 C2,5M WHITE/1	1	62
2006704	T5 AUTO 25/17 230/50 C2,5M WHITE/1	1	62
2006705	T5 AUTO 35/17 230/50 C2,5M WHITE/1	1	62
2007053	T5AUTO 06/17 230/50 C2,5M WHITE/10	10	62
2007054	T5AUTO 10/17 230/50 C2,5M WHITE/10	10	62
2007055	T5AUTO 15/17 230/50 C2,5M WHITE/10	10	62
2006709	T5 AUTO 20/17 230/50 C2,5M WHITE/10	10	62
2006710	T5 AUTO 25/17 230/50 C2,5M WHITE/10	10	62
2006711	T5 AUTO 35/17 230/50 C2,5M WHITE/10	10	62
2007056	T5AUTO 06/17 230/50 C2.5M WHITE/100	100	62
2007057	T5AUTO 10/17 230/50 C2.5M WHITE/100	100	62
2007058	T5AUTO 15/17 230/50 C2.5M WHITE/100	100	62
5 meters white cable			
2006728	T5 AUTO 06/17 230/50 C5M WHITE/1	1	62
2006729	T5 AUTO 10/17 230/50 C5M WHITE/1	1	62
2006730	T5 AUTO 15/17 230/50 C5M WHITE/1	1	62
2006731	T5 AUTO 20/17 230/50 C5M WHITE/1	1	62
2006732	T5 AUTO 25/17 230/50 C5M WHITE/1	1	62
2006733	T5 AUTO 35/17 230/50 C5M WHITE/1	1	62
2006734	T5 AUTO 06/17 230/50 C5M WHITE/10	10	62
2006735	T5 AUTO 10/17 230/50 C5M WHITE/10	10	62
2006736	T5 AUTO 15/17 230/50 C5M WHITE/10	10	62
2006737	T5 AUTO 20/17 230/50 C5M WHITE/10	10	62

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2.5 meters white cable - Motors without pin			
2006716	T5 AUTO WP 06/17 230/50 C2,5M WHITE/1	1	62
2006717	T5 AUTO WP 10/17 230/50 C2,5M WHITE/1	1	62
2006718	T5 AUTO WP 15/17 230/50 C2,5M WHITE/1	1	62
2006719	T5 AUTO WP 20/17 230/50 C2,5M WHITE/1	1	62
2006720	T5 AUTO WP 25/17 230/50 C2,5M WHITE/1	1	62
2006721	T5 AUTO WP 35/17 230/50 C2,5M WHITE/1	1	62
2007059	T5AUTO WP 06/17 230/50 C2.5M WHITE/10	10	62
2007060	T5AUTO WP 10/17 230/50 C2.5M WHITE/10	10	62
2007061	T5AUTO WP 15/17 230/50 C2.5M WHITE/10	10	62
2006725	T5 AUTO WP 20/17 230/50 C2,5M WHITE/10	10	62
2006726	T5 AUTO WP 25/17 230/50 C2,5M WHITE/10	10	62
2006727	T5 AUTO WP 35/17 230/50 C2,5M WHITE/10	10	62
T5 MOTORS - 230V / 50Hz			
2.5 meters white cable			
2000242	T5 08/17 230/50 C2,5M WHITE/1	1	64
2000268	T5 10/17 230/50 C2,5M WHITE/1	1	64
2000295	T5 15/17 230/50 C2,5M WHITE/1	1	64
2000322	T5 20/17 230/50 C2,5M WHITE/1	1	64
2000348	T5 25/17 230/50 C2,5M WHITE/1	1	64
2000371	T5 30/17 230/50 C2,5M WHITE/1	1	64
2000392	T5 35/17 230/50 C2,5M WHITE/1	1	64
2000412	T5 40/12 230/50 C2,5M WHITE/1	1	64
2000432	T5 50/12 230/50 C2,5M WHITE/1	1	64
2000237	T5 08/17 230/50 C2,5M WHITE/10	10	64
2000263	T5 10/17 230/50 C2,5M WHITE/10	10	64
2000290	T5 15/17 230/50 C2,5M WHITE/10	10	64
2000317	T5 20/17 230/50 C2,5M WHITE/10	10	64
2000343	T5 25/17 230/50 C2,5M WHITE/10	10	64
2000366	T5 30/17 230/50 C2,5M WHITE/10	10	64
2000387	T5 35/17 230/50 C2,5M WHITE/10	10	64
2000407	T5 40/12 230/50 C2,5M WHITE/10	10	64
2000428	T5 50/12 230/50 C2,5M WHITE/10	10	64
2005889	T5 08/17 230/50 C2,5M WHITE/100	100	64
2005890	T5 10/17 230/50 C2,5M WHITE/100	100	64
2005891	T5 15/17 230/50 C2,5M WHITE/100	100	64
9 meters white cable			
2007984	T5 08/17 230/50 C9M WHITE/1	1	64
2008011	T5 10/17 230/50 C9M WHITE/1	1	64
2007993	T5 15/17 230/50 C9M WHITE/1	1	64
2008012	T5 20/17 230/50 C9M WHITE/1	1	64
2.5 meters white cable - Motors without pin			
2001368	T5 WP 08/17 230/50 C2,5M WHITE/10	10	64
2001369	T5 WP 10/17 230/50 C2,5M WHITE/10	10	64
2001370	T5 WP 15/17 230/50 C2,5M WHITE/10	10	64
T5 MOTORS - 230V / 50Hz - with adjustable screwdriver and 2.5 meter cable			
2005927	T5 08/17 230/50 C2,5M WHITE FLEX SCR.TOOL/10	10	64
2005929	T5 10/17 230/50 C2,5M WHITE FLEX SCR.TOOL/10	10	64
2005931	T5 15/17 230/50 C2,5M WHITE FLEX SCR.TOOL/10	10	64
2005933	T5 20/17 230/50 C2,5M WHITE FLEX SCR.TOOL/10	10	64
2005935	T5 25/17 230/50 C2,5M WHITE FLEX SCR.TOOL/10	10	64
2005937	T5 30/17 230/50 C2,5M WHITE FLEX SCR.TOOL/10	10	64
2005938	T5 35/17 230/50 C2,5M WHITE FLEX SCR.TOOL/10	10	64
2005939	T5 40/12 230/50 C2,5M WHITE FLEX SCR.TOOL/10	10	64
2005940	T5 50/12 230/50 C2,5M WHITE FLEX SCR.TOOL/10	10	64

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T5 MOTORS - 230V / 50Hz - with OCT60 adapter set mounted on motor and 2.5 meter cable			
2000245	T5 08/17 230/50 C2,5M WHITE OCT60/1	1	64
2000271	T5 10/17 230/50 C2,5M WHITE OCT60/1	1	64
2000298	T5 15/17 230/50 C2,5M WHITE OCT60/1	1	64
2000325	T5 20/17 230/50 C2,5M WHITE OCT60/1	1	64
2000351	T5 25/17 230/50 C2,5M WHITE OCT60/1	1	64
2000374	T5 30/17 230/50 C2,5M WHITE OCT60/1	1	64
2000395	T5 35/17 230/50 C2,5M WHITE OCT60/1	1	64
2000415	T5 40/12 230/50 C2,5M WHITE OCT60/1	1	64
2000435	T5 50/12 230/50 C2,5M WHITE OCT60/1	1	64
2000239	T5 08/17 230/50 C2,5M WHITE OCT60/10	10	64
2000265	T5 10/17 230/50 C2,5M WHITE OCT60/10	10	64
2000292	T5 15/17 230/50 C2,5M WHITE OCT60/10	10	64
2000319	T5 20/17 230/50 C2,5M WHITE OCT60/10	10	64
2000345	T5 25/17 230/50 C2,5M WHITE OCT60/10	10	64
2000368	T5 30/17 230/50 C2,5M WHITE OCT60/10	10	64
2000386	T5 35/17 230/50 C2,5M WHITE OCT60/10	10	64
2000409	T5 40/12 230/50 C2,5M WHITE OCT60/10	10	64
2000429	T5 50/12 230/50 C2,5M WHITE OCT60/10	10	64
T5 MOTORS - 120V / 60Hz - 2.5 meter cable			
2000646	T5 15/18 120/60 C2,5M WHITE/1	1	64
2000647	T5 25/18 120/60 C2,5M WHITE/1	1	64
2000648	T5 35/18 120/60 C2,5M WHITE/1	1	64
2000649	T5 10/12 120/60 C2,5M WHITE/1	1	64
2000650	T5 20/12 120/60 C2,5M WHITE/1	1	64
2000651	T5 30/12 120/60 C2,5M WHITE/1	1	64
2000652	T5 40/12 120/60 C2,5M WHITE/1	1	64
2000653	T5 50/12 120/60 C2,5M WHITE/1	1	64
T5 MOTORS - 220V / 60Hz - 2.5 meter cable			
2006158	T5 14/20 220/60 C2,5M WHITE SASO/1	1	64
2006160	T5 28/14 220/60 C2,5M WHITE SASO/1	1	64
2006161	T5 38/14 220/60 C2,5M WHITE SASO/1	1	64
DMI 5 MOTORS - 230V / 50Hz			
2.5 meters white cable			
2000711	DMI5 08/17-230/50 C2,5M WHITE/1	1	66
2000717	DMI5 10/17-230/50 C2,5M WHITE/1	1	66
2000723	DMI5 15/17-230/50 C2,5M WHITE/1	1	66
2000730	DMI5 20/17-230/50 C2,5M WHITE/1	1	66
2000737	DMI5 25/17-230/50 C2,5M WHITE/1	1	66
2000743	DMI5 30/17-230/50 C2,5M WHITE/1	1	66
2000750	DMI5 35/17-230/50 C2,5M WHITE/1	1	66
2000756	DMI5 40/12-230/50 C2,5M WHITE/1	1	66
2000763	DMI5 50/12-230/50 C2,5M WHITE/1	1	66
2008560	DMI5 08/17-230/50 C2,5M WHITE/4	4	66
2008561	DMI5 10/17-230/50 C2,5M WHITE/4	4	66
2008562	DMI5 15/17-230/50 C2,5M WHITE/4	4	66
2008563	DMI5 20/17-230/50 C2,5M WHITE/4	4	66
2008564	DMI5 25/17-230/50 C2,5M WHITE/4	4	66
2008565	DMI5 30/17-230/50 C2,5M WHITE/4	4	66
2008566	DMI5 35/17-230/50 C2,5M WHITE/4	4	66
2008567	DMI5 40/12-230/50 C2,5M WHITE/4	4	66
2008568	DMI5 50/12-230/50 C2,5M WHITE/4	4	66
DMI 5 MOTORS - 120V / 60Hz - 2.5 meter cable			
2000769	DMI5 15/18-120/60 C2,5M WHITE/1	1	66
2000770	DMI5 25/18-120/60 C2,5M WHITE/1	1	66
2000771	DMI5 35/18-120/60 C2,5M WHITE/1	1	66
2000772	DMI5 10/12-120/60 C2,5M WHITE/1	1	66
2000773	DMI5 20/12-120/60 C2,5M WHITE/1	1	66
2000774	DMI5 30/12-120/60 C2,5M WHITE/1	1	66
2000775	DMI5 40/12-120/60 C2,5M WHITE/1	1	66
2000776	DMI5 50/12-120/60 C2,5M WHITE/1	1	66
DMI 5 MOTORS - 220V / 60Hz - 2.5 meter cable			
2006162	DMI5 18/20 220/60 C2,5M WHITE SASO/1	1	66
2006163	DMI5 28/14 220/60 C2,5M WHITE SASO/1	1	66
2006164	DMI5 38/14 220/60 C2,5M WHITE SASO/1	1	66

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T6 MOTORS - 230V / 50Hz			
2.5 meters white cable			
2000892	T6 40/17 230/50 C2,5M WHITE/1	1	68
2000898	T6 55/17 230/50 C2,5M WHITE/1	1	68
2000916	T6 60/12 230/50 C2,5M WHITE/1	1	68
2000904	T6 70/17 230/50 C2,5M WHITE/1	1	68
2000922	T6 80/12 230/50 C2,5M WHITE/1	1	68
2000910	T6 85/17 230/50 C2,5M WHITE/1	1	68
2000928	T6 100/12 230/50 C2,5M WHITE/1	1	68
2000934	T6 120/12 230/50 C2,5M WHITE/1	1	68
0.7 meters black cable			
2000946	T6 55/17 230/50 C0,7M BLACK /1	1	68
2000952	T6 70/17 230/50 C0,7M BLACK /1	1	68
2000970	T6 80/12 230/50 C0,7M BLACK /1	1	68
2000976	T6 100/12 230/50 C0,7M BLACK /1	1	68
2000982	T6 120/12 230/50 C0,7M BLACK /1	1	68
T6 MOTORS - 120V / 60Hz - 2.5 meter cable			
2000985	T6 60/14 120/60 C2,5M WHITE/1	1	68
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2000997	DMI6 70/17 230/50 C2,5M WHITE/1	1	70
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2008145	RIGID LINK 3 LINKS TUBE ZF 54-64/15	15	181
2008146	RIGID LINK 3 LINKS TUBE ZF 54-64/200	200	181
2008179	JOINT DIAM 10 / 12 GREY	1	160
2008180	KIT JOINT GREY SQUARE 6 / DIAM 12	1	161
2008181	KIT JOINT GREY HEXA 7 / DIAM 12	1	161
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2008335	WALL MOUNTED HZ TRANSMITTER 5C WHITE	1	118
2008369	WALL MOUNTED HZ TRANSMITTER 1C WHITE	1	106
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2008401	WALL MOUNTED HZ SEQUENTIAL TRANSMITTER	1	110
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2008519	MICRO-TRANSMITTER HZ ROLLER SHUTTER	1	112

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2008551	BUCKLE COUPLING 12 MM NICKEL CHROMED	1	161
2008732	WALL MOUNTED HZ TRANSMITTER MEMORY HZ WHITE	1	108
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2008884	RECEIV. AND TRANSM. 1C KIT HZ-WIRED/10	10	130
2008885	RECEIV. AND TRANSM. 1C KIT HZ-T5AUTO/10	10	130
2008886	WALLCLIP TSA 3B VEO x10	10	114
2008973	PLUG HZ ON/OFF 3600W	1	127
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2009072	REMOTE TRANSMITTER BHz 1 CHANNEL	1	104
2009078	WALL TRANSMITTER BHz 1 CHANNEL/1	1	104
2009079	WALL TRANSMITTER BHz 1 CHANNEL/100	100	104
2009201	LIVEIN2 BOX	1	98
2009202	REMOTE TRANSMITTER BHz 5 CHANNELS	1	104
2009225	WALL TRANSMITTER BHz SCENARIO LIVEIN2	1	102
2009287	WIFI KEY LIVEIN2	1	98
2009338	OUTDOOR BHZ SUN SENSOR	1	103
2009373	PLUG BHZ ON/OFF TYPE E	1	105
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2210076	SURFACE MOUNTED BOX SIMPLE DESIGN FIORENA ULTRAW.	1	134 - 136
4005684	T5 BRACKET ACCESSORIES (RINGS+FIXING CLIPS+SCREWS)	1	82 - 85
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5010255	PLAST. SCREW T45 FZ5x16 (x200)	200	84
605409A	SERRE PASSE CABLE RENO BL X50	50	193
9000848	HANDLE H7 EYE DMI L325	1	90
9000985	ADAPTOR SET T6 ROUND TUBE 101.6X1.6 STOP WHEEL/1	1	74
9000986	ADAPTOR SET T6 ROUND TUBE 101.6X3.6 STOP WHEEL/1	1	74
9000987	SETTING 20 SCREWDRIVER T5 MDD BAG	1	85
9001108	BRACKET BUTTERFLY T3,5 & T5 SIDE FRAME 125-205/1	10	76 - 80
9001165	LT50 CROWN FOR ZF54 TUBE	1	72
9001481	ADAPTOR SET T3,5 OCT40 GAVIOTA SIMBAC/1	1	72
9001496	ADAPTOR SET T3,5 OCT40 DEPRAT/1	1	72
9001498	ADAPTOR SET T3,5 ZF 45/1	1	72
9001527	BRACKET T3,5 SQUARE 10/1	1	75
9001529	ADAPTOR SET INTERFACE MOTOR T3,5 TO T5/1	1	72
9001735	DEPORTED BRACKET ZF T5 & T6 SQUARE 10 TUNNEL/1	1	80 - 83
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9011313	VAR ADJUSTABLE LINK 3 PARTS TO SCREW OCT 60/20	20	178
9011314	VAR ADJUSTABLE LINK 4 PARTS TO SCREW OCTO 50-60/20	20	178
9011606	BRACKET T5 FOR ZF COFFRELITE BOX TUNNEL/1	1	82
9011670	CONNECTION KIT HZ02 X10	10	130
9011781	SETTING 20 SCREWDRIVER T5 BAG ASA	1	85
9011792	NT5 KIT CROWN FOR TUBE ZF80	1	73
9011860	FIXING KIT FOR ZF BRACKET/200	1	79
9012467	BRACKET T5 OBLONG 2 HOLES 6,5MM CENTER DIST. 44/1	1	79
9012978	BRACKET T3,5 & T5 UNIVERSAL/20	20	75 - 79
9013073	CLIP FOR ZF BRACKET/200	1	79
9013091	LT50 DEPRAT 53 ADAPTOR SET	1	72
9013217	BRACKET T5 VEKA 100X100MM/1	1	80
9013761	BRACKET T3,5 & T5 UNIVERSAL /1	1	75 - 79
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9013923	BRACKET T5 SQUARE 10 DOUBLE DRILLING/1	20	76
9014025	VAR ADJUST. LINK 2 PARTS TO SCREW OCT 40-50-60/100	100	178
9014026	VAR ADJUST. LINK 3 PARTS TO SCREW OCT 40 /100	100	178
9014027	VAR ADJUST. LINK 3 PARTS TO SCREW OCT 60 /100	100	178
9014028	VAR ADJUST. LINK 4 PARTS TO SCREW OCT 50-60 /100	100	178
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9014880	KIT PLATE APEM MOSAÏC	1	141 - 147
9014881	KIT APEM MOSAÏC SURFACE MOUNTING	1	141 - 147
9015196	SURFACE MOUNTING BOX EFAPEL X10	10	139
9015860	BRACKET BUTTERFLY T3,5 & T5 SIDE FRAME 125-205/100	100	76 - 80
9016065	BRACKET T3.5 & T5 ZF ALURENO/1	1	80
9016067	BRACKET T3.5 & T5 ZF ALURENO/10	10	80
9016077	CLAMPING BRACKET T5 SQUARE 16 SQUARE 10/1	1	77
9016084	CLAMPING BRACKET T5 SQUARE 16 SQUARE 10/1	1	72
9016085	CLAMPING BRACKET T5 SQUARE 16 SQUARE 10/1	1	72
9016332	SHORT EYE OUTLET FOR SUNEА	1	90

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9016635	ADAPTOR SET T3,5 OCT40 OFF CENTER GAVIOTA SIMBAC/1	1	72
9016981	BRACKET INTERFACE MOTOR DIAM T3,5 & T5/1	1	75
9017188	BRACKET FOR C16	1	77 - 171
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9017287	PLATE 60X70 60° UNIV JOINT WHITE	1	161
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9018286	BRACKET T5 FOR PVC SIDE FRAME/1	1	82
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9020167	OCTOEASY 50/60 1M ENTR75/30	30	184
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9020169	OCTOEASY 50/60 2M ENTR75/25	25	184
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9020171	OCTOEASY 40 1M ENTR60/30	30	184
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9020173	OCTOEASY 40 2M ENTR60 A.RED/25	25	184
9020174	OCTOEASY 40 1M ENTR75/30	30	184
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9020179	OCTOEASY 50/60 2M ENTR60/1	1	184
9020180	OCTOEASY 50/60 2M ENTR60 A.RED/1	1	184
9020181	OCTOEASY 50/60 1M ENTR75/1	1	184
9020182	OCTOEASY 50/60 1M ENTR75 A.RED/1	1	184
9020183	OCTOEASY 50/60 2M ENTR75/1	1	184
9020184	OCTOEASY 50/60 2M ENTR75 A.RED/1	1	184
9020185	OCTOEASY 40 1M ENTR60/1	1	184
9020186	OCTOEASY 40 2M ENTR60/1	1	184
9020187	OCTOEASY 40 2M ENTR60 A.RED/1	1	184
9020188	OCTOEASY 40 1M ENTR75/1	1	184
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9020190	OCTOEASY 40 2M ENTR75 A.RED/1	1	184
9025462	INTER REGLAGE UNIVERSEL/1	1	85
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9132145	LS40 CROWN TUBE OCTO 40X0.6	1	72
9137029	LS50 BRACKET	1	75 - 77
9137159	SWITCH PROTECTION PLATE	10	141 - 147
9147327	LS 40 CROWN OCTAGONAL	1	72
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9232000	SQUARE TUBE 16X16X1(CUTTED)	6 mètres	91

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9410302	LT50 WHEEL FOR TUBE D.62 F2000	1	73
9410356	LT50 WHEEL TUBE CENTERED ZF64	1	73
9410357	LT50 CROWN TUBE CENTERED ZF64	1	73
9410423	WHEEL LT50 TUBE ZF54 RANGE 50 50/12	1	72
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9410790	CSI-DMI COUNTERSUNK FIXING PIN	1	84
9420301	LT60 WHEEL TUBE F5039	1	73 - 74
9420302	LT60 WHEEL TUBE ZF80	1	73 - 74
9420304	LT60 WHEEL TUBE 102X2	1	73 - 74
9420309	LT60 WHEEL TUBE 101.6X3.6	1	74
9420341	LT60 CROWN TUBE F5039	1	73 - 74
9420370	CROWN LT60-TUBE 102*2	1	73 - 74
9420371	CROWN FOR LT60 TUB 101 6X3,6 4 INCH	1	74
9420654	BRACKET FOR ROLLER SHUTTER	1	84
9500344	LS40 WHEEL TUBE OCTO 40 X 0,6	1	72
9500444	LS40 WHEEL FOR TUBE ZF45	1	72
9500455	LS40 CROWN FOR TUBE ZF45	1	72
9500815	SQUARE STUD BRACKET	1	76
9510101	BRACKET T3,5 & T5 SQUARE 10 CENTER DISTANCE 60MM/1	1	75 - 77
9520038	BRACKET T5 2 HOLES M4 CENTER DISTANCE 50/1	1	78
9520040	BRACKET T5 2 HOLES M6 CENTER DISTANCE 48/1	1	78
9520048	BRACKET T5 2 HOLES 6,5MM CENTER DISTANCE 40/1	1	78
9520049	BRACKET T5 80X80MM FOR RENOVATION RS/1	1	80
9520054	BRACKET T5 2 HOLES 6,5MM CENTER DISTANCE 35/1	1	78
9520062	BRACKET T5 2 HOLES 6,5MM CENTER DISTANCE 46/1	1	78
9520063	BRACKET T5 2 HOLES M6 CENTER DISTANCE 60/1	1	79
9520064	BRACKET T5 2 HOLES 6,5MM CENTER DISTANCE 44/1	1	78
9520076	BRACKET T5 2 HOLES 6,5MM CENTER DISTANCE 30/1	1	77
9520098	BRACKET T5 FOR EUREKO SIDEFRAME/1	10	80
9520104	BRACKET T5 2 HOLES 6,5MM CENTER DISTANCE 48/1	1	78
9520187	BRACKET T5 PLATE 100X100 IMBAC/1	1	80
9520202	DEPORTED BRACKET ZF T5 & T6 TUNNEL/1	10	82 - 83
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9521015	ADAPTOR SET T5 DEPRAT 89/1	1	73
9521021	ADAPTOR SET T5 OCT70 DOHNER/1	1	73
9521022	ADAPTOR SET T5 OCT70X1.2 GAVIOTA SIMBAC/1	1	73
9521031	ADAPTOR SET T5 OCT60 GAVIOTA SIMBAC/1	1	73
9521032	ADAPTOR SET T5 ZF64/1	1	73
9521033	ADAPTOR SET T5 ZF80/1	1	73
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9521046	CROWN NT5 SIMU OCT70	1	73
9521054	ADAPTOR SET T5 OCT50 GAVIOTA SIMBAC SELVE/1	1	72
9521056	ADAPTOR SET T5 ROUND TUBE 102X2/1	1	73
9521057	ADAPTOR SET T5 ROUND TUBE 102X2 STOP WHEEL/1	1	73
9530017	BRACKET T6 2 HOLES 6,5MM CENTER DISTANCE 46/1	1	82
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9530042	BRACKET T6 2 HOLES M6 CENTER DISTANCE 48/1	1	83
9530043	BRACKET T6 2 HOLES 6,5MM CENTER DISTANCE 44/1	1	82
9530051	BRACKET T6 4 HOLES 6,5MM CENTER DISTANCE 30 & 56/1	1	82
9530104	BRACKET T6 2 HOLES 6,5MM CENTER DISTANCE 48/1	1	83
9530110	ADAPTOR SET T6 DEPRAT 89/1	1	74
9530114	ADAPTOR SET T6 ZF 80/1	1	74
9530117	ADAPTOR SET T6 OCT70X1,2 GAVIOTA SIMBAC/1	1	74
9530124	ADAPTOR SET T6 ROUND TUBE 101.6X3.6/1	1	74
9530131	ADAPTOR SET T6 OCTO 102 ALULUX/1	1	74
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9685142	INVISIBLE BOX OUTLET	1	90
9701240	LS50 BRACKET, 2 HOLES M6	1	75 - 77
9705340	LT60 CROWN FOR TUBE OCTO 70	1	74
9705344	LT50 WHEEL TUBE OCTO 50	1	72
9705345	LT50 CROWN FOR TUBE SELVE OCTO 50	1	72

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9706004	RIGHT LT50 ABS WHEEL HIGH TRQE	1	73
9706034	CSI BRACKET 100 X 100	1	84
9707025	LT50 CROWN TUBE OCTO 60	1	73
9707026	LT50 CROWN TUBE D 63 X 1.5	1	73
9751001	LT50 WHEEL FOR TUBE OCTO 60 SELVE,DOHNER,F5860	1	73
9761002	LT50 AND LT60 WHEEL FOR TUBE 70	1	73
9761013	LT60 WHEEL FOR TUBE OCTO 102 X 2,5	1	74
9762013	LT60 CROWN FOR TUBE OCTO 102 X 2,5	1	74
9840219	VAS COLLAR OCT 40/50	50	180
9840225	VAS 3 LINKS SLAT 14MM/25	25	180
9840226	VAS 4 LINKS SLAT 14MM/25	25	180
9840227	VAS COLLAR OCT 60/50	50	180
9840233	VAS 3 LINKS SLAT 9MM/25	25	180
9840234	VAS 4 LINKS SLAT 9MM/25	25	180
9850312	T5 PIN RING (BAG 200)	1	85
9850313	PIN RING TYPE 6 (200 P. BAG)	1	85
9856000	T6 BRACKET ACCESSORIES (RINGS+FIXING CLIPS+SCREWS)	1	83 - 85
9910004	LT50 STOP WHEEL	1	73
9910013	PLATE LO LT50 WITH HOLE	1	77
9910014	PLATE LO LT50 WITH HOLE	1	77
9910062	LT60 STOP WHEEL	1	74



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