

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.

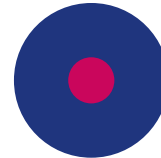
We constantly strive to achieve professionalism, quality and excellence.  
We win and maintain the trust of our partners over the long term  
because we respect our commitments.



## 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](mailto: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 m<sup>2</sup>

# 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



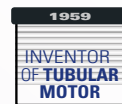
**260**

EMPLOYEES



**50%** The share  
of export T/O

IN 76 COUNTRIES



A BRAND OF SOMFY GROUP

Visit our website: [www.simu.com](http://www.simu.com)



E-catalogue



Manuals



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Recommendations



FAQ

...and our channel:



# IDENTIFICATION & TRACEABILITY

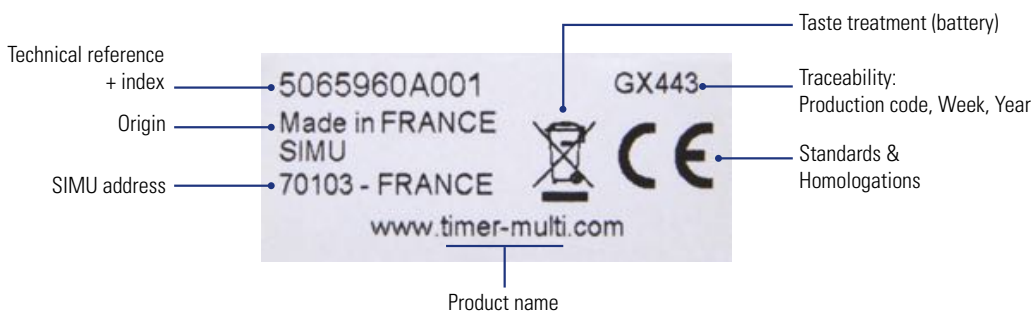
## SIMU PRODUCTS

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.

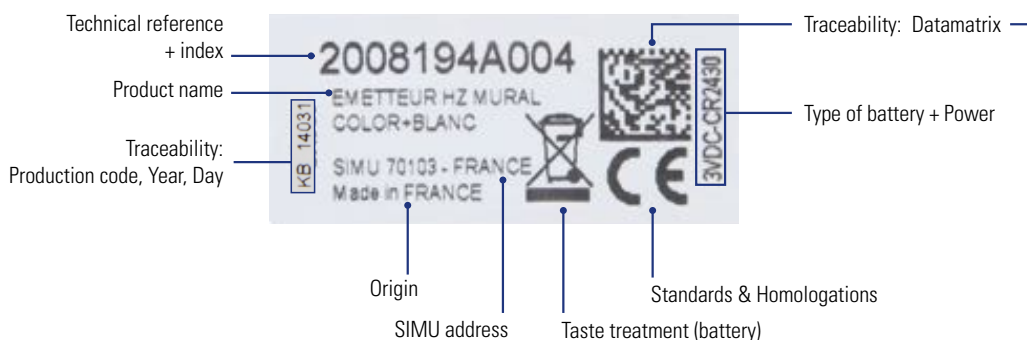
### STICKERS FOR CONTROLS AND AUTOMATIC DEVICES




#### STICKER **WITHOUT** DATAMATRIX



#### STICKER **FOR UNIQUE** REGISTRATION WITH DATAMATRIX



UNIQUE traceability with Datamatrix (16x16mm)



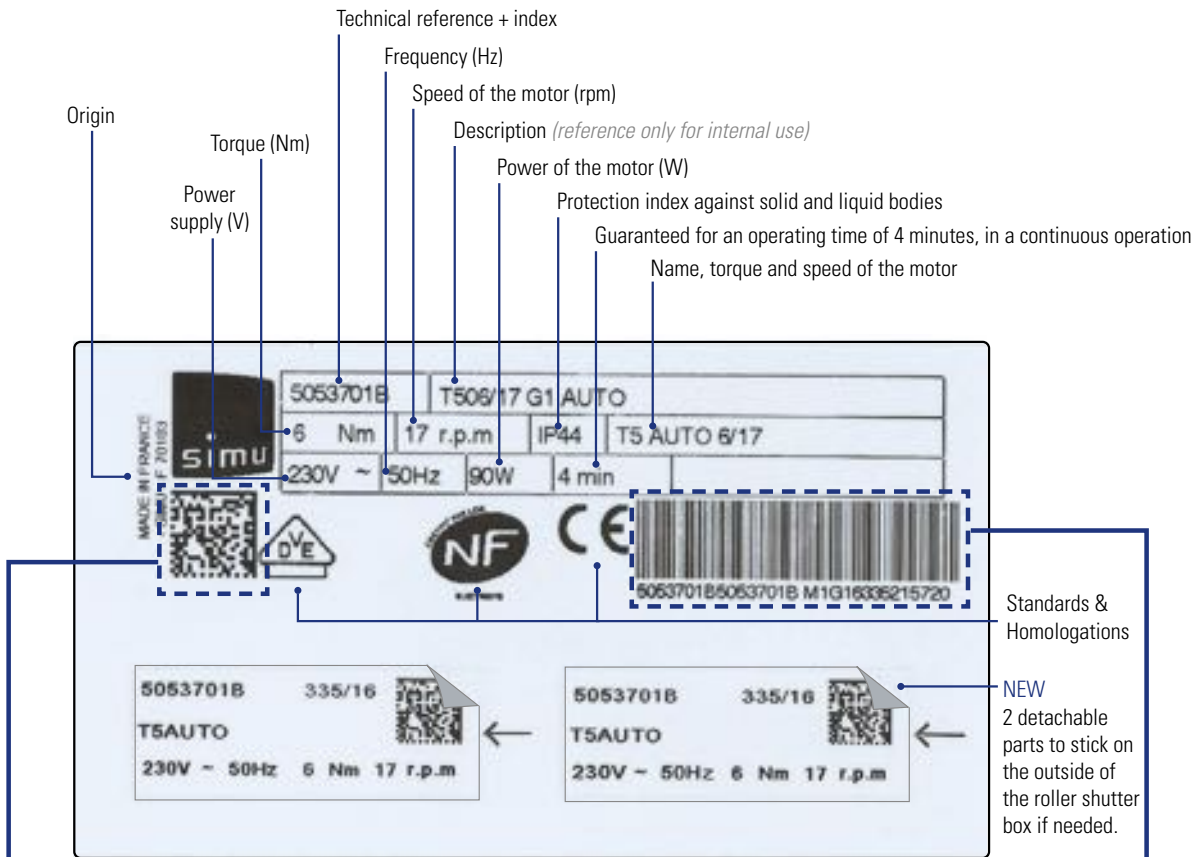
2008194A	GX	13	208	17	28	26
①	②	③	④	⑤	⑥	⑦

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

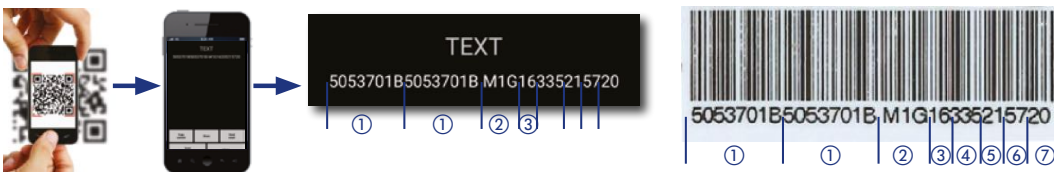
# STICKERS FOR MOTORS



## STICKER FOR UNIQUE REGISTRATION WITH DATAMATRIX & BARCODE



The datamatrix and the barcode provide a code enabling the traceability of the motor:



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

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**<sup>®</sup>  
technology

NEW

  
**SIMU-BHz**<sup>®</sup>  
technology

SELECTION CHARTS p.14

MOTORS p.20

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

ACCESSORIES FOR MANUAL OVERRIDE p.90



# 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.

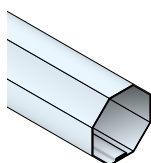
Please ask us about any specific cases.

#### NOTA

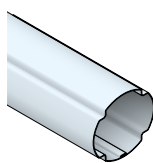
If needed, we can also make personalized selection charts according to your closure specification.

The request form is available on page 19.

### ROLLER SHUTTER WITH OCTA 40 & ZF 45 TUBE



OCTA 40


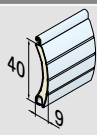
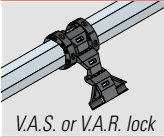
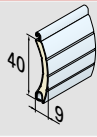
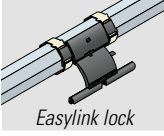
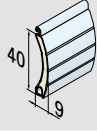


ZF 45

#### ATTENTION

Maximum fabric weight: **30 kg**

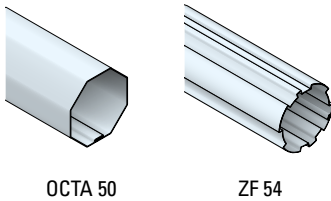
The following charts give the fabric liftable weight (in kg), according to the roller shutter characteristics and the motor torque:

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	-

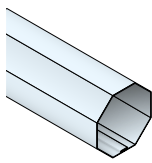
### NOTA

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

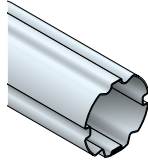
**excepted with T3.5 AUTO+ - T3.5 EBHz - T5 AUTO - T5 EBHz - T5 AUTO+SHORT - T5 AUTOSHORT Hz - and T5 AUTOSHORT BHz motors.**



## 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:

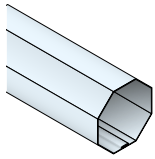
TYPE OF LINK	SIZE OF LATH	SHUTTER HEIGHT	MOTOR TORQUE													
			3 Nm	4 Nm	5 Nm	6 Nm	8 Nm	9 Nm	10 Nm	13 Nm	15 Nm	17 Nm	20 Nm	25 Nm	30 Nm	35 Nm
 Spring fastener	40 9	1,5 m	8 Kg	10 Kg	13 Kg	15 Kg	20 Kg	23 Kg	25 Kg	33 Kg	38 Kg	43 Kg	50 Kg	-	-	-
		2,4 m	7 Kg	10 Kg	12 Kg	14 Kg	19 Kg	22 Kg	24 Kg	31 Kg	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 14	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	-	-
 Rigid fastener	40 9	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 14	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	-	-
 V.A.S. or V.A.R. lock	40 9	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 14	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
 OCTOEASY Easylink lock	40 9	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 14	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

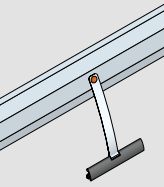
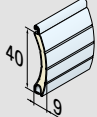
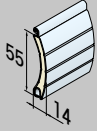
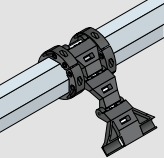
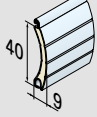
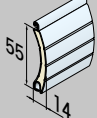


OCTA 70

### 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](mailto:service@simu.com)**

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

**Fill out the following form and return it by email to:  
[service@simu.com](mailto:service@simu.com)**

**PERSONALIZED SELECTION CHARTS - REQUEST FORM**

DATE: ..... CUSTOMER ACCOUNT N°: ..... CONTACT: .....

COMPANY NAME: .....

ADDRESS: .....

POSTCODE : ..... CITY: .....

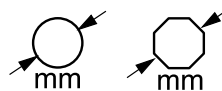
**TYPE OF PRODUCT**

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) \*: .....


**SHUTTER**

WEIGHT OF LATH: ..... WEIGHT OF SHUTTER (kg/m²) \*: .....

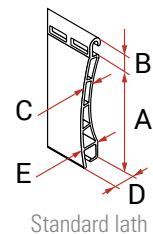
TYPE OF LATH: STANDARD  STRAIGHT LATH  ROUNDED LATH 

LATH DIMENSIONS (mm) : Module (A) in mm\*: .....

Nominal thickness (B) in mm: .....

Thickness mini (C) in mm: .....

Lath thickness (D) in mm\*: .....

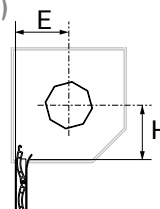


BOTTOM LATH \*: HEIGHT (mm) : ..... WEIGHT (kg/ml) : .....

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	
<b>WIRED</b> 	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		
<b>RADIO</b> 	Hz	PROGRESSIVE DMI Hz.01			X	X	
		RADIO Hz.02		X	X	X	
		AUTOSHORT Hz (short tube)			X		
		E Hz	X		X		
	BHz*	AUTOSHORT BHz (short tube)			X		
		E BHz		X	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		
		<b>AUTOSUN® 2</b> 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 <b>DMI</b>								
	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	<b>Liveln2 box</b> (with information feedback) Liveln2 Scenario transmitter   Liveln2 Outdoor sun sensor	x*			x*	x*			
	<b>Transmitters BHz</b> (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		NEW Hz RADIO		Hz RADIO with Built-in manual override		WIRE					Hz RADIO		Hz RADIO with Built-in manual override		WIRE		WIRE with Built-in manual override	
p.32	p.34	p.38	p.42	p.40	p.44	p.62	p.60	p.58	p.64	p.66	p.46	p.48	p.68	p.70				
T5 E BHz	T5 AUTOSHORT BHz	T5 E Hz	T5 AUTOSHORT Hz	T5 Hz.02	DMI 5 Hz.01	T5 AUTO	T5 AUTO+SHORT	T5 E	T5	DMI 5	T6 Hz.02	DMI 6 Hz.01	T6	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\*\* : 3 motors maximum in parallel per switch



# AUTOSUN 2

## SOLAR SOLUTION

# AUTOSUN<sup>®</sup> 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 EH<sub>z</sub> 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 EH <sub>z</sub> DC 3/23 motor + battery in alu cover 60 cm + solar panel	<b>T3.5EHZ 3/23 12V + KIT SOL EXT</b>	<b>2009398</b>
T3.5 EH <sub>z</sub> DC 6/18 motor + battery in alu cover 60 cm + solar panel	<b>T3.5EHZ 6/18 12V + KIT SOL EXT</b>	<b>2009399</b>
T3.5 EH <sub>z</sub> DC 10/12 motor + battery in alu cover 60 cm + solar panel	<b>T3.5EHZ 10/12 12V + KIT SOL EXT</b>	<b>2009400</b>

## 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 monocrystalin

**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)	<b>KIT SOLAR OUTDOOR 0.3M</b>	9021214
Solar panel with holes (9019032) + battery with cable 60cm (9020635)	<b>KIT SOLAR OUTDOOR 0.6M</b>	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
	<b>MOTOR cable:</b> enable to keep the battery and the solar panel AUTOSUN 1 with one motor AUTOSUN 2	9020481
	<b>BATTERY cable:</b> 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

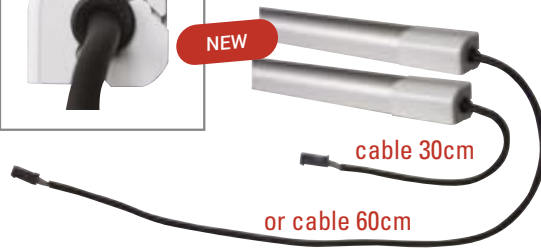
## BATTERIES



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.

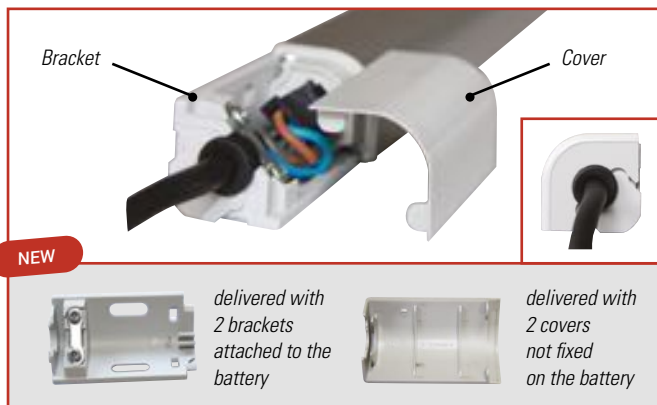
Fixing by pop rivet and by screws.



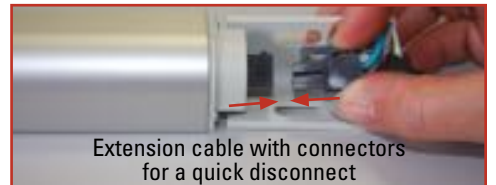
- **1 naked battery, without alu cover** and its cable of 25cm.

Fixing by pop rivet of the specific brackets and elastics

to guarantee the fixing to be ordered separately.



Fixing on the support to hold the cable in place



Extension cable with connectors for a quick disconnect



EU

### BATTERY CHARGER



US

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

### REFERENCES

DESCRIPTION	REFERENCE x 1
Battery charger	9020638

### 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

# AUTOSUN® 2

## BATTERY INSTALLATION OUTSIDE OR INSIDE THE ROLLER SHUTTER BOX

INSTALLATION	ADVANTAGES	RECOMMENDED BATTERIES
<b>BATTERY OUTSIDE THE ROLLER SHUTTER BOX:</b> - Between the guide rail and the wall - Behind the Roller Shutter box	<b>Easy access to the battery</b> 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.
<b>BATTERY INSIDE THE ROLLER SHUTTER BOX</b>	<b>Full integration in factory,</b> 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

<b>BATTERY</b>	Ni-MH
<b>NOMINAL VOLTAGE</b>	12V
<b>CAPACITY</b>	2.2 Ah
<b>PROTECTION INDEX</b>	IP X4
<b>LIFETIME</b>	± 8 years
<b>DIMENSIONS &amp; WEIGHT</b>	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	REFERENCE		
	x 1	x 10	x 20
<b>Naked battery</b>	9020808	-	9020628
<b>Battery stick + cable 30cm</b>	9020634	9021212	-
<b>Battery stick + cable 60cm</b>	9020635	9021213	-

## KIT REFERENCES (BATTERY + PANEL SOLAR)

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

## BATTERY ACCESSORIES

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

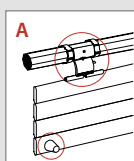
MOTOR SLEEPING AND WAKING UP MODES ARE DIRECTLY DONE FROM THE TRANSMITTER

...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.

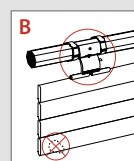
COMPATIBILITY with sequential and functional transmitters.

### 4 POSSIBLE SETTING MODES FROM A FUNCTIONAL TRANSMITTER



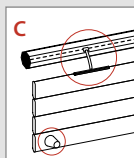
#### AUTOMATIC MODE

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



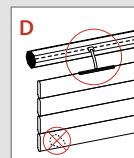
#### SEMI-AUTOMATIC DOWN MODE

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

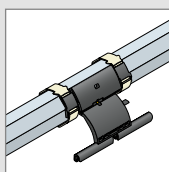
Shutters **without locks** and **with stoppers**  
- automatic setting of the up limit position  
- and manual setting of the down limit position from the radio transmitter



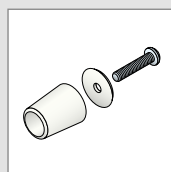
#### MANUAL MODE

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



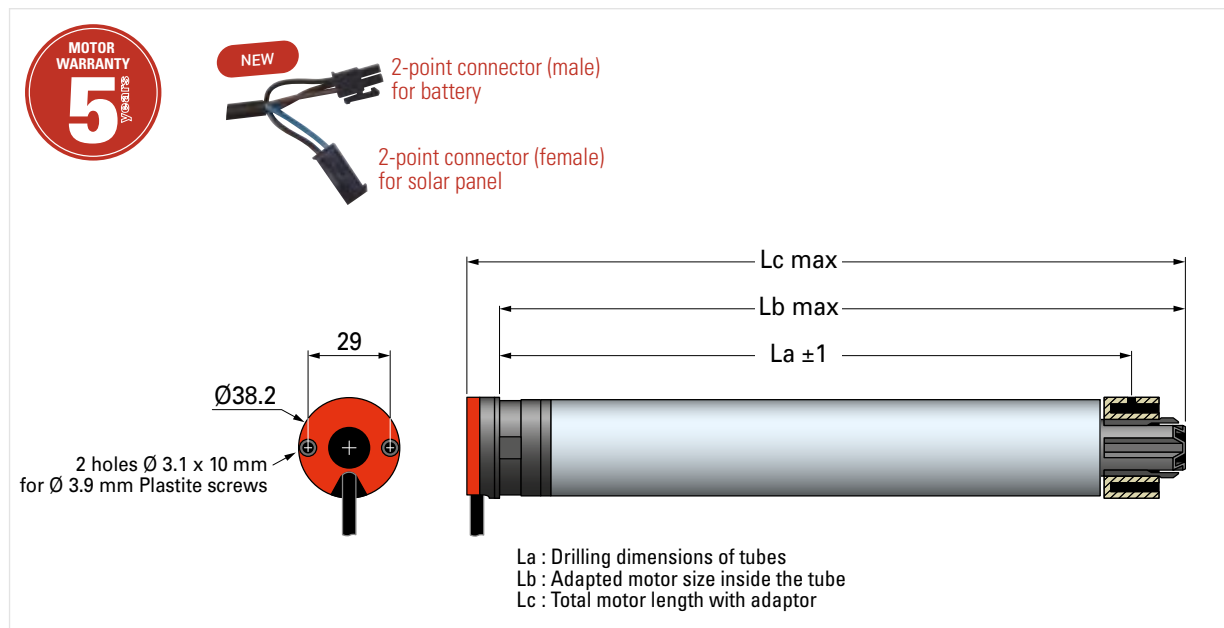
Conical stoppers or stoppers integrated into the guide rails

## RANGE



### POWER SUPPLY 12 VDC, CABLE 0.2 METERS

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

## DIMENSIONS



## SPECIFICATION

<b>POWER SUPPLY</b>	12 Volts (Ni-MH)
<b>STANDBY POWER</b>	4 mW
<b>END-LIMIT</b>	Electronic system with operating limited to 3 min.
<b>END-LIMIT READJUSTMENT</b>	every 60 cycles during 4 cycles
<b>PROTECTION INDEX</b>	IP 44
<b>POWER CABLE</b>	Long. 0.2 meters, 3x0.75 mm <sup>2</sup> wires, black H05 BBF with 2 connectors 2 points
<b>RADIO FREQUENCY</b>	433.42 MHz
<b>SECURE COMMUNICATION</b>	Encrypted control orders + Rolling code with 16 million possible combinations
<b>REMOTE CONTROL RANGE</b>	<b>wall remote control:</b> ~150m in open field and ~15m through 2 reinforced concrete walls <b>mobile transmitter:</b> ~200m in open field and ~20m through 2 reinforced concrete walls The range may vary depending on the environment and on the radio pollution.
<b>MOTOR HEAD THICKNESS</b>	14 mm
<b>4 CYCLES PER DAY</b>	non consecutive
<b>COMPLIANCE</b>	European standards (EN) + IEC standards (international standards)
<b>&amp; STANDARD</b>	 

# 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 LiveIn<sup>2</sup>.  
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.

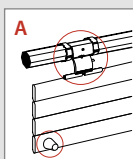
## CLASSE II MOTOR

... no earth connexion required.

## SIMPLE PROGRAMMING

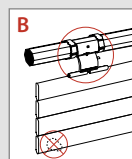
... SIMU-Hz/SIMU-BHz continuity: your installation and programming habits remain the same as those of SIMU-Hz technology.

### 4 POSSIBLE SETTING MODES FROM A FUNCTIONAL TRANSMITTER



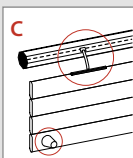
#### AUTOMATIC MODE

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



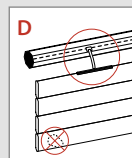
#### SEMI-AUTOMATIC DOWN MODE

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

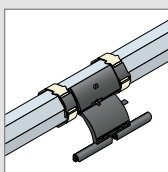
Shutters **without** locks and **with** stoppers  
- automatic setting of the up limit position  
- and manual setting of the down limit position from the radio transmitter



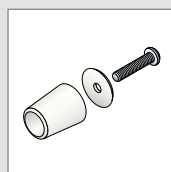
#### MANUAL MODE

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

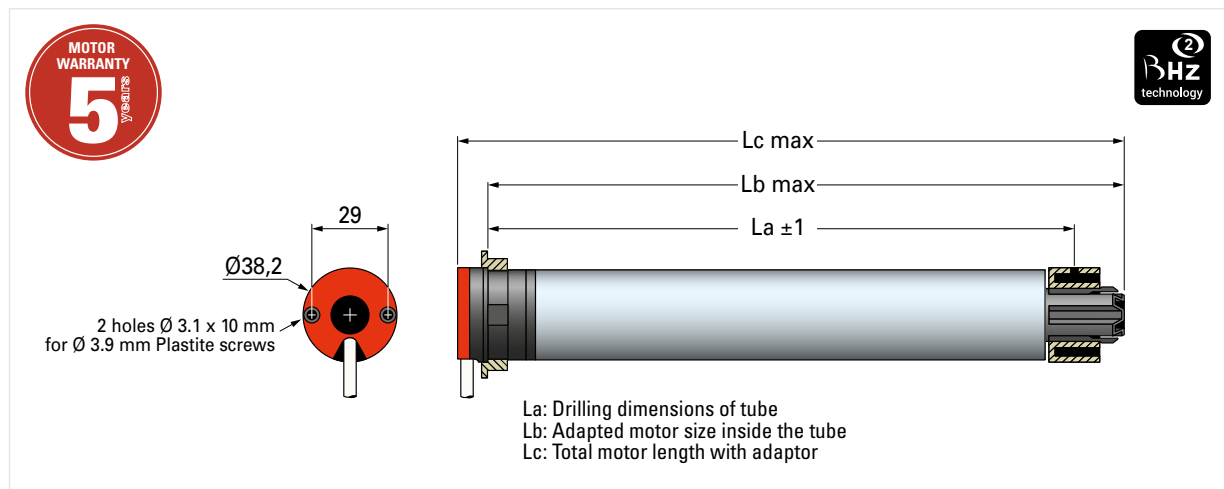


## RANGE

### POWER SUPPLY 230V - 50 Hz, CABLE 3 METERS

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

## 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 mm<sup>2</sup> 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<sup>®</sup>  
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 Livelin<sup>2</sup>  
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.

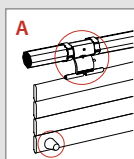
## INTERMEDIATE POSITION FUNCTION

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

## SIMPLE PROGRAMMING

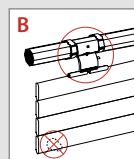
... SIMU-Hz/SIMU-BHz continuity: your installation and programming habits remain the same as those of SIMU-Hz technology.

### 4 POSSIBLE SETTING MODES FROM A FUNCTIONAL TRANSMITTER



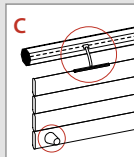
#### AUTOMATIC MODE

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



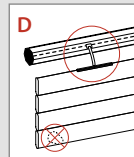
#### SEMI-AUTOMATIC DOWN MODE

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

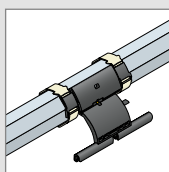
Shutters **without** locks and **with** stoppers  
- automatic setting of the up limit position  
- and manual setting of the down limit position from the radio transmitter



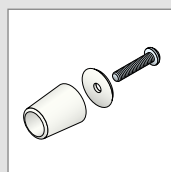
#### MANUAL MODE

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

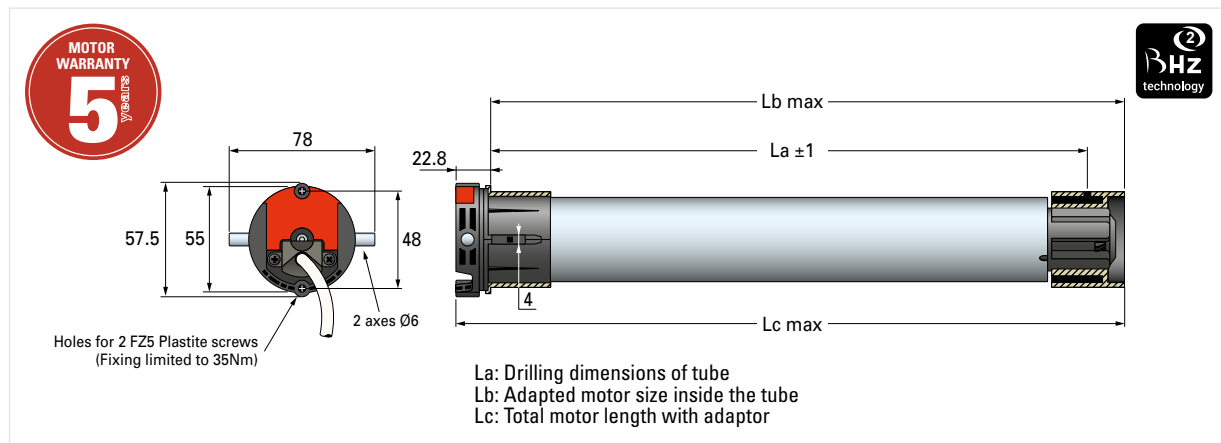


## RANGE

### POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

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

## 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 mm<sup>2</sup> 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)



# T5 AUTOSHORT BHz MOTOR

NEW



simu-BHz<sup>®</sup>  
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.

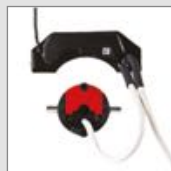
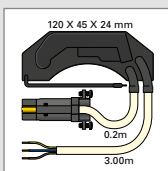
## AUTOMATIC SETTING OF THE UP AND DOWN END-LIMITS

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

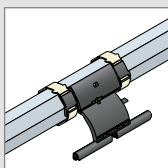
## SIMPLE PROGRAMMING

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

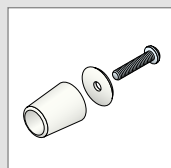
### DEPORTED ELECTRONIC PLATE



### REQUIRED EQUIPMENT



Locks



Conical stoppers or stoppers integrated into the guide rails

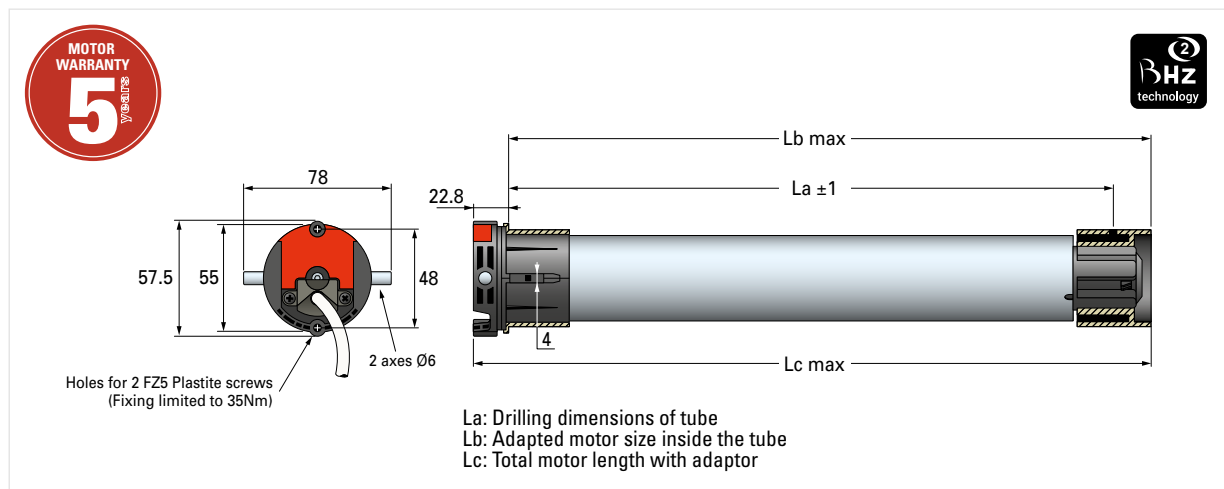


## RANGE

**POWER SUPPLY 230V - 50 Hz, CABLE 3 METERS**

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

## DIMENSIONS



## SPECIFICATION

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

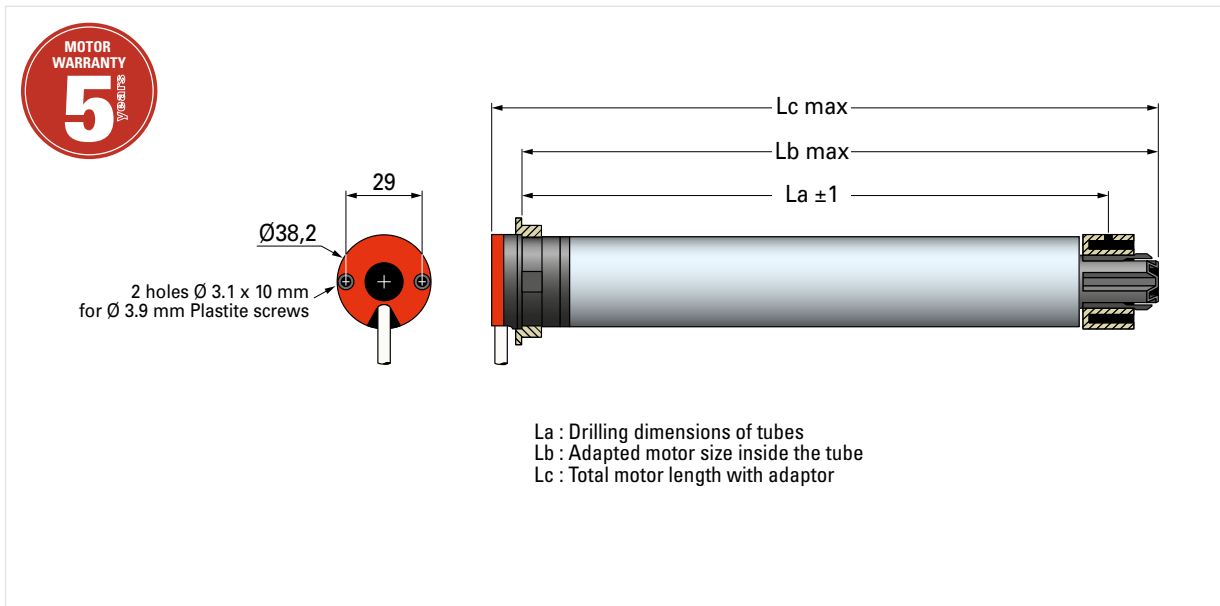
### POWER SUPPLY 230V - 50 Hz, CABLE 3 METERS

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

*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 (2x0.75mm<sup>2</sup> 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.

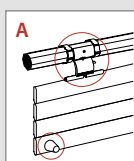
FROST DETECTION FUNCTION

...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

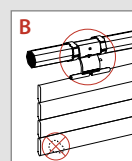
...It is possible to record a user's favorite position.

## 4 POSSIBLE SETTING MODES FROM A FUNCTIONAL TRANSMITTER



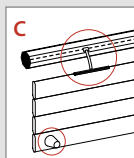
### AUTOMATIC MODE

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



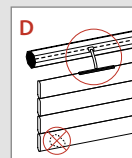
### SEMI-AUTOMATIC DOWN MODE

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

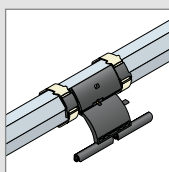
Shutters **without** locks and **with** stoppers  
 - automatic setting of the up limit position  
 - and manual setting of the down limit position from the radio transmitter



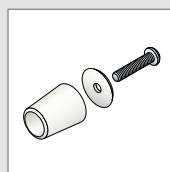
### MANUAL MODE

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



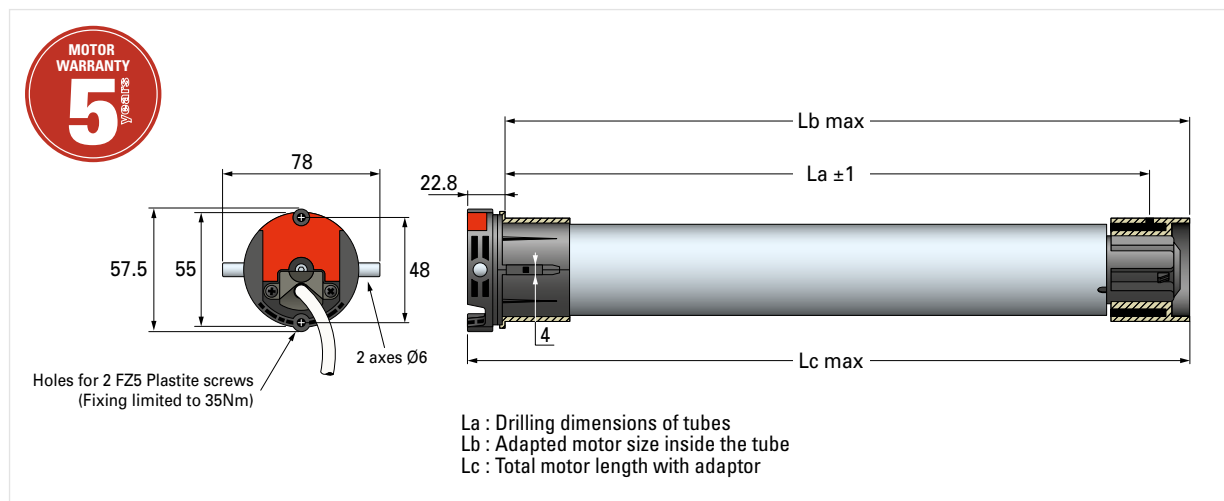
## RANGE

### POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE	
									x 1	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<sup>2</sup> 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





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
<b>T5 Hz02 - 8/17</b>	8 Nm	17 rpm	100 W	0,45 A	583mm	596mm	619mm	1,96 kg	<b>2004661</b>
<b>T5 Hz02 - 10/17</b>	10 Nm	17 rpm	120 W	0,5 A	583mm	596mm	619mm	2,01 kg	<b>2004662</b>
<b>T5 Hz02 - 15/17</b>	15 Nm	17 rpm	140 W	0,65 A	583mm	596mm	619mm	2,27 kg	<b>2004663</b>
<b>T5 Hz02 - 20/17</b>	20 Nm	17 rpm	160 W	0,75 A	657mm	670mm	693mm	2,39 kg	<b>2005093</b>
<b>T5 Hz02 - 25/17</b>	25 Nm	17 rpm	170 W	0,8 A	657mm	670mm	693mm	2,48 kg	<b>2004664</b>
<b>T5 Hz02 - 35/17</b>	35 Nm	17 rpm	240 W	1,1 A	657mm	670mm	693mm	2,67 kg	<b>2004665</b>
<b>T5 Hz02 - 50/12</b>	50 Nm	12 rpm	240 W	1,1 A	657mm	670mm	693mm	2,7 kg	<b>2004666</b>

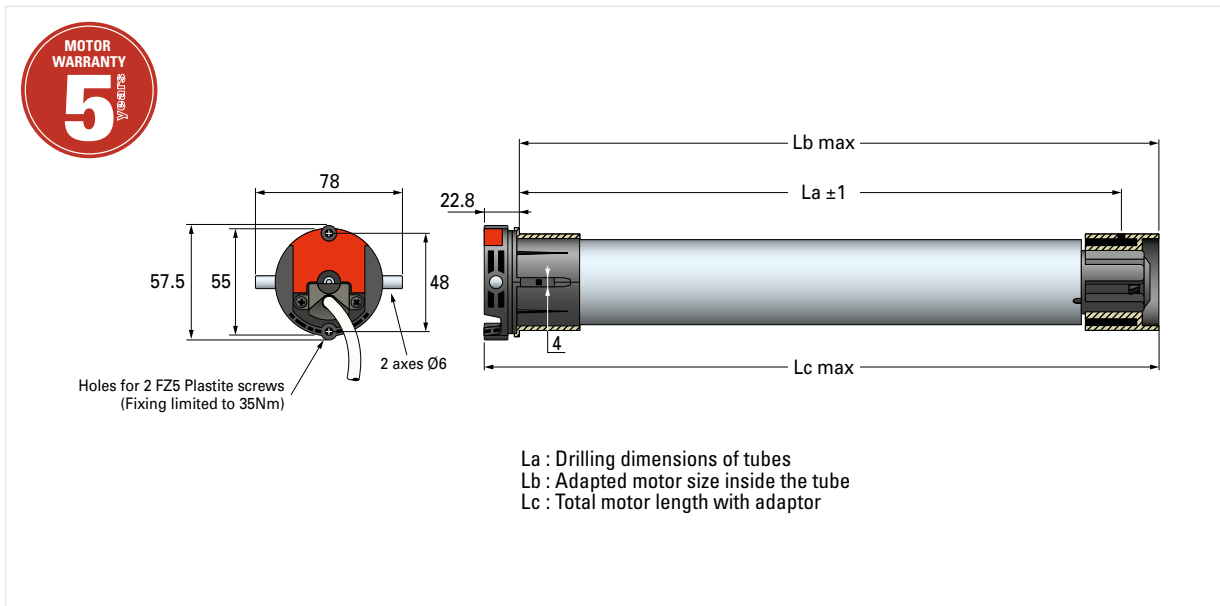
*Other references are available in the list of references at the end of the catalog p.204*

#### POWER SUPPLY 120V - 60 Hz, CABLE 2 METERS




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



## DIMENSIONS



## SPECIFICATION

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

# 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

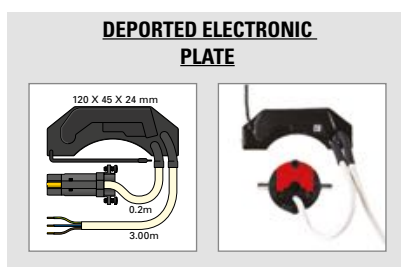
...the motor stops when opening if the shutter curtain is stuck in the guide rails by frost or if the bottom lath is locked.

### 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.



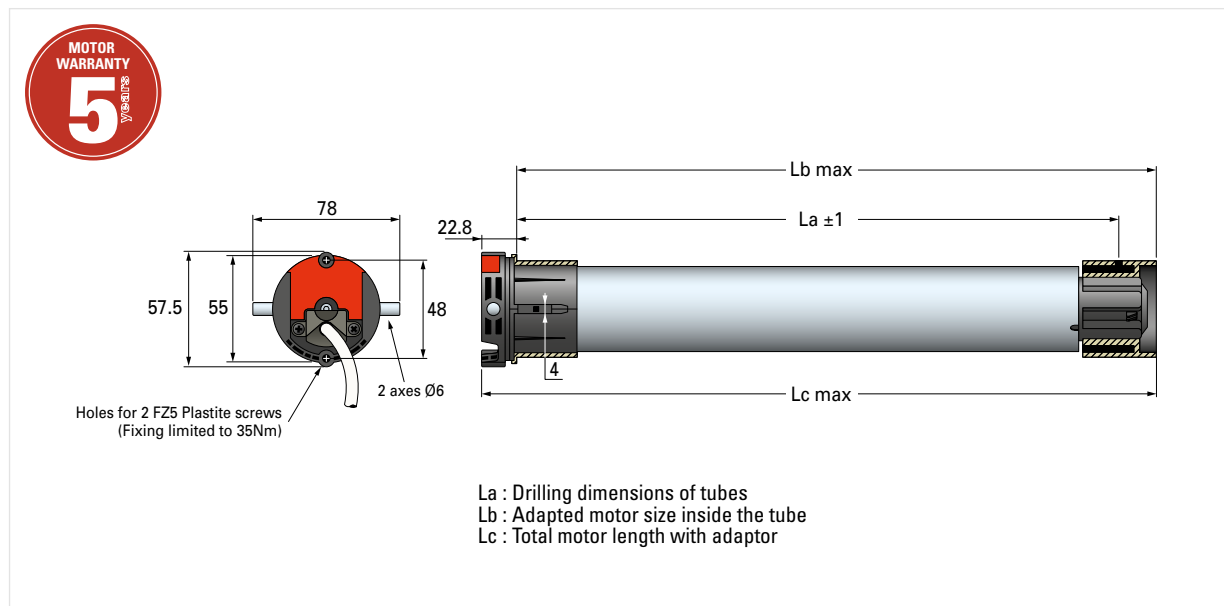


## RANGE




### POWER SUPPLY 230V - 50 Hz, CABLE 3 METERS

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

## DIMENSIONS

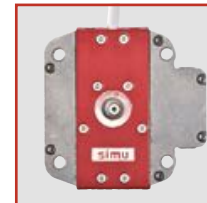


## SPECIFICATION

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

# 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

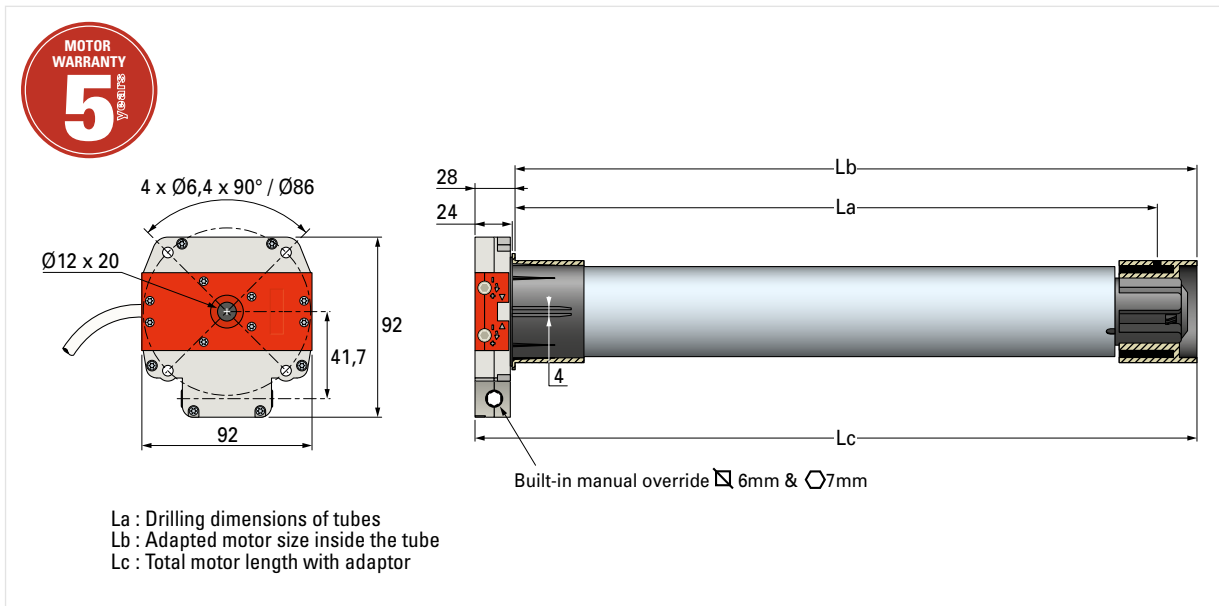
DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
<b>DMI5 Hz01 - 10/17</b>	10 Nm	17 rpm	120 W	0,5 A	716 mm	729 mm	757 mm	2,85 kg	<b>2004667</b>
<b>DMI5 Hz01 - 25/17</b>	25 Nm	17 rpm	170 W	0,8 A	716 mm	729 mm	757 mm	3,27 kg	<b>2004668</b>
<b>DMI5 Hz01 - 35/17</b>	35 Nm	17 rpm	240 W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

### POWER SUPPLY 120V - 60 Hz, CABLE 6 METERS






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



## DIMENSIONS



## SPECIFICATION

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

# 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

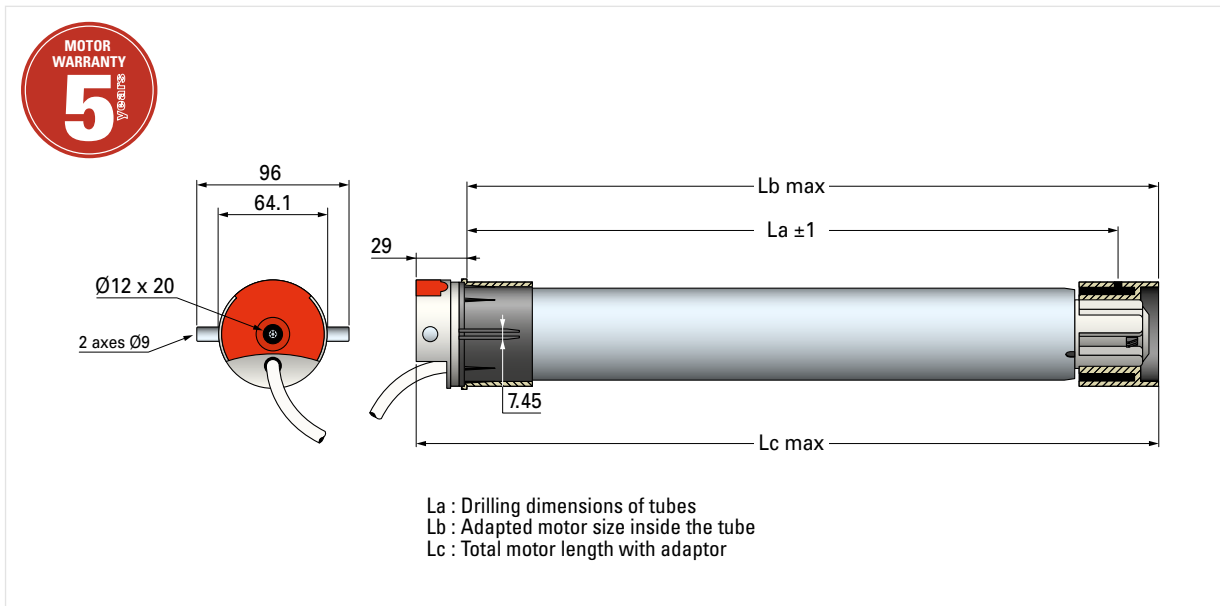
DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
<b>T6 Hz02 - 60/12</b>	60 Nm	12 rpm	240 W	1,05 A	716 mm	729 mm	758 mm	4,7 kg	<b>2006372</b>
<b>T6 Hz02 - 80/12</b>	80 Nm	12 rpm	290 W	1,25 A	716 mm	729 mm	758 mm	5 kg	<b>2006373</b>
<b>T6 Hz02 - 100/12</b>	100 Nm	12 rpm	350 W	1,5 A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

### POWER SUPPLY 120V - 60 Hz, CABLE 2.5 METERS



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



## DIMENSIONS



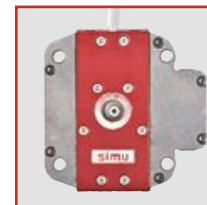
## SPECIFICATION

<b>POWER SUPPLY</b>	230 Volts - 50 Hz or 120 Volts - 60 Hz (US range)
<b>THERMAL CUT-OUT</b>	4 minutes (230V) or 5 minutes (120V)
<b>END-LIMIT</b>	Electronic system with operating limited to 3 min.
<b>PROTECTION INDEX</b>	IP 44
<b>POWER CABLE 230V</b>	2.5 meters (3x0.75 mm <sup>2</sup> wires, white H05 VVF)
<b>POWER CABLE 120V</b>	2.5 meters (3xAWG19 wires, white 05 VVF)
<b>RADIO FREQUENCY</b>	433.42 MHz
<b>SECURE COMMUNICATION</b>	Encrypted control orders + Rolling code with 16 million possible combinations
<b>REMOTE CONTROL RANGE</b>	<b>wall remote control:</b> ~150m in open field and ~15m through 2 reinforced concrete walls <b>mobile transmitter:</b> ~200m in open field and ~20m through 2 reinforced concrete walls The range may vary depending on the environment and on the radio pollution.
<b>BASE DIAMETER OF THE CROWN</b>	for Ø63 x 1.5 mm round tube
<b>MOTOR HEAD THICKNESS</b>	29 mm
<b>4 CYCLES PER DAY</b>	non consecutive
<b>INSULATION CLASS</b>	Class I motor
<b>COMPLIANCE</b>	European standards (EN) + IEC standards (international standards)
<b>CERTIFICATION</b>	
<b>&amp; STANDARD</b>	



# 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

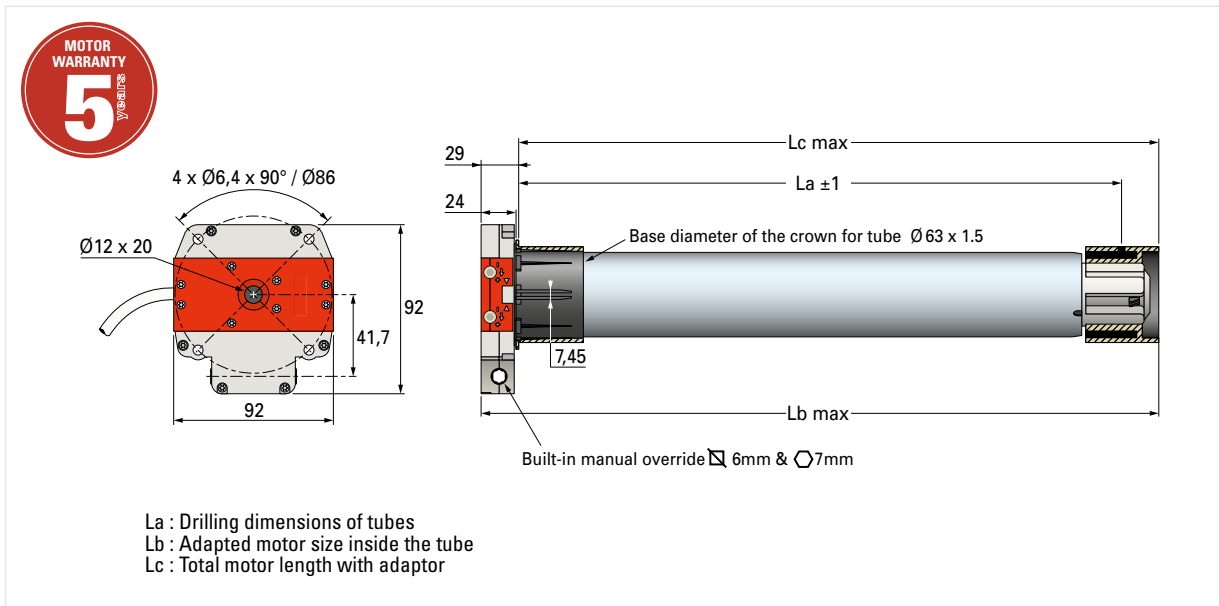
### POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

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






### POWER SUPPLY 120V - 60 Hz, CABLE 6 METERS

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

## DIMENSIONS



## SPECIFICATION

<b>POWER SUPPLY</b>	230 Volts - 50 Hz or 120 Volts - 60 Hz (US range)
<b>THERMAL CUT-OUT</b>	4 minutes (230V) or 5 minutes (120V)
<b>PROGRESSIVE END-LIMIT</b>	with a capacity of 28 rounds
<b>REDUCING RATIO</b>	of the manual override: 55/1
<b>PROTECTION INDEX</b>	IP 44
<b>POWER CABLE 230V</b>	2.5 meters (3x0,75 mm <sup>2</sup> wires, white H05 VVF)
<b>POWER CABLE 120V</b>	6 meters (3xAWG18 wires, white SJTW + Plug Nema)
<b>RADIO FREQUENCY</b>	433.42 MHz
<b>SECURE COMMUNICATION</b>	Encrypted control orders + Rolling code with 16 million possible combinations
<b>REMOTE CONTROL RANGE</b>	<b>wall remote control:</b> ~150m in open field and ~15m through 2 reinforced concrete walls <b>mobile transmitter:</b> ~200m in open field and ~20m through 2 reinforced concrete walls The range may vary depending on the environment and on the radio pollution.
<b>BASE DIAMETER OF THE CROWN</b>	for $\varnothing 63 \times 1,5$ mm round tube
<b>MOTOR HEAD THICKNESS</b>	24 mm
<b>4 CYCLES PER DAY</b>	non consecutive
<b>INSULATION CLASS</b>	Class I motor
<b>COMPLIANCE</b>	European standards (EN) + IEC standards (international standards)
<b>CERTIFICATIONS</b>	   
<b>&amp; STANDARD</b>	

# 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

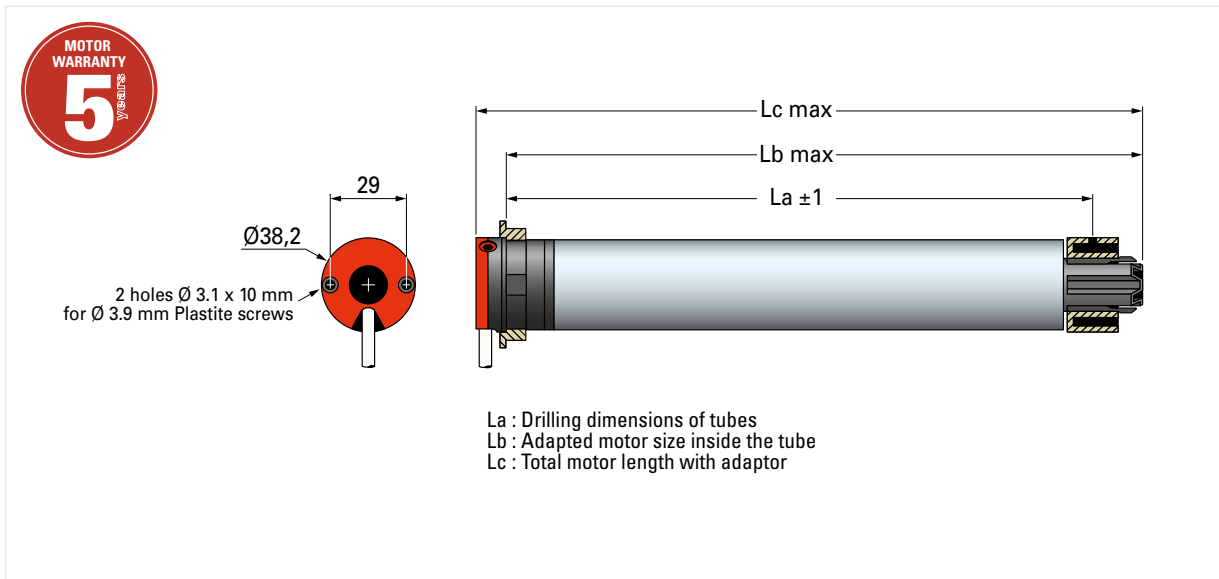
DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1	REFERENCE x 10
<b>T3.5 DC - 3/23</b>	3 Nm	23 rpm	17 W	1,4 A	335 mm	359 mm	373 mm	0,82 kg	<b>2006973</b>	<b>2006979</b>
<b>T3.5 DC - 6/18</b>	6 Nm	18 rpm	26 W	2,2 A	335 mm	359 mm	373 mm	0,85 kg	<b>2006975</b>	<b>2006981</b>
<b>T3.5 DC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

### POWER SUPPLY 24 VDC, CABLE 2.5 METERS


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



## DIMENSIONS



## SPECIFICATION

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

# 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

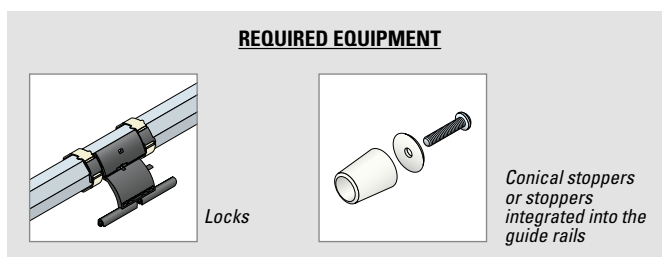
...the motor stops when opening if the shutter curtain is stuck in the guide rails by frost or if the bottom lath is locked.

## 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.



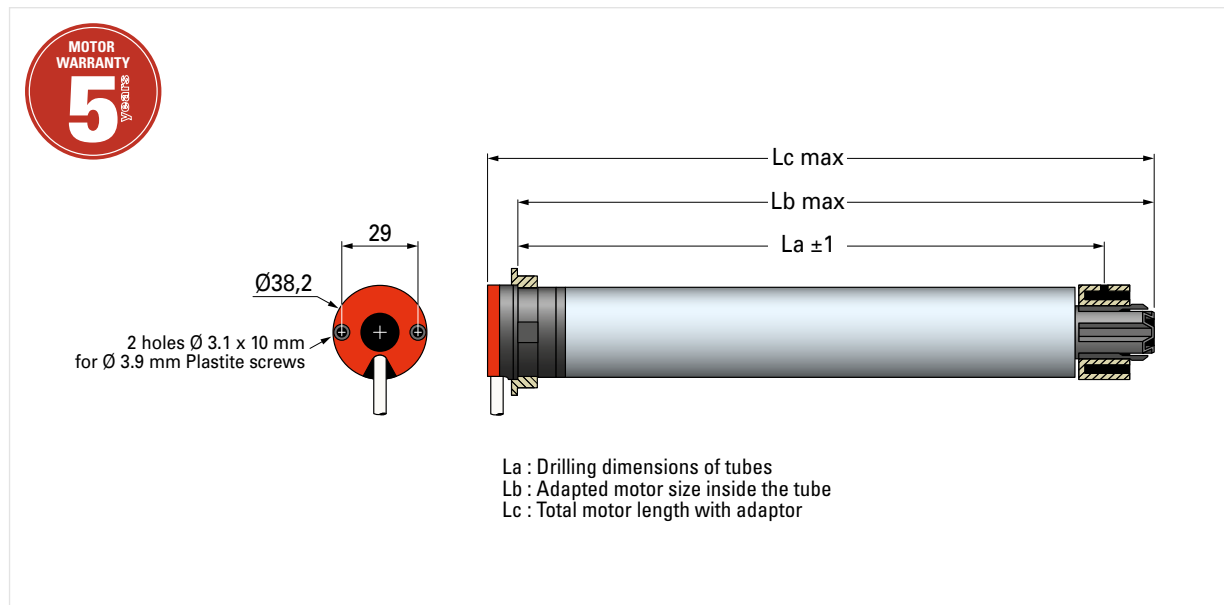


## RANGE




### POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

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

## DIMENSIONS



## SPECIFICATION

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

# 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
<b>T3.5 - 3/30</b>	3 Nm	30 rpm	90 W	0,42 A	448 mm	471 mm	485 mm	0,42 kg	<b>2008671</b>
<b>T3.5 - 4/16</b>	4 Nm	16 rpm	80 W	0,39 A	377 mm	400 mm	414 mm	0,85 kg	<b>2008672</b>
<b>T3.5 - 6/16</b>	6 Nm	16 rpm	90 W	0,42 A	448 mm	471 mm	485 mm	1,10 kg	<b>2008673</b>
<b>T3.5 - 9/16</b>	9 Nm	16 rpm	110 W	0,52 A	448 mm	471 mm	485 mm	1,05 kg	<b>2008674</b>
<b>T3.5 - 13/10</b>	13 Nm	10 rpm	110 W	0,52 A	448 mm	471 mm	485 mm	1,05 kg	<b>2008675</b>

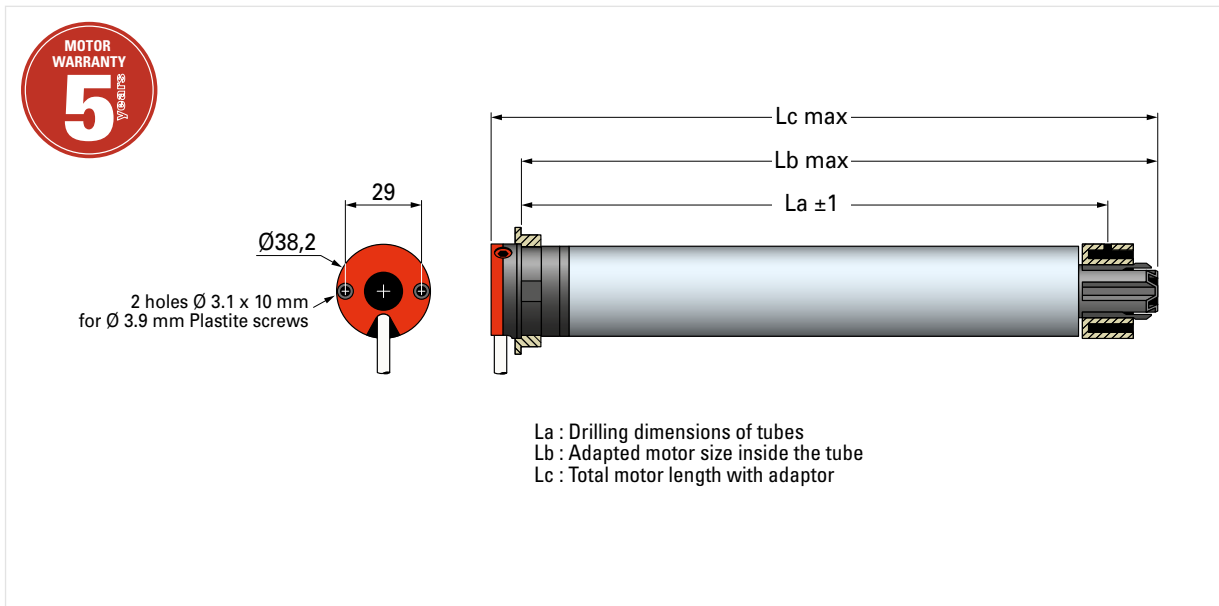
*Other references are available. Consult us.*

#### POWER SUPPLY 120V - 60 Hz, CABLE 2.5 METERS





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



## 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 (3x0.75mm<sup>2</sup> 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

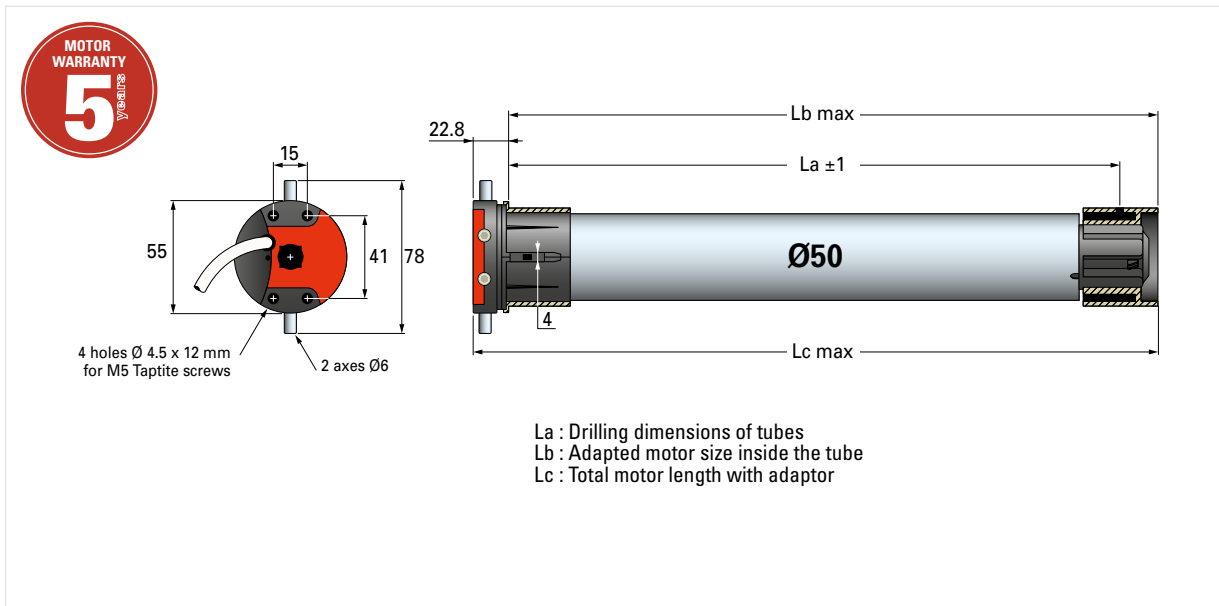
DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1	REFERENCE x 10
<b>T5 - 15/17</b>	15 Nm	17 rpm	61 W	5 A	585 mm	598 mm	621 mm	1,8 kg	<b>2004492</b>	<b>2008905</b>
<b>T5 - 20/12</b>	20 Nm	12 rpm	59 W	4,6 A	585 mm	598 mm	621 mm	1,81 kg	<b>2004493</b>	<b>2008906</b>
<b>T5 - 35/07</b>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

#### POWER SUPPLY 24 VDC, CABLE 2.5 METERS

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



## DIMENSIONS



## SPECIFICATION

<b>POWER SUPPLY</b>	12 VDC $\pm 3$ V or 24 VDC $\pm 6$ V
<b>PROGRESSIVE END-LIMIT</b>	with a capacity of 28 rounds
<b>PROTECTION INDEX</b>	IP 44
<b>POWER CABLE</b>	2.5 meters (2x0,75 mm <sup>2</sup> wires, white H05 VVF)
<b>BASE DIAMETER OF THE CROWN</b>	for $\varnothing 50 \times 1.5$ mm round tube
<b>MOTOR HEAD THICKNESS</b>	22.8 mm
<b>4 CYCLES PER DAY</b>	non consecutive
<b>COMPLIANCE</b>	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).

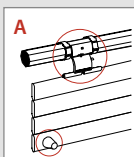
## STOP ON OBSTACLE FUNCTION

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

## FROST DETECTION FUNCTION

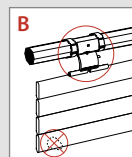
...the motor stops when opening if the shutter curtain is stuck in the guide rails by frost or if the bottom lath is locked.

### 4 POSSIBLE SETTING MODES



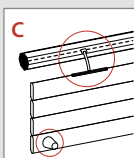
#### AUTOMATIC MODE

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.



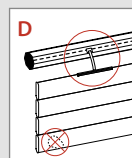
#### SEMI-AUTOMATIC DOWN MODE

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

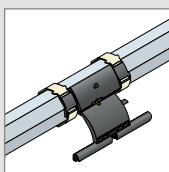
Shutters **without locks** and **with stoppers**  
 - automatic setting of the up limit position  
 - and manual setting of the down limit position  
 from the specific setting switch



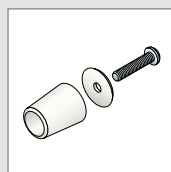
#### MANUAL MODE

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





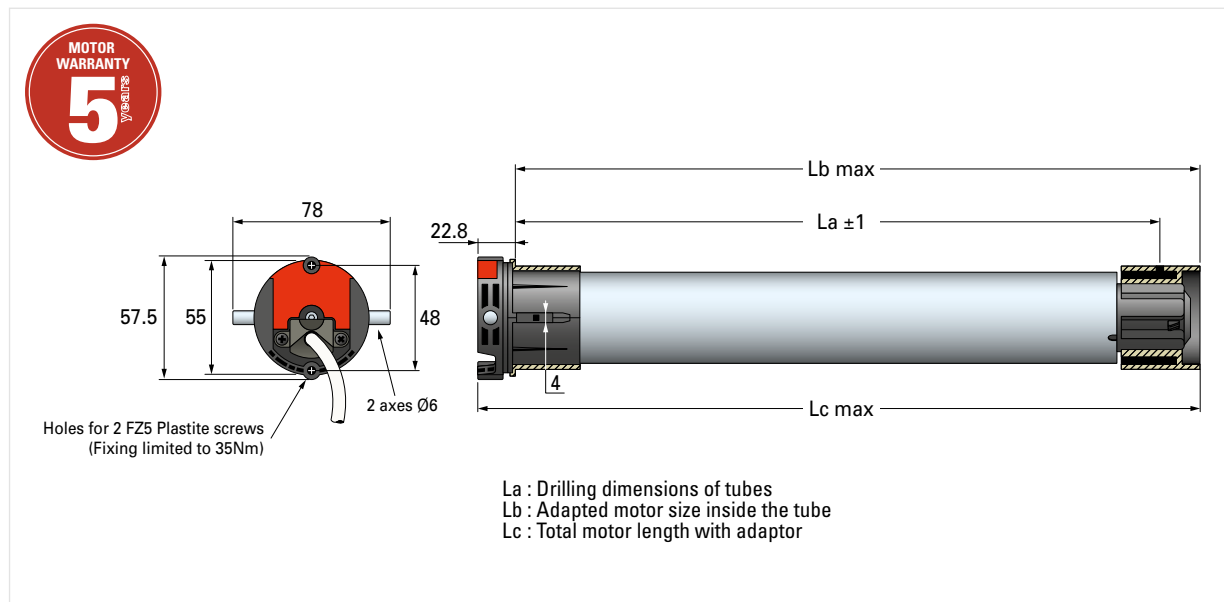
## RANGE

### POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

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

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 mm<sup>2</sup> 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

NEW



## SHORT 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.

### 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

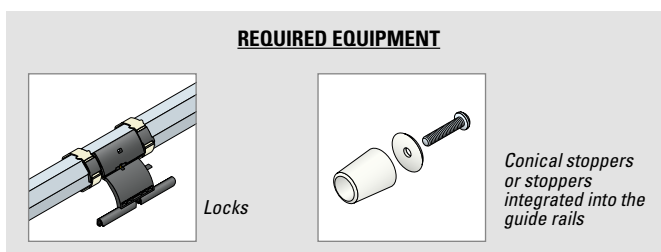
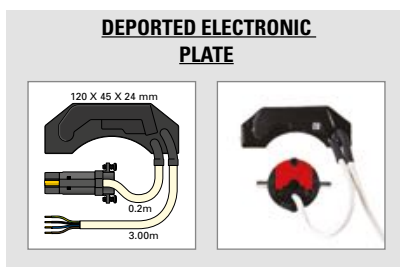
...the motor stops when closing in the case of an obstruction.

### 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.



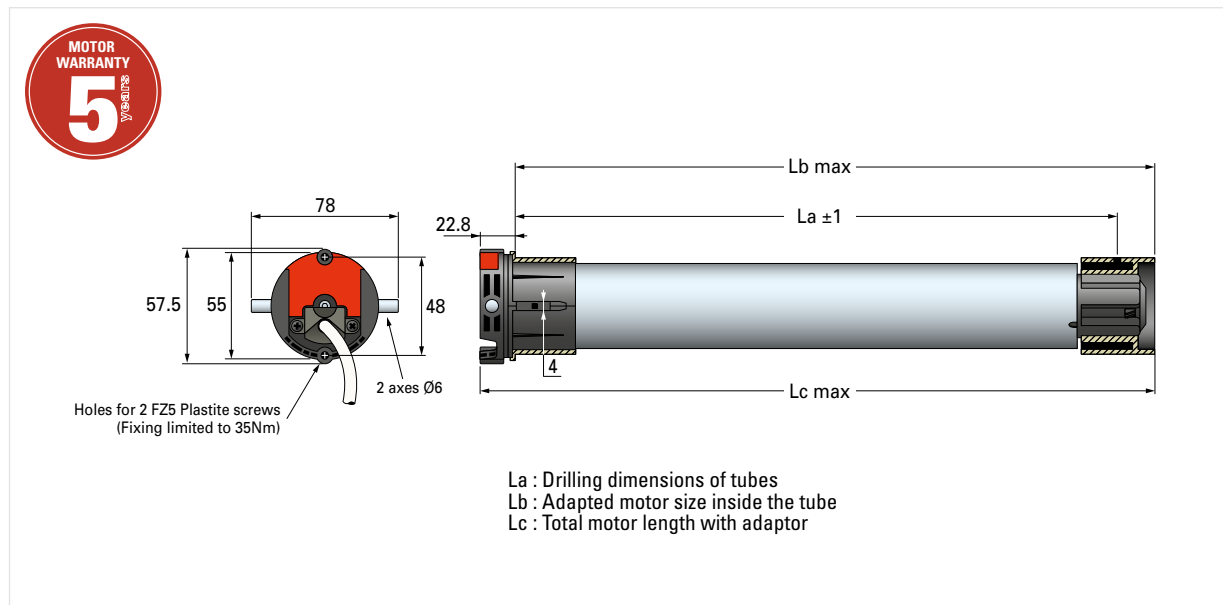


## RANGE




### POWER SUPPLY 230V - 50 Hz, CABLE 3 METERS

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

## DIMENSIONS



## SPECIFICATION

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

# 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

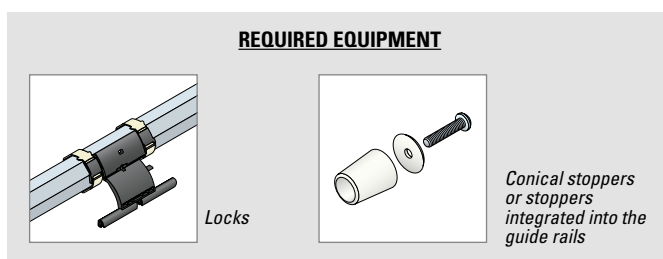
...the motor stops when closing in the case of an obstruction.

## 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

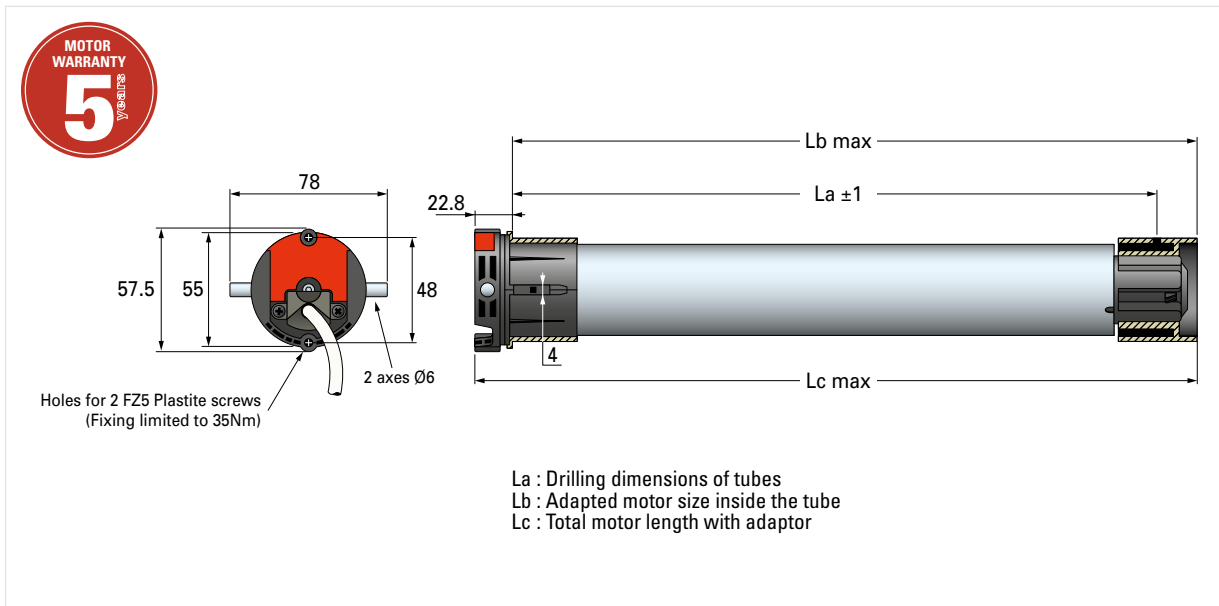
### POWER SUPPLY 230V - 50 Hz, CABLE 2.5 METERS

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




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



## DIMENSIONS



## SPECIFICATION

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



# 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
<b>T5 - 8/17</b>	8 Nm	17 rpm	100 W	0,45 A	483mm	496mm	519mm	1,75 kg	<b>2000242</b>
<b>T5 - 10/17</b>	10 Nm	17 rpm	120 W	0,5 A	483mm	496mm	519mm	1,78 kg	<b>2000268</b>
<b>T5 - 15/17</b>	15 Nm	17 rpm	140 W	0,65 A	483mm	496mm	519mm	1,93 kg	<b>2000295</b>
<b>T5 - 20/17</b>	20 Nm	17 rpm	160 W	0,75 A	583mm	596mm	619mm	2,2 kg	<b>2000322</b>
<b>T5 - 25/17</b>	25 Nm	17 rpm	170 W	0,8 A	583mm	596mm	619mm	2,3 kg	<b>2000348</b>
<b>T5 - 30/17</b>	30 Nm	17 rpm	240 W	1,1 A	583mm	596mm	619mm	2,47 kg	<b>2000371</b>
<b>T5 - 35/17</b>	35 Nm	17 rpm	240 W	1,1 A	583mm	596mm	619mm	2,47 kg	<b>2000392</b>
<b>T5 - 40/12</b>	40 Nm	12 rpm	240 W	1,1 A	583mm	596mm	619mm	2,5 kg	<b>2000412</b>
<b>T5 - 50/12</b>	50 Nm	12 rpm	240 W	1,1 A	583mm	596mm	619mm	2,55 kg	<b>2000432</b>

*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

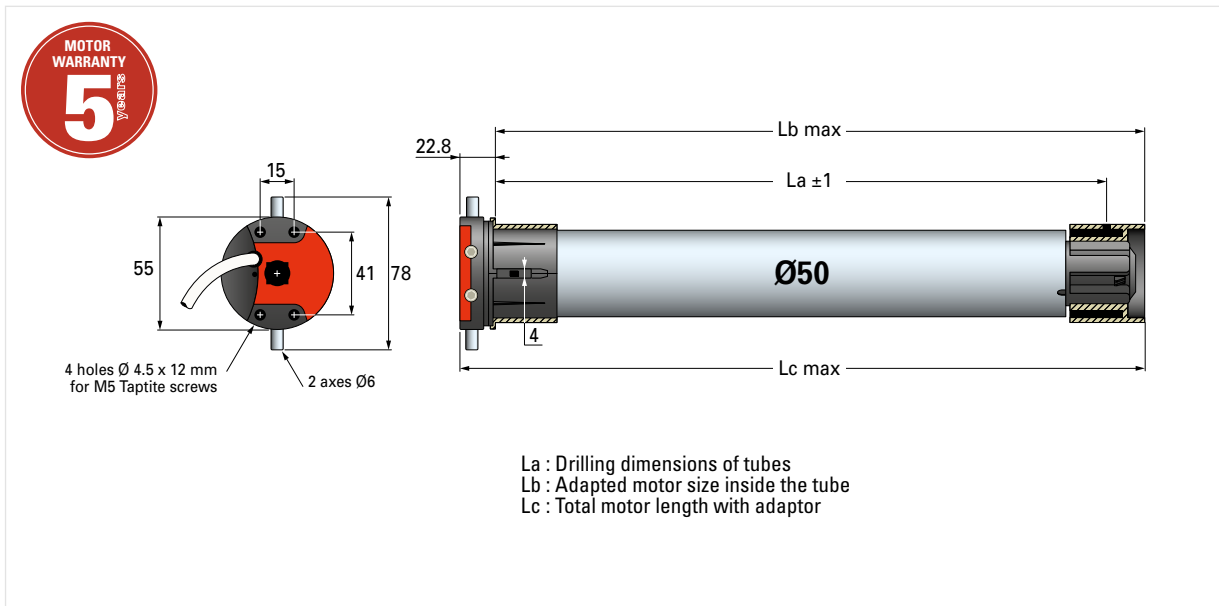
DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
<b>T5 - 10/12</b>	10 Nm	12 rpm	80 W	0,7 A	483mm	496mm	519mm	2,04 kg	<b>2000649</b>
<b>T5 - 15/18</b>	15 Nm	18 rpm	145 W	1,1 A	505 mm	518 mm	541 mm	2,25 kg	<b>2000646</b>
<b>T5 - 20/12</b>	20 Nm	12 rpm	130 W	1,1 A	505 mm	518 mm	541 mm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

#### POWER SUPPLY 220V - 60 Hz, CABLE 2.5 METERS





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



## 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<sup>2</sup> wires, white H05 VVF)  
or 0.7 meter (4x0,75 mm<sup>2</sup> 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<sup>2</sup> wires, white H05 VVF)
- BASE DIAMETER OF THE CROWN** for  $\varnothing$ 50 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** 

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

#### POWER SUPPLY 120V - 60 Hz, CABLE 2.5 METERS

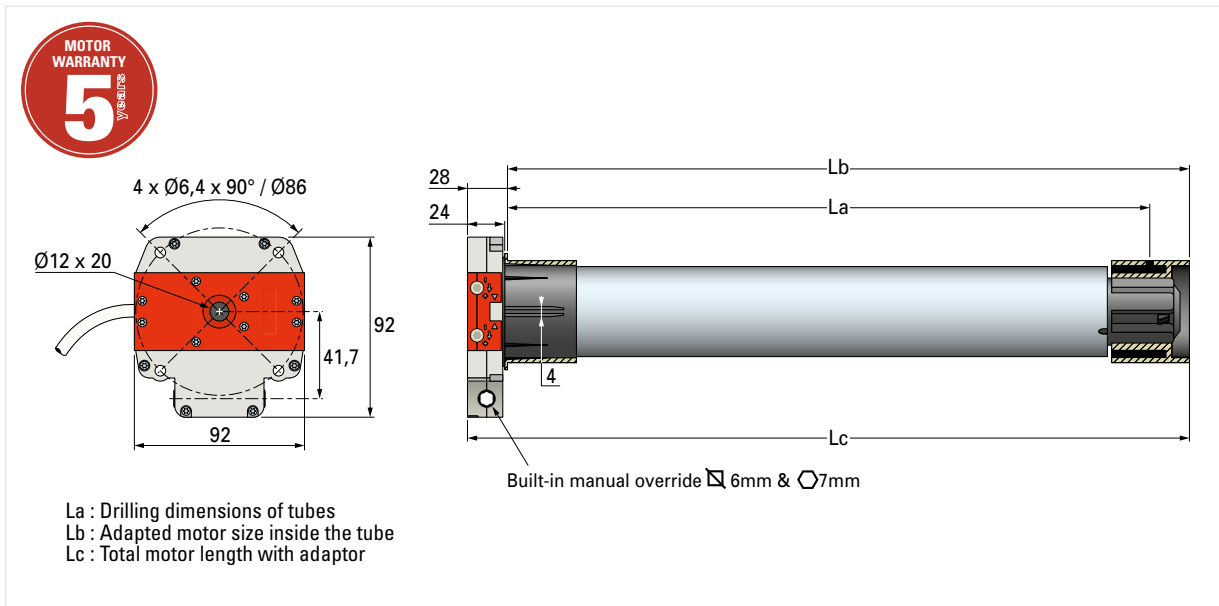
DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
<b>DMI 5 - 10/12</b>	10 Nm	12 rpm	80 W	0,8 A	576 mm	589 mm	617 mm	2,59 kg	<b>2000772</b>
<b>DMI 5 - 15/18</b>	15 Nm	18 rpm	145 W	1,3 A	576 mm	589 mm	617 mm	2,77 kg	<b>2000769</b>
<b>DMI 5 - 20/12</b>	20 Nm	12 rpm	130 W	1,1 A	576 mm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

#### POWER SUPPLY 220V - 60 Hz, CABLE 2.5 METERS






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



## 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<sup>2</sup> wires, white H05 VVF)  
or 0.7 meter (4x0,75 mm<sup>2</sup> 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<sup>2</sup> wires, white H05 VVF)
- BASE DIAMETER OF THE CROWN** for  $\varnothing 50$  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
<b>T6 - 40/17</b>	40 Nm	17 rpm	240 W	1,05 A	676 mm	689 mm	718 mm	4,43 kg	<b>2000892</b>
<b>T6 - 55/17</b>	55 Nm	17 rpm	290 W	1,25 A	676 mm	689 mm	718 mm	4,64 kg	<b>2000898</b>
<b>T6 - 70/17</b>	70 Nm	17 rpm	350 W	1,5 A	676 mm	689 mm	718 mm	4,97 kg	<b>2000904</b>
<b>T6 - 85/17</b>	85 Nm	17 rpm	450 W	1,8 A	676 mm	689 mm	718 mm	5,17 kg	<b>2000910</b>
<b>T6 - 60/12</b>	60 Nm	12 rpm	240 W	1,05 A	676 mm	689 mm	718 mm	4,43 kg	<b>2000916</b>
<b>T6 - 80/12</b>	80 Nm	12 rpm	290 W	1,25 A	676 mm	689 mm	718 mm	4,64 kg	<b>2000922</b>
<b>T6 - 100/12</b>	100 Nm	12 rpm	350 W	1,5 A	676 mm	689 mm	718 mm	4,97 kg	<b>2000928</b>
<b>T6 - 120/12</b>	120 Nm	12 rpm	400 W	1,8 A	676 mm	689 mm	718 mm	5,17 kg	<b>2000934</b>

*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

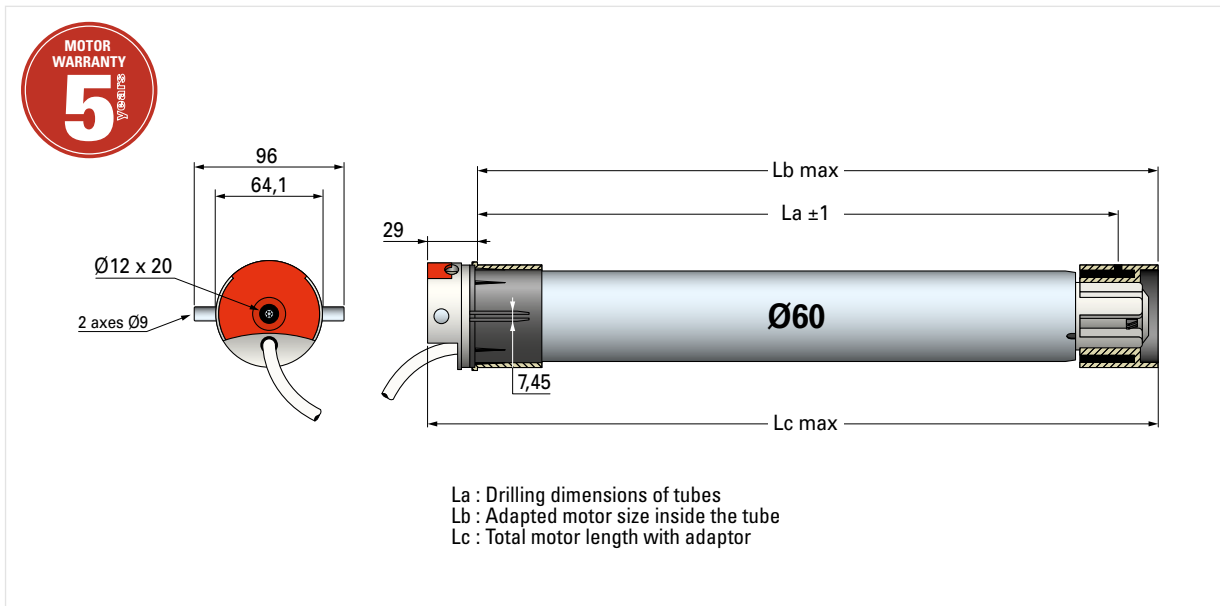
DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
<b>T6 - 60/14</b>	60 Nm	14 rpm	285 W	2,5 A	676 mm	689 mm	718 mm	4,66 kg	<b>2000985</b>
<b>T6 - 80/14</b>	80 Nm	14 rpm	390 W	3,4 A	676 mm	689 mm	718 mm	4,97 kg	<b>2000986</b>
<b>T6 - 100/14</b>	100 Nm	14 rpm	430 W	3,8 A	676 mm	689 mm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

#### POWER SUPPLY 220V - 60 Hz, CABLE 2.5 METERS





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



## DIMENSIONS

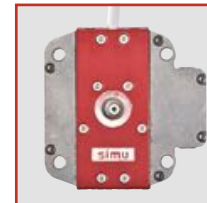


## SPECIFICATION

- 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 mm<sup>2</sup> wires, white H05 VVF)  
0.7 meters (4x0,75 mm<sup>2</sup> wires, black H05 RRF)
- POWER CABLE 120V** 2.5 meters (4xAWG19 wires, white 05 VVF)
- POWER CABLE 220V** 2.5 meters (4x0,75 mm<sup>2</sup> wires, white H05 VVF)
- BASE DIAMETER OF THE CROWN** for  $\text{Ø}63 \times 1.5$  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
<b>DMI 6 - 40/17</b>	40 Nm	17 rpm	240 W	1,05 A	662 mm	675 mm	704 mm	4,6 kg	<b>2000991</b>
<b>DMI 6 - 55/17</b>	55 Nm	17 rpm	290 W	1,25 A	662 mm	675 mm	704 mm	4,85 kg	<b>2000994</b>
<b>DMI 6 - 70/17</b>	70 Nm	17 rpm	350 W	1,5 A	662 mm	675 mm	704 mm	5,17 kg	<b>2000997</b>
<b>DMI 6 - 85/17</b>	85 Nm	17 rpm	450 W	1,8 A	662 mm	675 mm	704 mm	5,38 kg	<b>2001000</b>
<b>DMI 6 - 60/12</b>	60 Nm	12 rpm	240 W	1,05 A	662 mm	675 mm	704 mm	4,63 kg	<b>2001003</b>
<b>DMI 6 - 80/12</b>	80 Nm	12 rpm	290 W	1,25 A	662 mm	675 mm	704 mm	4,85 kg	<b>2001007</b>
<b>DMI 6 - 100/12</b>	100 Nm	12 rpm	350 W	1,5 A	662 mm	675 mm	704 mm	5,17 kg	<b>2001010</b>
<b>DMI 6 - 120/12</b>	120 Nm	12 rpm	400 W	1,8 A	662 mm	675 mm	704 mm	5,38 kg	<b>2001013</b>

*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

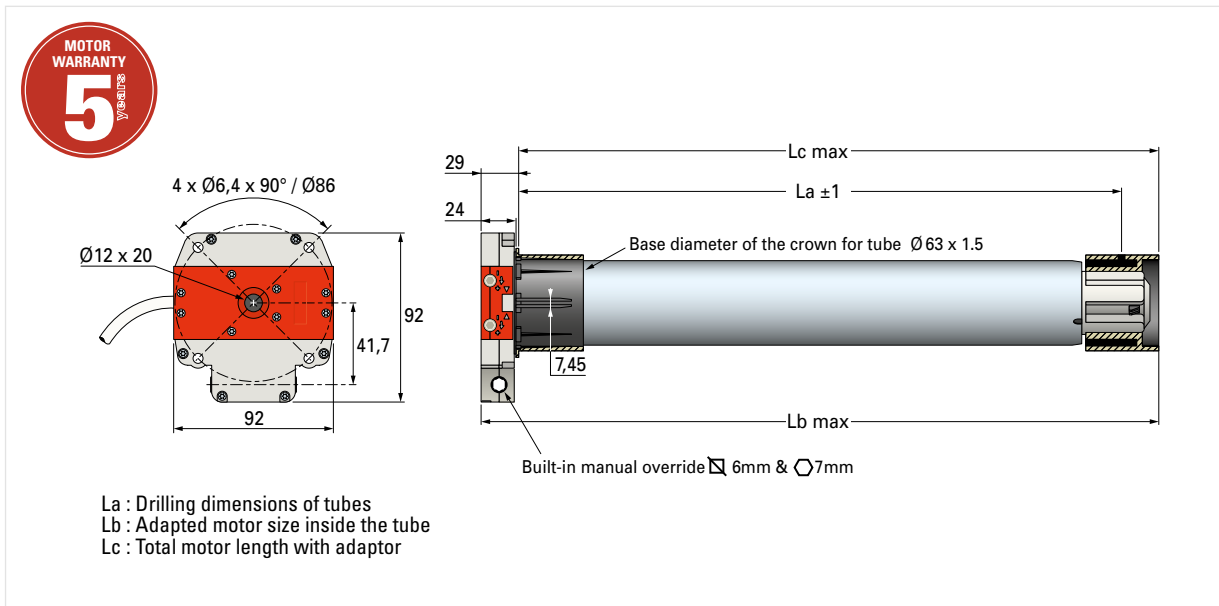
DESCRIPTION	TORQUE	SPEED	POWER	CURRENT	La	Lb	Lc	WEIGHT	REFERENCE x 1
<b>DMI 6 - 60/14</b>	60 Nm	14 rpm	285 W	2,5 A	662 mm	675 mm	704 mm	4,87 kg	<b>2001040</b>
<b>DMI 6 - 80/14</b>	80 Nm	14 rpm	390 W	3,4 A	662 mm	675 mm	704 mm	5,18 kg	<b>2001042</b>
<b>DMI 6 - 100/14</b>	100 Nm	14 rpm	430 W	3,8 A	662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

#### POWER SUPPLY 220V - 60 Hz, CABLE 2.5 METERS






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



## DIMENSIONS



## SPECIFICATION

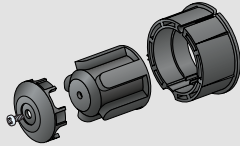
- POWER SUPPLY** 230 Volts - 50 Hz or 120 Volts - 60 Hz (US range)
- THERMAL CUT-OUT** 4 minutes (230V) or 5 minutes (120V)
- PROGRESSIVE END-LIMIT** with a capacity of 28 rounds
- REDUCING RATIO** of the manual override: 55/1
- PROTECTION INDEX** IP 44
- POWER CABLE 230V** 2.5 meters (4x0,75 mm<sup>2</sup> wires, white H05 VVF)  
0.7 meters (4x0,75 mm<sup>2</sup> wires, black H05 RRF)
- POWER CABLE 120V** 2.5 meters (4xAWG19 wires, white 05 VVF)
- POWER CABLE 220V** 2.5 meters (4x0,75 mm<sup>2</sup> wires, white H05 VVF)
- BASE DIAMETER OF THE CROWN** for  $\varnothing 63$  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** 



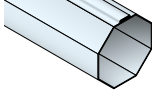


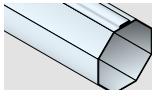

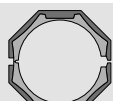
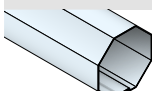


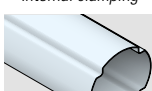


# ADAPTOR SETS

## FOR Ø40, Ø50, Ø60 MOTORS

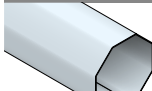


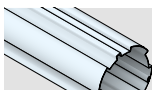

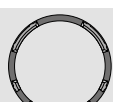
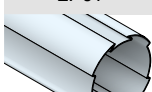
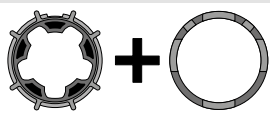
### INTERFACE ADAPTOR

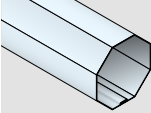

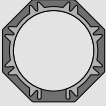
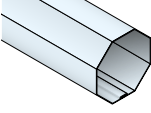
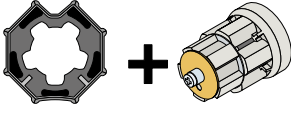
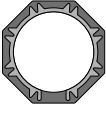
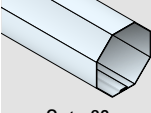

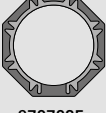
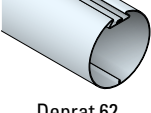

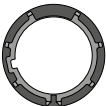
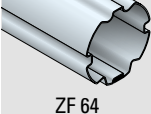



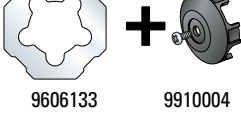






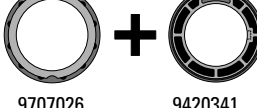
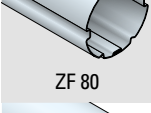


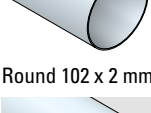

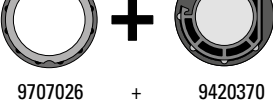



INTERFACE SET	DESCRIPTION	REFERENCE
	Adaptor interface for Ø40 motor enabling to use adaptors made for Ø50 motors	<b>9001529</b>

### Ø40 MOTORS

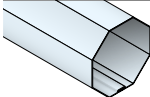

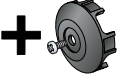

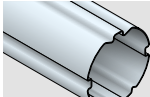


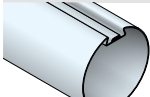


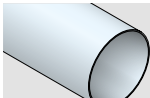

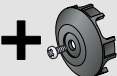

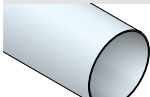

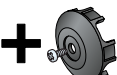

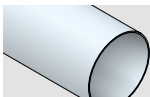


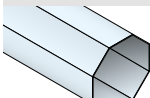


TUBE	DRIVE HUB	CROWN	DESCRIPTION	REFERENCE
 Deprat 40 External clamping	 9500344	 9132145	Adaptor for Deprat octa 40 tube, external clamping	<b>9001496</b>
 Octa 40 Gaviota/Simbac External clamping	 9147545	 9147327	Adaptor for Gaviota/Simbac octa 40 tube external clamping	<b>9001481</b>
 Octa 40 Internal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

### Ø50 MOTORS

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

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

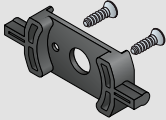
## Ø60 MOTORS

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	<b>9530117</b>
 ZF 80	 9420302		 9128890	Adaptor for ZF 80 tube	<b>9530114</b>
 Deprat 89	 9420301		 9420341	Adaptor for Deprat 89 tube	<b>9530110</b>
 Round 101.6 x 1.6mm	 9420304	 9910062	 9420370	Adaptor for 101.6 x 1.6mm tube with drive hub stop	<b>9000985</b>
 Round 101.6 x 3.6mm	 9420309	 9910062	 9420371	Adaptor for 101.6 x 3.6mm tube with drive hub stop	<b>9000986</b>
 Round 101.6 x 3.6mm	 9420309		 9420371	Adaptor for 101.6 x 3.6mm tube	<b>9530124</b>
 Octa 102 Alulux	 9761013		 9762013	Adaptor for Alulux octa 102 tube	<b>9530131</b>

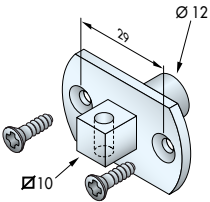
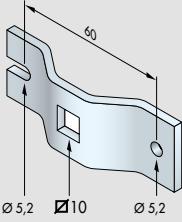
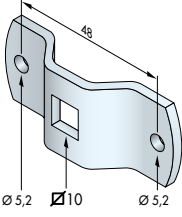
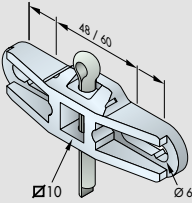
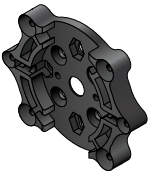
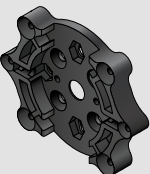
# BRACKETS FOR MOTOR SIDE

## Ø40, Ø50, Ø60 AND DMI MOTORS

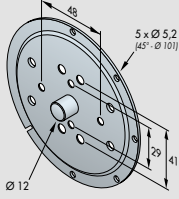
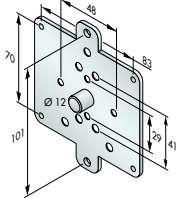
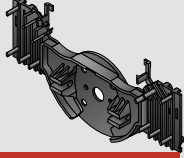
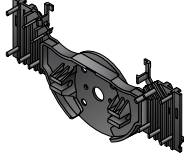
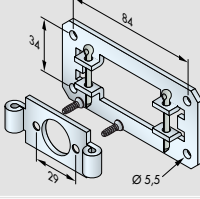
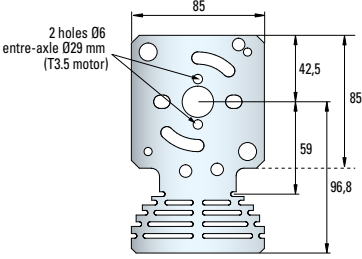
### Ø40 MOTORS

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

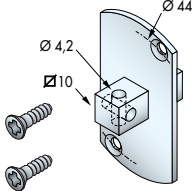
### Ø40 MOTORS

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

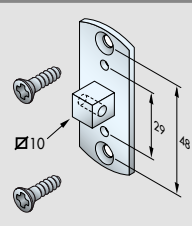
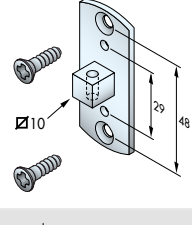
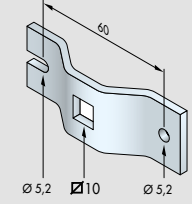
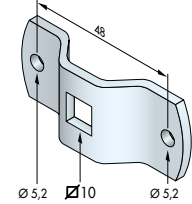
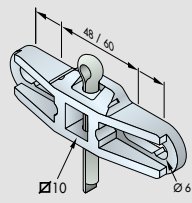
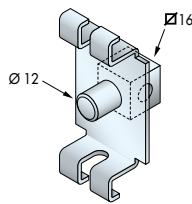
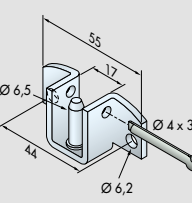
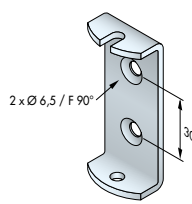
## Ø40 MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
	COMBINED WINDOW SHUTTER	20 Nm	Thyssen bracket	2003200
	COMBINED WINDOW SHUTTER	20 Nm	S.K.S. bracket	2003206
 <p><i>Packaged by 1</i></p>	RENOVATION	20 Nm	Butterfly bracket, cuttable from 137 to 205mm (Gaviota Simbac Mini 45° side frame)	901108 (x1)
 <p><i>Packaged by 100</i></p>	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

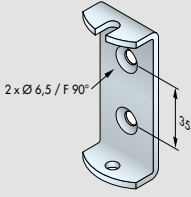
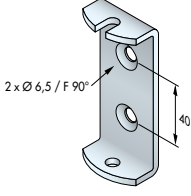
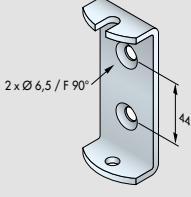
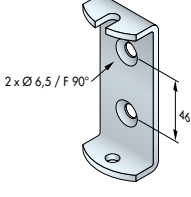
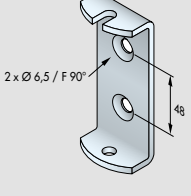
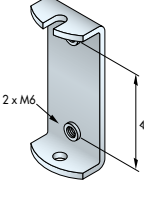
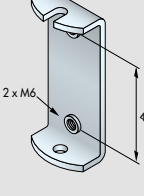
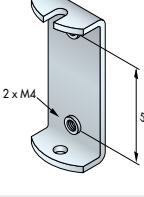
## Ø50 MOTORS

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

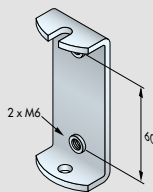
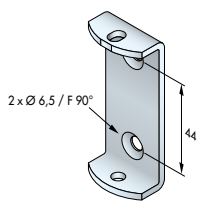


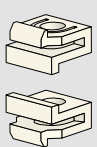
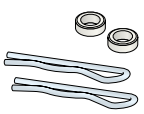
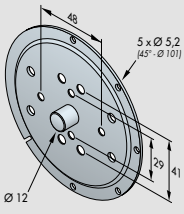
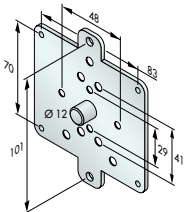
## Ø50 MOTORS

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

## Ø50 MOTORS

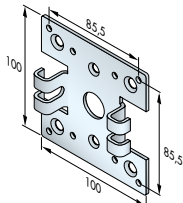
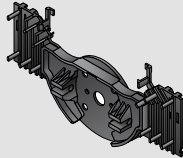
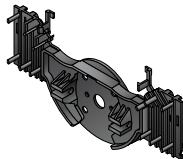
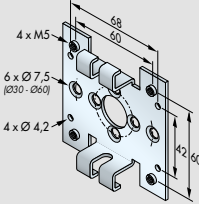
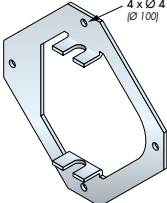
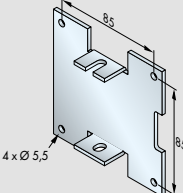
BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
 <p>2 x Ø 6,5 / F 90° 35</p>	WALL INTEGRATED SYSTEM	30 Nm	T5 clamp Ø6,5mm F 90° holes 35mm inter-axle	9520054
 <p>2 x Ø 6,5 / F 90° 40</p>	WALL INTEGRATED SYSTEM	40 Nm	T5 clamp Ø6,5mm F 90° holes 40mm inter-axle	9520048
 <p>2 x Ø 6,5 / F 90° 44</p>	WALL INTEGRATED SYSTEM	40 Nm	T5 clamp Ø6,5mm F 90° holes 44mm inter-axle	9520064
 <p>2 x Ø 6,5 / F 90° 46</p>	WALL INTEGRATED SYSTEM	40 Nm	T5 clamp Ø6,5mm F 90° holes 46mm inter-axle	9520062
 <p>2 x Ø 6,5 / F 90° 48</p>	WALL INTEGRATED SYSTEM	50 Nm	T5 clamp Ø6,5mm F 90° holes 48mm inter-axle	9520104
 <p>2 x M6 44</p>	WALL INTEGRATED SYSTEM	50 Nm	T5 clamp M6 holes 44mm inter-axle	9527403
 <p>2 x M6 48</p>	WALL INTEGRATED SYSTEM	50 Nm	T5 clamp M6 holes 48mm inter-axle	9520040
 <p>2 x M4 50</p>	WALL INTEGRATED SYSTEM	50 Nm	T5 clamp M4 holes 50mm inter-axle	9520038

**Ø50 MOTORS**

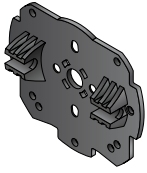
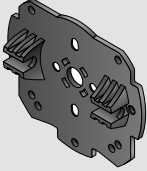
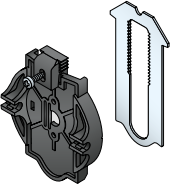
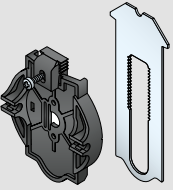
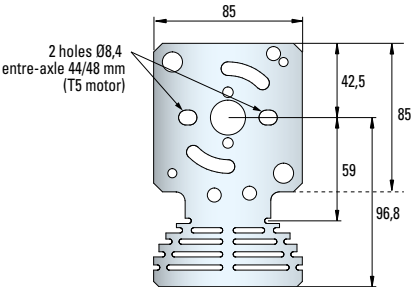
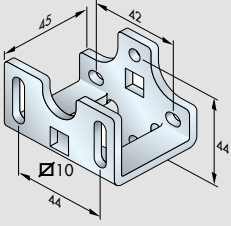
BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
	WALL INTEGRATED SYSTEM	<b>50 Nm</b>	T5 clamp M6 holes 60mm inter-axle	<b>9520063</b>
	WALL INTEGRATED SYSTEM	<b>40 Nm</b>	T5 clamp with oblongs Ø6,5mm F 90° holes 44mm inter-axle	<b>9012467</b>
	COMBINED WINDOW SHUTTER RENOVATION	<b>35 Nm</b>	Universal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




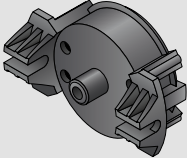
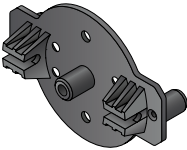
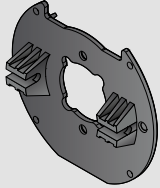

## Ø50 MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
	COMBINED WINDOW SHUTTER	50 Nm	VEKA bracket	9013217
 <p><i>Packaged by 1</i></p>	RENOVATION	20 Nm	Butterfly bracket, cuttable from 137 to 205mm (Gaviota Simbac Mini 45° side frame)	9001108 (x1)
 <p><i>Packaged by 100</i></p>	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

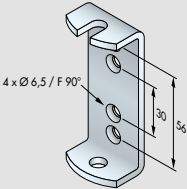
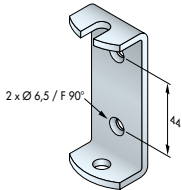
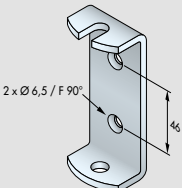
## Ø50 MOTORS

BRACKET	APPLICATION	MAXI TORQUE	DESCRIPTION	REFERENCE
 <i>Packaged by 1</i>	RENOVATION	<b>20 Nm</b>	ZF Alu Reno Bracket	<b>9016065 (x1)</b>
 <i>Packaged by 10</i>	RENOVATION	<b>20 Nm</b>	ZF Alu Reno Bracket	<b>9016067 (x10)</b>
	RENOVATION	<b>30 Nm</b>	Telescopic bracket 125 - 165mm end plate	<b>9017536</b>
	RENOVATION	<b>30 Nm</b>	Telescopic bracket 180 - 205mm end plate	<b>9017537</b>
	RENOVATION	<b>20 Nm</b>	Bracket for side frame ZF ALURENO (125/205)	<b>2008418</b>
	TUNNEL	<b>40 Nm</b>  <b>25 Nm</b>  <b>20 Nm</b>	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	<b>9001735</b>

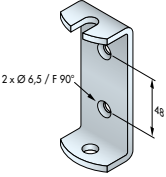
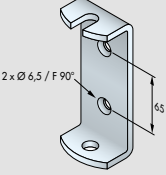
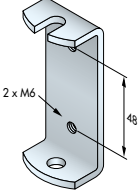
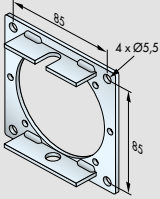
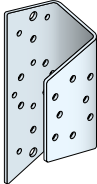
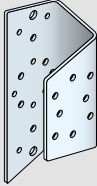
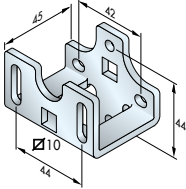

## Ø50 MOTORS

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

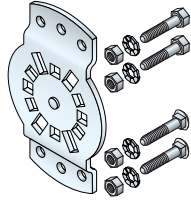
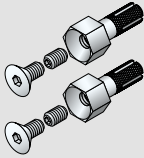
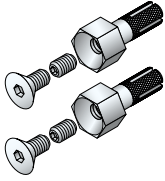
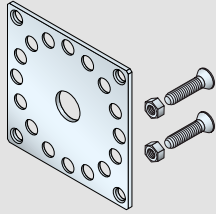
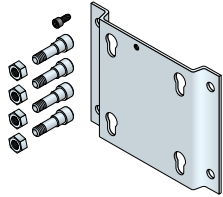
## Ø60 MOTORS

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


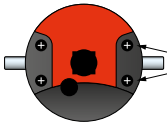
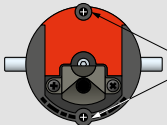
## Ø60 MOTORS

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



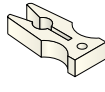
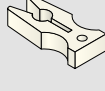
## DMI MOTORS

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

**SCREWS FOR FIXING ONTO CLAMP**

ACCESSORIE	DESCRIPTION	REFERENCE x 200
	Pin ring for Ø50 motor (bag 200)	<b>9850312</b>
	Pin ring for Ø60 motor (bag 200)	<b>9850313</b>
	Fixing clip for Ø50 motor (bag 200)	<b>850316</b>
	Fixing clip for Ø60 motor (bag 200)	<b>850317</b>

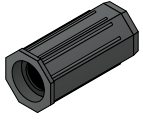
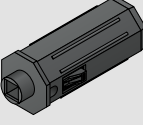
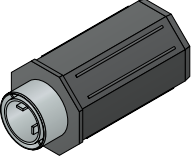
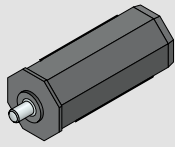
**ACCESSORIES FOR MOTOR SETTING**

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

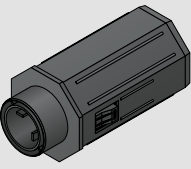
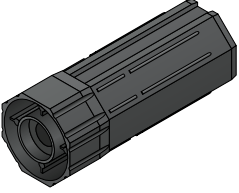
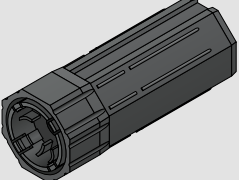
# END CAPS FOR TUBE

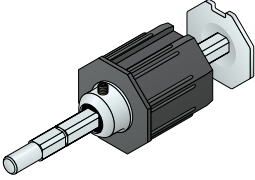
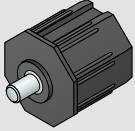
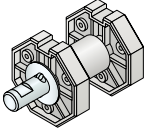

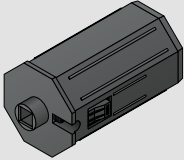
## FOR OPPOSITE SIDE

### OCTA 40MM ROLLING TUBE

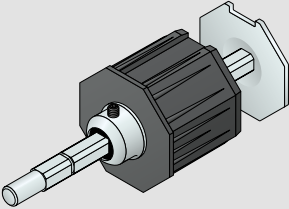
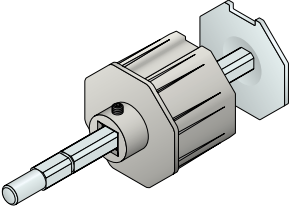
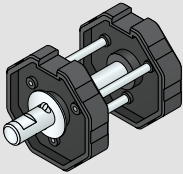

END CAP	DESCRIPTION	REFERENCE
	End cap length 78mm for Ø28mm bearing	<b>2003527</b>
	End cap length 80mm, with clips + screws, with female 10mm square,	<b>2003106</b>
	Adjustable end cap, octa 40 for Ø28mm bearing	<b>2007508</b>
	End cap length 71.5mm, octa 40 for Ø10mm bearing	<b>2003542</b>

### OCTA 60MM ROLLING TUBE

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

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


## OCTA 70MM ROLLING TUBE

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



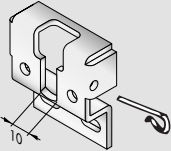
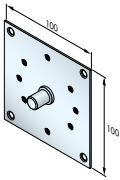
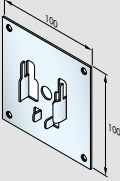

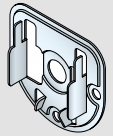
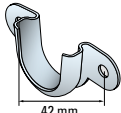
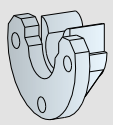
# BEARINGS

## FOR OPPOSITE SIDE

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

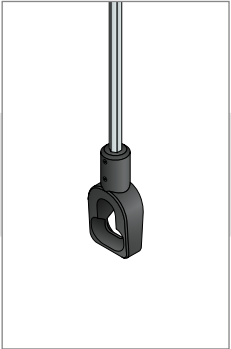
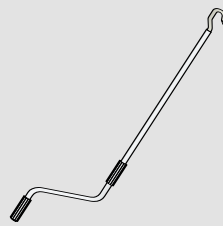
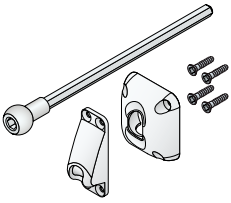

# BRACKETS

## FOR OPPOSITE SIDE

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

# ACCESSORIES FOR MANUAL OVERRIDE

## FOR DMI MOTORS

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

# ACCESSORIES

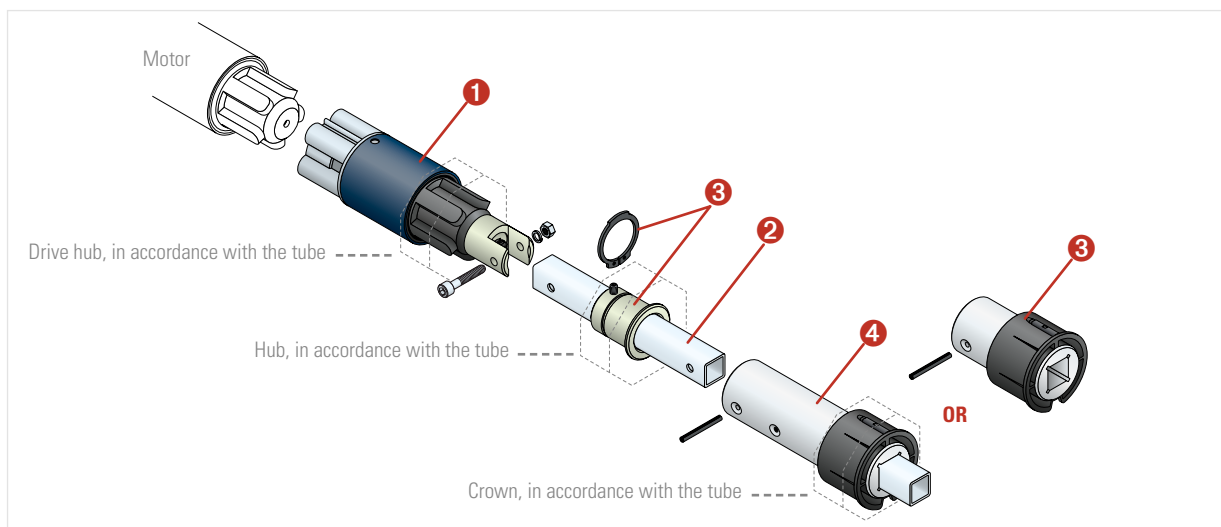
## FOR MANUAL OVERRIDE WITH DIFFERENTIAL AND GEAR ON THE OPPOSITE SIDE

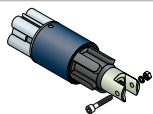
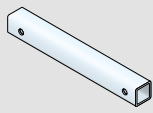

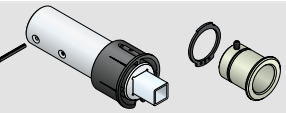


### THE MANUAL OVERRIDE WITH DIFFERENTIAL AND GEAR ON THE OPPOSITE SIDE

...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

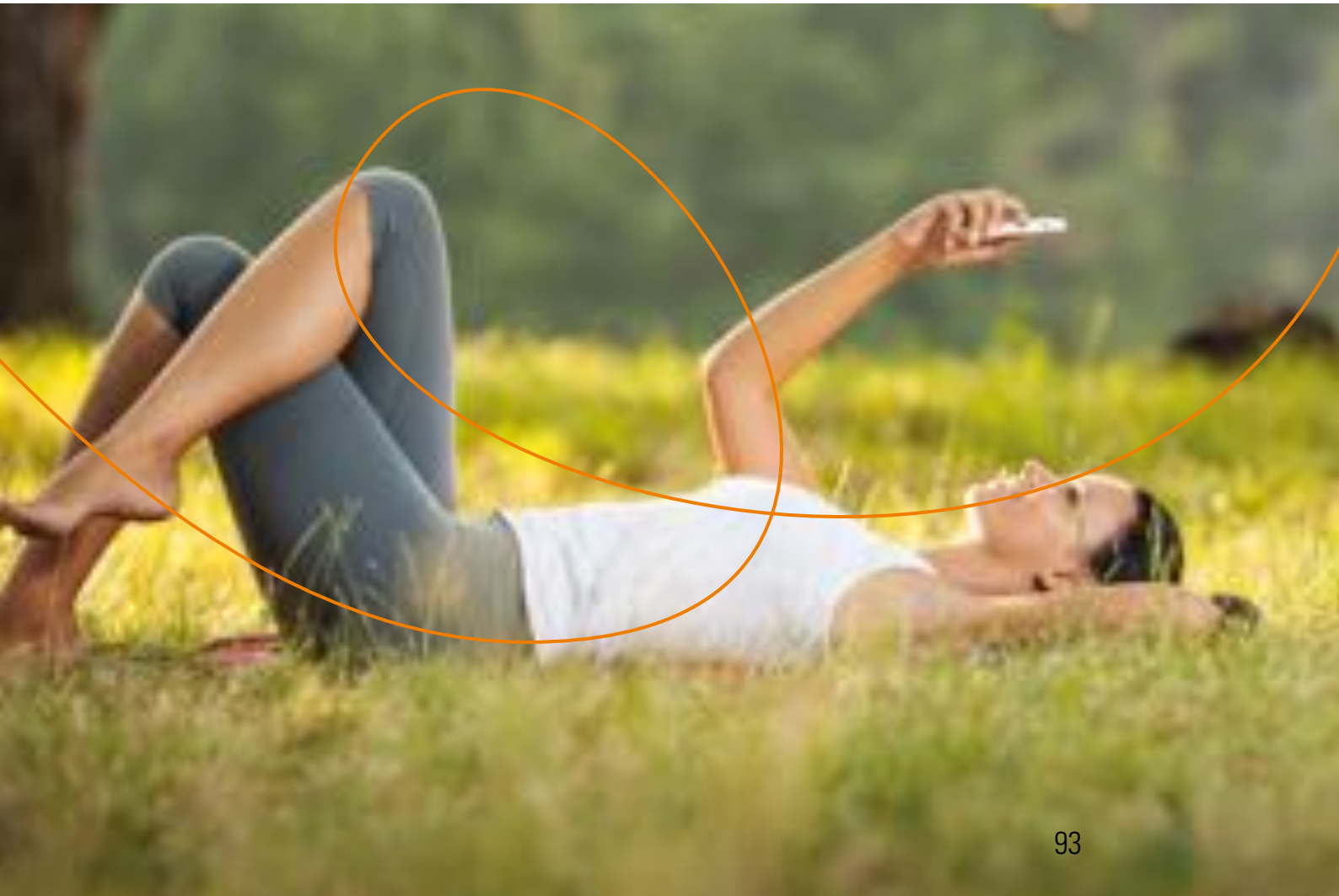
# AND AUTOMATION



**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.

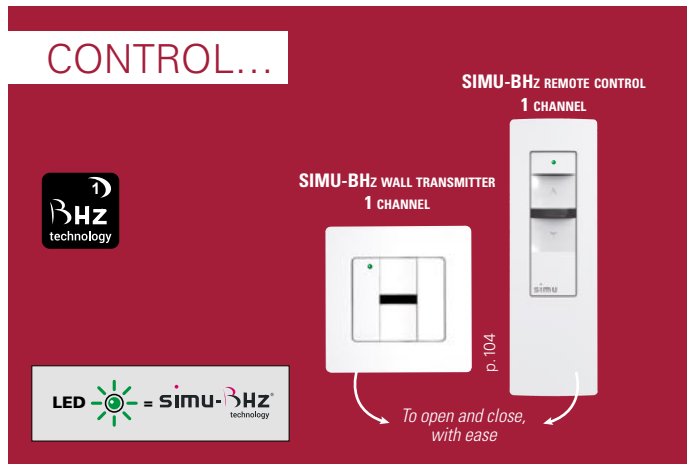
- + COMFORT
- + SECURITY
- + CUSTOMIZATION
- + SCALABLE

## GET CONNECTED...

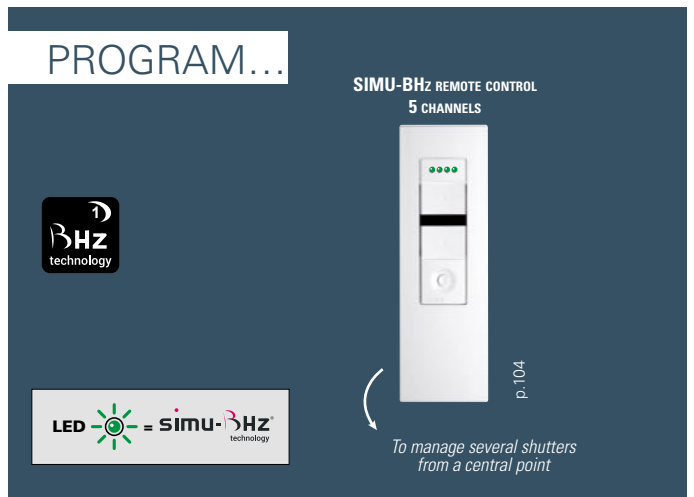


with information feedback

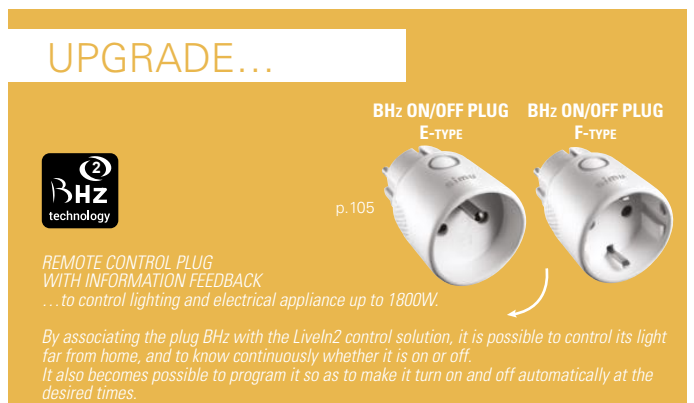
## CONTROL...



## PROGRAM...



## UPGRADE...



Compatible with  
SIMU radio ranges:

**simu-BHz**<sup>®</sup>  
technology  
&  
**simu-Hz**  
technology

## To associate with the Liveln2 control solution

OUTDOOR SUN SENSOR

Liveln2



p.103

SCENARIO TRANSMITTER

Liveln2



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 Liveln2 application



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

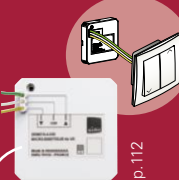
SEQUENTIAL WALL TRANSMITTER



p.110

One button to switch your lighting on and off

HZ MICRO TRANSMITTER

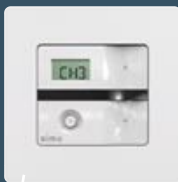


p.112

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

## PROGRAM...

SIMU-Hz WALL TRANSMITTER 5 CHANNELS



p.118

To manage several shutters from a central point

SIMU-Hz REMOTE CONTROL 5 CHANNELS



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

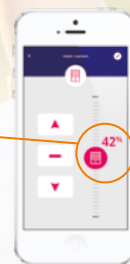
LiveIn<sup>2</sup>  
powered by



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

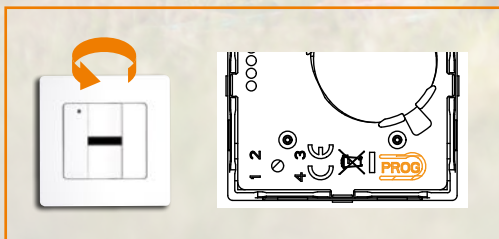


**INFORMATION FEEDBACK**  
I can see the status and positions of my BHz shutters from the equipment menu in real time.



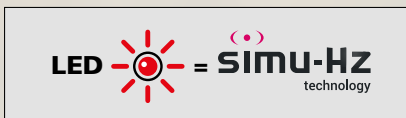
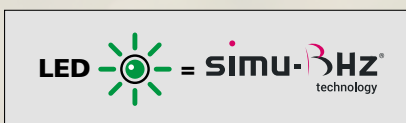
**MORE PRECISION**  
I can select the opening setting for my shutter to the preferred position from the control menu.

### 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 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
<b>LIVEIN2 BOX</b>	<b>2009201</b>

DESCRIPTION	REFERENCE
<b>LIVEIN2 WIFI USB DONGLE</b>	<b>2009287</b>

Compatible with radio SIMU ranges:



## 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.

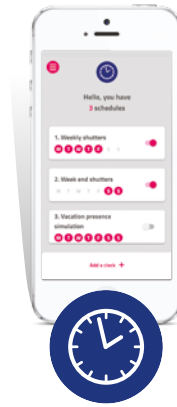
## 4 POSSIBILITIES TO CONTROL YOUR EQUIPMENTS



**EQUIPMENTS**  
DIRECT CONTROL OF DEVICES  
OR BY CHOSEN GROUPS



**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.*



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



**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.



P.102

LAUNCH THE  
SCENARIOS FROM  
A DEDICATED WALL  
TRANSMITTER

Transmitter BHz scenario LiveIn2



P.103

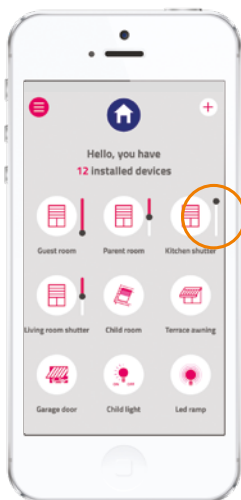
Outdoor BHz sun sensor

## NEW SIMU-BHz

WHAT IS SIMU-BHz?

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

LiveIn<sup>2</sup>  
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 LiveIn<sup>2</sup> 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



LiveIn<sup>2</sup> 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](http://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](http://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) \**

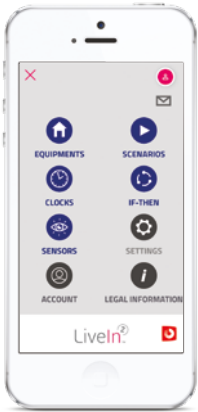
**CLOCK:** Fixed schedule: presence simulation available  
Cosmic time: dusk, twilight

*(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)

LiveIn<sup>2</sup> 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
<b>TRANSMITTER BHz SCENARIO LIVEIN2</b>	<b>2009225</b>

*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.

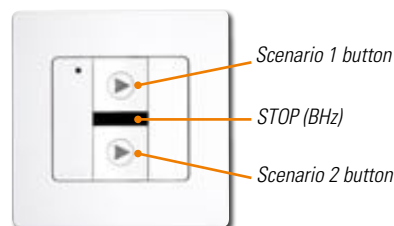
**EASY PROGRAMMING:** from the LiveIn2 app, assign to each button of the transmitter a scenario so that you can launch it directly from the transmitter. If necessary, the choice of assigned scenarios may be modified.

**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
<b>OUTDOOR BHz SUN SENSOR</b>	<b>2009338</b>

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

CONTROLS  
AND AUTOMATION

## 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.

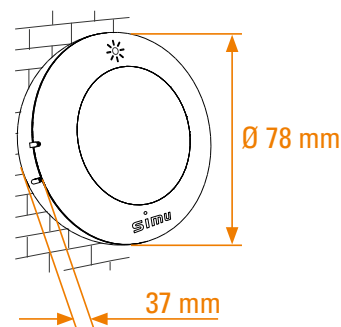
CONVENIENT: wireless radio sensor powered by 2 batteries, it can be located on an exterior wall of the house and it measures the sunlight from dawn to dusk. From the LiveIn2 application, you can check the battery level.

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
<b>WALL TRANSMITTER BHz 1C</b>	x1	<b>2009078</b>
<b>WALL TRANSMITTER BHz 1C</b>	x100	<b>2009079</b>
<b>MOBILE TRANSMITTER BHz 1C</b>	x1	<b>2009072</b>
<b>MOBILE TRANSMITTER BHz 5C</b>	x1	<b>2009202</b>
<b>WALL BHz TRANSMITTER 1C PERSO</b>	x100	<b>2009542</b>

*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



**BHz ON/OFF PLUG**  
E-TYPE

**BHz ON/OFF PLUG**  
F-TYPE



E-TYPE



F-TYPE



## 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.

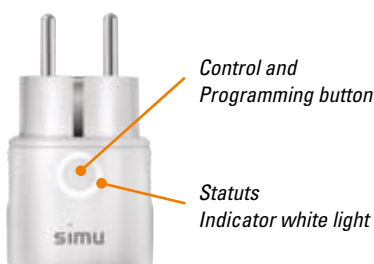
### DESIGN AND ET PERFORMANT

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 Liveln2 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)  
 Liveln2

**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	REFERENCE		
	x1	x10	x100
<b>1 C WALL HZ TRANSMITTER</b>	<b>2008369</b>	<b>2008370</b>	<b>2008495</b>
<b>1 C MOBILE HZ REMOTE CONTROL</b>	<b>2008799</b>	-	-

*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	
<b>WALL HZ TRANSMITTER 1C PERSO</b>	x100	<b>2009070</b>



### 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

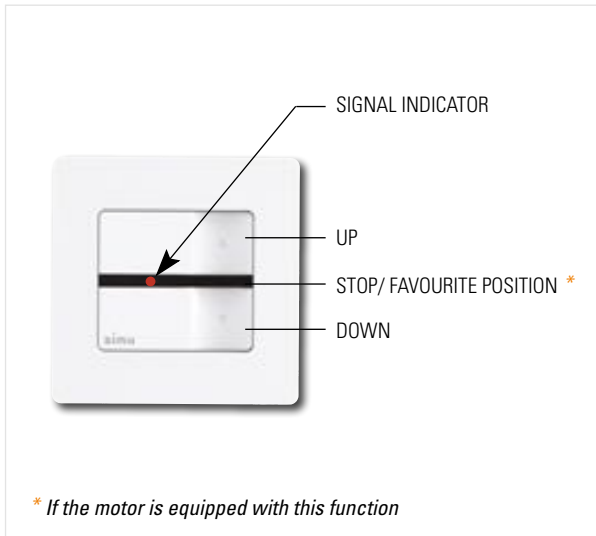
**9 COLOURS AVAILABLE**

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

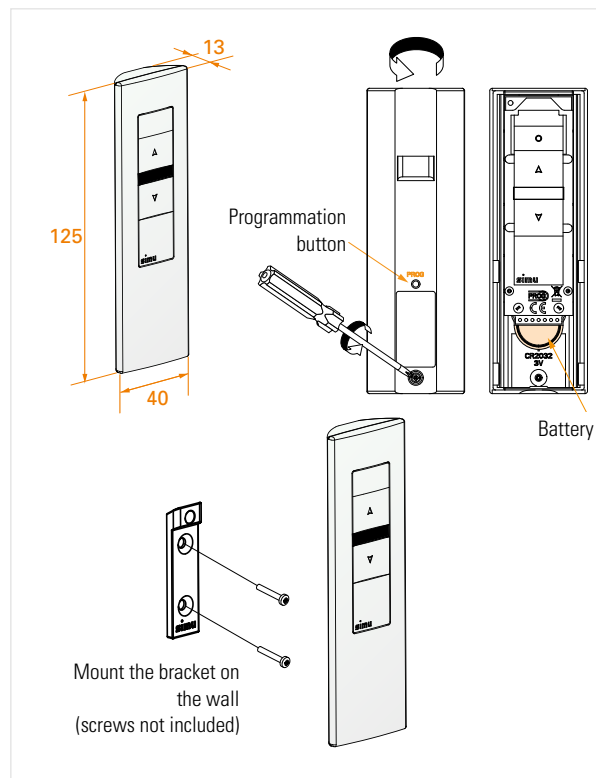
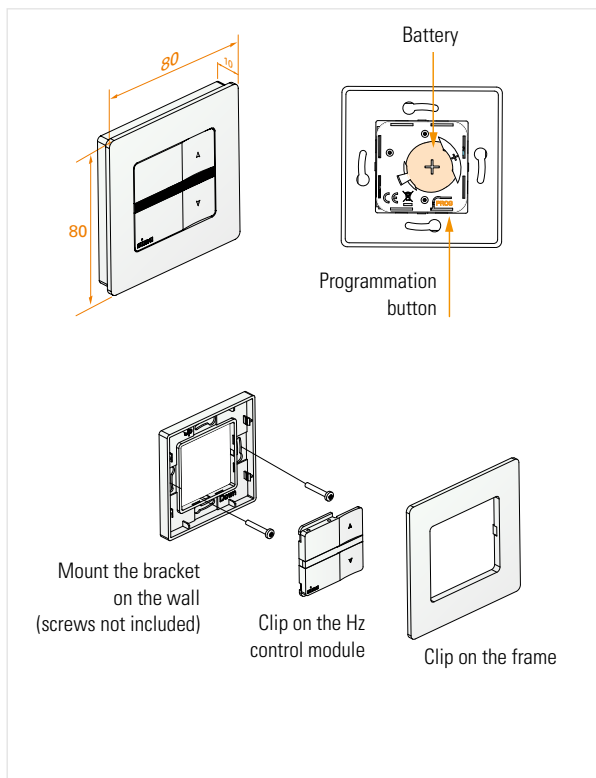
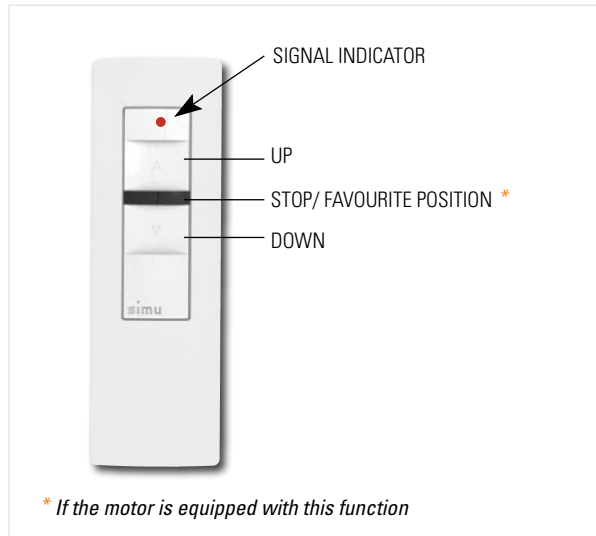
The frames are packaged individually

## 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
<b>MEMORY HZ WALL TRANSMITTER</b>	<b>2008732</b>

*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.

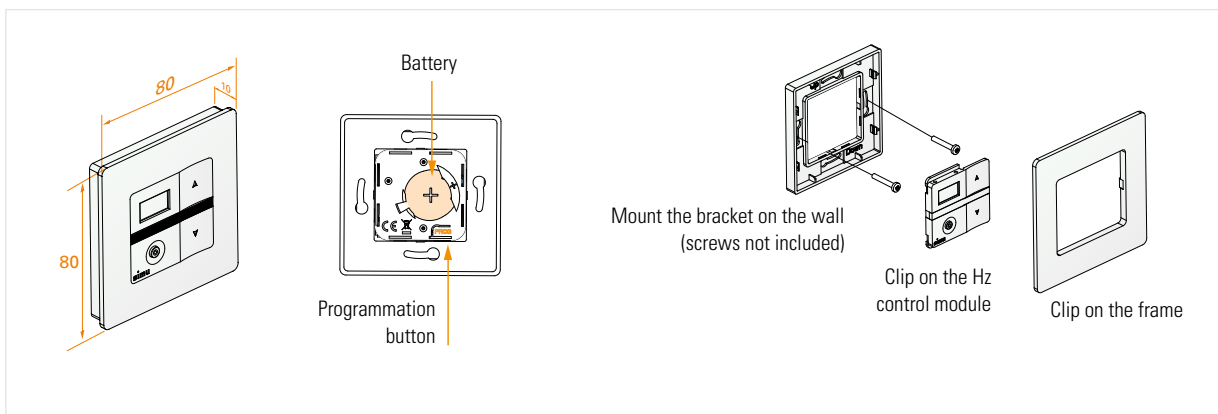
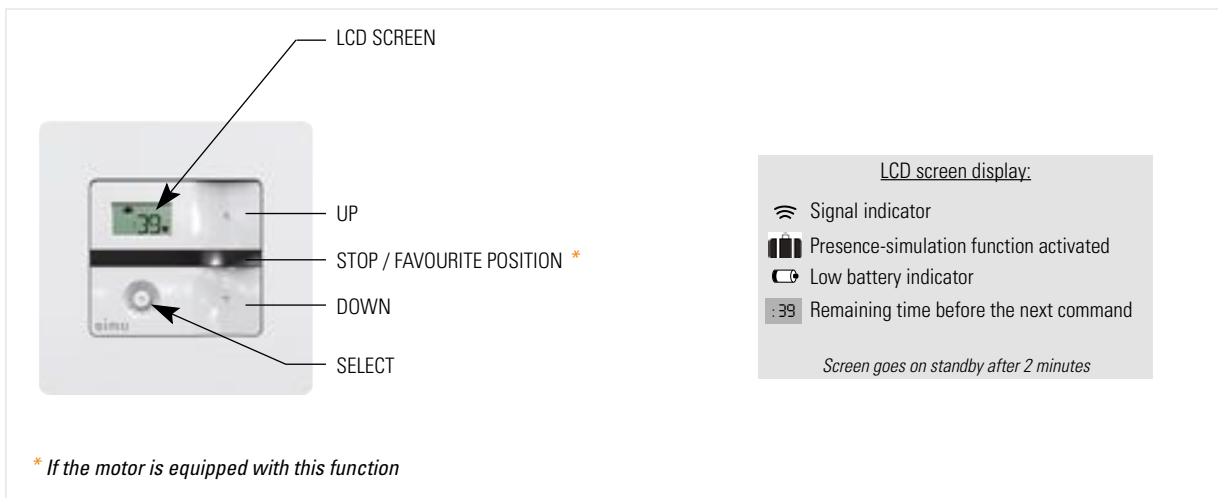
### COLLECTION OF COLOURED FRAMES TO CUSTOMIZE THE TRANSMITTER

**9 COLOURS AVAILABLE**

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

The frames are packaged individually

## TECHNICAL CHARACTERISTICS



- 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



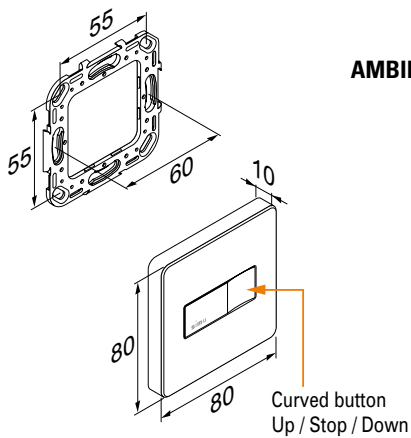
### SEQUENTIAL Hz TRANSMITTER - 1 CHANNEL

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

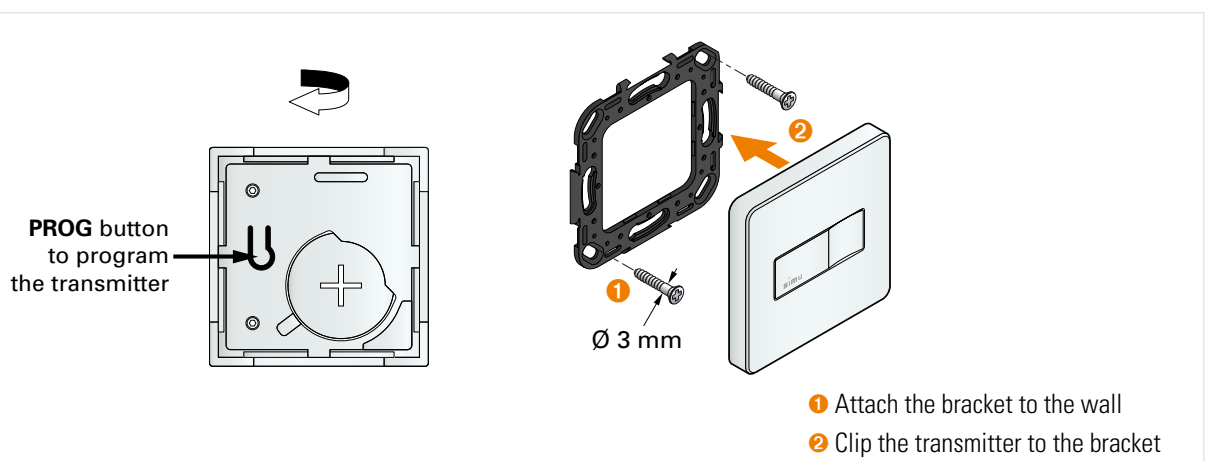
### SPECIFICATION



- 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



# 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
<b>DRY CONTACT Hz TRANSMITTER</b>	<b>2006020</b>
ACCESSORIES	REFERENCE
<b>Surface mounting box</b>	<b>9154122</b>

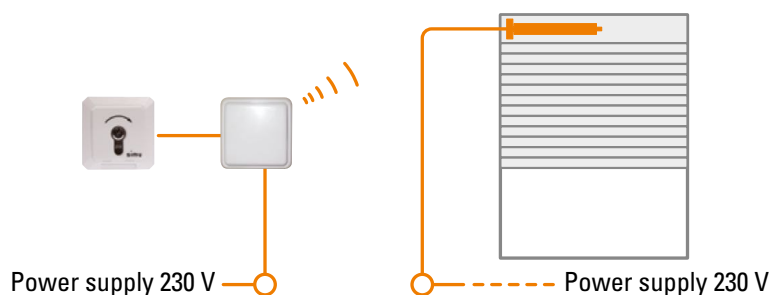
## SPECIFICATION

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







### 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
<b>Micro-Transmitter Hz for roller shutter RS</b>	<b>2008519</b>
<b>Micro-Transmitter Hz for lighting SEQ</b>	<b>2008518</b>

*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.

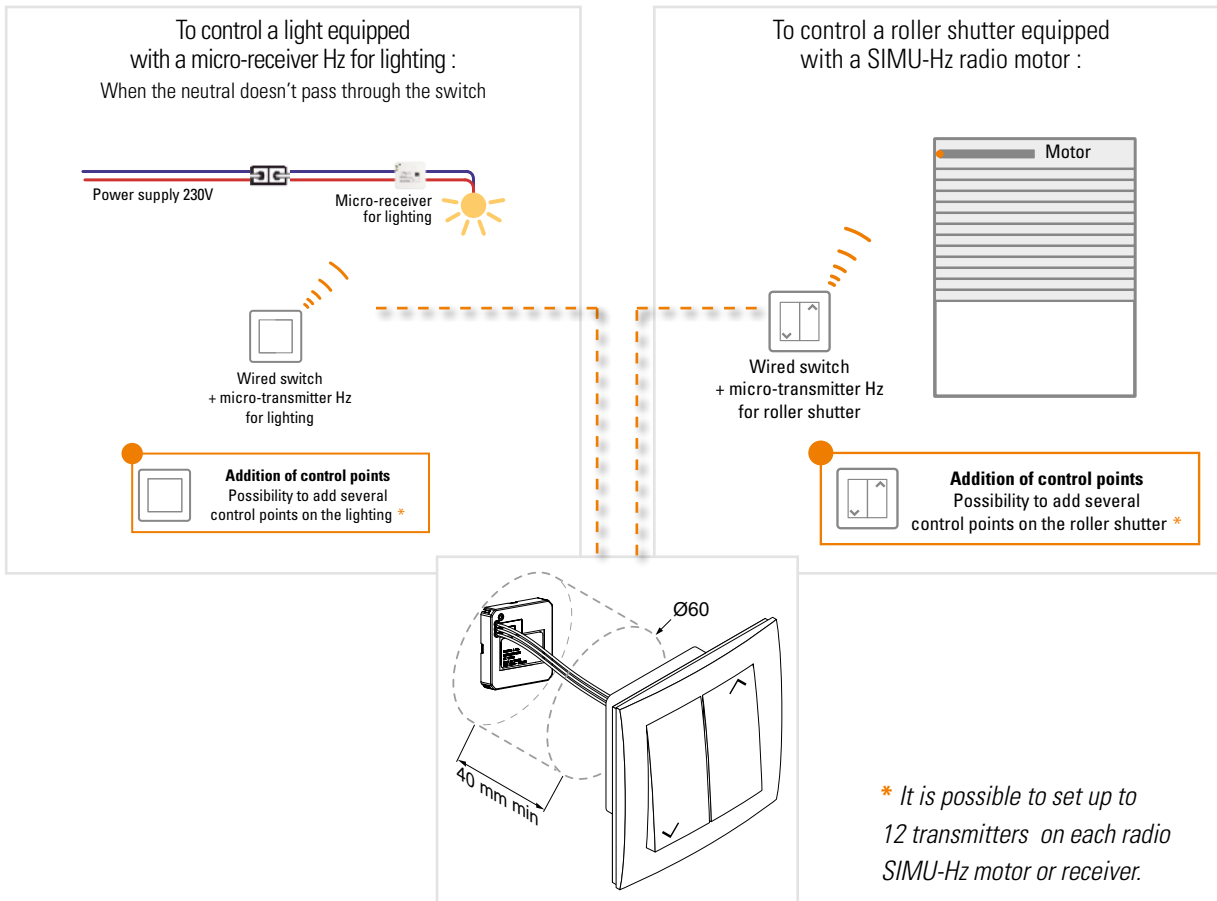
**UNIVERSAL**, it is compatible with any switch of the market (stable or unstable) and it keeps their operating mode.

**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

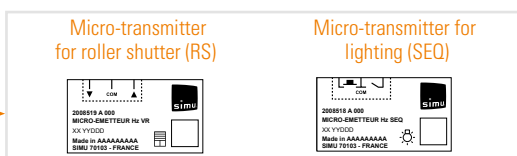
<b>CLASS</b>	III
<b>POWER SUPPLY</b>	lithium type 3V CR2430
<b>AMBIENT TEMPERATURE OF USE</b>	0°C to +45°C
<b>PRODUCT DIMENSIONS</b>	45 x 45 x 9 mm
<b>PROTECTION INDEX</b>	IP 30
<b>RADIO FREQUENCY</b>	433,42 MHz - radio SIMU-Hz
<b>RANGE</b>	20 m through 2 reinforced concrete walls, depends on the environment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

### RS VERSION :

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

### SEQ VERSION:

<b>RADIO COMPATIBILITY</b>	Compatible with the micro-receiver for lighting and with SIMU-Hz receivers and motors
<b>SWITCH COMPATIBILITY</b>	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

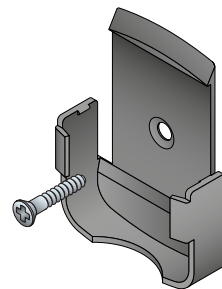
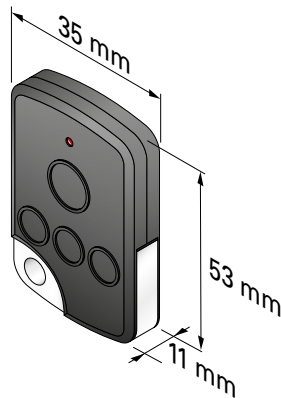
DESCRIPTION	REFERENCE		
	x 1	x 10	x 16
TSA+ Hz 4C (sold with support)	2007846	-	2008038
Wall support	-	2008886	-



Wall support



## SPECIFICATION



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



# RADIO CONTROLS



## TSA 2 REMOTE CONTROL



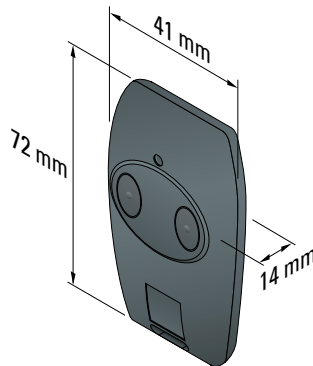
### 2 CHANNEL REMOTE CONTROL

USE:

- Control in sequential mode, up to 2 receivers SD100Hz

DESCRIPTION	REFERENCE
TSA Hz 2C	2005326

## SPECIFICATION



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



# RADIO CONTROLS

## SA Hz RADIO KEYPAD



*Easy to install. Without wiring.  
Backlit keys*

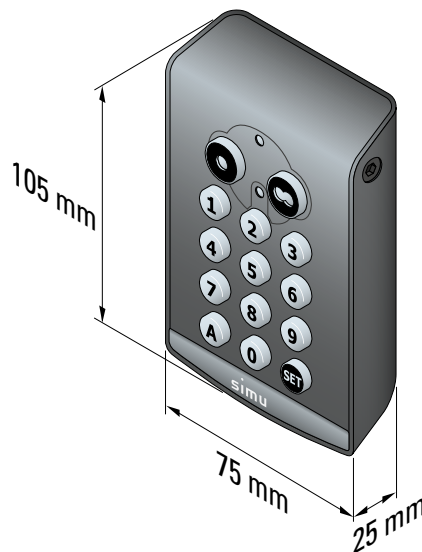
### USE:

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



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





# 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
<b>5 C WALL HZ TRANSMITTER</b>	<b>2008335</b>
<b>5 C MOBILE HZ REMOTE CONTROL</b>	<b>2008798</b>

*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

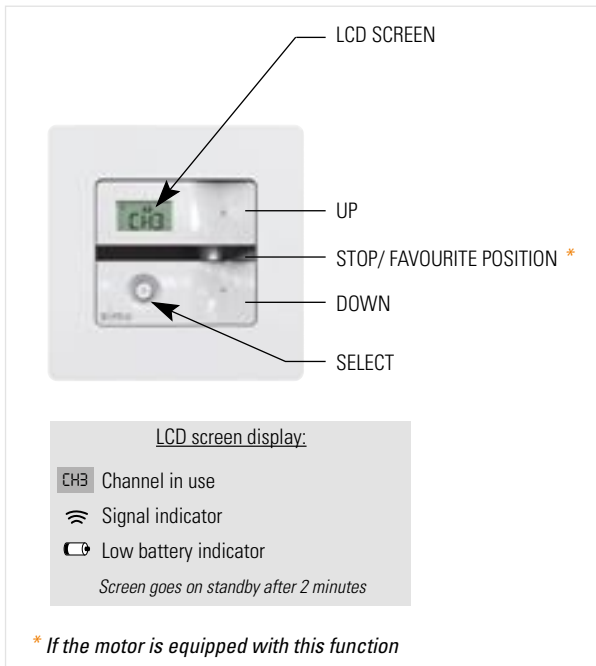
**9 COLOURS AVAILABLE**

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

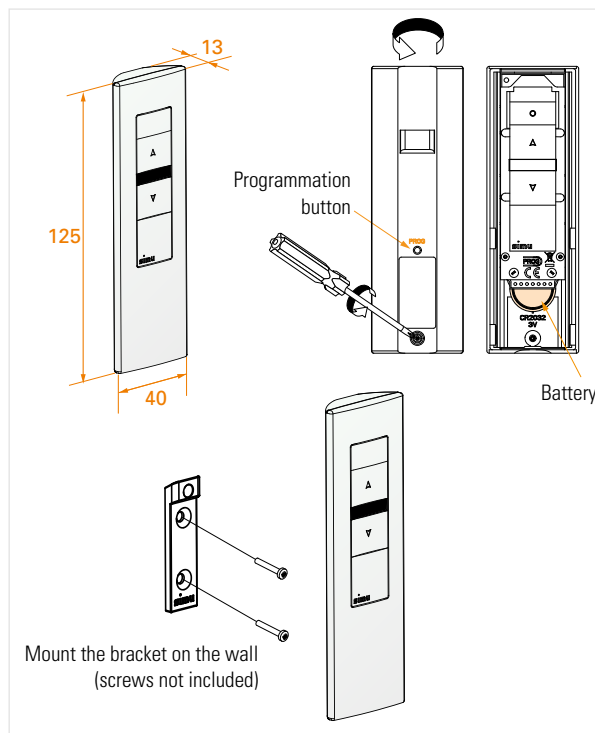
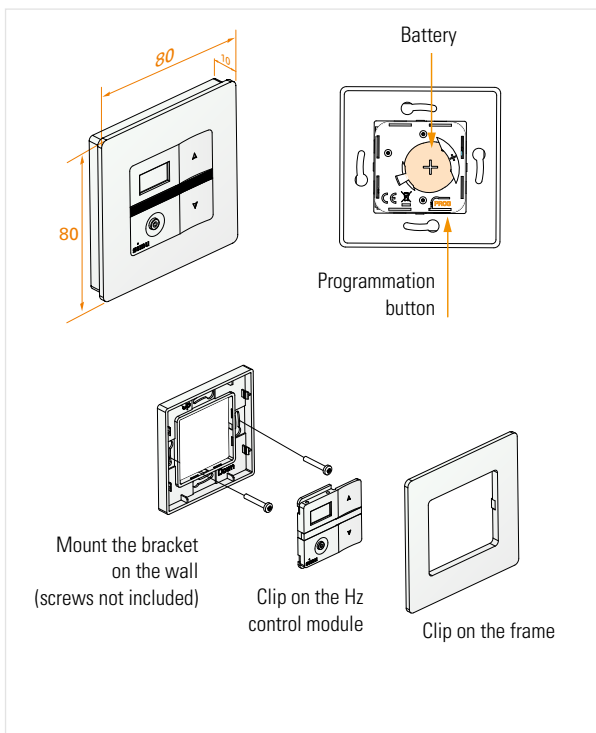
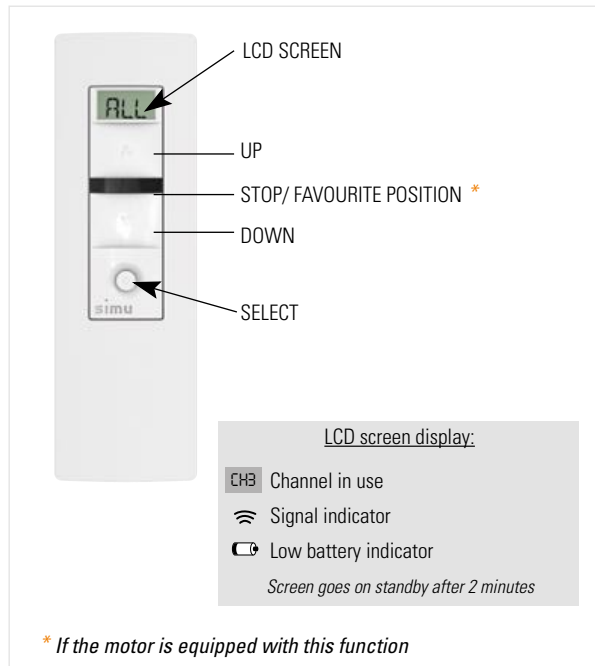
The frames are packaged individually

## 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







## 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
<b>COLOR MULTI remote control</b>	White	<b>2007348</b>

*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!

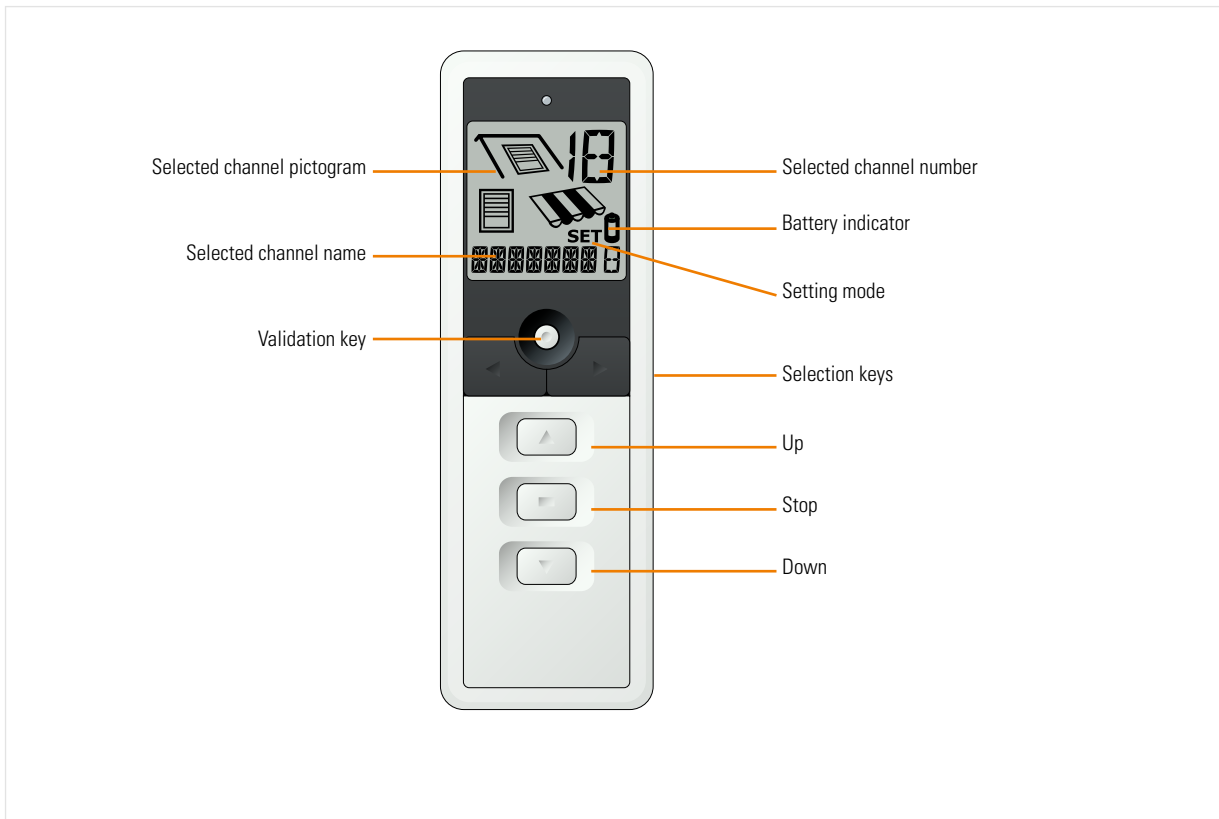
**THE LCD SCREEN SERVING SIMPLICITY:** Thanks to the information on this screen, you always know everything about the product working or in programming.

**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...)

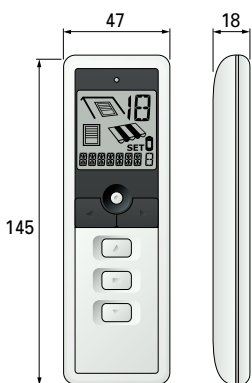
## OPERATING PRINCIPLE

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



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





### 1 CHANNEL PROGRAMMABLE REMOTE CONTROL

USE:

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

DESCRIPTION	COLOUR	REFERENCE
<b>TIMER EASY remote control</b>	White	<b>2008188</b>

*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.

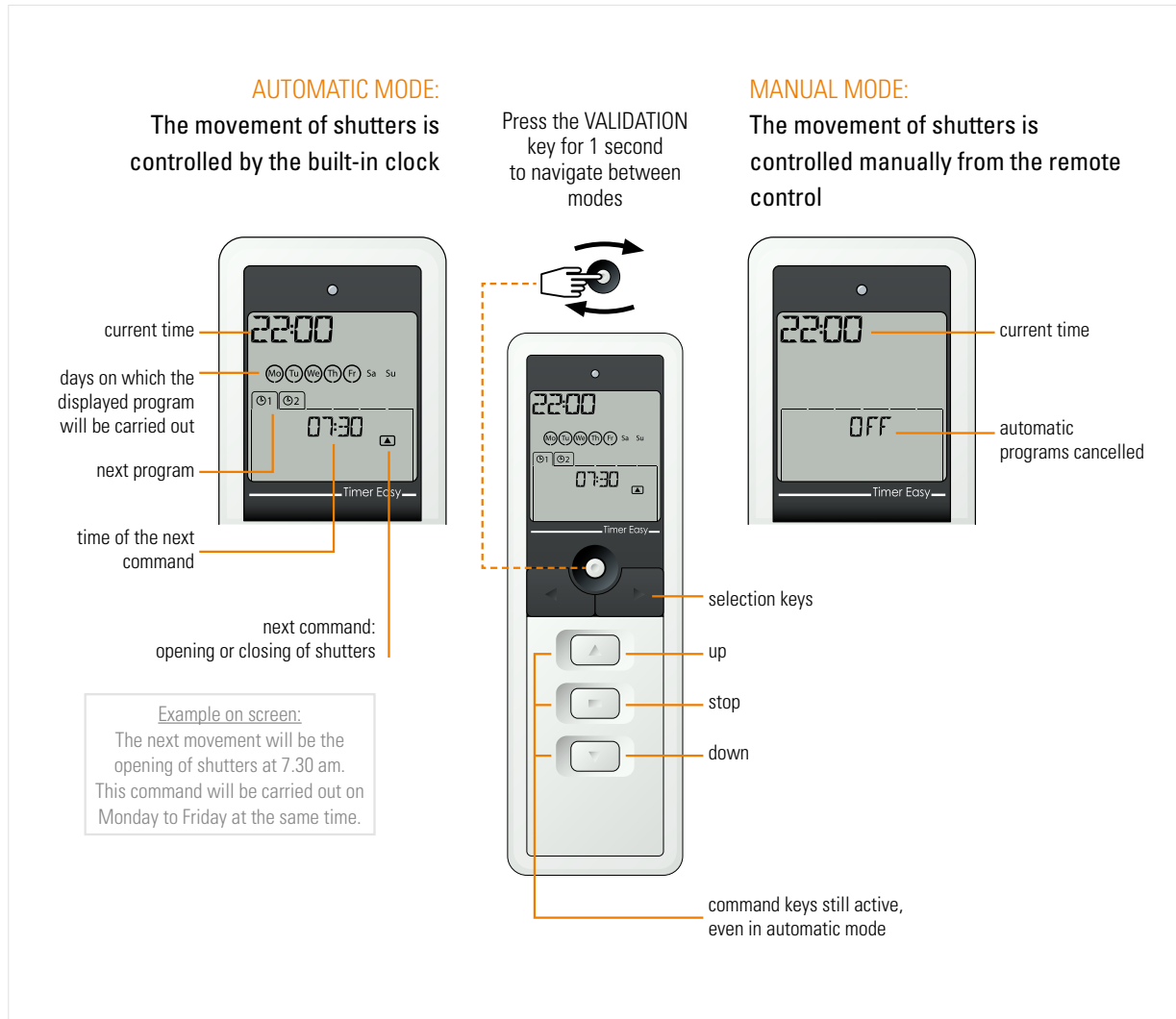
**MORE SAFETY:** When you are away, the house will appear lived-in thanks to the occupant presence simulation which, when activated, randomly shifts the preset opening and closing times by 0 to +30 minutes.

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

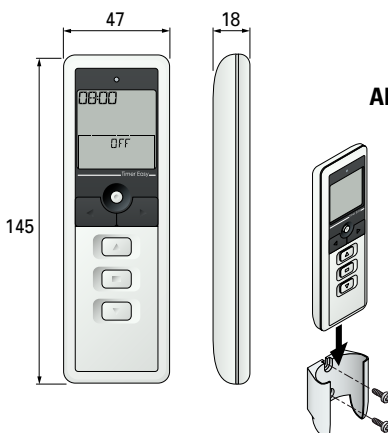
## OPERATING PRINCIPLE

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



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





### 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
<b>TIMER MULTI remote control</b>	White	<b>2007830</b>

*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.

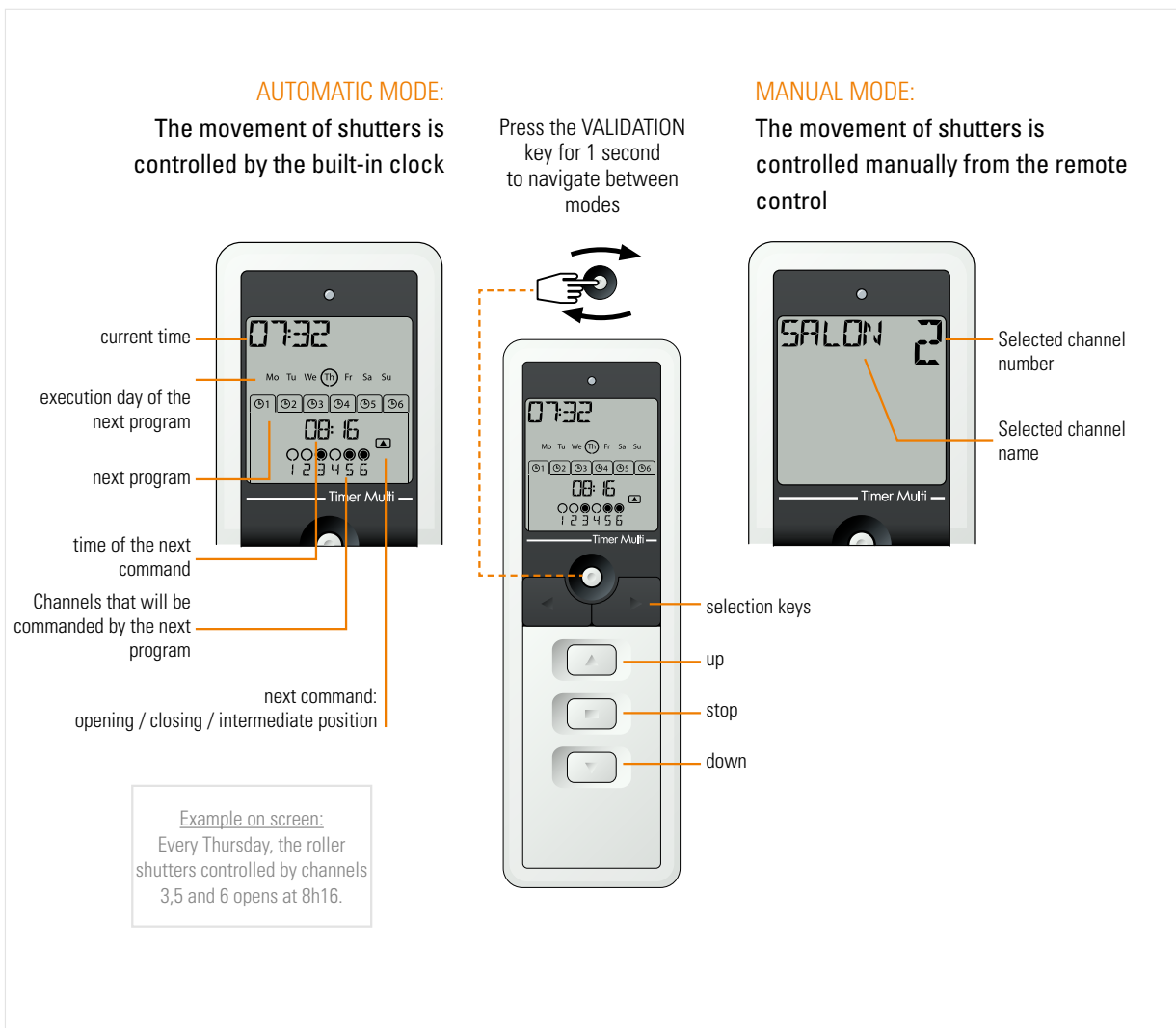
**SIMPLIFIED PROGRAMMING:** the "copy/paste" function allows the programming to be quickly duplicated, when they are the same for several days of the week.

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

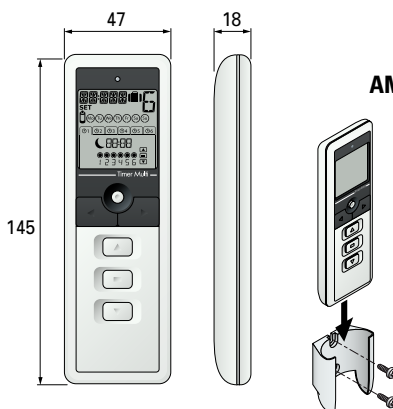
**FLEXIBLE USE:** TIMER Multi can easily be switched off at any time and used only as a manual centralised system.

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

## OPERATING PRINCIPLE



## SPECIFICATION



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

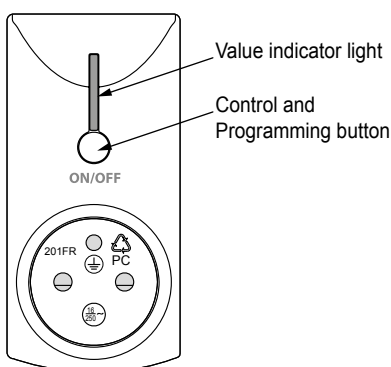
The ON / OFF remote control plug may be inserted into any mains socket and paired very simply to transmitters through its front programming button.

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



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





# RADIO RECEIVER

## MICRO-RECEIVER HZ FOR ROLLER SHUTTERS



### EXTERNAL RADIO RECEIVER

...for modernization or new installation

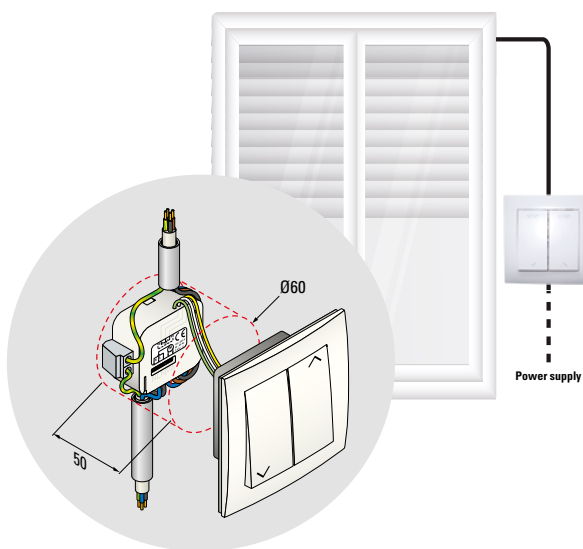
#### USE:

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

DESCRIPTION	REFERENCE	
	x1	x10
<b>Micro-receiver Hz for roller shutters</b>	<b>2008191</b>	<b>2008192</b>

*Delivered with 3 connection wires to the switch.*

## FUNCTIONS AND PRODUCT BENEFITS



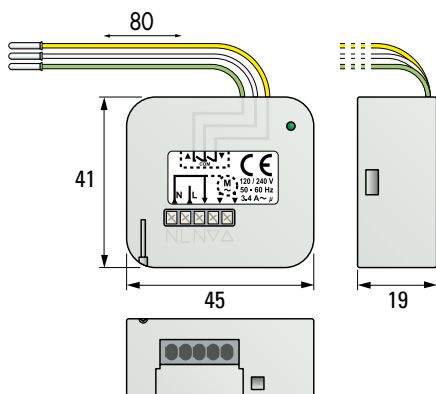
#### QUICK AND EASY TO INSTALL:

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



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



# RADIO RECEIVER



## MICRO-RECEIVER HZ FOR LIGHTING

### EXTERNAL RADIO RECEIVER

...for lighting

USE:

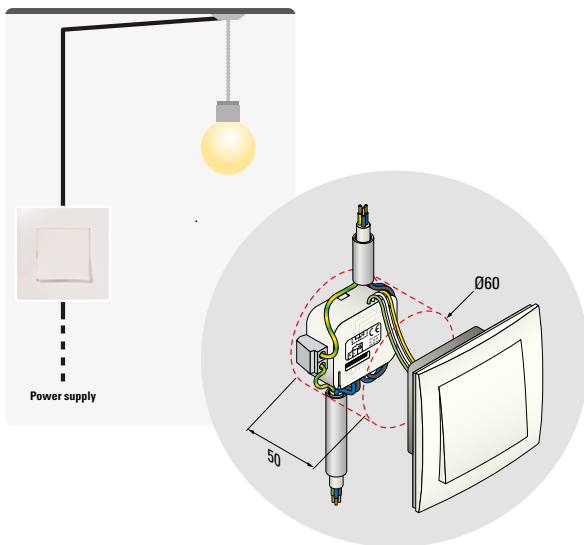
- allows the control of a light with SIMU-Hz radio technology,  
**while retaining the original wired switch in instable mode.**



DESCRIPTION	REFERENCE
<b>Micro-receiver Hz for lighting</b>	<b>2008193</b>

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

### FUNCTIONS AND PRODUCT BENEFITS



**QUICK AND EASY TO INSTALL:**

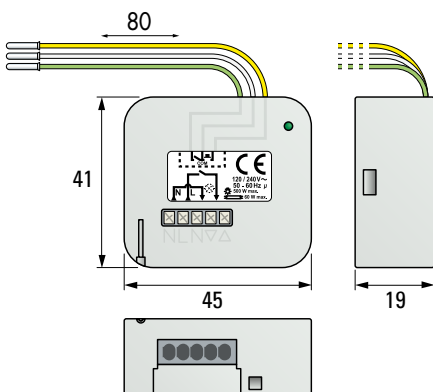
Thanks to its compact size and automatic terminal block, it fits behind the switch in the electrical wallbox (Recommended wallbox depth: 50 mm minimum).

**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



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



# RADIO RECEIVER

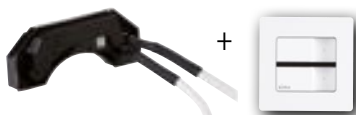
## Hz RECEIVER



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
<b>Hz RECEIVER (for all wired motors)</b>	<b>2004873</b>	<b>2004872</b>
<b>Hz RECEIVER (for T5 Auto and T5 E motors)</b>	<b>2004875</b>	<b>2004874</b>

### RECEIVER Hz + TRANSMITTER KIT

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

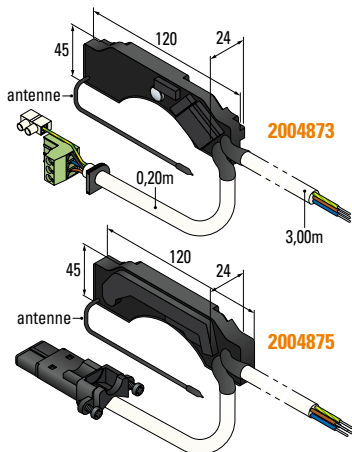
## FUNCTIONS AND PRODUCT BENEFITS

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.

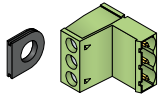
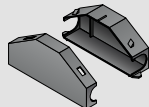
## SPECIFICATION



<b>POWER SUPPLY</b>	230 V - 50 Hz
<b>AMBIENT TEMPERATURE OF USE</b>	-30°C / +80°C
<b>PROTECTION INDEX</b>	IP 44
<b>RADIO FREQUENCY</b>	433.42 MHz
<b>COMPATIBILITY MOTOR</b>	With T3.5, T5 and DMI5 (réf. <b>2004873</b> ) and T5 AUTO (réf. <b>2004875</b> )
<b>TRANSMITTER COMPATIBILITY</b>	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	<b>9011670</b>
	Box for terminal block - IP44	<b>2005028</b>

# 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
<b>LED DC Hz receiver</b>	<b>2008405</b>

## 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.

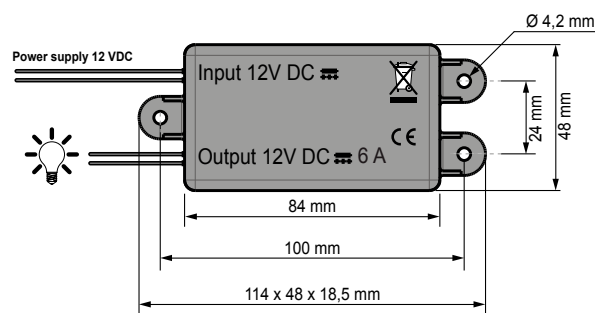
You can also set a favorite light level and then reach it by simply pushing the stop button.

### 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



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

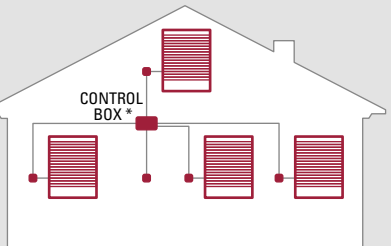


TIMER AC  
Programmable clock timer  
Daily / Weekly  
page 134



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

## BY CONTROL BOX



Switch  
APEM

page 140

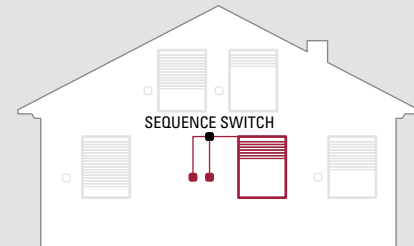
### ACCESSORIES



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

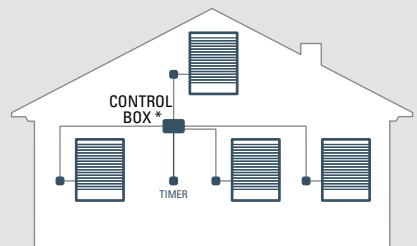
### ACCESSORIES



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
<b>TIMER AC</b>	<b>2008420</b>
Sun / Twilight sensor	<b>2008800</b>
Surface mounting box	<b>2210076</b>

## 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.

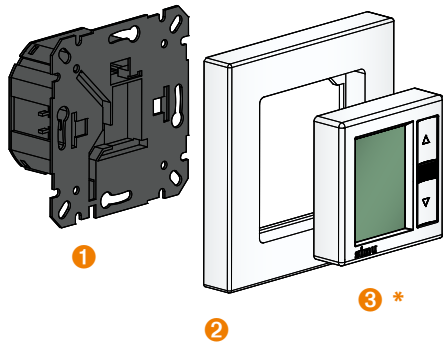
**SECURITY WHEN YOU'RE AWAY** thanks to its presence simulation function which varies the programmed schedules randomly.

**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

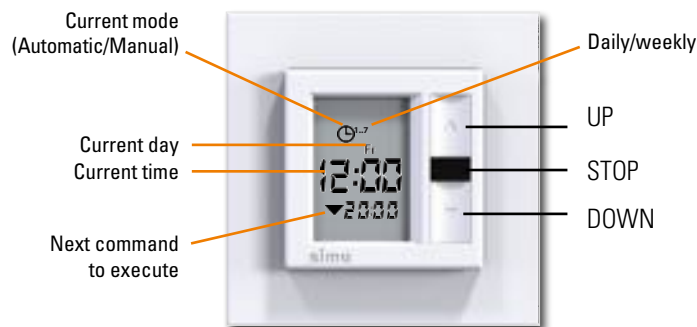



Surface mounting box  
Ref 2210076



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
<b>MEMORY AC</b>	<b>2008419</b>
Surface mounting box	<b>2210076</b>

## FUNCTIONS AND PRODUCT BENEFITS

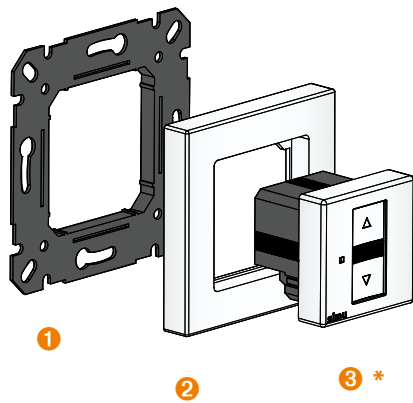
**COMFORT AND SECURITY:** no more concerns about opening or closing the roller shutters. Thanks to the 24-hour cycle repetition function, it will automatically open and close each day at the same time.

**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.

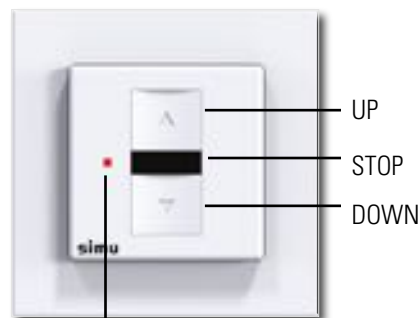
See the surface mounted box in the "compatible accessories" section mentioned below.

### COMPATIBLE ACCESSORIES




Surface mounting box  
Ref 2210076

## SPECIFICATION



LED ON: Repetition mode enabled  
LED OFF: Repetition mode disabled

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

# WIRED CONTROLS

## PM3 SWITCHES – 230V

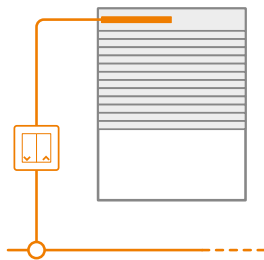
### NOTE

**STABLE SWITCH:** simply press down once to activate.

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

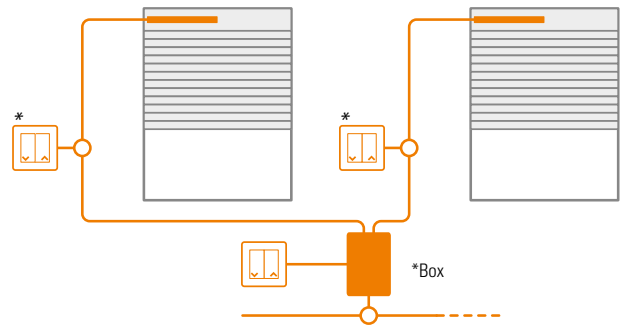
### USE:

- 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
<b>PM3</b>	stable	<b>2007244</b>

*Product delivered complete (front plate + mechanism)*



Dimensions: 86 x 86mm

### UNSTABLE

DESCRIPTION	VERSION	REFERENCE x10
<b>PM3</b>	unstable	<b>2007246</b>

*Product delivered complete (front plate + mechanism)*



ACCESSORIES	REFERENCE x10
<b>Surface mounting box</b>	<b>9015196</b>

# WIRED CONTROLS

## APEM SWITCH – 230V

### NOTE

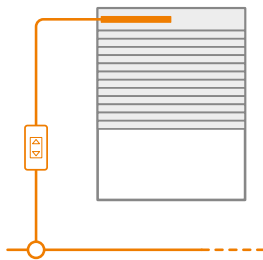
**STABLE SWITCH:** simply press down once to activate.

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

### UNIPOLAR APEM

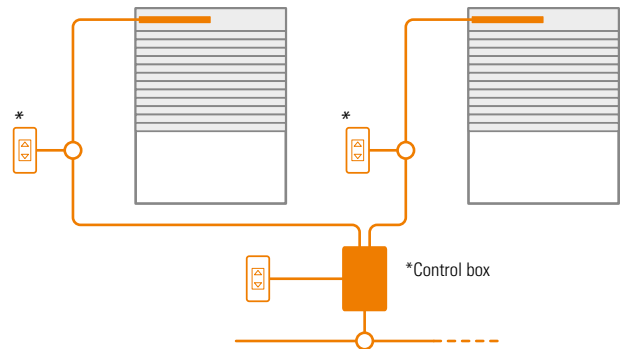
#### USE:

- 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

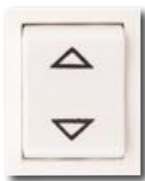
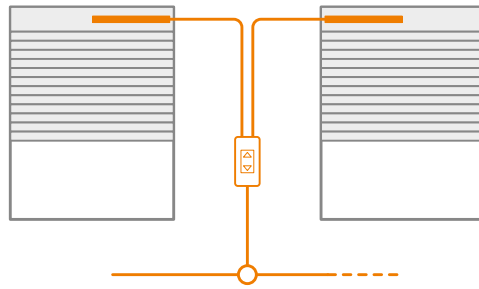
DESCRIPTION	VERSION	REFERENCE x1	REFERENCE x60
<b>UNIPOLAR APEM</b>	stable	2001458	2001462
<b>UNIPOLAR APEM</b>	unstable	2001459	-

DESCRIPTION	VERSION	REFERENCE x1
<b>UNIPOLAR APEM + PM2 BOX</b>	stable	2001466
<b>UNIPOLAR APEM + PM2 BOX</b>	unstable	2001467

## BIPOLAR APEM

### USE:

- Control of 2 motors



SINGLE BIPOLAR MECHANISM

DESCRIPTION	VERSION	REFERENCE
<b>BIPOLAR APEM</b>	stable	<b>2001460</b>
<b>BIPOLAR APEM</b>	unstable	<b>2001461</b>



BIPOLAR APEM INSIDE PM2 BOX

Dimensions: 43 x 80mm

DESCRIPTION	VERSION	REFERENCE
<b>BIPOLAR APEM + PM2 BOX</b>	stable	<b>2001468</b>

## 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

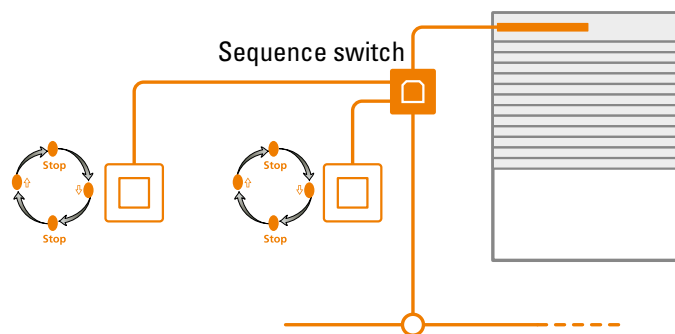
### NOTE

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
<b>PUSH BUTTON SIMU</b>	<b>2006756</b>



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
<b>Screw-mounted mechanism LEGRAND MOSAÏC</b>	Push Button	<b>2006872</b>
<b>Cramp-mounted mechanism LEGRAND MOSAÏC</b>	Push Button	<b>2006875</b>

*Attention: Mechanism and front plate sold separately*

ACCESSORIES	REFERENCE
<b>Mosaic front plate</b>	<b>9014519</b>
<b>Surface mounting box</b>	<b>9014520</b>



Dimensions: 44 x 44 x 23mm

## SEQUENCE SWITCH FOR MULTIPOINT CONTROL

For motor up to 220W  
Power supply: 230 Vac

DESCRIPTION	REFERENCE
<b>Sequence switch</b>	<b>2001477</b>

*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
<b>Stable narrow switch</b>	<b>2006226</b>	<b>1800066</b>



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
<b>Universal key box</b>	<b>2004964</b>

*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
<b>Key switch</b>	<b>2006752</b>

*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
<b>Stable</b>	<b>2006753</b>
<b>Unstable</b>	<b>2006754</b>
<b>Mixed</b>	<b>2006755</b>

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

# WIRED CONTROLS

## CONTROL BOX – 230V



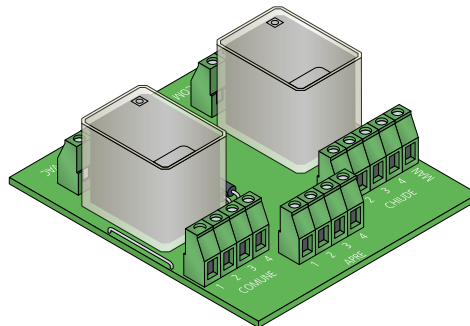
### GROUPED CONTROL BOX - 4 MOTORS

DESCRIPTION	REFERENCE
Grouped control box - 4 motors	2006436

WITHOUT DELAY TIME  
Dimensions: 150 x 110 x 75mm

Individual controls with stable switches are possible but the group control is prioritized.  
Possibility to assemble several control boxes in parallel.

## SPECIFICATION



#### BOX WITHOUT DELAY TIME

<b>CLASS</b>	II
<b>POWER SUPPLY</b>	230 VAC - 50/60 Hz
<b>MAX SWITCHABLE POWER</b>	4 motors of 280W or 2 motors of 450W
<b>PROTECTION INDEX</b>	IP44
<b>AMBIANT TEMPERATURE OF STORAGE</b>	- 20°C / + 70°C
<b>AMBIANT TEMPERATURE OF USE</b>	- 10°C / + 50°C



# WIRED CONTROLS

## FOR DIRECT CURRENT MOTORS – 12/24V

### NOTE

#### STABLE SWITCH:

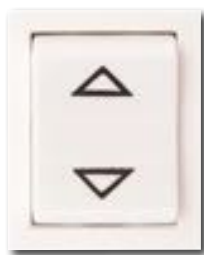
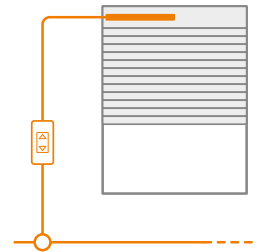
simply press down once to activate.

#### UNSTABLE SWITCH:

the switch must be held down throughout the action.

### USE:

- Individual control










UNIPOLAR MECHANISM

### SWITCH WITHOUT TRANSFORMER

DESCRIPTION	VERSION	REFERENCE
<b>UNIPOLAR APEM MECHANISM</b>	stable	<b>2001500</b>
<b>UNIPOLAR APEM MECHANISM</b>	unstable	<b>2001501</b>

## 3 POSSIBLE ASSEMBLIES

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

# WIRED CONTROLS

## WALL BOXES



DESCRIPTION	REFERENCE
<b>Wallbox for sealing</b>	<b>9604500</b>



DESCRIPTION	REFERENCE
<b>Wallbox for plaster board wall</b>	<b>9604512</b>





MANUAL

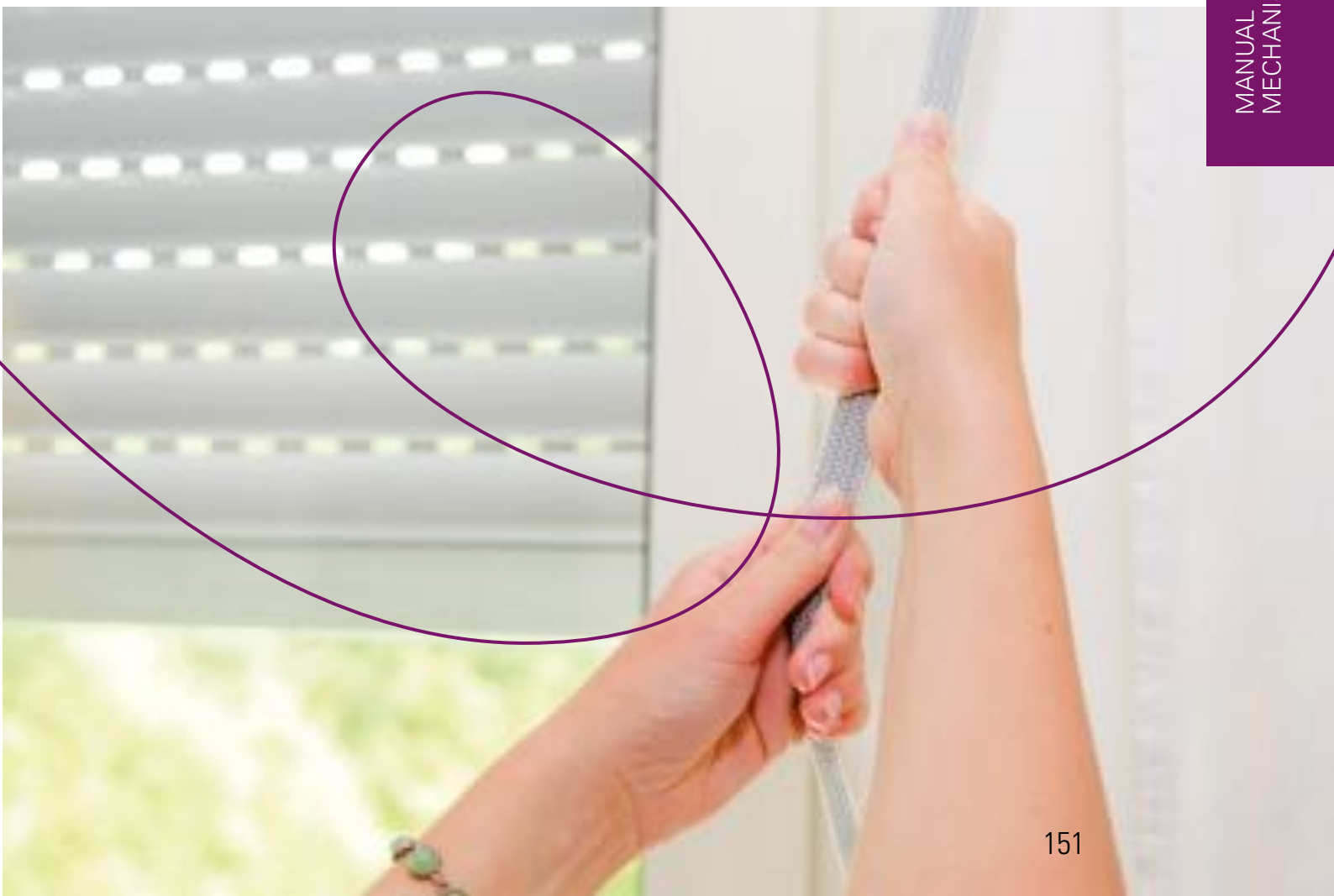
MECHANISMS

GEARS p.152

OPERATION BY BELT / PULLEY p.166

OPERATION BY CORD / GEAR p.168

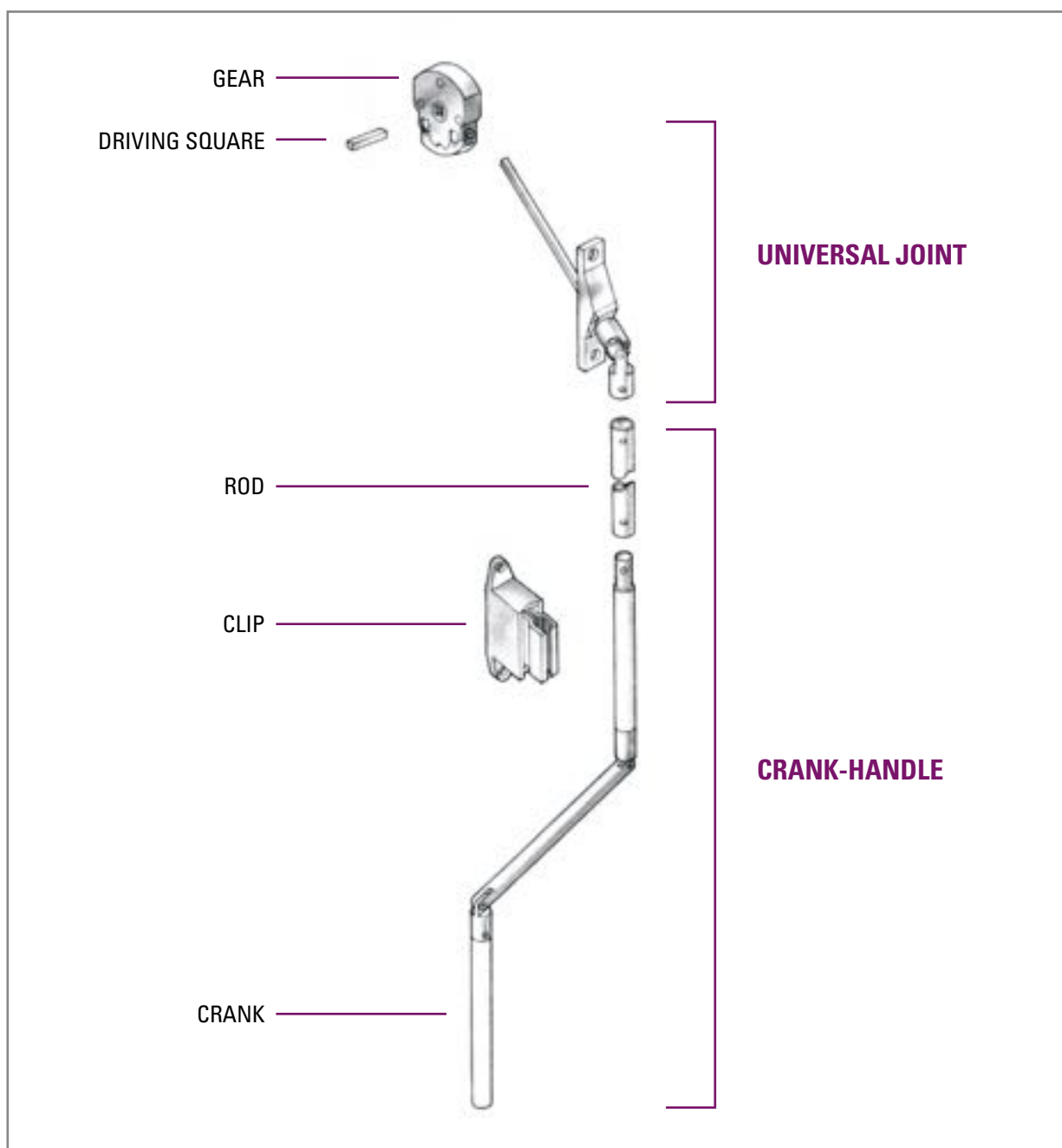
OPERATION BY DIRECT PULLING / BALANCING SPRING p.170



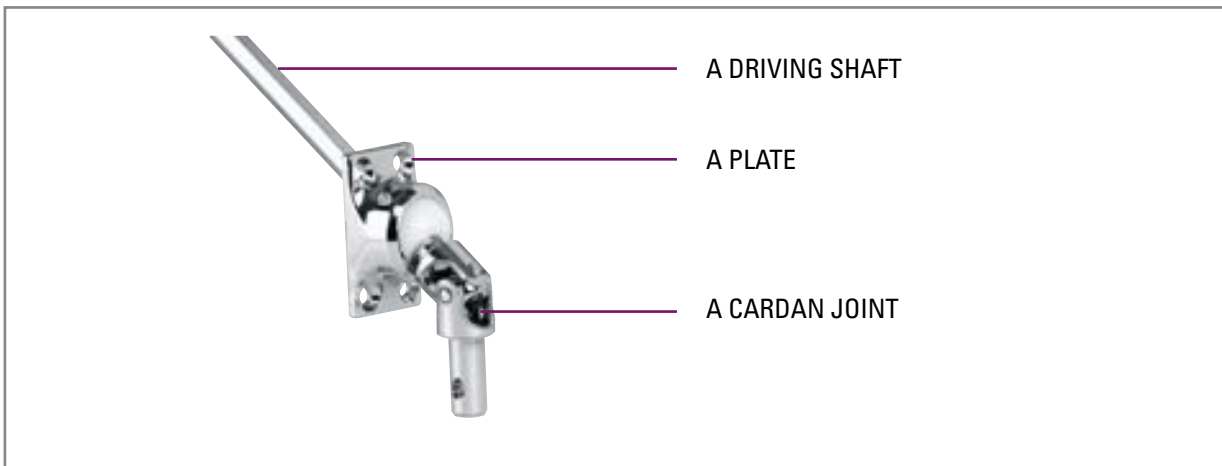


## OPERATION BY CRANK / GEAR

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


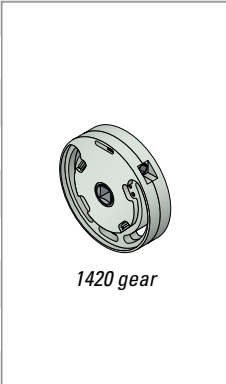




**AN UNIVERSAL JOINT CONSISTS OF:**





# 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	<a href="#">2002028</a>
	1/5	10,6 Nm	Hexa 7	Square 10	yes	<a href="#">2002030</a>
	1/7	14,2 Nm	Square 6	Square 10	yes	<a href="#">2002038</a>
	1/7	14,2 Nm	Hexa 7	Square 10	yes	<a href="#">2002041</a>
 1420 gear	1/5	10,6 Nm	Square 6	Square 7	yes	<a href="#">2002010</a>
	1/5	10,6 Nm	Square 6	Square 10	yes	<a href="#">2002012</a>
	1/5	10,6 Nm	Hexa 6	Square 7	yes	<a href="#">2002013</a>
	1/5	10,6 Nm	Hexa 7	Square 7	yes	<a href="#">2002016</a>
	1/5	10,6 Nm	Hexa 7	Square 10	yes	<a href="#">2002018</a>
	1/7	14,2 Nm	Square 6	Square 10	yes	<a href="#">2002033</a>
	1/7	14,2 Nm	Hexa 7	Square 10	yes	<a href="#">2002035</a>
	1/7	14,2 Nm	Hexa 6	Square 7	no	<a href="#">2002037</a>
 1424 gear	1/5	8 Nm	Square 8	Square 10	yes	<a href="#">2002107</a>
	1/5	8 Nm	Square 8	Square 13	yes	<a href="#">2002108</a>
	1/5	8 Nm	Hexa 7	Square 10	yes	<a href="#">2002139</a>
	1/5	8 Nm	Hexa 7	Square 16	no	<a href="#">2002143</a>
	1/8	12 Nm	Hexa 7	Square 10	yes	<a href="#">2002140</a>
	1/8	12 Nm	Hexa 7	Square 16	yes	<a href="#">2002144</a>
	1/8	12 Nm	Hexa 7	Square 16	no	<a href="#">2002145</a>
	1/8	12 Nm	Square 8	Square 10	yes	<a href="#">2002112</a>
	1/8	12 Nm	Square 8	Square 13	yes	<a href="#">2002113</a>
	1/8	12 Nm	Hexa 10	Square 10	yes	<a href="#">2002115</a>
	1/11,5	20,8 Nm	Square 8	Square 10	yes	<a href="#">2002117</a>
	1/11,5	20,8 Nm	Hexa 7	Square 10	yes	<a href="#">2004051</a>
	1/11,5	20,8 Nm	Square 8	Square 13	yes	<a href="#">2002118</a>
	1/11,5	20,8 Nm	Square 8	Square 16	yes	<a href="#">2002119</a>
	1/11,5	20,8 Nm	Hexa 7	Square 16	yes	<a href="#">2002146</a>
1/11,5	20,8 Nm	Hexa 7	Square 16	no	<a href="#">2002147</a>	
	Core : Male square 16 / hole 12 - gear side Male square 13 / Female square 7 - driving side <i>The gear and the core are separately sold</i>					<a href="#">2002392</a>

## GEARS

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

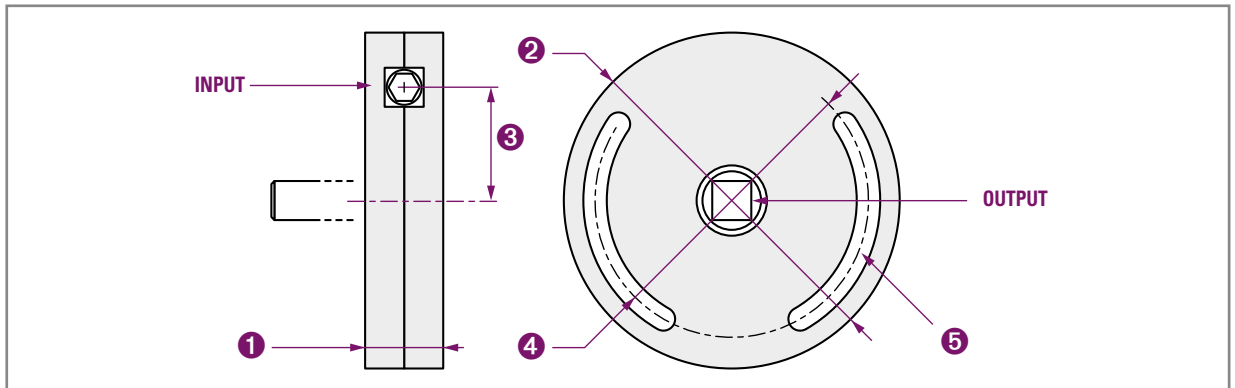
## DISENGAGEABLE GEARS

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

### 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	
<b>GEAR THICKNESS</b> ①	20 mm	24 mm	23 mm	23 mm	23 mm	22 mm	22 mm
<b>GEAR DIAMETER</b> ②	86 mm	120 mm	82 mm	90 mm	100 mm	99 mm	130 mm
<b>AXLE DISTANCE</b> output/input ③	29 mm	33 mm	25 mm	27 mm	32 mm	28,5 mm	40 mm
<b>INTER-AXLE OF THE FIXATION SCREW</b> ④	70 mm	90 mm	66 mm	66 mm	66 mm	56 mm	90 mm
<b>FIXATION SCREW Ø</b> ⑤	5 mm	6 mm	6 mm	6 mm	6 mm	4 mm	4 mm
<b>MAXI TORQUE OF INPUT</b>	3,5 Nm	4,5 Nm	3,5 Nm	3,5 Nm	3,5 Nm	4,5 Nm	4,5 Nm
<b>CASING BOX MATERIAL</b>	Zamac	Resin	Resin	Resin	Resin	Glass fibre reinforced polyamide, black	
<b>DRIVE HUB MATERIAL</b>	Steel	Steel	Zamac	Zamac	Steel	Polyamide	POM
<b>SCREW MATERIAL</b>	Steel	Steel	Steel	Steel	Steel	Polyacetal	Treated steel
<b>BRAKE</b>	yes	Adjustable	yes	yes	yes	yes	yes
<b>END-LIMIT CAPACITY</b>	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.

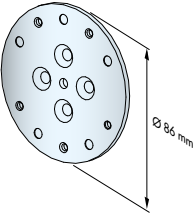
Please ask us about any specific cases.



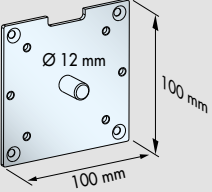
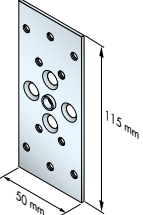
The ACE GAVIOTA gears are designed for use with GAVIOTA SIMBAC universal joint. Any other branded universal joint must be tested as we do not guarantee compatibility.

## GEAR ACCESSORIES


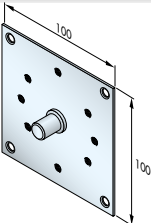
### 1420 GEAR BRACKET

BRACKET	DESCRIPTION	REFERENCE
	Bracket for SIMU TRADITIONNAL SYSTEM	2003603

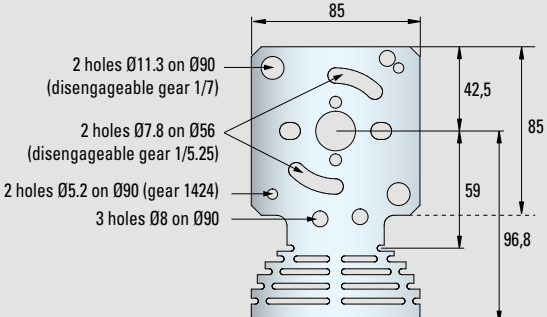
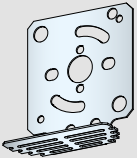
### 1424 GEAR BRACKETS

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

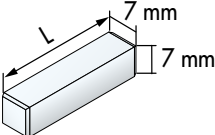
### ACE GEAR BRACKETS

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

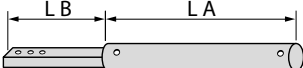
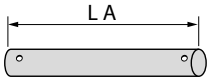
### DISENGAGEABLE GEAR BRACKETS

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

## DRIVING SQUARE

PRODUCT	DESCRIPTION	LENGTH	PACKAGING	REFERENCE
	Square 7	length 41 mm	50	<a href="#">2002503</a>
	Square 7	length 30 mm	1	<a href="#">2002513</a>
	Square 7	length 30 mm	50	<a href="#">2006407</a>
	Square 7	length 35 mm	1	<a href="#">2002502</a>
	Square 7	length 35 mm	50	<a href="#">2006405</a>


## ROD

PRODUCT	DESCRIPTION	LENGTH A	LENGTH B	REFERENCE
	Square 6 / Round 10	50 mm	61 mm	<a href="#">2002508</a>
	Round 10	50 mm	-	<a href="#">2002504</a>

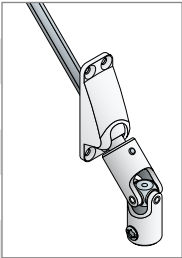
## RING SET

PRODUCT	DESCRIPTION	INPUT	REFERENCE
	Ring set for direct assembly onto gear	6mm square gear input	<a href="#">2004486</a>
	Ring set for direct assembly onto gear	7mm hexa gear input	<a href="#">2004487</a>

## HOOK

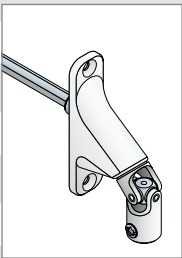
PRODUCT	DESCRIPTION	REFERENCE
	Hook for Ø 12mm crank rod. To be assembled with a sleeve. Ref. 2008132 or 2008133	<a href="#">2004482</a>

**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	<b>2008071</b>
	60° universal joint for Ø 12mm rod	White	square 6 rod	315 mm	<b>2008072</b>
	60° universal joint for Ø 12mm rod	White	square 8 rod	315 mm	<b>2008073</b>
	60° universal joint for Ø 12mm rod	Grey	hexa 7 rod	315 mm	<b>2008074</b>
	60° universal joint for Ø 12mm rod	Grey	square 6 rod	315 mm	<b>2008075</b>
	60° universal joint for Ø 12mm rod	Grey	square 8 rod	315 mm	<b>2008076</b>

**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	<b>2008066</b>
	90° universal joint for Ø 12mm rod	White	square 6 rod	300 mm	<b>2008070</b>
	90° universal joint for Ø 12mm rod	White	square 8 rod	350 mm	<b>2008068</b>
	90° universal joint for Ø 12mm rod	Grey	hexa 7 rod	355 mm	<b>2008065</b>
	90° universal joint for Ø 12mm rod	Grey	square 6 rod	300 mm	<b>2008069</b>
	90° universal joint for Ø 12mm rod	Grey	square 8 rod	350 mm	<b>2008067</b>
	90° universal joint for Ø 12mm rod	Nickelé	hexa 7 rod	355 mm	<b>2008550</b>

**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	REFERENCE x 10
	Crank handle and rod	White	1800mm length	<b>2008124</b>	<b>2008125</b>
	Crank handle and rod	White	1400mm length	<b>2008126</b>	<b>2008127</b>
	Crank handle and rod	White	1100mm length	<b>2008128</b>	<b>2008129</b>
	Crank handle and rod	Grey	1800mm length	<b>2008118</b>	<b>2008119</b>
	Crank handle and rod	Grey	1400mm length	<b>2008120</b>	<b>2008121</b>
	Crank handle and rod	Grey	1100mm length	<b>2008122</b>	<b>2008123</b>

**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**

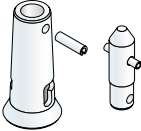
The length of the crank rod corresponds to the length of the single rod, without the crank handle.



## CRANK Ø 12 MM

PRODUCT	DESCRIPTION	COLOUR	REFERENCE
	Single crank	Grey	<b>2008077</b>
	Single crank	White	<b>2008078</b>

## COUPLING TUNNEL FOR CRANK ROD Ø 12 MM

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

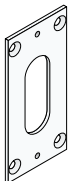
## CARDAN JOINT Ø 12 MM

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

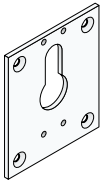
## CRANK CLIP Ø 12 MM

PRODUCT	DESCRIPTION	COLOUR	REFERENCE
	20 x 34mm crank clip	White	<b>2008081</b>
	20 x 34mm crank clip	Grey	<b>2008082</b>

## COVERING PLATE Ø 12 MM

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

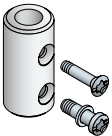
## COVERING PLATE Ø 12 MM

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

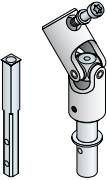
## HOOK Ø 12 MM

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

## SLEEVE Ø 12 MM

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


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

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


## RING Ø 12 MM

PRODUCT	DESCRIPTION	REFERENCE
	Ring with tang 12mm	<b>2008551</b>


**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	<b>2004104</b>
	<b>PLATE</b> 24 x 52 mm <b>FIXATION</b> 2 holes <b>PLATE MATERIAL</b> nickel-plated Zamac <b>CARDAN JOINT MATERIAL</b> 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	<b>2004105</b>
	45° universal joint for Ø 14 mm rod	Square 8	250 mm	<b>2004106</b>
	<b>PLATE</b> 28 x 46 mm <b>FIXATION</b> 4 holes <b>PLATE MATERIAL</b> nickel-plated Zamac <b>CARDAN JOINT MATERIAL</b> nickel-plated Steel			

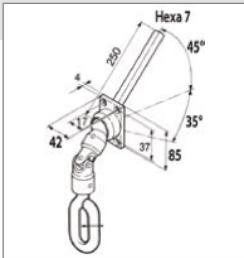
**90° UNIVERSAL JOINT - FOR Ø14 MM CRANK HANDLE**

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

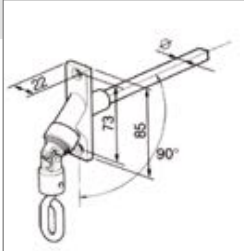
**90° UNIVERSAL JOINT - FOR Ø14 MM CRANK HANDLE**

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

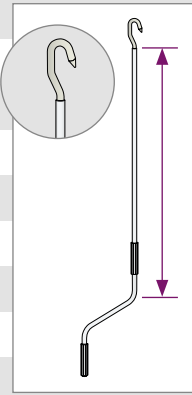
## 45° UNIVERSAL JOINT WITH RING

PRODUCT	DESCRIPTION	ROD	LENGTH	REFERENCE
	45° universal joint with ring	Hexa 7	250 mm	<a href="#">2004323</a>
	<b>PLATE</b> 42 x 85 mm <b>FIXATION</b> 4 holes <b>PLATE MATERIAL</b> nickel-plated Zamac <b>CARDAN JOINT MATERIAL</b> 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	<a href="#">2004324</a>
	<b>PLATE</b> 22 x 85 mm <b>FIXATION</b> 2 holes <b>PLATE MATERIAL</b> nickel-plated Zamac <b>CARDAN JOINT MATERIAL</b> nickel-plated Steel			

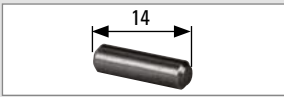
## CRANK HANDLE WITH HOOK Ø 14 MM

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

## 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	<a href="#">2004171</a>
					

## ELASTIC PIN TO ASSEMBLE THE CRANK WITH Ø 14 MM ROD

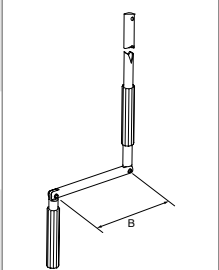
PRODUCT	DIAMETER	LENGTH	MATERIAL	REFERENCE
	Ø 4 mm	14 mm	inox steel	<a href="#">2003341</a>

## 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	<b>2004163</b>

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	<b>2004127</b>
	180 mm	1500 mm	white	<b>2004131</b>
	180 mm	1800 mm	white	<b>2004132</b>

## 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	<b>2004155</b>
	Ø 14 mm (M4 screw)	Hexa 7 (pin)	nickel-plated steel	<b>2004184</b>
	Ø 14 mm (M4 screw)	Square 8 (pin)	nickel-plated steel	<b>2004185</b>
	Ø 14 mm (M4 screw)	Ø 14 mm (M4 screw)	nickel-plated steel	<b>2004186</b>
	Ø 10 mm (M4 screw)	Hexa 7	nickel-plated steel	<b>2004403</b>

## BAYONET FOR Ø 14 MM CARDAN JOINT

PRODUCT	SIZE REQUIRED	MATERIAL	REFERENCE
	Ø 13,9 x 52 mm	inox steel	<b>2001775</b>

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	<b>2001776</b>

## SQUEEZING CRANK CLIP FOR Ø 14 MM ROD

PRODUCT	ENTER-AXLE	COLOUR	MATERIAL	REFERENCE
	43 mm	white	PVC	<b>2001946</b>
	43 mm	grey	PVC	<b>2001947</b>

## ADJUSTABLE SQUEEZING CRANK CLIP FOR Ø 14 MM ROD

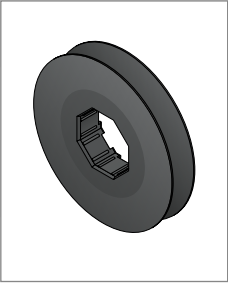
PRODUCT	ENTER-AXLE	COLOUR	MATERIAL	REFERENCE
	48 mm	white	PVC	<b>2001949</b>
	48 mm	grey	PVC	<b>2001950</b> <b>2006403 (x 50)</b>

## ADJUSTABLE MAGNETIC CRANK CLIP FOR Ø 14 MM ROD

PRODUCT	ENTER-AXLE	COLOUR	REFERENCE
	48 mm	white	<b>2001953</b>

# OPERATION BY BELT / PULLEY

## PULLEY (only for 14mm belt)

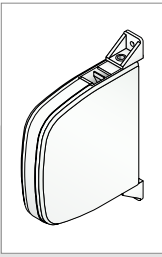
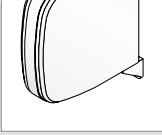
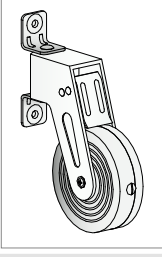
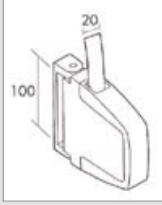
PRODUCT	DIAMETER	DESCRIPTION	REFERENCE
	125mm	Ø 125mm pulley, for octa 40-60 end cap with clips	<b>2001973</b>
	140mm	Ø 140mm pulley, for octa 40-60 end cap with clips	<b>2001974</b>
	155mm	Ø 155mm pulley, for octa 40-60 end cap with clips	<b>2001975</b>
	170mm	Ø 170mm pulley, for octa 40-60 end cap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

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

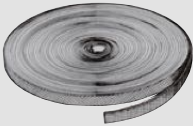

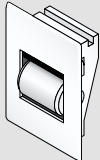

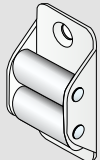
## END CAP FOR PULLEY SIDE

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

## TAPE COILER (only for 14mm belt)

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

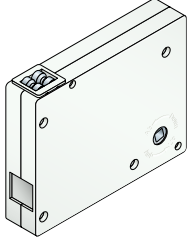
## ACCESSORIES

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




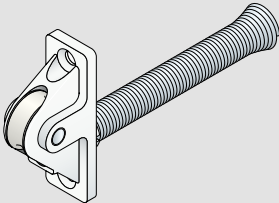



# OPERATION BY CORD / GEAR

## CORD GEAR

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

## ACCESSORIES

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

## ACCESSORIES

ACCESSORIES	DESCRIPTION	REFERENCE
	Spiral spring - Length 250 mm	<b>2001613</b>

# OPERATION BY DIRECT PULLING

## AND BALANCING SPRING

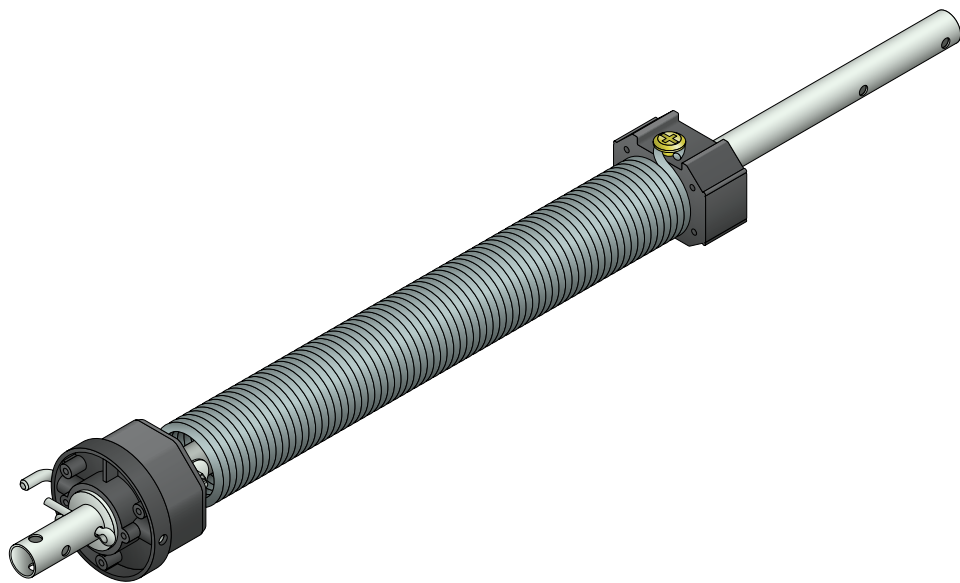
### BALANCING SPRINGS

THE BALANCING SPRINGS

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

### FOR DIRECT PULLING

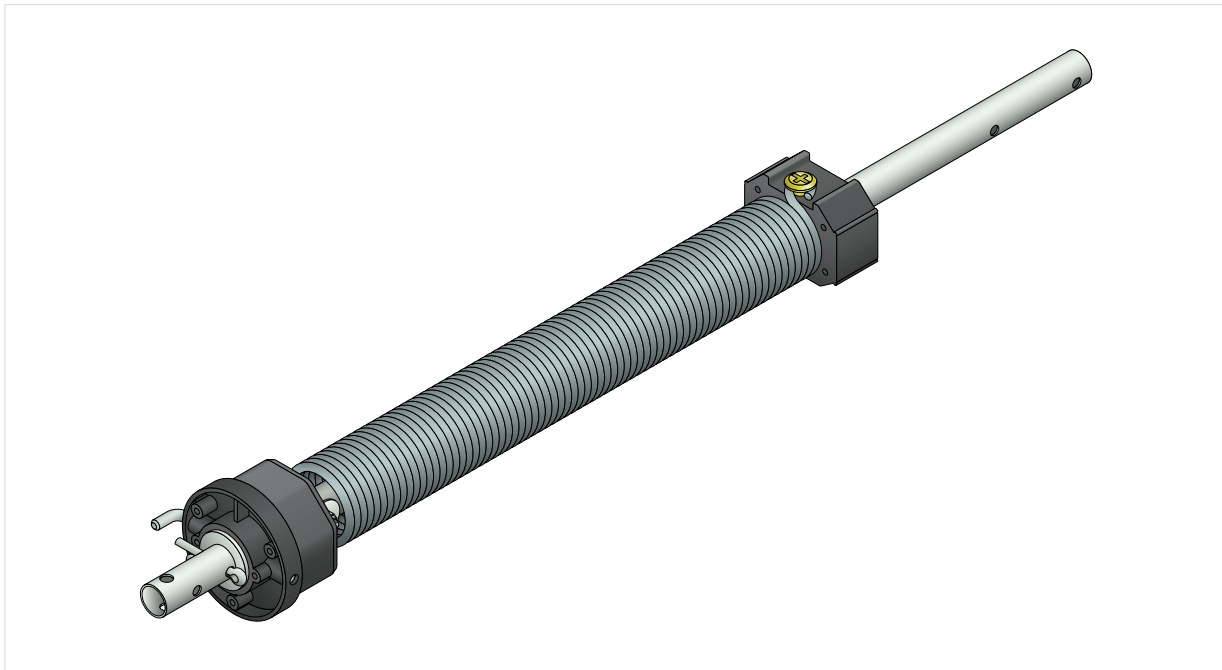
Always mounted on the left - rolling seen from inside. Maxi spring tension 18 rounds



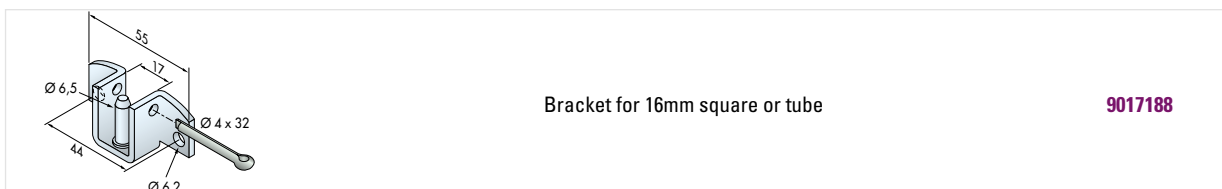
DESCRIPTION	REFERENCE
Balancing spring for direct pulling, maxi fabric 7 kg, octa 60 tube 24/10 x 400 spring, 625mm overall length	<b>2008086</b>
Balancing spring for direct pulling, maxi fabric 12 kg, octa 60 tube 30/10 x 500 spring, 835mm overall length	<b>2008087</b>

## FOR BALANCING

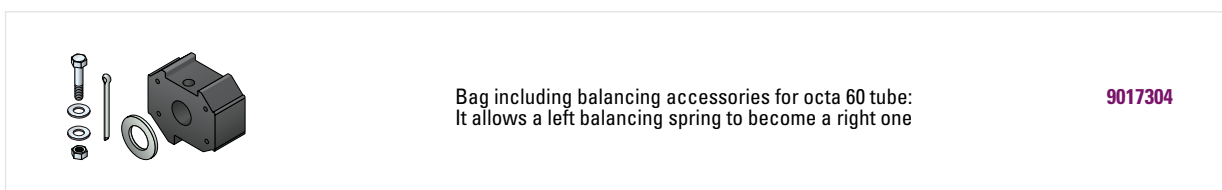
Always mounted on the left - rolling seen from inside. Zinc plated steel shaft



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



**9017188**



**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


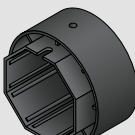
COMPONENTS FOR ROLLER SHUTTERS p.192



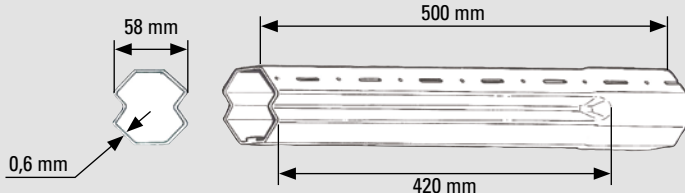
# ACCESSORIES

## FOR TUBE AND FABRIC

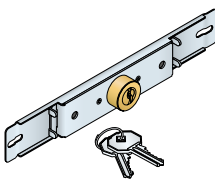
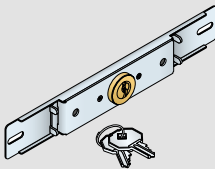
### ADAPTORS

	DESCRIPTION	REFERENCE
	Ø 80mm outside, octa 60 tube inside	<a href="#">2003500</a>
	Ø 80mm outside, octa 70 tube inside	<a href="#">2003501</a>

### CONNECTING SHAFT

	DESCRIPTION	REFERENCE
	Connecting axle for octa 60 tube	<a href="#">2003425</a>



### CYLINDER LOCKS

	DESCRIPTION	REFERENCE
	Lock for final lath with 2 keys	<a href="#">2003432</a>
	Lock for intermediate lath with 2 keys	<a href="#">2003435</a>

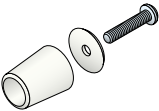
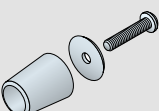
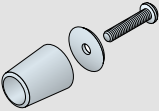
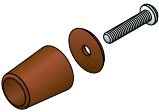
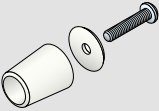
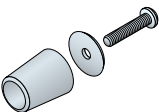
## GUIDE ROLL

DESCRIPTION	REFERENCE
 Guide roll - Ø 30mm	<a href="#">2001826</a>

## LIFTING GRIPS FOR 9 MM LATH

DESCRIPTION	REFERENCE
 Plastic lifting grip, white	<a href="#">2001944</a>
 Plastic lifting grip, brown	<a href="#">2001945</a>

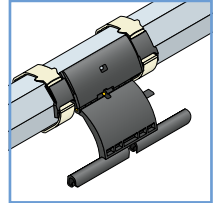
## CONICAL STOPPERS

DESCRIPTION	REFERENCE
 30mm conical stopper, white, galvanized screw	<a href="#">2003482</a>
 40mm conical stopper, white, galvanized screw	<a href="#">2003485</a>
 40mm conical stopper, grey, galvanized screw	<a href="#">2003486</a>
 40mm conical stopper, brown, galvanized screw	<a href="#">2003487</a>
 40mm conical stopper, white, stainless steel screws	<a href="#">2003491</a>
 40mm conical stopper, grey, stainless steel screws	<a href="#">2003492</a>









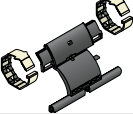
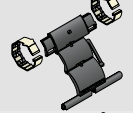
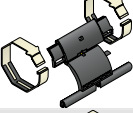
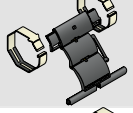
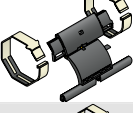
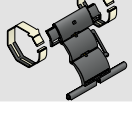
# EASYLINK LOCK

## FOR OCTA 40, 50 AND 60 MM TUBES



THE EASYLINK LOCK IS COMPRISED OF:

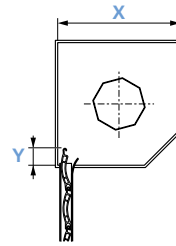
- a ring set with a quick clippable fixing system, for octa 40, 50 and 60 mm
- a fixed element
- 1 or 2 articulated elements

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

## HOW TO CHOOSE AN EASYLINK LOCK

The choice depends on:

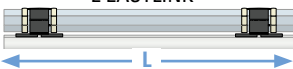


- the rolling tube
- the housing side size (X)
- the distance between the top of the first lath and the entry guide (Y)



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

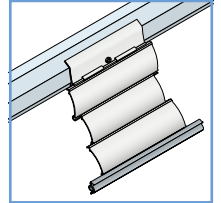
## USING LIMITS

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
<p>2 EASYLINK</p> 	$L \leq 1400$	max. 14 kg
<p>3 EASYLINK</p> 	$1401 \leq L < 2350$	max. 21 kg
<p>4 EASYLINK</p> 	$2351 \leq L < 3300$	max. 28 kg

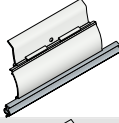
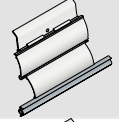
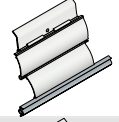


# V.A.R. LOCK

## ADJUSTABLE SECURITY LOCK



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

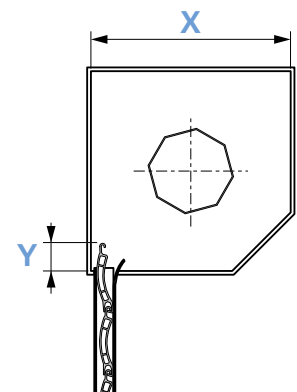
... 1, 2 or 3 elements and it is screwed directly onto an octa 40, 50 or 60 tube  
A block position system allows fine adjustment.

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

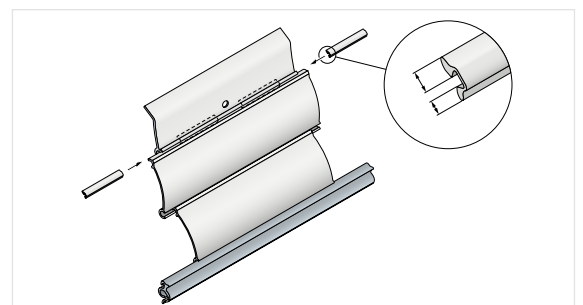
### HOW TO CHOOSE A V.A.R. LOCK

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)

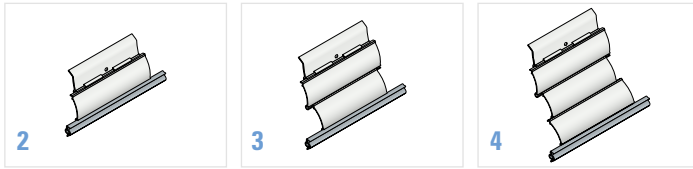


### HOW TO ADJUST THE BLOCK DELIVERED WITH V.A.R.

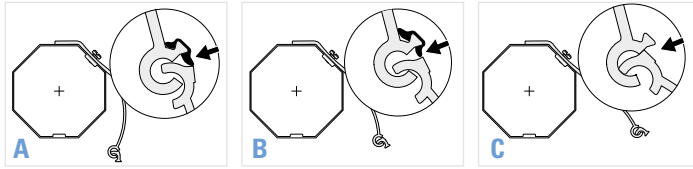


Based on these parameters, the table below gives the right combination to use:

- number of elements



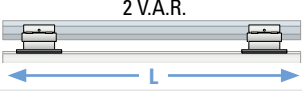


- use of the block position system



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

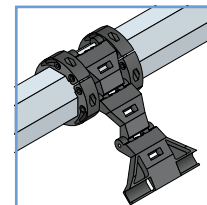
## USING LIMITS

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







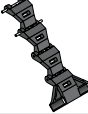
# V.A.S. LOCK

## SECURITY LOCK

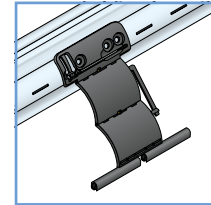


THE SECURITY LOCK IS COMPRISED OF:

- 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	-	<a href="#">9840219</a>	-
	Octa 60	Single ring	-	<a href="#">9840227</a>	<a href="#">2006105</a>
	Octa 70	Single ring	-	<a href="#">2003596</a>	<a href="#">2006104</a>
	-	V.A.S. hinge, 2 elements, for lath of 9mm	<a href="#">9840233</a>	-	-
	-	V.A.S. hinge, 3 elements, for lath of 14mm	<a href="#">9840225</a>	-	-
	-	V.A.S. hinge, 4 elements, for lath of 9mm	<a href="#">9840234</a>	-	-
	-	V.A.S. hinge, 4 elements, for lath of 14mm	<a href="#">9840226</a>	-	-

# RIGID LINK II



## THE RIGID LINK II IS COMPRISED OF:

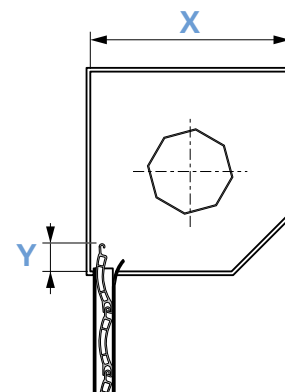
- 1 or 2 or 3 elements and is fixed by fastening wire onto the tubes ZF 54 and ZF 64. It is used with laths 8mm.

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.

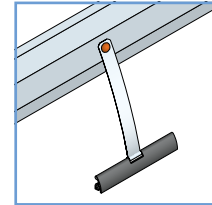
NUMBER OF ELEMENT TO CHOOSE	FABRIC LENGTH	FABRIC WEIGHT	MAXI MOTOR TORQUE
<p>2</p> 	$L \leq 1400$	max. 14 kg	10 Nm
<p>3</p> 	$1401 \leq L < 2350$	max. 21 kg	15 Nm
<p>4</p> 	$2351 \leq L < 3300$	max. 28 kg	20 Nm

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

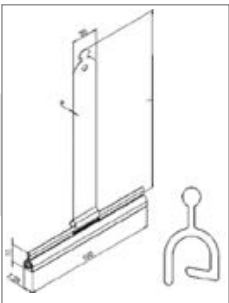


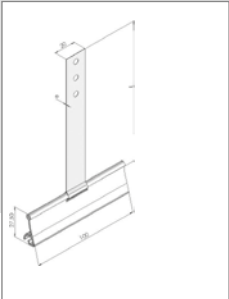
THE SPRING FASTENER IS COMPRISED OF:

- 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	<a href="#">2003350</a>
	Spring fastener, stainless steel, length 170mm, for lath 9mm	<a href="#">2003351</a>

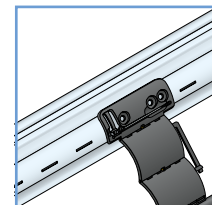
PRODUCT	DESCRIPTION	REFERENCE x 200
	Spring fastener, stainless steel, length 190mm, for lath 14mm	<a href="#">2003349</a>

PRODUCT	DESCRIPTION	REFERENCE x 200
	Spring fastener, stainless steel, length 130mm, for lath 9mm	<a href="#">2003352</a>
	Spring fastener, stainless steel, length 170mm, for lath 9mm	<a href="#">2003354</a>
	Spring fastener, stainless steel, length 190mm, for lath 14mm	<a href="#">2003358</a>

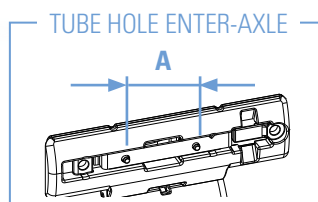


# OCTOEASY LOCKS

## 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

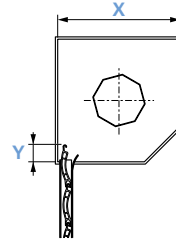
### OCTA 50 & 60MM

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.

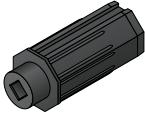
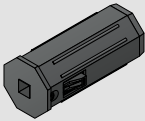


	L	FABRIC WEIGHT			
		Up to 14kg	from 14 to 21kg	from 21 to 28kg	from 28 to 35kg
Octa 40, 50, 60 tube with <b>PVC</b> fabric	From 450 to 1200mm	2	3	4	5
	From 1200 to 1700mm	3	3	4	5
	From 1700 to 2200mm	4	4	4	5
Octa 40, 50, 60 tube with <b>Aluminium</b> fabric	From 450 to 1400mm	2	3	4	5
	From 1400 to 2350mm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

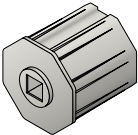
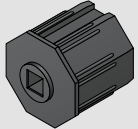
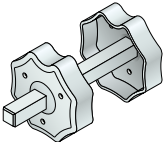
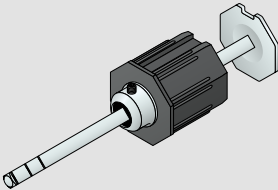
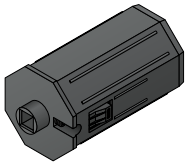
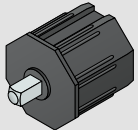
# END CAPS

## FOR GEAR SIDE

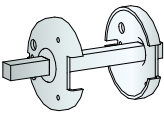
### OCTA 40 MM ROLLING TUBE

END CAP	DESCRIPTION	REFERENCE
	Aluminium end cap length 50mm with female 13mm square	<a href="#">2003466</a>
	End cap length 80mm, with clips + screws, with female 10mm square	<a href="#">2003106</a>
	Telescopic end cap, length 250mm, with 10mm square pivot	<a href="#">2003388</a>
	End cap length 89mm, with female 10mm square	<a href="#">2003345</a>
	End cap length 71mm, with clips with female 13mm square	<a href="#">2003524</a>

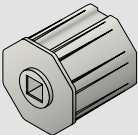
## OCTA 60 MM ROLLING TUBE

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

## LP62 ROLLING TUBE

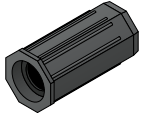
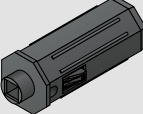
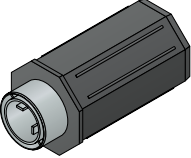
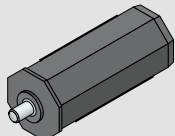
END CAP	DESCRIPTION	REFERENCE
	Bobbin with 10mm square	<a href="#">2002340</a>

## OCTA 70 MM ROLLING TUBE

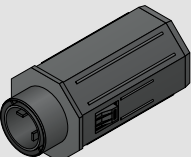
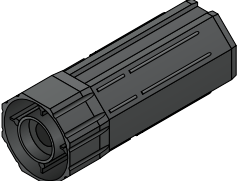
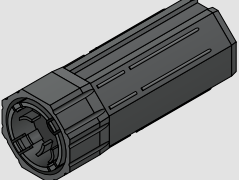
END CAP	DESCRIPTION	REFERENCE
	Aluminium end cap length 51mm, with female 13mm square	<a href="#">2003468</a>

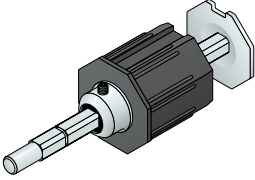
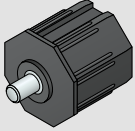
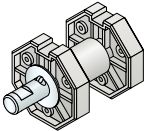

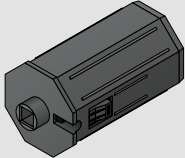
# END CAPS FOR TUBE FOR OPPOSITE SIDE

## OCTA 40MM ROLLING TUBE

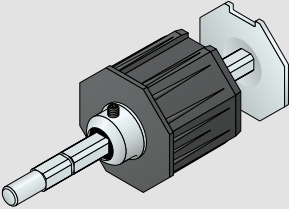
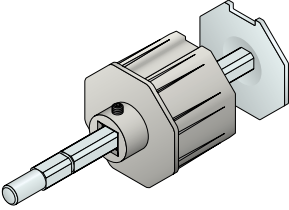
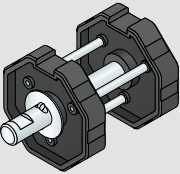

END CAP	DESCRIPTION	REFERENCE
	End cap length 78mm for Ø28mm bearing	<a href="#">2003527</a>
	End cap length 80mm, with clips + screws, with female 10mm square,	<a href="#">2003106</a>
	Adjustable end cap, octa 40 for Ø28mm bearing	<a href="#">2007508</a>
	End cap length 71.5mm, octa 40 for Ø10mm bearing	<a href="#">2003542</a>

## OCTA 60MM ROLLING TUBE

END CAP	DESCRIPTION	REFERENCE
	End cap length 98mm with clips for Ø28mm bearing	<a href="#">2003528</a>
	End cap length 150mm for Ø28mm bearing	<a href="#">2003539</a>
	End cap length 150mm for Ø42mm bearing	<a href="#">2003540</a>

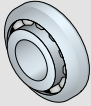
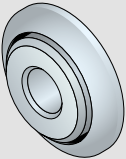
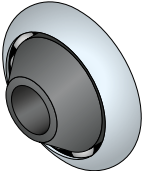
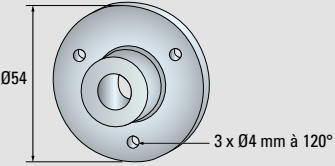
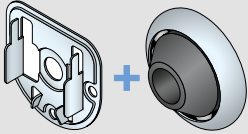
END CAP	DESCRIPTION	REFERENCE
	Plastic telescopic end cap length 200mm with 12mm pivot	<a href="#">2003389</a>
	End cap length 57mm with 12mm pivot	<a href="#">2003535</a>
	Bobbin for SIMU bracket  ref. <a href="#">2003617</a>	<a href="#">2003565</a>
	End cap length 115 mm with clips with 10mm female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

## OCTA 70MM ROLLING TUBE

END CAP	DESCRIPTION	REFERENCE
	Plastic telescopic end cap length 200mm with 12mm pivot	<a href="#">2003390</a>
	Aluminium telescopic end cap length 200mm with 12mm pivot	<a href="#">2003471</a>
	Bobbin Bichro Bobbin for SIMU bracket  ref. <a href="#">2003617</a>	<a href="#">2003560</a> <a href="#">2003564</a>

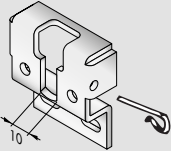
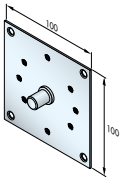
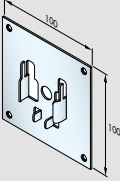

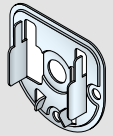
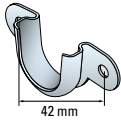
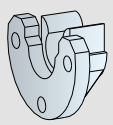
# BEARINGS

## FOR OPPOSITE SIDE

BEARING	DESCRIPTION	REFERENCE
	Ø28mm steel bearing 12mm bore	<a href="#">2003454</a>
	Ø28mm nylon bearing 12mm bore	<a href="#">2003455</a>
	Ø42mm steel bearing 12mm bore	<a href="#">2003447</a>
	Ø42mm nylon bearing 12mm bore	<a href="#">2003448</a>
	Ø54mm bearing for Ø12mm shaft	<a href="#">2003598</a>
	Ø10mm bearing bracket	<a href="#">2003600 (x1)</a> <a href="#">2006409 (x50)</a>
 ref. <a href="#">2003443</a> ref. <a href="#">2003448</a>	Bracket for Ø42mm bearing + Ø42mm nylon bearing - 12mm bore	<a href="#">2003601</a>
	Bracket for bearing with Ø12mm bore	<a href="#">2003607</a>

## BRACKETS

## FOR OPPOSITE SIDE

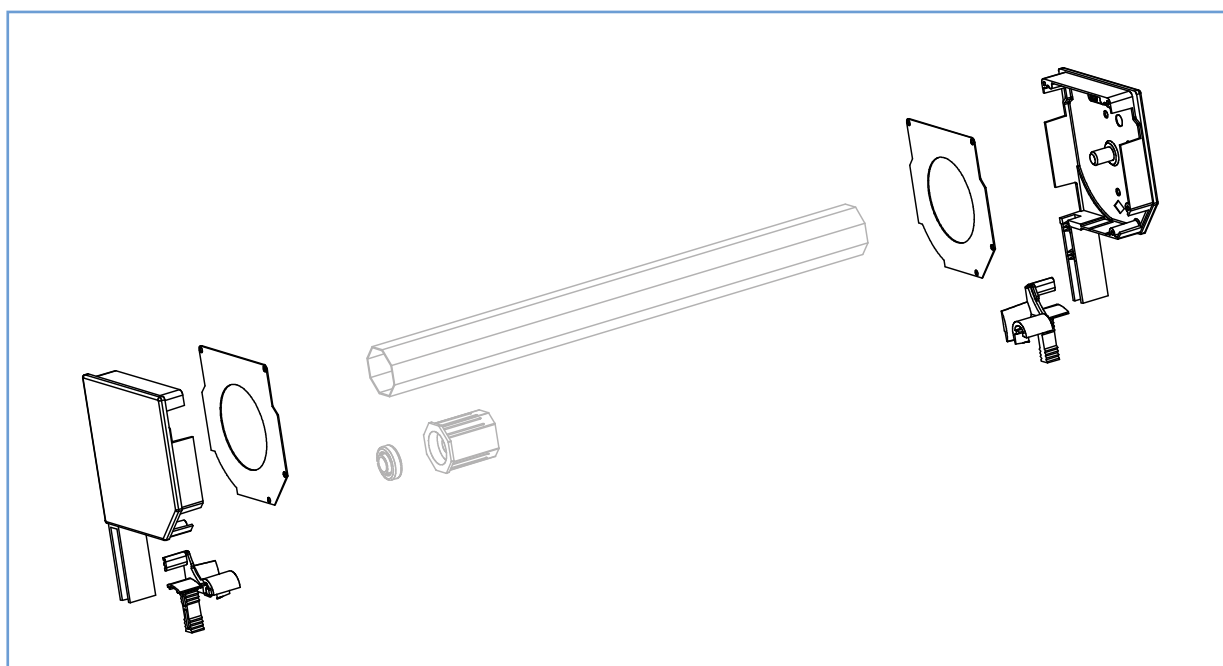
BRACKET	DESCRIPTION	REFERENCE
	Bracket for bobbin ref. <b>2003565</b> / ref. <b>2003560</b> / ref. <b>2003564</b> Delivered with pin	<b>2003617</b>
	Plate 100 x 100mm with 12mm spring	<b>2002645</b>
	Plate 100 x 100mm for Ø42mm bearing ref. <b>2003447</b> or ref. <b>2003448</b>	<b>2002644</b>
	Bracket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



# COMPONENTS

## FOR ROLLER SHUTTERS

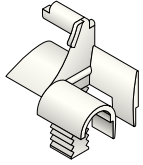
### COMPONENTS FOR RENOVATION SYSTEM - GAVIOTA/SIMBAC



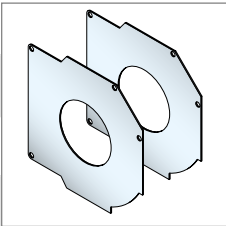
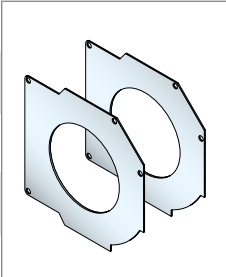
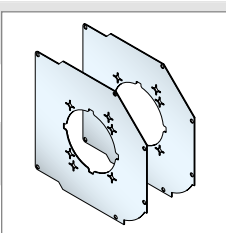
### MINI45° RENOVATION SIDE FRAME

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

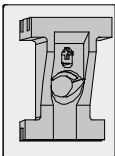
## ENTRY GUIDE FOR MINI 45° RENOVATION SIDE FRAME

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

## PLATES FOR MINI 45° RENOVATION SIDE FRAME

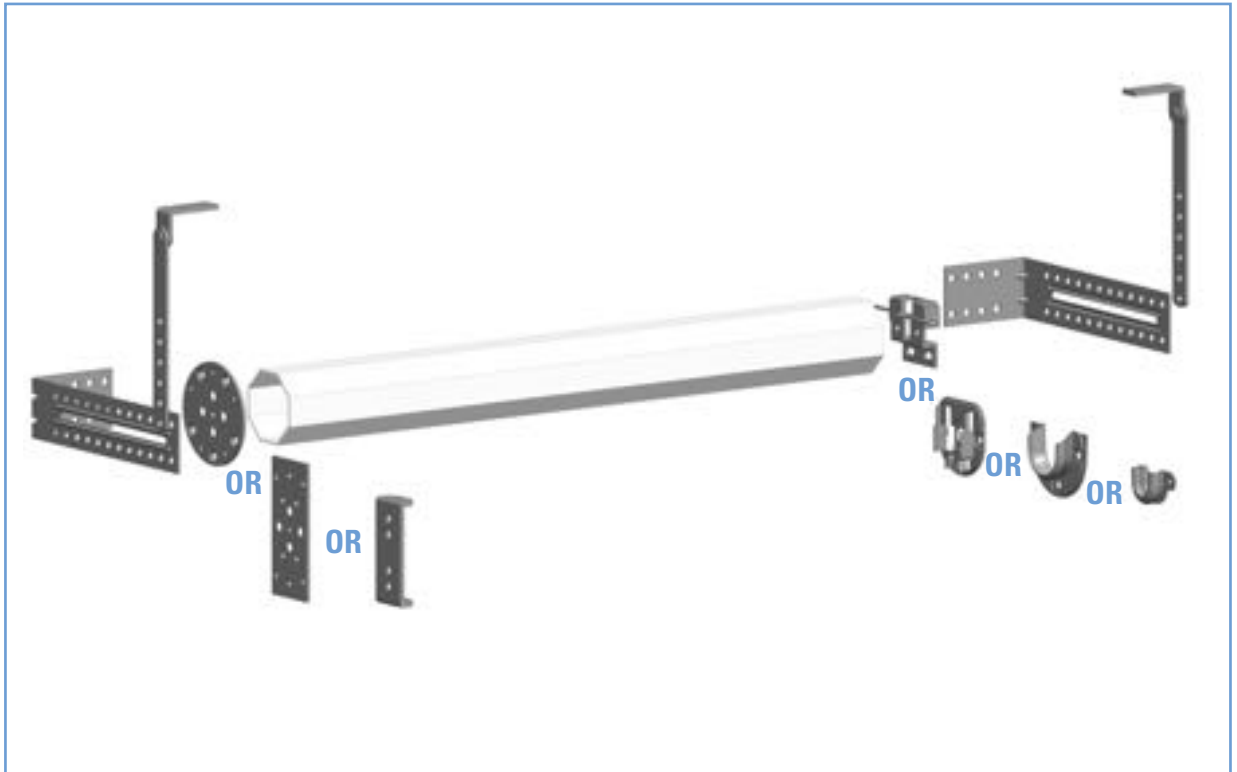
PLATES	TYPE	DESCRIPTION	x 1 pair	REFERENCE x 40 pairs	x 50 pairs
	137	Plate with a 55mm hole for 137mm side frame	2005313	-	-
	150	Plate with a 55mm hole for 150mm side frame	-	-	2004738
	180	Plate with a 55mm hole for 180mm side frame	-	-	2004740
	205	Plate with a 55mm hole for 205mm side frame	-	2004741	-
	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

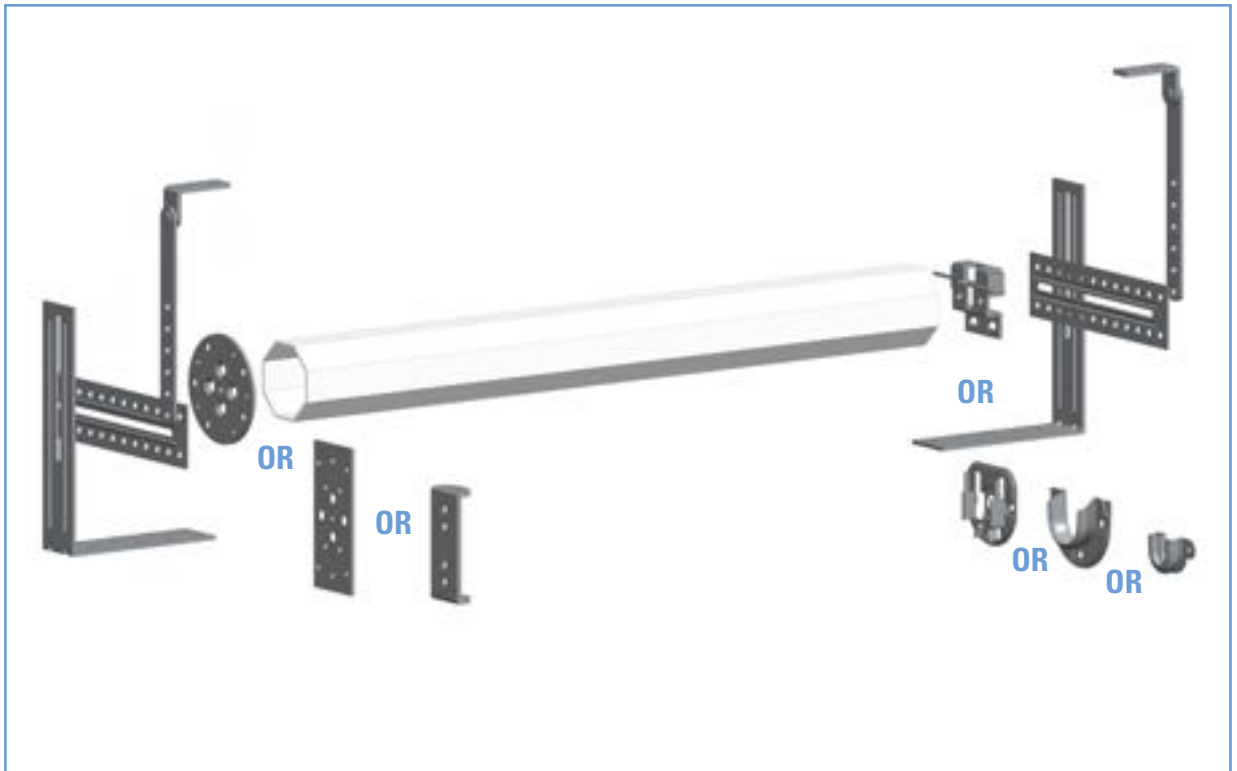
PRODUCT	DESCRIPTION	REFERENCE
	White cable guide (x50)	605409A (x50)

## COMPONENTS FOR WALL INTEGRATED SYSTEM - SIMU

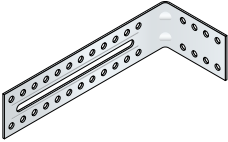
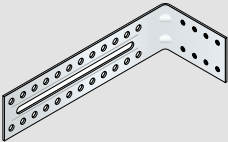
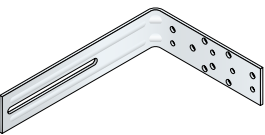
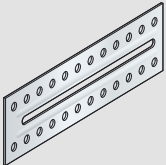
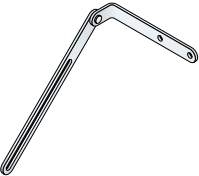
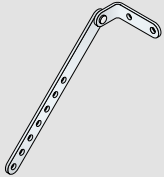
### BUILT-IN BOX MOUNTING



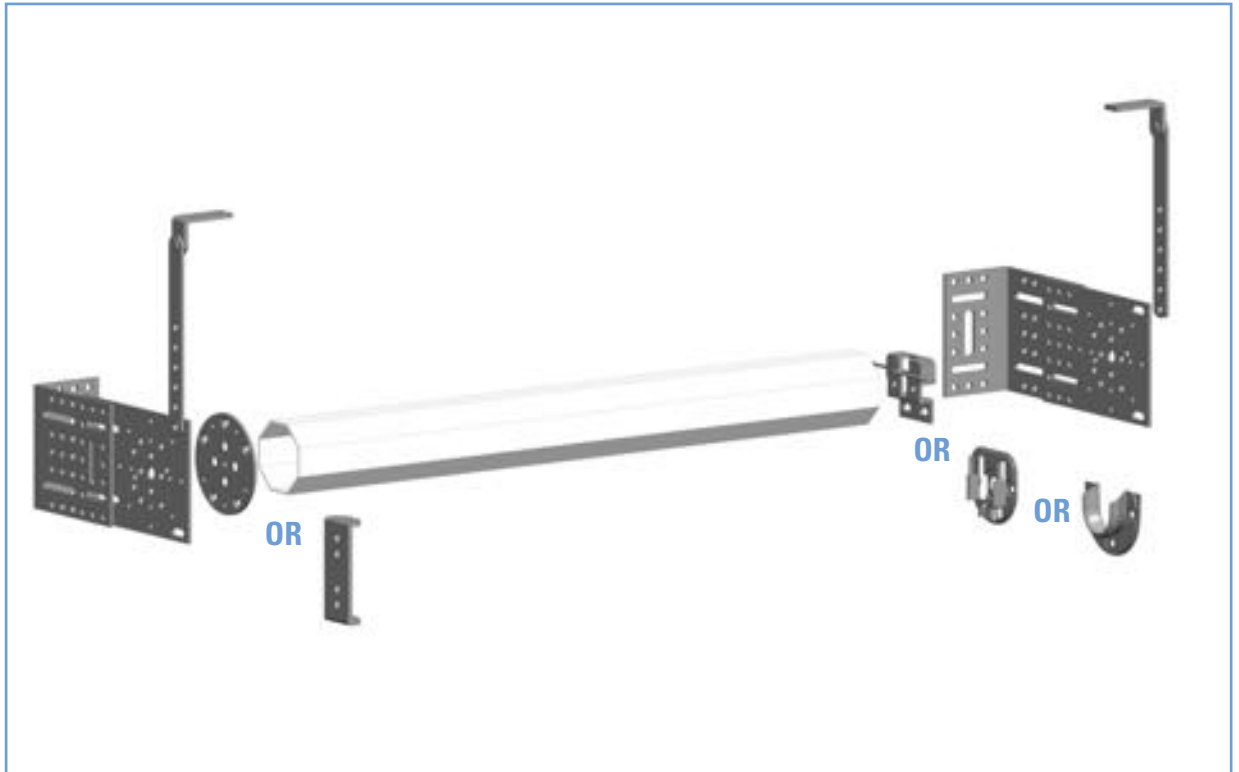
### MOUNTING ON WINDOW FRAME



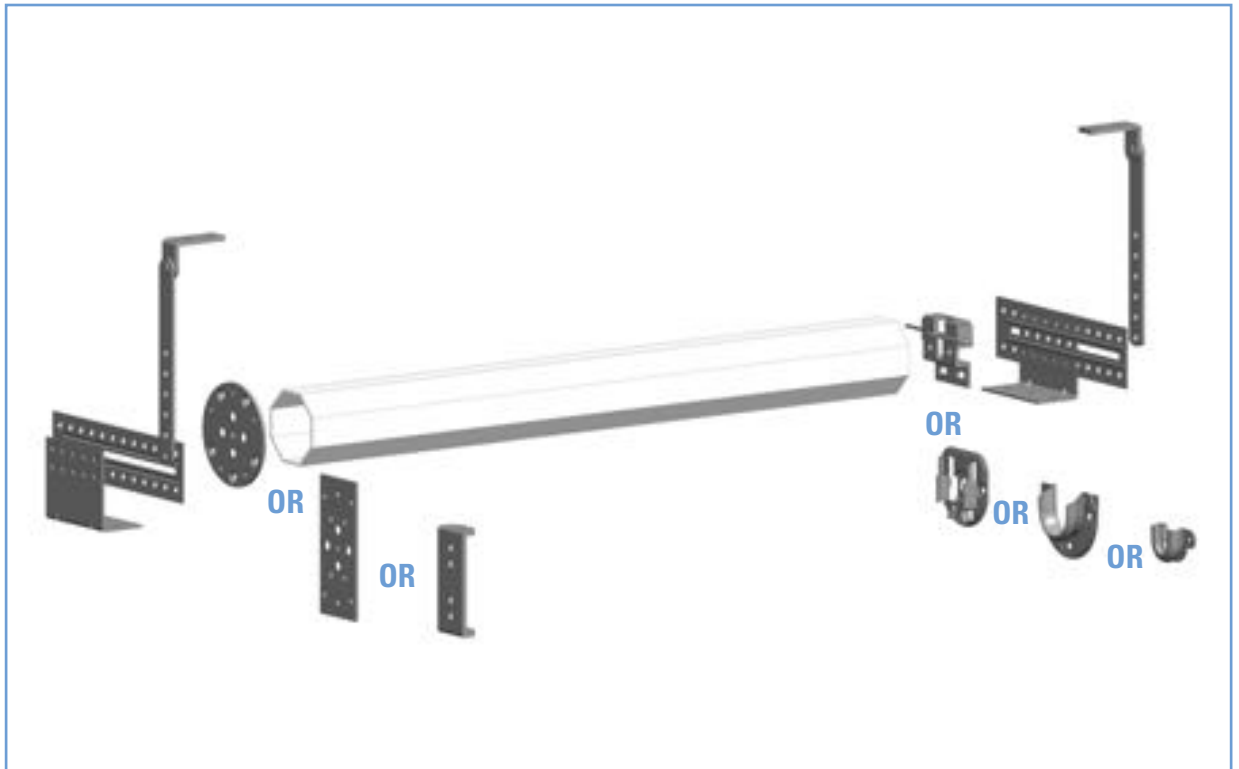
## SQUARE BRACKETS AND REINFORCING BRACKETS

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

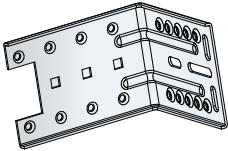
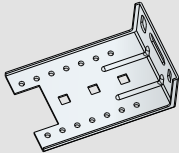
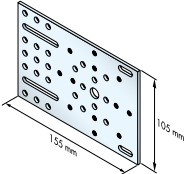
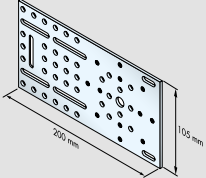
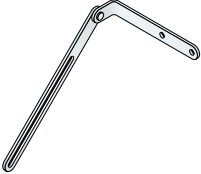
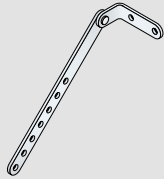
### BUILT-IN BOX MOUNTING



### MOUNTING ON WINDOW FRAME

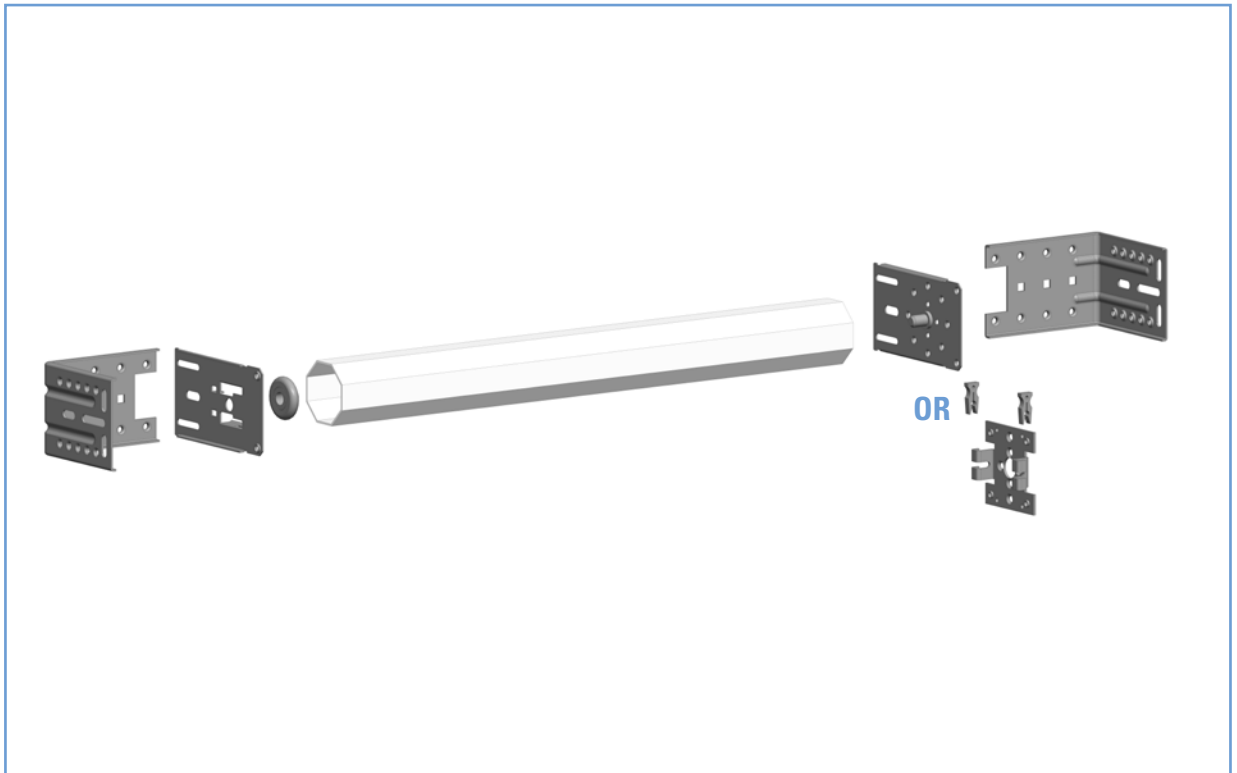


## SQUARE BRACKETS AND REINFORCING BRACKETS

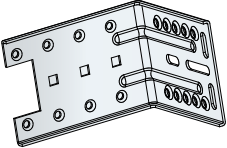
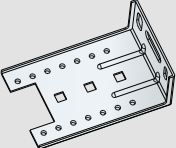
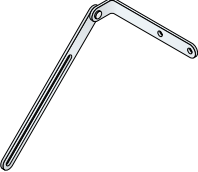
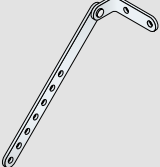
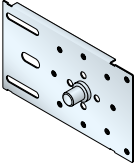
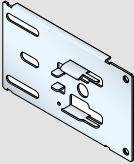
PRODUCT	DESCRIPTION	REFERENCE
	Square bracket 110 x 130 x 84 - Hole M6	<a href="#">2003377</a>
	Universal square bracket 50 x 130 x 84	<a href="#">2003375</a>
	Bracket for TRADITIONNAL SYSTEM Length 155mm	<a href="#">2003611</a>
	Bracket for TRADITIONNAL SYSTEM Length 200mm	<a href="#">2003612</a>
	180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

# COMPONENTS FOR WALL INTEGRATED SYSTEM - GAVIOTA/SIMBAC

## BUILT-IN BOX MOUNTING



## SQUARE BRACKETS AND REINFORCING BRACKETS

	<p>Square bracket - 110 x 130 x 84mm - M6 hole</p>	<p><a href="#">2003375</a></p>
	<p>Universal square bracket - 50 x 130 x 84mm</p>	<p><a href="#">2003377</a></p>
	<p>Strut - 180 x 115mm</p>	<p><a href="#">2003452</a></p>
	<p>Strut - 170 x 55mm</p>	<p><a href="#">2003616</a></p>
	<p>145 x 84mm plate with Ø12 pivot</p>	<p><a href="#">2005311</a></p>
	<p>145 x 84mm plate for Ø12 bearing ref. 2003448</p>	<p><a href="#">2003378</a></p>



# REFERENCES

MOTOR REFERENCES p.202

CONTROL AND ACCESSORY REFERENCES p.210



# MOTOR

## REFERENCES

### LISTING BY MOTOR RANGE

REFERENCE	DESCRIPTION	PACKAGED BY	PAGE
<b>AUTOSUN2: Components &amp; accessories</b>			
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	SOLAR 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
<b>AUTOSUN2 Full set</b>			
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
<b>AUTOSUN2 SET - Solar panel + battery</b>			
9021214	SOLAR KIT EXTERIOR C0,3M/1	1	27
9021215	SOLAR KIT EXTERIOR C0,6M/1	1	27
<b>T3.5 E Hz DC MOTORS - 12 VDC - 0.2 meters cable</b>			
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
<b>T3.5 E BHz MOTORS - 230V / 50Hz - 3 meters cable</b>			
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
<b>T5 E BHz MOTORS - 230V / 50Hz - 2.5 meters cable</b>			
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
<b>T5 AUTOSHORT BHz MOTORS - 230V / 50Hz - 3 meters cable</b>			
2009224	T5 AUTOSHORTBHZ 06/17 C3M WH/1	1	35
2009223	T5 AUTOSHORTBHZ 06/17 C3M WH/10	10	35
<b>T3.5 Hz.02 MOTORS - 230V / 50Hz - 3 meters cable</b>			
<b>Other lengths of cables available, consult us.</b>			
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
<b>T5 E Hz MOTORS - 230V / 50Hz</b>			
<b>2.5 meters white cable</b>			
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
<b>5 meters white cable</b>			
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
<b>2.5 meters white cable - Without pin motors</b>			
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
<b>T5 Hz.02 MOTORS - 230V / 50Hz</b>			
<b>2.5 meters white cable</b>			
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
<b>5 meters white cable</b>			
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
<b>T5 Hz.02 MOTORS - 120V / 60Hz - 2 meters cable</b>			
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
<b>T5 AUTOSHORT Hz MOTORS - 230V / 50Hz - 3 meters cable</b>			
2006744	T5 AUTO SHORT HZ 06/17 230/50	1	43
2006745	T5 AUTO SHORT HZ 06/17 230/50 C3M/10	10	43
<b>DMI5 Hz.01 MOTORS - 230V / 50Hz - 2.5 meters cable</b>			
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
<b>DMI5 Hz.01 MOTORS - 120V / 60Hz - 6 meters cable</b>			
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
<b>T6 Hz.02 MOTORS - 230V / 50Hz - 2.5 meters cable</b>			
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
<b>T6 Hz.02 MOTORS - 120V / 60Hz - 2.5 meters cable</b>			
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
<b>DMI6 Hz.01 MOTORS - 230V / 50Hz - 2.5 meters cable</b>			
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
<b>DMI6 Hz.01 MOTORS - 120V / 60Hz - 6 meters cable</b>			
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
<b>T3.5 MOTORS - 12 VDC - 2.5 meters cable</b>			
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
<b>T3.5 MOTORS - 24 VDC - 2.5 meters cable</b>			
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
<b>T3.5 AUTO+ MOTORS - 230V / 50Hz - 2.5 meters cable</b>			
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
<b>T3.5 MOTORS - 230V / 50Hz - 2.5 meters cable</b>			
<b>Other lengths of cables available, consult us.</b>			
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
<b>T3.5 MOTORS - 230V / 50Hz - with OCT40 adapter set mounted on motor and 2.5 meter cable</b>			
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
<b>T3.5 MOTORS - 120V / 60Hz - 2.5 meters cable</b>			
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
<b>T5 MOTORS - 12 VDC - 2.5 meters cable</b>			
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
<b>T5 MOTORS - 24 VDC - 2.5 meters cable</b>			
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

REFERENCE	DESCRIPTION	PACKAGED BY	PAGE
<b>T5 E MOTORS - 230V / 50Hz</b>			
<b>2.5 meters white cable</b>			
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
<b>5 meters white cable</b>			
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
<b>2.5 meters white cable - Motors without pin</b>			
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
<b>T5 AUTO+SHORT MOTORS - 230V / 50Hz - 3 meters cable</b>			
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
<b>T5 AUTO MOTORS - 230V / 50Hz</b>			
<b>2.5 meters white cable</b>			
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
<b>5 meters white cable</b>			
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

REFERENCE	DESCRIPTION	PACKAGED BY	PAGE
<b>2.5 meters white cable - Motors without pin</b>			
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



REFERENCE	DESCRIPTION	PACKAGED BY	PAGE
<b>T5 MOTORS - 230V / 50Hz - with OCT60 adapter set mounted on motor and 2.5 meter cable</b>			
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
<b>T5 MOTORS - 120V / 60Hz - 2.5 meter cable</b>			
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
<b>T5 MOTORS - 220V / 60Hz - 2.5 meter cable</b>			
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
<b>DMI 5 MOTORS - 230V / 50Hz</b>			
<b>2.5 meters white cable</b>			
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
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2008568	DMI5 50/12-230/50 C2,5M WHITE/4	4	66
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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
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2000775	DMI5 40/12-120/60 C2,5M WHITE/1	1	66
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2000952	T6 70/17 230/50 C0,7M BLACK /1	1	68
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2001003	DMI6 60/12 230/50 C2,5M WHITE/1	1	70
2000997	DMI6 70/17 230/50 C2,5M WHITE/1	1	70
2001007	DMI6 80/12 230/50 C2,5M WHITE/1	1	70
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# CONTROL AND ACCESSORY

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9410356	LT50 WHEEL TUBE CENTERED ZF64	1	73
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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
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9500815	SQUARE STUD BRACKET	1	76
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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
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9520063	BRACKET T5 2 HOLES M6 CENTER DISTANCE 60/1	1	79
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9520104	BRACKET T5 2 HOLES 6,5MM CENTER DISTANCE 48/1	1	78
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9521015	ADAPTOR SET T5 DEPRAT 89/1	1	73
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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
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9705344	LT50 WHEEL TUBE OCTO 50	1	72
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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
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## SIMU

ZONE INDUSTRIELLE LES GIRANAUX  
70100 ARC-LÈS-GRAY  
FRANCE

Tel. +33 (0)3 84 64 75 00  
Fax +33 (0)3 84 64 75 99

[service@simu.com](mailto:service@simu.com)  
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