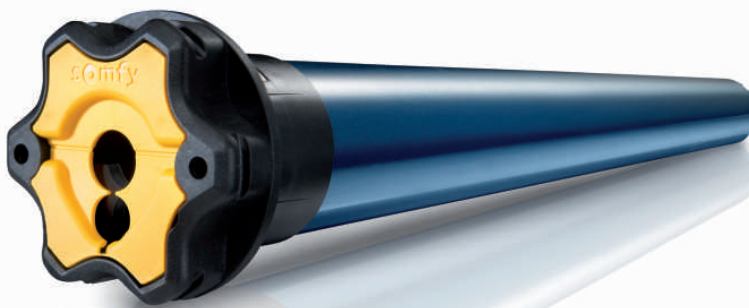




500 Series Databook



Sonesse® 50

Somfy is the leading global manufacturer of strong, intelligent, quiet motors and electronic controls for interior and exterior window coverings with more than 110 million motors produced since 1980. For more than four decades, Somfy engineers have designed products for both the commercial and residential markets to motorize window coverings such as interior shades, wood blinds, draperies, awnings, rolling shutters, exterior solar screens and projection screens. Somfy motorization systems are easily integrated with security, HVAC and lighting systems providing total home or building automation.



WHY SOMFY?

Somfy has a committed Customer Support team comprised of Somfy motor and control specialists available for assistance:

Somfy Corporate Headquarters
800-22-SOMFY (76639)

General Customer Service
877-210-5327
CustomerService_us@somfy.com

Standard Purchase Order
Ordering_us@somfy.com

Rush Purchase Order
ExpeditedShippingOrders_us@somfy.com

Accounting Inquiries
AccountsReceivable@somfy.com

Technical Support
877 - 233 - 0019
TechnicalSupport_us@somfy.com

Warranty Claim Requests
us_Return@somfy.com

- Somfy has a production capacity of more than 70,000 motors per day.
- Somfy motors have over 600 standards approvals worldwide.
- Somfy has certified over 100 patents since the year 2000.
- Every Somfy motor goes through an extensive quality assurance process including testing in extreme environmental conditions, for electrostatic discharge, mechanical shock, and high life cycle.
- Somfy has a network of 15,000 trained professional installers throughout the world.



Somfy operates in 60 countries, with 78 subsidiaries, and 52 agencies spread across 5 continents. With 8 production centers, Somfy is an efficient and reactive industry leader. Thanks to its strict quality standards, Somfy is able to satisfy the needs of over 270 million users worldwide.



Somfy understands that training and support are critical to success. Somfy's Expert Program has been developed to provide a platform for those who want to enhance their expertise of motorization and control solutions. Contact Somfy directly or visit www.somfypro.com to learn more and sign up for training.

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RollEase® is a registered trademark of RollEase® Inc. – Stamford, CT.

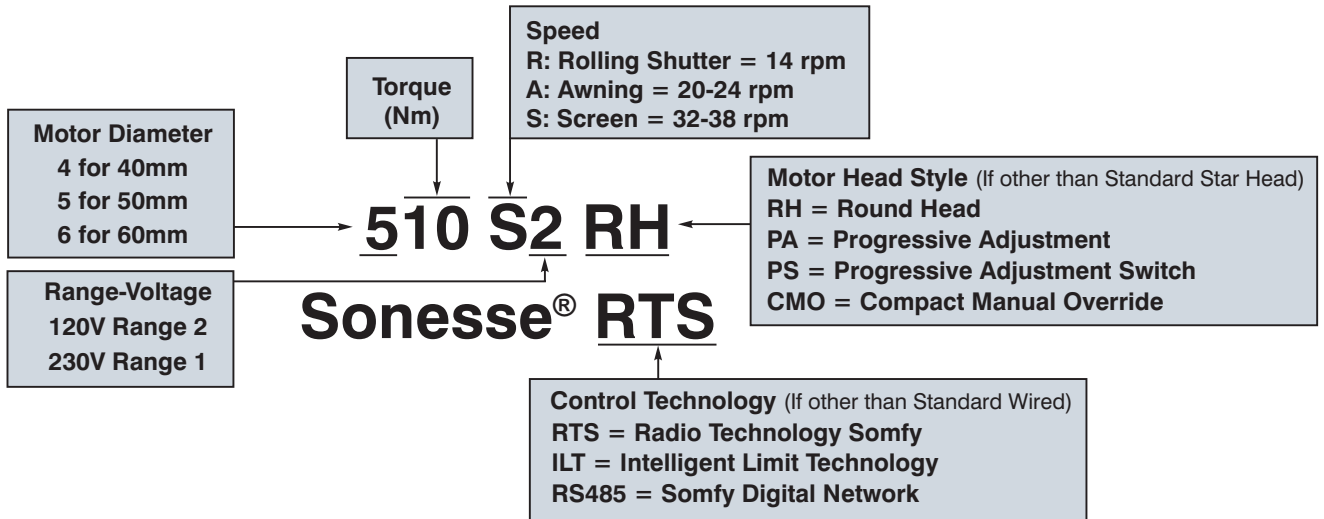
ZMC® is a registered trademark of ZMC® Window Coverings

Z-Wave® is a registered trademark of Zensys, Inc. and its subsidiaries

iPad® and iPhone® are registered trademarks of Apple, Inc.

Somfy's 500 Series Motor Range

Motor Identification Key



Somfy Technologies



Radio Technology Somfy

Radio Technology Somfy® (RTS) allows wireless radio control of motorized applications via the RTS family of controls.



Wired Technology

Offers control via standard AC switching.



Dry Contact

Is a dry contact input a basic low voltage control. ILT2 range is compatible with almost any home automation systems.



IR-Infrared

By simply plugging an IR sensor to the control input, ILT can be immediately controlled by any Somfy IR remote without any configuration operation.



ILT-Intelligent Limit Technology

The wired, digital, bi-directional bus control allows for more sophisticated functions (positioning of motor in any position, polling the motor status ...) and can provide compatibility with third party control systems in either commercial or residential markets.

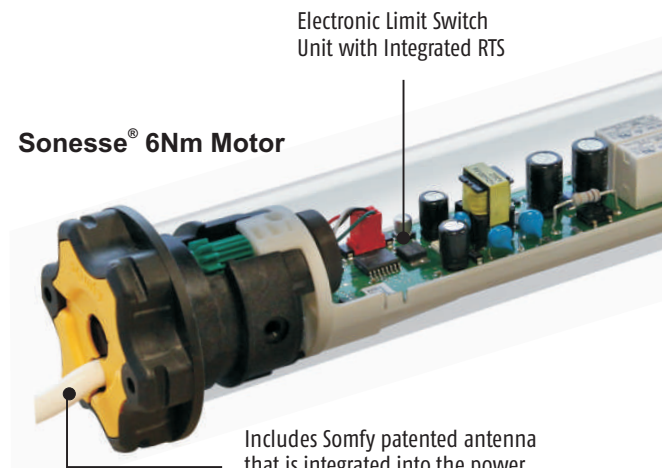


RS485

RS485 is another control method that uses a two-wired bus. Due to the open source nature of the RS485 protocol many building management systems and home automation systems use this protocol to communicate to devices. Systems that can use the RS485 connection can be programmed to Somfy RS485 motors or controllers to operate the installation.



As with all Somfy products, motors are backed by a 5 year warranty.



Electronic Limit Switch Unit with Integrated RTS

Sonesse® 6Nm Motor

Includes Somfy patented antenna that is integrated into the power cord for enhanced reception.

WHY CHOOSE SOMFY'S SONESSE® RANGE?

Quiet and Strong:

- Stronger torque for larger applications including multi-banded/coupled window coverings
- *Uniform quiet operation in both the up and down directions under 40dBA.

Wide Range of Solutions:

- Interior and exterior applications
- Residential and commercial markets
- RTS, wired and RS485 integrated network options

Simplified Fabrication and Installation:

- Utilizes existing fabrication methods on the market today
- Compatible with leading industry hardware solutions
- Can be installed in 6 different orientations
- Advanced design enables simple "Snap-On" connection for roller tube adapters.

Streamlined Programming:

- RTS limits are set via radio transmitter.
- Wired simple push-button limit setting
- Improved RS485 commissioning process:
 - Motor auto discovery
 - Motor position feedback
 - Compatibility with Somfy's animeo® IP system
 - Backward compatibility provides seamless integration with existing Somfy Digital Network projects.
 - Multiple intermediate positions
 - Collision detection

Superior Quality:

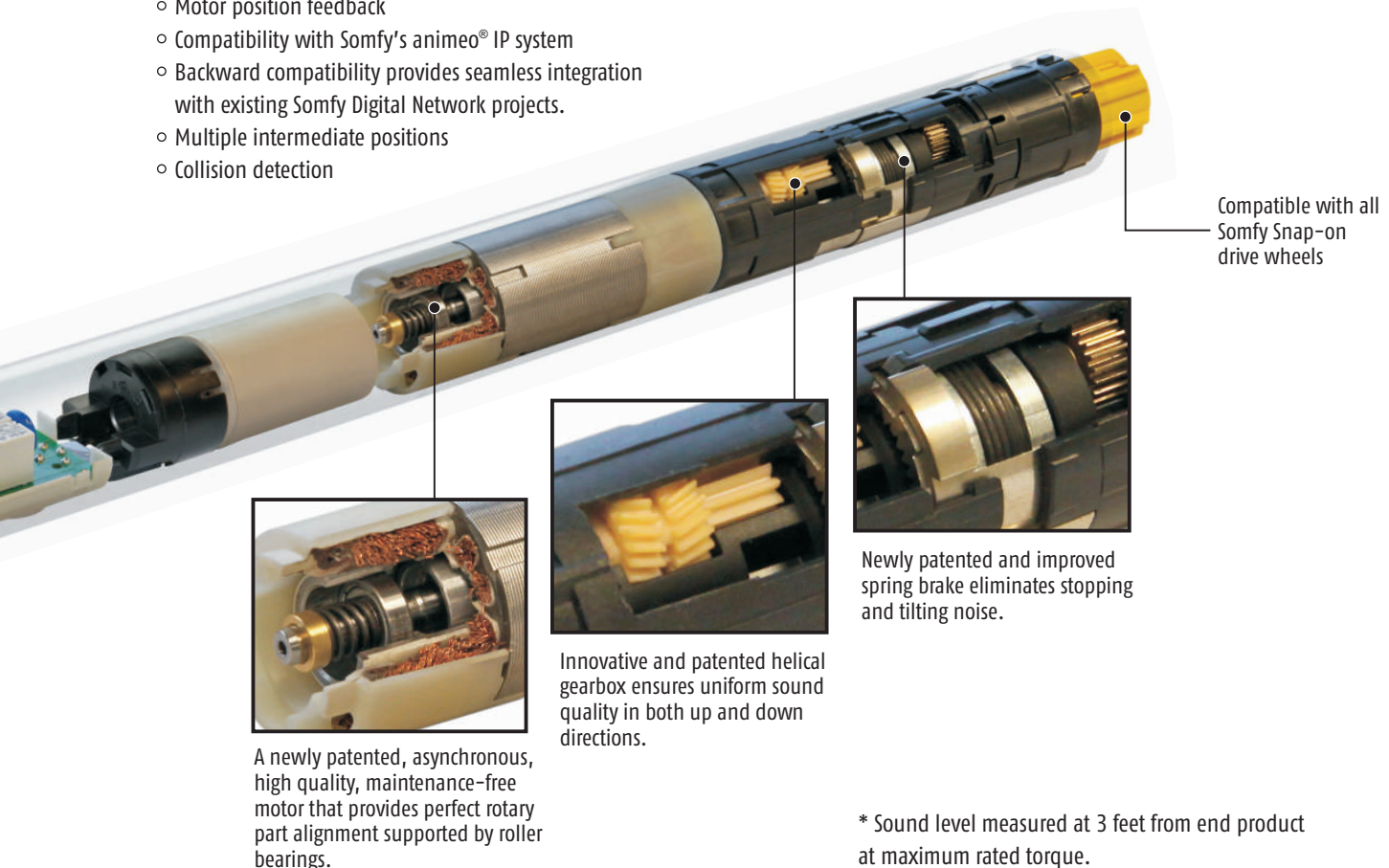
- Our motors undergo rigorous endurance, acoustic, radio, mechanical, electrical and safety tests in our 65,000 sq. ft. quality control and testing facility.
- More than 600 approved standards worldwide
- Manufactured and sold over 100 million motors

Simple Electrical Connection:

- Available with UL approved 5-15P NEMA plug-in motor cable
- Plug-in option eliminates the need for an electrician.
- Motor cable length can be customized to meet your installation requirements.

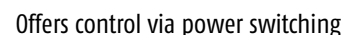
All Somfy Motors are UL and CSA Recognized

- All SOMFY motors are UL Recognized and can be found under the following file numbers:
E60495, E60888, E63714



* Sound level measured at 3 feet from end product at maximum rated torque.

Star Head and Round Head Motors (rapid limit adjustment)







Dimensions

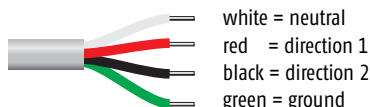
Dimensions	504	506
L1	20.03 in (712 mm)	23.7 in (603 mm)
L2	27.60 in (701 mm)	23.2 in (590 mm)
L3	SH 28.58 in (726 mm)	SH 24.3 in (616 mm)
	RH 28.46 in (723 mm)	RH 24.1 in (613 mm)
Cable Length	6.5ft (2 m)	6.5ft (2 m)

Optional cables with NEMA plugs available in 3 ft, 6 ft, 12 ft, 18 ft, 24 ft.

Sound level measured at 3 feet from end product at maximum rated torque.

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 47mm must be respected.
- A motor crown adapter between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft.
- Somfy Soft Clip Drive Wheel Adapters (brown in color) are not recommended.

Wired
120V AC / 60Hz
4 conductor cable



Sonesse® 50 PA

(Progressive Limit Adjustment)



504S2PA 1030063

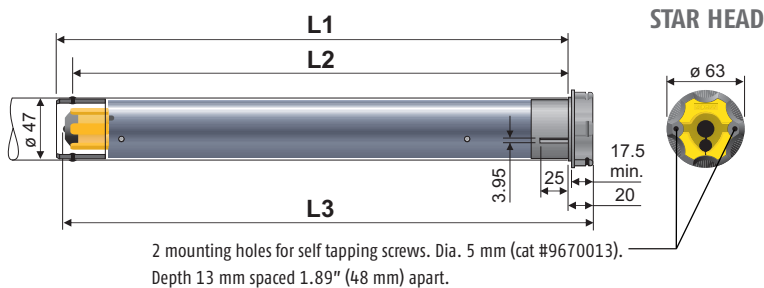


Offers control via power switching

Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44
Limit Switch Type	Progressive Adjustment PA
Limit Switch Capacity	29 Turns
Temperature Working Range	32°F to 140°F (0°C to 60°C)
Insulation Class	Class 1 for 120V AC
Wiring	Do not parallel wire

Dimensions



Specifications

Torque	4 Nm
Nominal Voltage	120V / 60Hz
Rated Current	.95A
Speed	32 rpm
Thermal Protection	4 minutes
Sound Level	44 dBA

Dimensions

L1	28.33 in (719.5 mm)
L2	28.01 in (711.5 mm)
L3	28.48 in (723.5 mm)
Cable Length	6.5ft (2 m)

*Sound Level:

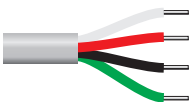
Sound level measured at 3 feet from end product at maximum rated torque.

Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 47mm must be respected.
- A motor crown adapter between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft.
- Somfy Soft Clip Drive Wheel Adapters (brown in color) are not recommended.

Type of power cable

Wired
120V AC / 60Hz
4 conductor cable



white = neutral
red = direction 1
black = direction 2
green = ground

Sonesse® 50 RTS

Star Head and Round Head Motors



504S2 1030065
506S2 1001809

504S2RH 1030066
506S2RH 1001806



Radio Technology Somfy® (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

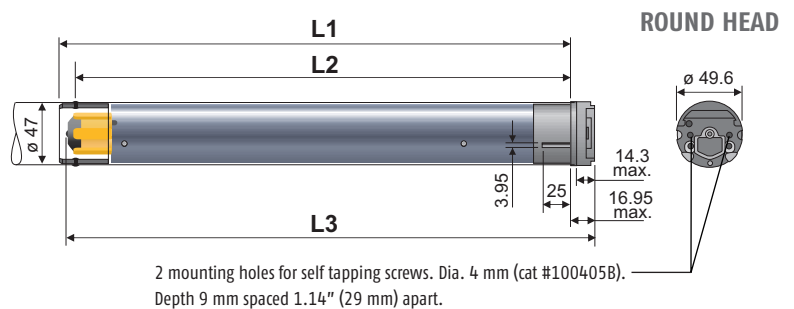
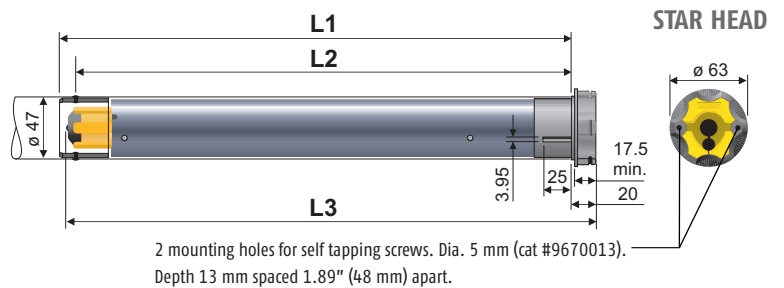
Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	504 - IP 31 (interior use) 506 - IP 44 (interior & exterior use)
Limit Switch Type	Electronic RTS
Limit Switch Capacity	250 Turns
Temperature Working Range	504: 32°F to 140°F (0°C to 60°C) Interior use 506: -4°F to 158°F (-20°C to 70°C) Interior and exterior use
Insulation Class	Class 1 for 120V AC
Antenna	Integrated into power cord. Power cord must be at least 12 inches and must not come in contact with metal
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes

Specifications

	504	506
Torque	4 Nm	6 Nm
Nominal Voltage	120V / 60Hz	120V / 60Hz
Rated Current	.95A	1.2A
Speed	32 rpm	32 rpm
Thermal Protection	4 minutes	5 minutes
Radio Frequency	433.42 MHz	433.42 MHz
*Sound Level	≤ 44 dBA	≤ 40 dBA

Dimensions



Dimensions	504	506
L1	30.83 in (783 mm)	25.7 in (653 mm)
L2	30.31 in (770 mm)	25.2 in (640 mm)
L3	SH 31.34 in (796 mm) RH 31.22 in (793 mm)	SH 26.2 in (666 mm) RH 26.1 in (663 mm)
Cable Length	6.5ft (2 m)	6.5ft (2 m)

Optional cables with NEMA plugs available in 3 ft, 6 ft, 12 ft, 18 ft, 24 ft.

*Sound Level:

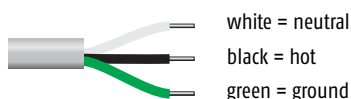
Sound level measured at 3 feet from end product at maximum rated torque.

Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 47mm must be respected.
- A motor crown adapter between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft.
- Somfy Soft Clip Drive Wheel Adapters (brown in color) are not recommended.

Type of power cable

RTS
120V AC / 60Hz
3 conductor cable



Sonesse® ULTRA 50 RTS

Star Head and Round Head Motors



506S2 1002562
506S2RH 1002564



Radio Technology Somfy® (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical Features

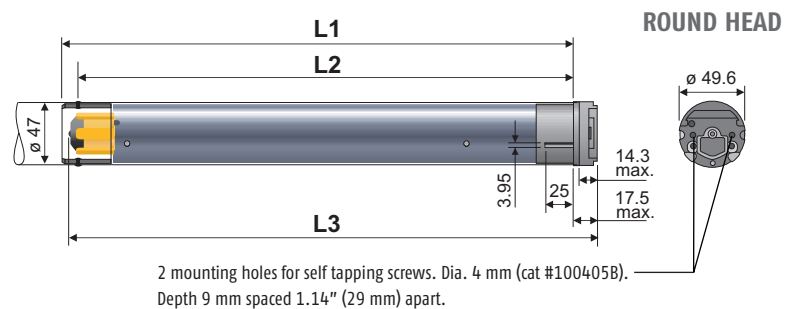
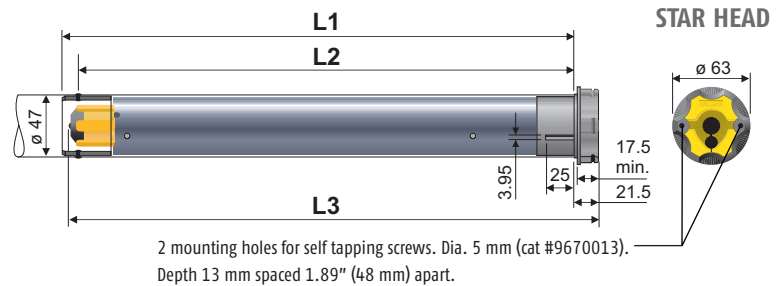
Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 31 (interior use)
Limit Switch Type	Electronic RTS
Limit Switch Capacity	250 Turns
Temperature Working Range	32°F to 140°F (0°C to 60°C) (Interior use only)
Insulation Class	Class 1 for 120V AC
Antenna	Integrated into power cord. Power cord must be at least 12 inches and must not come in contact with metal
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes

Specifications

506

Torque	6 Nm
Nominal Voltage	120V / 60Hz
Rated Current	.95A
Speed	24 rpm
Thermal Protection	4 minutes
Radio Frequency	433.42 MHz
*Sound Level	≤38 dBA

Dimensions



Dimensions

506

L1	31.7 in (807 mm)
L2	31.3 in (796 mm)
L3	SH 32.3 in (821 mm) RH 32.2 in (818 mm)
SJTW PowerCable Length	9.8ft (3 m)

Optional cables with NEMA plugs available in 3 ft, 6 ft, 12 ft, 18 ft, 24 ft.

*Sound Level:

Sound level measured at 3 feet from end product at maximum rated torque.

Fabrication Recommendations:

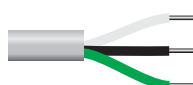
- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 47mm must be respected.
- A motor crown adapter between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft.
- Somfy Soft Clip Drive Wheel Adapters (brown in color) are not recommended.

Type of power cable

RTS

120V AC / 60Hz

3 conductor cable



white = neutral

black = hot

green = ground

Sonesse® 50 ILT2

Star Head and Round Head Motors

504S2 1030094 504S2RH 1030077



DRY
CONTACT

ILT
PROTOCOL

A new generation of intelligent LT motors that can be controlled and monitored via Somfy digital network solutions.

Technical Features

Voltage Supply	120 AC, 60Hz
Index Protection Rating	IP 44
Limit Switch Type	Electronic
Limit Switch Capacity	300 Turns
Temperature Working Range	32°F to 140°F (0°C to 60°C)
Insulation Class	Class 1 for 120V AC

Specifications

Torque	4 Nm
Nominal Voltage	120V / 60Hz
Rated Current	.95A
Speed	32 rpm
Thermal Protection	4 minutes
Sound Level	≤ 44 dBA

Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 47mm must be respected.
- A motor crown adapter between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) included with Sonesse series motors only, is recommended to prevent noise and drive wheel separation from motor shaft.
- Somfy Soft Clip Drive Wheel Adapters (brown in color) are not recommended.

Type of power cable

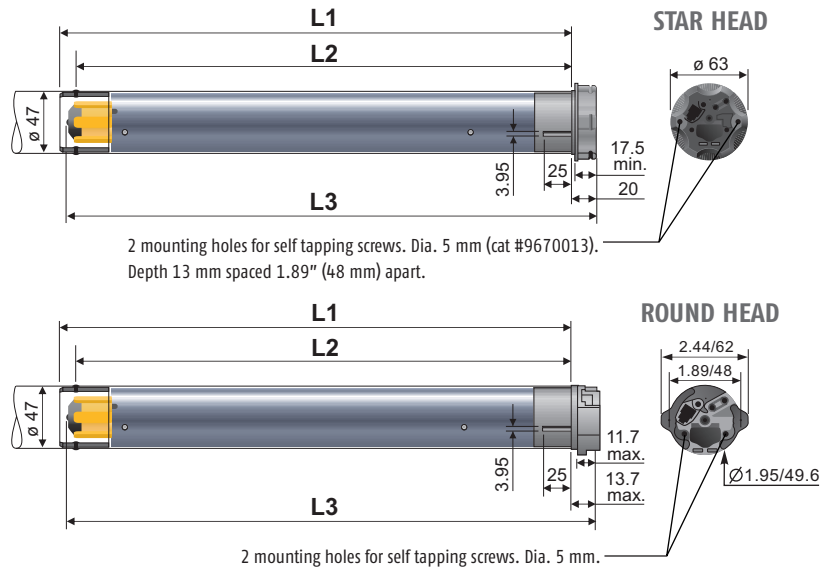
ILT:

120V AC / 60 Hz
3 threads by wire



white = neutral
black = hot
green = ground

Dimensions



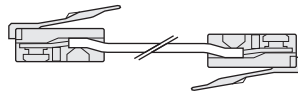
Dimensions

	504S2	504S2RH
L1	30.83 in (783mm)	30.83 in (783mm)
L2	30.31 in (770mm)	30.31 in (770mm)
L3	31.34 in (796mm)	31.06 in (789mm)
Power Cable Length	1.6ft (.5m)	6.5ft (2m)
Data Cable Length (included)	1ft (.3m) / 4 wires / RJ9 phone connectors	8.2ft (2.5m) / 4 wires / RJ9 phone connectors

Optional cables with NEMA plugs available in 3ft, 6ft, 12ft, 18ft, 24ft.

Data cable

RJ9 Pin Outs



PIN COLOR	4 RED	3 BLUE	2 WHITE	1 YELLOW
ILT Protocol	-	GND	-	DATA
Dry Contact	OPEN	GND	-	CLOSE
IR Contact	IR	GND	+5V	-

Optional Data Cables:

ILT white data cable - 1 ft. (.3m)	Part #9209060
ILT white data cable - 5 ft. (1.5m)	Part #9209061
ILT white data cable - 25 ft. (7.5m)	Part #9012343
ILT white data cable - 50 ft. (15m)	Part #9012344

Sonesse® 50 RS485

Star Head Motor



50652 1002286



A new generation of intelligent motors that are controlled and monitored via Somfy digital network solutions and animeo IP total solar management system.

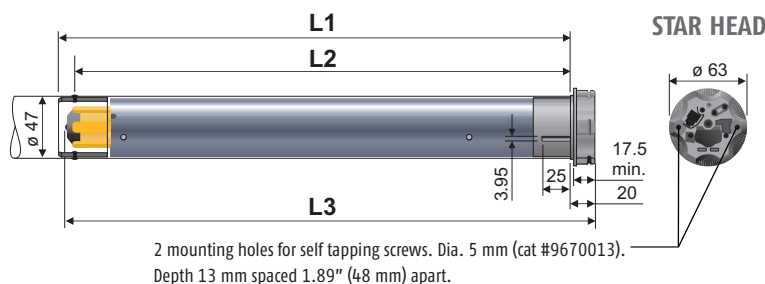
Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44 (interior & exterior use)
Limit Switch Type	Electronic
Limit Switch Capacity	300 Turns
Temperature Working Range	-4°F to 158°F (-20°C to 70°C) Interior and exterior use
Insulation Class	Class 1 for 120V AC
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes

Specifications

Torque	6 Nm
Nominal Voltage	120V / 60Hz
Rated Current	1.2A
Speed	32 rpm
Thermal Protection	5 minutes
*Sound Level	≤ 40 dBA

Dimensions



Dimensions

L1	25.7 in (653 mm)
L2	25.2 in (640 mm)
L3	26.2 in (666 mm)
SJTW Power Cable Length	9.8 ft (3 m)
Data Cable (must be ordered separately)	Customizable and available in various lengths

Optional cables with NEMA plugs available in 3 ft, 6 ft, 12 ft, 18 ft, 24 ft.

Type of power cable

120V AC / 60Hz
3 conductor cable



*Sound Level:

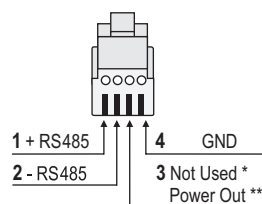
Sound level measured at 3 feet from end product at maximum rated torque.

Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 47mm must be respected.
- A motor crown adapter between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft.
- Somfy Soft Clip Drive Wheel Adapters (brown in color) are not recommended.

Data Cable: RJ9/RJ45 (sold separately)

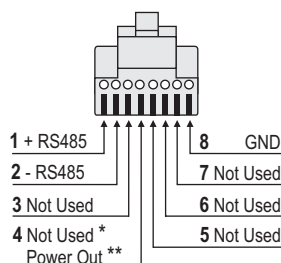
RJ9 connects to motor



* Data cable (black) for animeo IP networks

** Data cable (grey) for powering external modules

RJ45 connects to network



4 Cond. 26AWG modular cable with RJ9 on one end and RJ45 other end - (RTS, Z-Wave®, ZigBee® modules)

GREY WITH
POWER OUT

2.5 ft long	#9018545
8 ft long	#9018546
12 ft long	#9018547
24 ft long	#9018548

4 Cond. 26AWG modular cable with RJ9 on one end and RJ45 other end - (SDN - animeo IP)

BLACK WITHOUT
POWER OUT

2.5 ft long	#9018541
8 ft long	#9018542
12 ft long	#9018543
24 ft long	#9018544

Sonesse® ULTRA 50 RS485

Star Head Motor



506S2 1002566



A new generation of intelligent motors that are controlled and monitored via Somfy digital network solutions and animeo IP total solar management system.

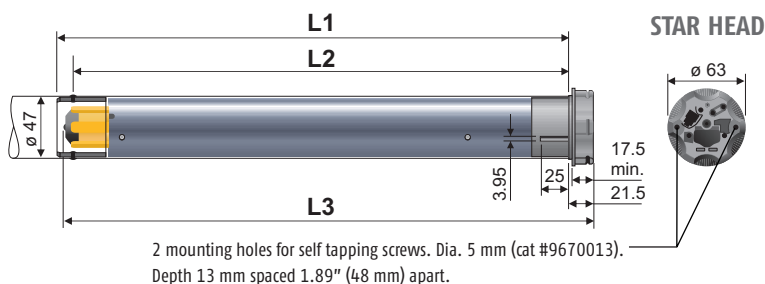
Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 31 (interior)
Limit Switch Type	Electronic
Limit Switch Capacity	300 Turns
Temperature Working Range	32°F to 140°F (0°C to 60°C) (Interior use only)
Insulation Class	Class 1 for 120V AC
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes

Specifications

Torque	6 Nm
Nominal Voltage	120V / 60Hz
Rated Current	.95A
Speed	24 rpm
Thermal Protection	4 minutes
*Sound Level	≤ 38 dBA

Dimensions



Dimensions

L1	32.5 in (827 mm)
L2	32.1 in (816 mm)
L3	33.1 in (841 mm)
SJTW Power Cable Length	9.8 ft (3 m)
Data Cable (must be ordered separately)	Customizable and available in various lengths

Optional cables with NEMA plugs available in 3 ft, 6 ft, 12 ft, 18 ft, 24 ft.

Type of power cable

120V AC / 60Hz
3 conductor cable



*Sound Level:

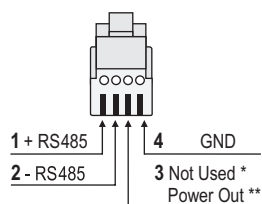
Sound level measured at 3 feet from end product at maximum rated torque.

Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 47mm must be respected.
- A motor crown adapter between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft.
- Somfy Soft Clip Drive Wheel Adapters (brown in color) are not recommended.

Data Cable: RJ9/RJ45 (sold separately)

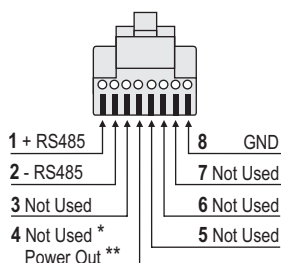
RJ9 connects to motor



* Data cable (black) for animeo IP networks

** Data cable (grey) for powering external modules

RJ45 connects to network



4 Cond. 26AWG modular cable with RJ9 on one end and RJ45 other end - (RTS, Z-Wave®, ZigBee® modules)

GREY WITH POWER OUT

2.5 ft long	#9018545
8 ft long	#9018546
12 ft long	#9018547
24 ft long	#9018548

4 Cond. 26AWG modular cable with RJ9 on one end and RJ45 other end - (SDN - animeo IP)

BLACK WITHOUT POWER OUT

2.5 ft long	#9018541
8 ft long	#9018542
12 ft long	#9018543
24 ft long	#9018544

LT50 RA

Star Head and Round Head Motors (rapid limit adjustment)



Offers control via power switching

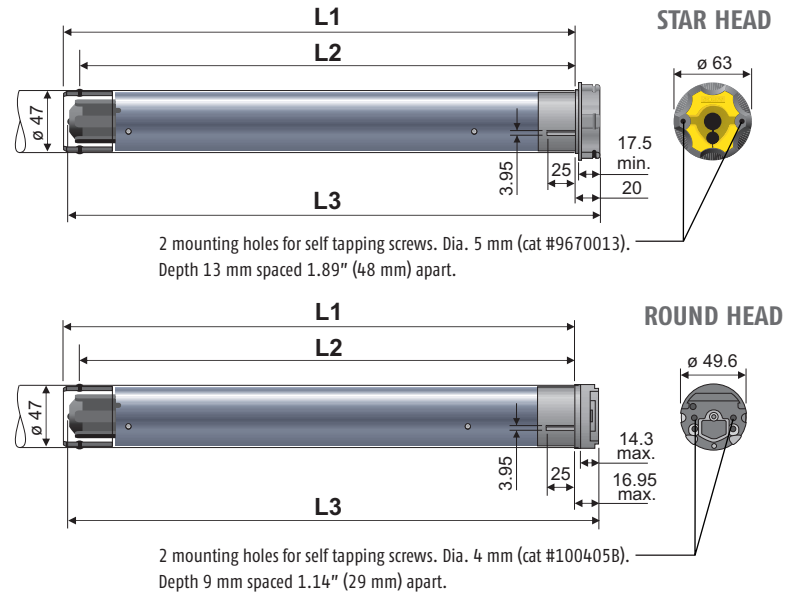
504S2	1030006	525A2	1043024	504S2RH	1030005
506S2	1032023	530R2	1045026	506S2RH	1032016
510S2	1037036	535A2	1047013	510S2RH	1037026
515A2	1039024	540R2	1049042	515S2RH	1039019
515S2	1039027	550R2	1051019	520R2RH	1041028
520R2	1041026			525A2RH	1043025



Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44
Limit Switch Type	Rapid Adjustment RA
Limit Switch Capacity	46 Turns
Temperature Working Range	14°F to 140°F (-10°C to 60°C)
Insulation Class	Class 1 for 120V AC
Wiring	Do not parallel wire

Dimensions



Dimensions	504	506	510S2	515A2	515S2	520	525	530	535	540	550
L1	19.88 in (505 mm)	20.67 in (525 mm)	21.85 in (555 mm)	20.67 in (525 mm)	23.82 in (605 mm)	20.67 in (525 mm)	21.85 in (555 mm)	21.85 in (555 mm)	23.82 in (605 mm)	23.82 in (605 mm)	23.82 in (605 mm)
L2	19.29 in (490 mm)	20.10 in (510 mm)	21.26 in (540 mm)	20.10 in (510 mm)	23.23 in (590 mm)	20.10 in (510 mm)	21.26 in (540 mm)	21.26 in (540 mm)	23.23 in (590 mm)	23.23 in (590 mm)	23.23 in (590 mm)
L3 (Star Head only)	20.20 in (513 mm)	20.98 in (533 mm)	22.17 in (563 mm)	20.98 in (533 mm)	24.13 in (613 mm)	20.98 in (533 mm)	22.17 in (563 mm)	22.17 in (563 mm)	24.13 in (613 mm)	24.13 in (613 mm)	24.13 in (613 mm)
L3 (Round Head only)	20.08 in (510 mm)	20.87 in (530 mm)	22.05 in (560 mm)		24.02 in (610 mm)	20.98 in (533 mm)	22.17 in (563 mm)				
Cable Length	6.5 ft (2m)										

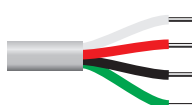
Optional cables available in 6ft, 12ft, 24ft.

Specifications

	504	506	510S2	515A2	515S2	520	525	530	535	540	550
Torque	4 Nm	6 Nm	10 Nm	15 Nm	15 Nm	20 Nm	25 Nm	30 Nm	35 Nm	40 Nm	50 Nm
Nominal Voltage	120V / 60Hz										
Rated Current	.7A	.95A	1.3A	1.1A	1.8A	1.1A	1.6A	1.5A	2.1A	1.8A	2.1A
Speed	38 rpm	38 rpm	38 rpm	20 rpm	38 rpm	14 rpm	20 rpm	14 rpm	20 rpm	14 rpm	14 rpm
Thermal Protection	5 minutes										
Sound Level (RH only)	52 dBA	55 dBA	56 dBA	NA	56 dBA	NA	NA	NA	NA	NA	NA

Type of power cable

Wired 120V AC / 60 Hz 4 conductor cable



white = neutral
red = direction 1
black = direction 2
green = ground

LT50 RA CMO

(Rapid Limit Adjustment – Compact Manual Override)



Offers control via power switching

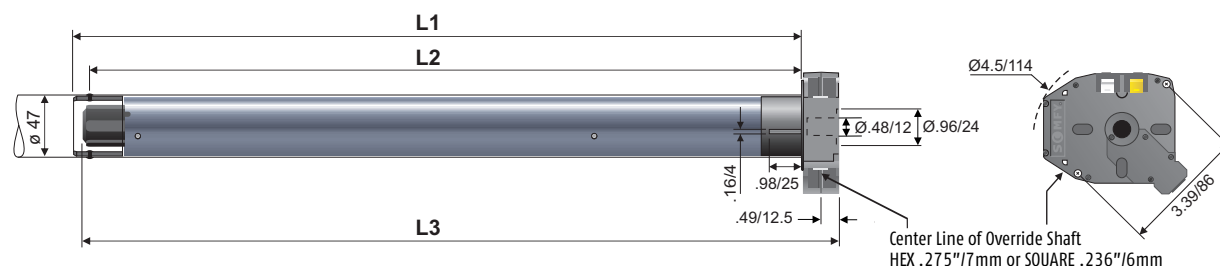
525A2 CMO	1043010	540R2 CMO	1049026
530R2 CMO	1045017	550R2 CMO	1051014
535A2 CMO	1047006		



Technical Features

Voltage Supply	120V AC, 60Hz	Temperature Working Range	14°F to 104°F (-10°C to 40°C)
Index Protection Rating	IP 44	Insulation Class	Class 1 for 120V AC
Limit Switch Type	Rapid Adjustment (RA) (includes manual override)	Wiring	Do not parallel wire
Limit Switch Capacity	34 Turns		

Dimensions



Dimensions	525A2 CMO	530R2 CMO	535A2 CMO	540R2 CMO	550R2 CMO
L1	23.39 in (594 mm)	23.39 in (594 mm)	26.14 in (664 mm)	26.14 in (664 mm)	26.14 in (664 mm)
L2	22.80 in (579 mm)	22.80 in (579 mm)	25.55 in (649 mm)	25.55 in (649 mm)	25.55 in (649 mm)
L3	23.90 in (607 mm)	23.90 in (607 mm)	26.65 in (677 mm)	26.65 in (677 mm)	26.65 in (677 mm)
Cable Length	6ft (1.8 m)				

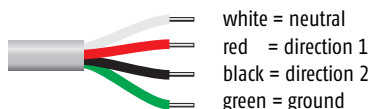
Optional cables available in 6 ft, 12 ft, 24 ft.

Specifications

	525A2 CMO	530R2 CMO	535A2 CMO	540R2 CMO	550R2 CMO
Torque	25 Nm	30 Nm	35 Nm	40 Nm	50 Nm
Nominal Voltage	120V / 60Hz				
Rated Current	1.6A	1.5A	2.1A	1.8A	2.1A
Speed	20 rpm	14 rpm	20 rpm	14 rpm	14 rpm
Thermal Protection	5 minutes				

Type of power cable

Wired
120V AC / 60Hz
4 conductor cable



LT 50 PA

(Progressive Limit Adjustment)



Offers control via power switching

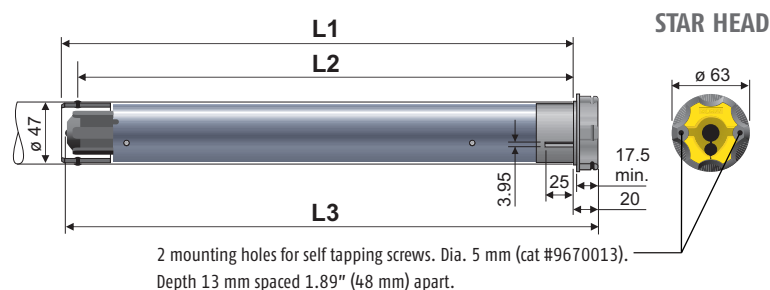
506S2PA	1032042	510R2PA	1037395
506S2PS	1032082	535A2PA	1047298
510S2PA	1037042		



Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44
Limit Switch Type	Progressive Adjustment PA
Limit Switch Capacity	29 Turns
Temperature Working Range	14°F to 104°F (-10°C to 40°C)
Insulation Class	Class 1 for 120V AC
Wiring	Do not parallel wire

Dimensions



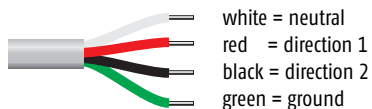
Dimensions	506S2PA	506S2PS*	510S2PA	510R2PA	535A2PA
L1	20.67 in (525 mm)	20.67 in (525 mm)	21.85 in (555 mm)	19.88 in (505 mm)	23.82 in (605 mm)
L2	20.08 in (510 mm)	20.08 in (510 mm)	21.26 in (540 mm)	19.29 in (490 mm)	23.23 in (590 mm)
L3	20.98 in (533 mm)	20.98 in (533 mm)	22.17 in (563 mm)	20.19 in (513 mm)	24.13 in (613 mm)
Cable Length	5 in. (.12 m)	5 in. (.12 m)	5 in. (.12 m)	5 in. (.12 m)	3.28ft (1 m)

Specifications

	506S2PA	506S2PS*	510S2PA	510R2PA	535A2PA
Torque	6 Nm	6 Nm	10 Nm	10 Nm	35 Nm
Nominal Voltage	120V / 60Hz				
Rated Current	.95A	.95A	1.3A	.7A	2.1A
Speed	38 rpm	38 rpm	38 rpm	14 rpm	20 rpm
Thermal Protection	5 minutes				
Sound Level	55 dBA	55 dBA	55 dBA	NA	NA

Type of power cable PA

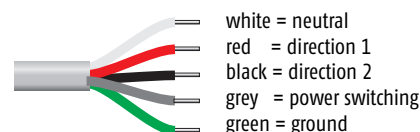
Wired
120V AC / 60Hz
4 conductor cable



Type of power cable PS

*Progressive Limit Adjustment with external power switching capability when limit is reached.

Wired
120V AC / 60Hz
5 conductor cable





506S2	1032500	535A2	1037509	506S2 RH	1037519
510S2	1037501	540R2	1037510	510S2 RH	1037521
525A2	1043287	550R2	1037511		
530R2	1037507				

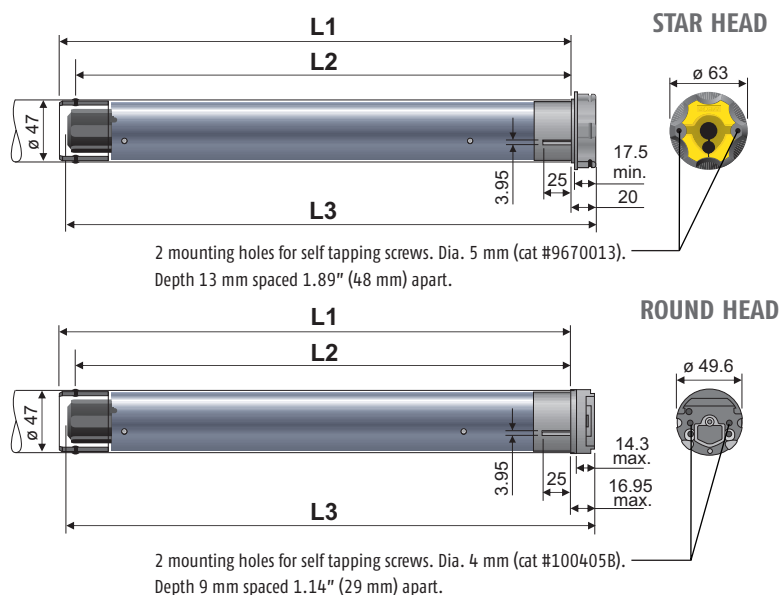


Radio Technology Somfy® (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44
Limit Switch Type	Electronic RTS
Limit Switch Capacity	250 Turns (Round Head limited to 3 minutes of rotation without stop)
Temperature Working Range	Star Head 14°F to 104°F (-10°C to 40°C) Round Head 32°F to 140°F (0°C to 60°C)
Insulation Class	Class 1 for 120V AC
Antenna	Integrated into power cord. Must be at least 12 inches and must not come in contact with metal

Dimensions



Dimensions	506	510	525	530	535	540	550
L1	23.82 in (605 mm)	25.79 in (655 mm)	25.79 in (655 mm)	25.79 in (655 mm)	26.57 in (605 mm)	26.57 in (605 mm)	26.57 in (605 mm)
L2	23.23 in (590 mm)	25.20 in (640 mm)	25.20 in (640 mm)	25.20 in (640 mm)	25.98 in (660 mm)	25.98 in (660 mm)	25.98 in (660 mm)
L3	SH 24.13 in (613 mm) RH 24.02 in (610 mm)	SH 26.10 in (663mm) RH 25.98 in (660mm)	26.10 in (663 mm)	26.10 in (663 mm)	26.89 in (683 mm)	26.89 in (683 mm)	26.89 in (683 mm)
Cable Length	6.5 ft (2 m)	6.5 ft (2 m)	12.3 ft (3.75 m)	6.5 ft (2 m)	12.3 ft (3.75 m)	6.5 ft (2 m)	6.5 ft (2 m)

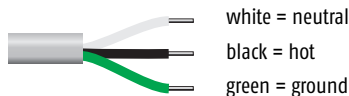
Optional cables with NEMA plugs available in 3ft, 6ft, 12ft, 18ft, 24ft.

Specifications

	506	510	525	530	535	540	550
Torque	6 Nm	10 Nm	25 Nm	30 Nm	35 Nm	40 Nm	50 Nm
Nominal Voltage	120V/60Hz						
Rated Current	1.1A	1.3A	1.6A	1.5A	2.1A	1.8A	2.1A
Speed	38 rpm	38 rpm	20 rpm	14 rpm	20 rpm	14 rpm	14 rpm
Thermal Protection	5 minutes						
Radio Frequency	433.42 MHz	433.42 MHz	433.42 MHz	433.42 MHz	433.42 MHz	433.42 MHz	433.42 MHz

Type of power cable

RTS 120V AC / 60 Hz 3 conductor cable



LT50 RTS CMO

(Compact Manual Override)



525A2 CMO 1043020
530R2 CMO 1045014
535A2 CMO 1047010

540R2 CMO 1049013
550R2 CMO 1051012

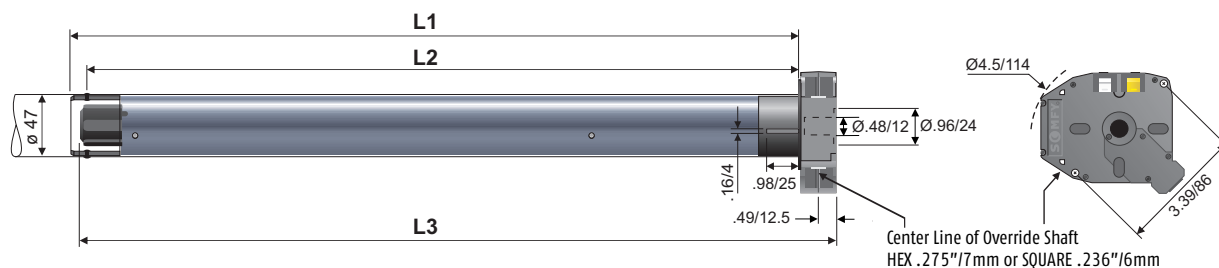


Radio Technology Somfy® (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical Features

Voltage Supply	120V AC, 60Hz	Temperature Working Range	14°F to 104°F (-10°C to 40°C)
Index Protection Rating	IP 44	Insulation Class	Class 1 for 120V AC
Limit Switch Type	Rapid Adjustment RA and Electronic Receiver Integrated in motor tube	Antenna	Integrated into power cord. Must be at least 12 inches and must not come in contact with metal
Limit Switch Capacity	34 Turns	Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes

Dimensions



Dimensions	525	530	535	540	550
L1	30.47 in (774 mm)	30.47 in (774 mm)	30.47 in (774 mm)	30.47 in (774 mm)	30.47 in (774 mm)
L2	29.88 in (759 mm)	29.88 in (759 mm)	29.88 in (759 mm)	29.88 in (759 mm)	29.88 in (759 mm)
L3	30.98 in (787 mm)	30.98 in (787 mm)	30.98 in (787 mm)	30.98 in (787 mm)	30.98 in (787 mm)
Cable Length	12 ft (3.6 m)	6 ft (1.8 m)	12 ft (3.6 m)	6 ft (1.8 m)	6 ft (1.8 m)

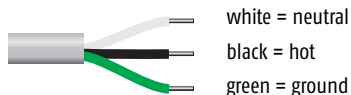
Optional cables with NEMA plugs available in 6 ft, 12 ft, 18 ft, 24 ft.

Specifications

	525	530	535	540	550
Torque	25 Nm	30 Nm	35 Nm	40 Nm	50 Nm
Nominal Voltage	120V / 60Hz				
Rated Current	1.6A	1.5A	2.1A	1.8A	2.1A
Speed	20 rpm	14 rpm	20 rpm	14 rpm	14 rpm
Thermal Protection	5 minutes				
Radio Frequency	433.42 MHz				

Type of power cable

RTS
120V AC / 60Hz
3 conductor cable



LT50 Orea® RTS

Specifically designed for use in cassette awnings only



535A2 1037522
550R2 1037523

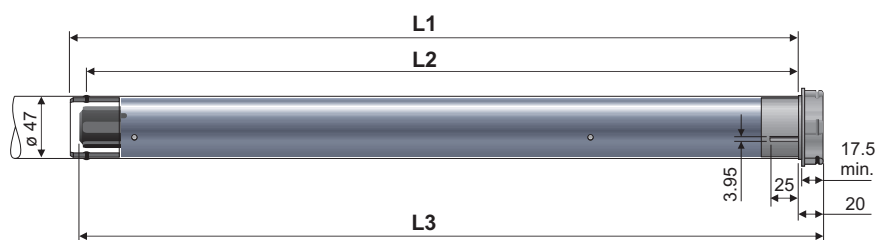


Radio Technology Somfy® (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical Features

Voltage Supply	120V AC, 60Hz	Temperature Working Range	14°F to 104°F (-10°C to 40°C)
Index Protection Rating	IP 44	Insulation Class	Class 1 for 120V AC
Limit Switch Type	Electronic RTS	Antenna	Integrated into power cord. Must be at least 12 inches and must not come in contact with metal
Limit Switch Capacity	250 Turns	Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes

Dimensions



2 mounting holes for self tapping screws.
Dia. 5 mm (cat #9670013)
Depth 13 mm
Spaced 1.89" (48 mm) apart

Dimensions	535	550
L1	26.57 in (675 mm)	26.57 in (675 mm)
L2	25.98 in (660 mm)	25.98 in (660 mm)
L3	26.89 in (683 mm)	26.89 in (683 mm)
Cable Length	13.1 ft (4 m)	

Optional cables with NEMA plugs available in 3 ft, 6 ft, 12 ft, 18 ft, 24 ft.

Specifications

	535	550
Torque	35 Nm	50 Nm
Nominal Voltage	120V / 60Hz	
Rated Current	2.1A	
Speed	20 rpm	14 rpm
Thermal Protection	5 minutes	
Radio Frequency	433.42 MHz	433.42 MHz

Please Note:

Orea® RTS motor is specifically designed for cassette awnings only. Automatic limit setting in the UP direction.

Type of power cable

RTS
120V AC / 60Hz
3 conductor cable



white = neutral
black = hot
green = ground



525A2 1033035

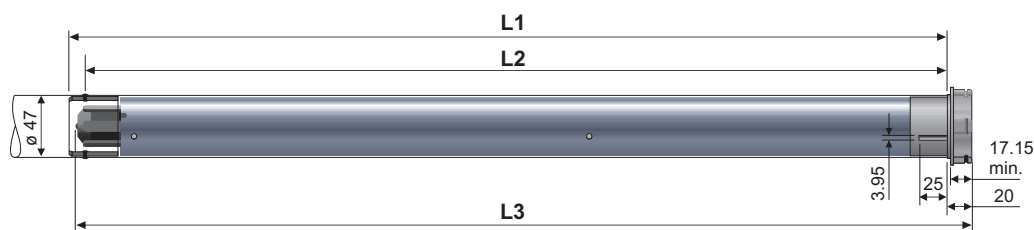


Radio Technology Somfy® (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical Features

Voltage Supply	120V AC, 60Hz	Temperature Working Range	14°F to 104°F (-10°C to 40°C)
Index Protection Rating	IP 44	Insulation Class	Class 1 for 120V AC
Limit Switch Type	Electronic RTS	Antenna	Integrated into power cord. Must be at least 12 " and must not come in contact with metal.
Limit Switch Capacity	200 Turns	Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes.

Dimensions



Dimensions

L1	25.79 in (655 mm)
L2	25.20 in (640 mm)
L3	26.10 in (663 mm)
Cable Length	6.5 ft (2 m)

Optional cables with NEMA plugs available in 3 ft, 6 ft, 12 ft, 18 ft, 24 ft.

Specifications

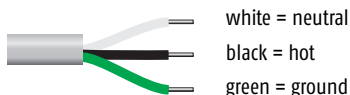
Torque	25 Nm
Nominal Voltage	120V AC / 60Hz
Rated Current	1.6A
Speed	20 rpm
Thermal Protection	4 minutes
Radio Frequency	433.42 MHz

Type of power cable

RTS

120V AC / 60Hz

3 conductor cable



Sunea™ RTS CMO (Compact Manual Override)

Specifically designed for use in cassette and standard retractable awnings only



525A2 CMO 1114230
535A2 CMO 1116266
550R2 CMO 1118167

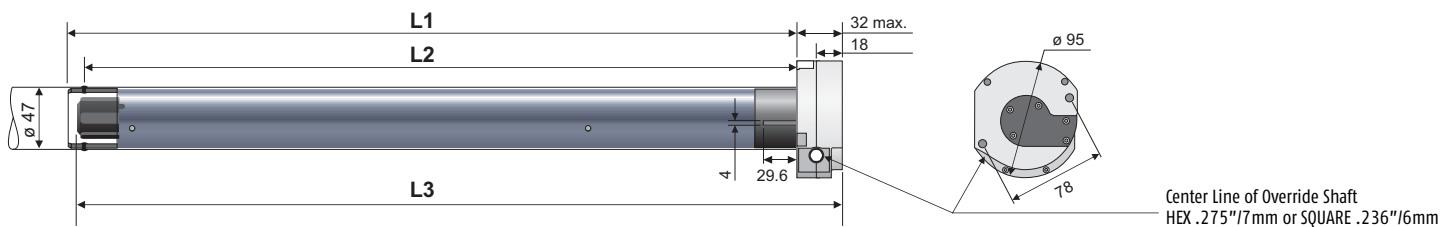


Radio Technology Somfy® (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical Features

Voltage Supply	120V AC, 60Hz	Temperature Working Range	14°F to 104°F (-10°C to 40°C)
Index Protection Rating	IP 44	Insulation Class	Class 1 for 120V AC
Limit Switch Type	Electronic RTS	Antenna	Integrated into power cord. Must be at least 12 inches and must not come in contact with metal
Limit Switch Capacity	250 Turns	Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes

Dimensions



Dimensions	525A2 CMO	535A2 CMO	550R2 CMO
L1	27.40 in (696 mm)	27.40 in (696 mm)	27.40 in (696 mm)
L2	26.93 in (684 mm)	26.93 in (684 mm)	26.93 in (684 mm)
L3	28.35 in (720 mm)	28.35 in (720 mm)	28.35 in (720 mm)

Optional fast connector cables with NEMA plugs available in 12 ft, 18 ft, 24 ft.

Specifications

	525A2 CMO	535A2 CMO	550R2 CMO
Torque	25 Nm	35 Nm	50 Nm
Nominal Voltage	120V / 60Hz		
Rated Current	1.6A	2.1A	2.1A
Speed	20 rpm	20 rpm	14 rpm
Thermal Protection	4 minutes		
Radio Frequency	433.42 MHz		

Type of power cable – SJTW + 18 in.

fast connector male
(Do not cut fast connector cable)



LT50 ILT2

Star Head and Round Head Motors

506S2	1100019	506S2RH	1030074
515S2	1100026	515S2RH	1103017
535A2	1030075	535A2RH	1030076

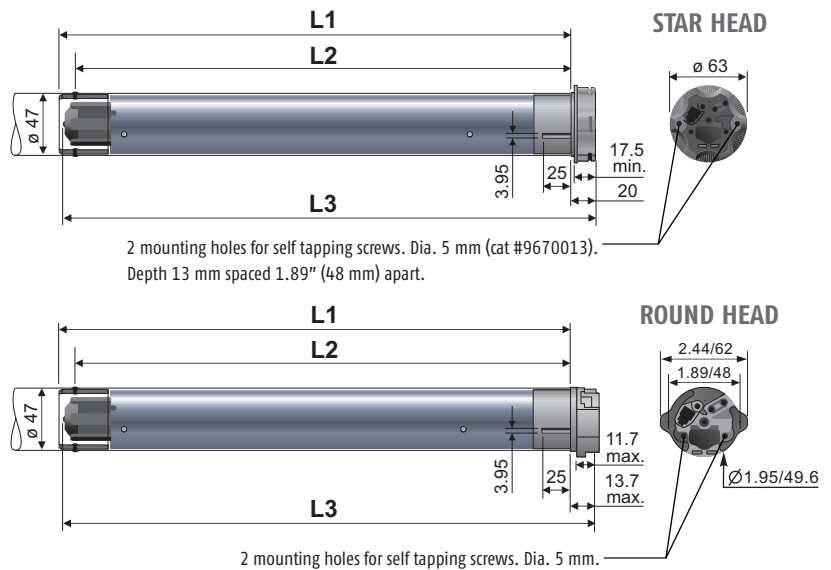


A new generation of intelligent LT motors that can be controlled and monitored via Somfy digital network solutions.

Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44
Limit Switch Type	Electronic
Limit Switch Capacity	300 Turns
Temperature Working Range	-4°F to 158°F (-20°C to 70°C)
Insulation Class	Class 1 for 120V AC

Dimensions



Specifications

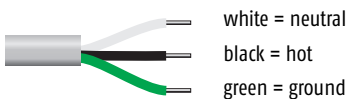
	506	515	535
Torque	6 Nm	15 Nm	35 Nm
Nominal Voltage	120V / 60Hz		
Rated Current	.95A	1.8A	2.1A
Speed	38 rpm	38 rpm	20 rpm
Thermal Protection	5 minutes		
Sound Level	55 dBA	56 dBA	58 dBA

Dimensions	506	515	535	535RH
L1	23.82 in (605mm)	23.23 in (590mm)	24.13 in (613mm)	24.02 in (610mm)
L2	26.57 in (675mm)	25.98 in (660mm)	26.89 in (683mm)	26.77 in (680mm)
L3	26.57 in (675mm)	25.98 in (660mm)	26.89 in (683mm)	26.77 in (680mm)
Power Cable Length	6.5ft (2m)			
Data Cable Length (included)	1ft (.3m) / 4 wires / RJ9 phone connectors		5ft (1.5m) / 4 wires / RJ9 phone connectors	

Optional cables with NEMA plugs available in 3ft, 6ft, 12ft, 18ft, 24ft.

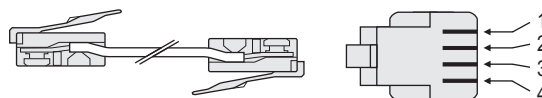
Type of power cable

ILT:
120V AC / 60 Hz 3 threads by wire



Data cable

RJ9 Pin Outs



PIN COLOR	4 RED	3 BLUE	2 WHITE	1 YELLOW
ILT Protocol	-	GND	-	DATA
Dry Contact	OPEN	GND	-	CLOSE
IR Contact	IR	GND	+5V	-

Optional Data Cables:

ILT white data cable - 1 ft. (.3m)	Part #9209060
ILT white data cable - 5 ft. (1.5m)	Part #9209061
ILT white data cable - 25 ft. (7.5m)	Part #9012343
ILT white data cable - 50 ft. (15m)	Part #9012344

LT50 RS485

Star Head Motor



51552 1002427
535A2 1002288



A new generation of intelligent motors that are controlled and monitored via Somfy digital network solutions and animeo IP total solar management system.

Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44 (interior & exterior use)
Limit Switch Type	Electronic
Limit Switch Capacity	300 Turns
Temperature Working Range	-4°F to 140°F (-20°C to 60°C) Interior and exterior use
Insulation Class	Class 1 for 120V AC
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes

Specifications

	515	535
Torque	15 Nm	35 Nm
Nominal Voltage	120V / 60Hz	120V / 60Hz
Rated Current	1.8A	2.1A
Speed	38 rpm	20 rpm
Thermal Protection	4 minutes	4 minutes
*Sound Level	≤ 55 dBA	≤ 55 dBA

*Sound Level:

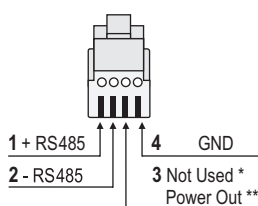
Sound level measured at 3 feet from end product at maximum rated torque.

Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube.
- Interior Tube Diameter (ID) > 47mm must be respected.
- A motor crown adapter between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft.
- Somfy Soft Clip Drive Wheel Adapters (brown in color) are not recommended.

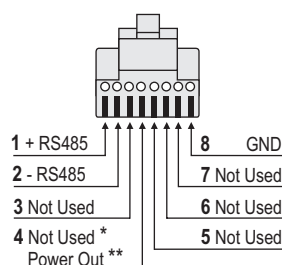
Data Cable: RJ9/RJ45 (sold separately)

RJ9 connects to motor

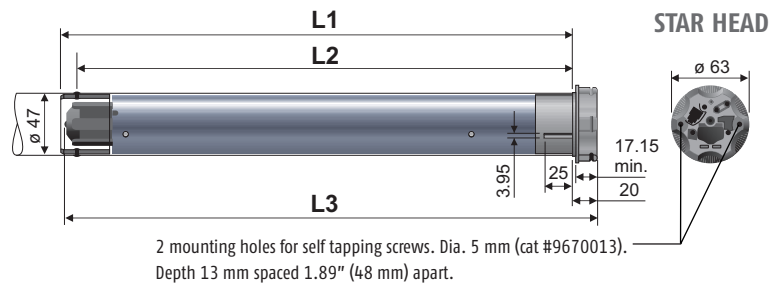


* Data cable (black) for animeo IP networks
** Data cable (grey) for powering external modules

RJ45 connects to network



Dimensions



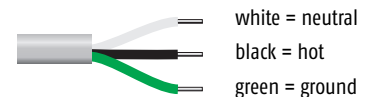
Dimensions

L1	26.57 in (675 mm)
L2	25.98 in (660 mm)
L3	26.89 in (683 mm)
SJTW Power Cable Length	9.8 ft (3 m)
Data Cable (must be ordered separately)	Customizable and available in various lengths

Optional cables with NEMA plugs available in 3 ft, 6 ft, 12 ft, 18 ft, 24 ft.

Type of power cable

120V AC / 60Hz
3 conductor cable



4 Cond. 26AWG modular cable with RJ9 on one end and RJ45 other end - (RTS, Z-Wave®, ZigBee® modules)

GREY WITH
POWER OUT

2.5 ft long	#9018545
8 ft long	#9018546
12 ft long	#9018547
24 ft long	#9018548

4 Cond. 26AWG modular cable with RJ9 on one end and RJ45 other end - (SDN - animeo IP)

BLACK WITHOUT
POWER OUT

2.5 ft long	#9018541
8 ft long	#9018542
12 ft long	#9018543
24 ft long	#9018544

CONTROL ACCESSORIES

Learn more about controls and accessories and download RTS brochure at www.somfysystems.com/controls

RADIO TECHNOLOGY SOMFY® (RTS)



TELIS COLLECTION



Telis 1 RTS Lounge
Single Channel Remote
1810650



Telis 4 RTS Lounge
Five Channel Remote
1810652



Telis 1 RTS Silver
Single Channel Remote
1810639



Telis 4 RTS Silver
Five Channel Remote
1810641



Telis 1 RTS Pure
Single Channel Remote
1810632



Telis 4 RTS Pure
Five Channel Remote
1810633



Telis 1 Soliris
RTS Pure
1810635



Telis 1 RTS Patio
Single Channel Remote
1810643



Telis 4 RTS Patio
Five Channel Remote
1810645



Telis 1 Soliris
RTS Patio
1810647



Telis 4 Soliris
RTS Patio
1811243



Telis 1 Modulus
RTS Pure with
Scroll Wheel
1811234



Telis 4 Modulus
RTS Pure with
Scroll Wheel
1811235



Telis 16 Channel RTS
Pure Remote with
On-screen display
1811081



Telis 16 Channel RTS
Silver Remote with
On-screen display
1811082



Telis 1 Chronis RTS
Pure Timer with
On-screen display
1805237



Telis 1 Chronis RTS
Silver Timer with
On-screen display
1805238

DECOFLEX WIREFREE™ WALL SWITCHES & TABLE TOP ACCESSORIES



DecoFlex 1
Channel RTS
Wireless Wall Switch



DecoFlex 2
Channel RTS
Wireless Wall Switch



DecoFlex 3
Channel RTS
Wireless Wall Switch



DecoFlex 4
Channel RTS
Wireless Wall Switch



DecoFlex 5
Channel RTS
Wireless Wall Switch



DecoFlex Table Top RTS
Accessory Black
1811051**



DecoFlex Table Top RTS
Accessory Silver
1810972**



DecoFlex Table Top RTS
Accessory White
1811185**

Wall Switches shown in white. Also available in black, ivory, and almond finishes. Shown above assembled with printed channel buttons.



**DecoFlex Switch sold separately from Table Top Accessory

NOTE: Custom Engraved buttons are now available.

CONTROL ACCESSORIES

RADIO TECHNOLOGY SOMFY® (RTS)



ZRTSI II



Z-Wave® to RTS® Interface 2

1811265

myLink™



WiFi to RTS Interface

Control window coverings, awnings, screens and rolling shutters with a smartphone or tablet. A simple on-screen setup wizard helps users create timed events, scenes and more. Compatible with iOS and Android.

1811403

16 CHANNEL INTERFACE



Universal RTS Interface 16-Channel
(Converts IR, RS232, RS485 to RTS)

1810872

RTS REPEATER



RTS Repeater

1810791

OUTDOOR RECEIVERS



Outdoor Lighting Receiver

1810875

Universal RTS Receiver

1810627

DRY CONTACT INTERFACE



RTS Dry Contact Interface
Single Channel

1810493

SUNIS & THERMO SUNIS INDOOR SENSORS



Sunis Indoor
WireFree™ RTS

9013707



Thermo Sunis Indoor
WireFree™ RTS

9013708

EOLIS SENSOR



Eolis RTS Wind
Sensor 24V

9012499

SOLIRIS SENSOR



Soliris RTS Sun and Wind
Sensor 24V

9012500

CONTROL ACCESSORIES

DIGITAL MOTOR INTERFACES

ZDMI



Z-Wave® to Digital
Motor Interface
1870171

ZBDMI



ZigBee® to Digital
Motor Interface
1870220

animeo® IP



animeo IP is a total solar management system utilizing Somfy-powered intelligent motorized window coverings as well as digital keypads and weather sensors. The system's controllers, sensors and keypads can be added to both new and existing Somfy Digital Network installations for comprehensive solar management as either a stand-alone solution or integrated into third party control systems.

An intuitive user interface allows for simplified commissioning, building management and technical support, featuring drag-and-drop programming, motor auto discovery and at-a-glance system status update.



animeo® IP Building Controller
1822314

Visit www.somfypro.com/animeo to learn more

WIRED AC CONTROLS & SWITCHES



GROUP CONTROL SYSTEM II (GCS II)

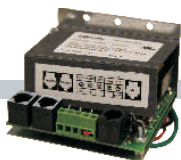


Group Control System II
(GCS II)
1810476



GCS II RTS Radio Receiver
1810854

STANDARD INDIVIDUAL GROUP CONTROL (IGC) (110V AC)



IGC
(Single Motor)
1810522



IGC 3N1
(3 Motors)
1810523

INDIVIDUAL GROUP CONTROL II (IGC II) (110V AC)



IGC II
(Single Motor)
1810535



IGC II 3N1
(3 Motors)
1810536

IGC AND IGC II OPTIONS (110V AC)



IGC II Gang Electric Box
3.5" Deep
9013166



IGC RTS Radio Receiver
1810481

WIRED AC CONTROLS & SWITCHES



DECORATOR TOGGLE SWITCHES (single pole, double throw) & SWITCHPLATES



Maintained Toggle Switch
(White)
1800381



Maintained Toggle Switch
(Ivory)
1800380



Momentary Toggle Switch
(White)
1800383



Momentary Toggle Switch
(Ivory)
1800382



Standard Metal Toggle Switchplate
(White)
9011954



Standard Metal Toggle Switchplate
(Ivory)
9011953



Plastic Toggle Switchplate
(White)
9011963



Plastic Toggle Switchplate
(Ivory)
9011962

DECORATOR PADDLE SWITCHES & SWITCHPLATES



Maintained Paddle Switch
(White)
1800374



Maintained Paddle Switch
(Ivory)
1800373



Momentary Paddle Switch
(White)
1800378



Momentary Paddle Switch
(Ivory)
1800377



Maintained Double Pole,
Double Throw Paddle Switch
(White)
1800375



Maintained Double Pole,
Double Throw Paddle Switch
(Ivory)
1800376



Single Gang Paddle Switchplate
(White)
9011967



Single Gang Paddle Switchplate
(Ivory)
9011966

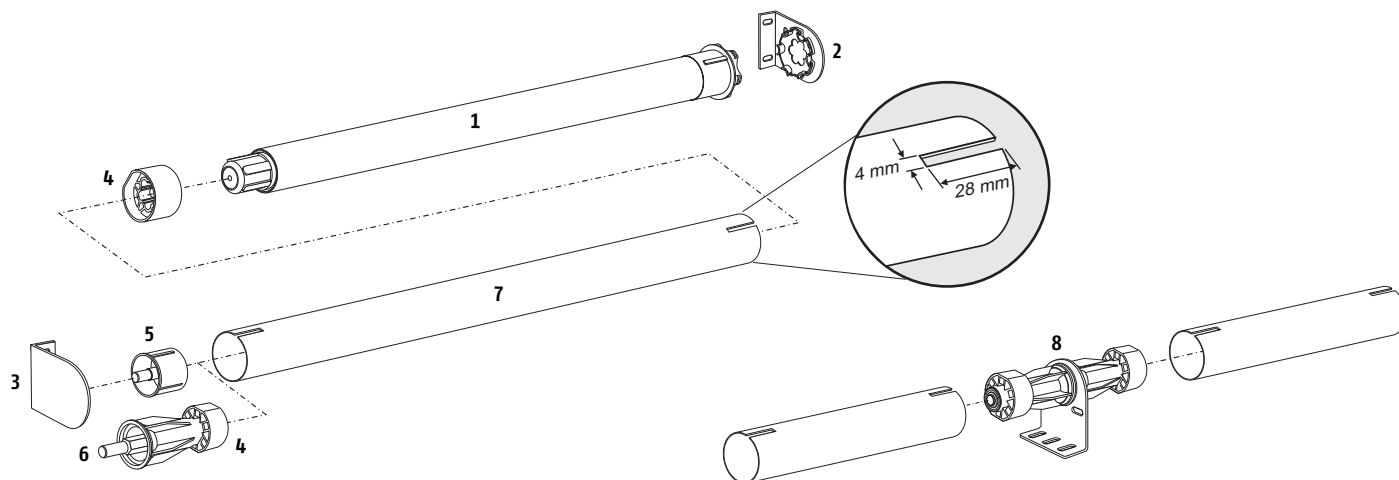
SPECIALTY SWITCH



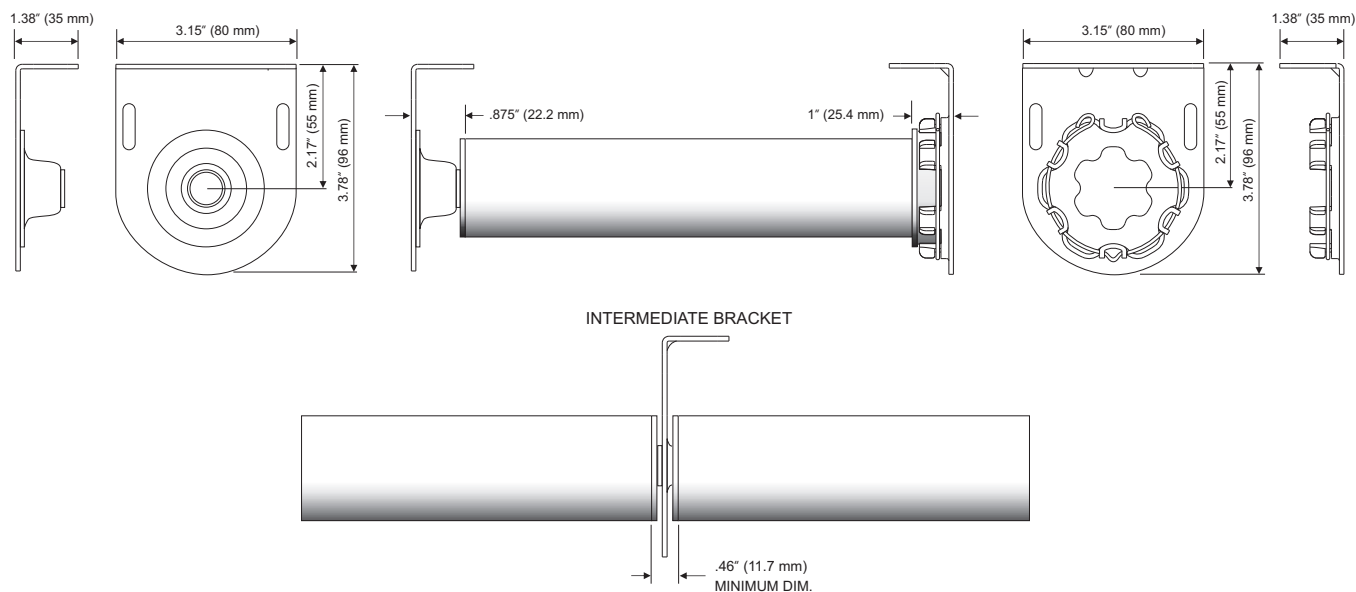
5 position Momentary/Maintained Rocker Switch
Switchplate included
(White)
1800388

500 SERIES HARDWARE SYSTEMS > SOMFY 2" SYSTEM

STANDARD BRACKET COMPONENTS



DIMENSIONS AND LIGHT GAP SPECIFICATIONS



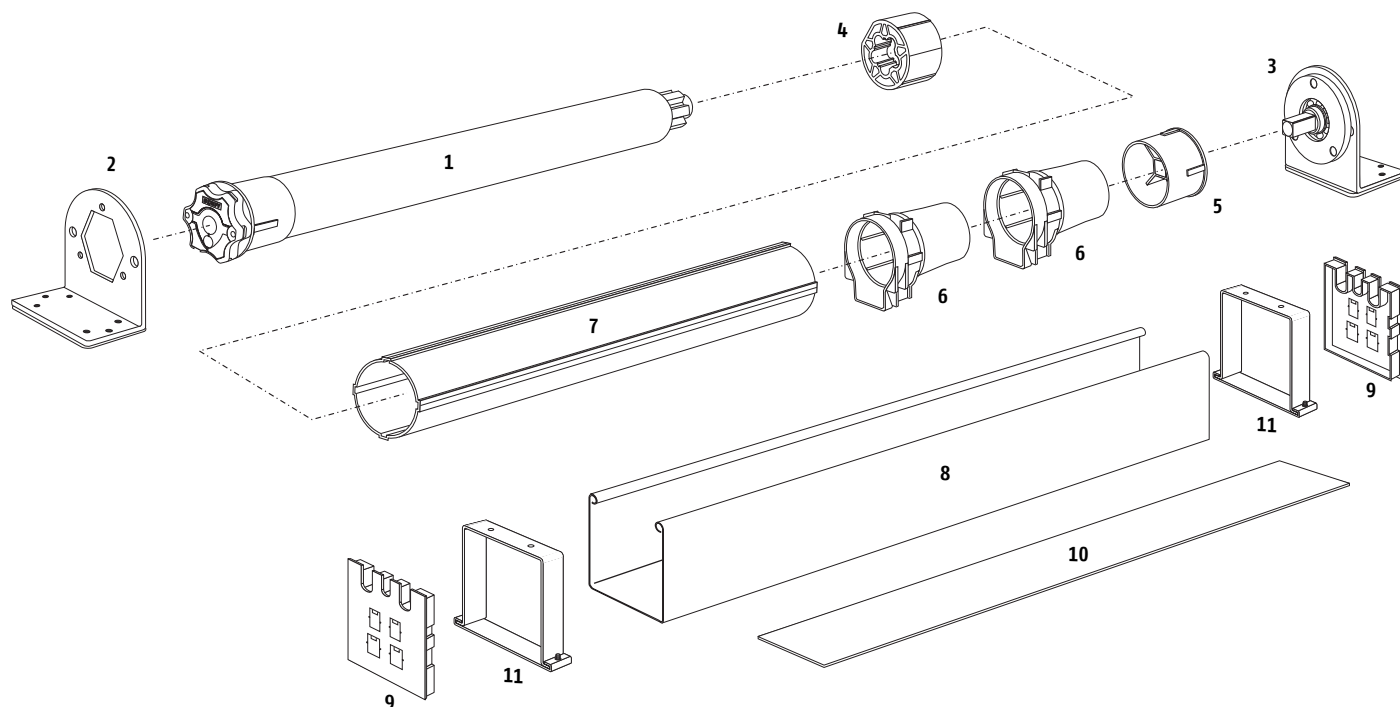
PRODUCT CHART

IMAGE	DESCRIPTION	CATALOG NUMBER
1	Motor - LT50 shown	Refer to individual 500 Series Spec Sheet
2	LT50 Universal Motor Bracket	9410651
3	LT50 Idler Bracket with 10 mm hole nylon bearing	9410635
4	2" Round LT50 - Hard Clip	9206088
5	2" Collapsible End Cap (silent) - 10 mm shaft (requires notch in tube)	9013592
6	2" Universal End Cap - Collapsible 10 mm shaft (requires notch in tube)	9420800
7	2" Aluminum Tube	1781148
8	LT50 2" Universal Intermediate Bracket Kit (requires notch in tube)	9410648

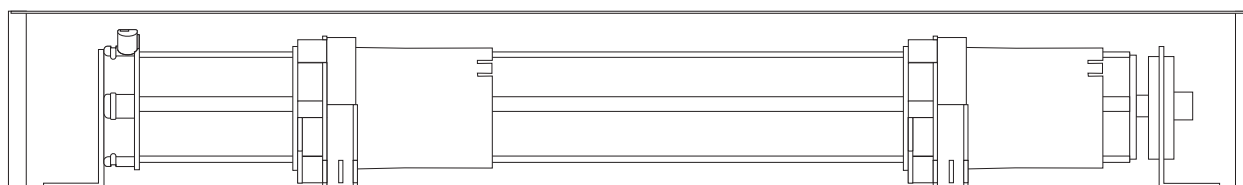
500 SERIES HARDWARE SYSTEMS >

SOMFY CTS50 SYSTEM

STANDARD BRACKET COMPONENTS



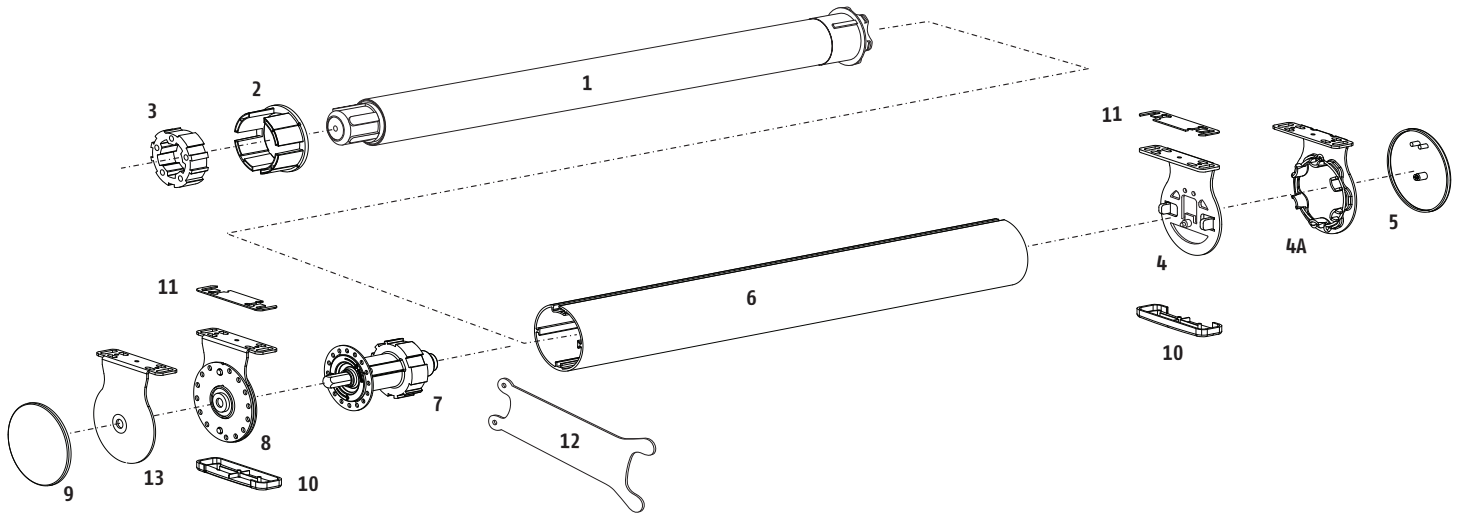
COMPLETE ASSEMBLY



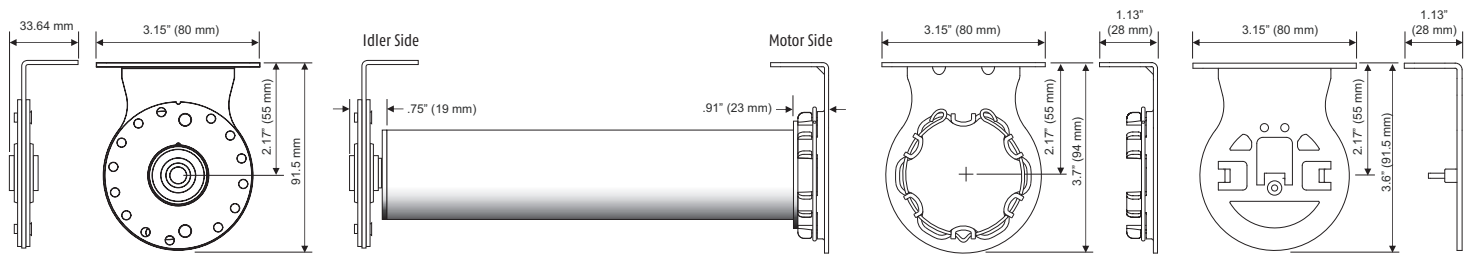
PRODUCT CHART

IMAGE	DESCRIPTION	CATALOG NUMBER
1	Motor - LT50 shown	Refer to individual 500 Series Spec Sheet
2	CTS50 Motor Mount Bracket	1781110
3	CTS50 Motor Idler Bracket	1781112
4	2" LT Drive for CTS50 tube	9704080
5	CTS50 Idler End Cap	1781113
6	CTS50 Kit (cone, cradle bearing, tilting rod, end cover)	1781129
7	CTS50 Aluminum Tube	1781150
8	CTS50 Aluminum Headrail	1781106
9	Headrail End Caps	1781105
10	Headrail Cover	1781107
11	Headrail Mounting Bracket	1781111

STANDARD BRACKET COMPONENTS



DIMENSIONS AND LIGHT GAP SPECIFICATIONS

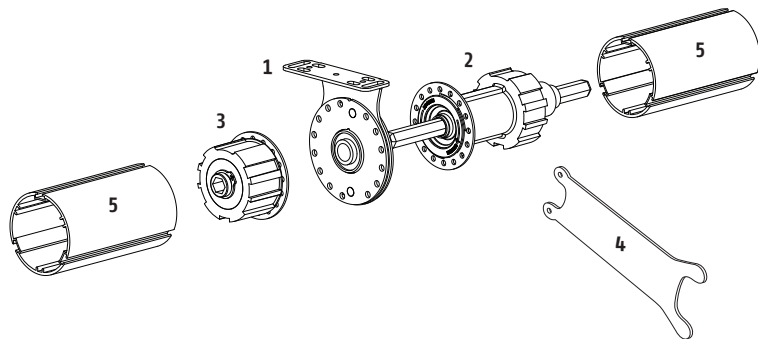


PRODUCT CHART

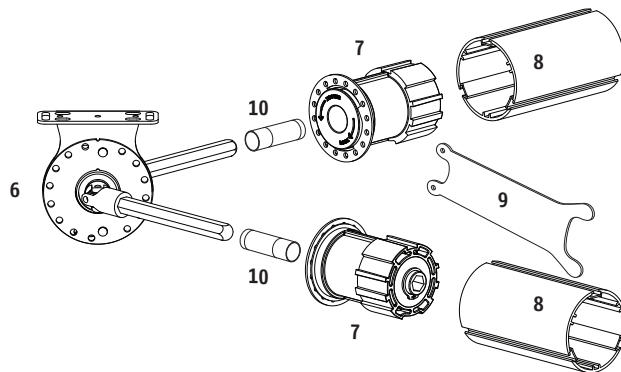
IMAGE	DESCRIPTION	CATALOG NUMBER
1	Motor (Sonesse™ 50 RTS)	Refer to individual 500 Series Spec Sheet
2	ST50 Crown 56 mm tube	9014125
3	ST50 Drive Wheel 56 mm tube	9014126
4	ST50 Round Head Motor Bracket 55P	9014109
4A	ST50 Star Head Motor Bracket 55P	9014135
5	ST50 Motor Bracket Cover	9014111
6	56 OD Aluminum Sonesse 50 tube (ft) - White Powder Coat	1780744
6	56 OD Aluminum Sonesse 50 tube (ft) - Mill Finish	1780743
7	ST50 Auto Plug End 56 mm tube	9014097
8	ST50 Adjustable Idler Bracket - Ceiling Mount 55P	9014110
8	ST50 Adjustable Idler End Bracket - Wall Mount 55P	9014238
9	ST50 Idler Bracket Cover	9014112
10	ST50 Screw Plate Cover	9014113
11	ST50 Mounting Shim	9014124
12	ST50 Bracket Leveling Adjuster Tool	1780742
13	Non-Adjustable Idler Bracket 55P	9014683

INTERMEDIATE BRACKET COMPONENTS (STANDARD & 0-90°)

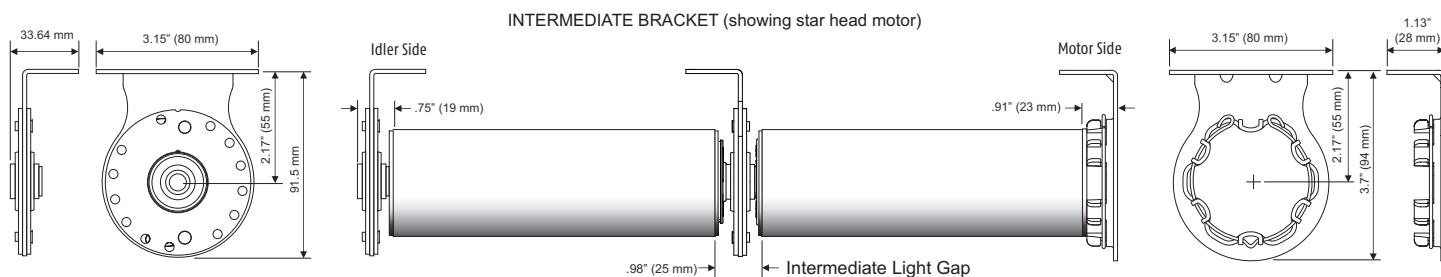
INTERMEDIATE STANDARD



INTERMEDIATE 0° - 90°



DIMENSIONS AND LIGHT GAP SPECIFICATIONS (INTERMEDIATE)



PRODUCT CHART - Standard

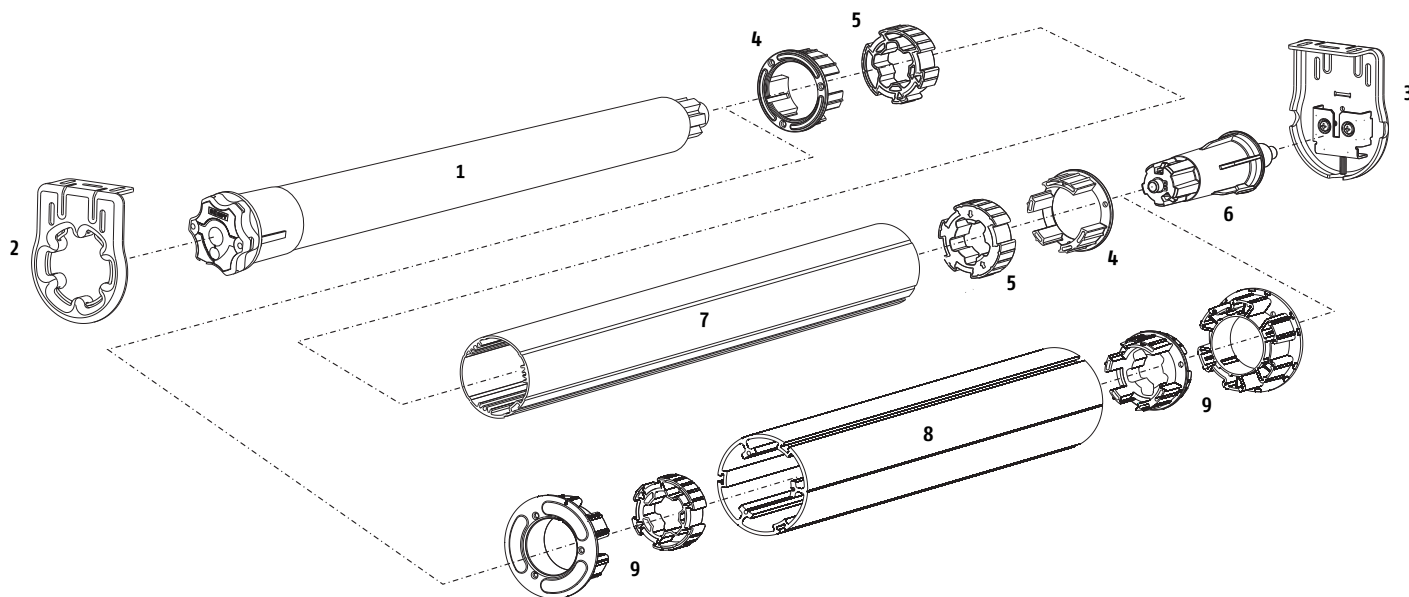
IMAGE	DESCRIPTION	CATALOG NUMBER
1	ST50 Intermediate Bracket ceiling mount 55P	9014120
1	ST50 Intermediate Bracket wall mount 55P	9014240
2	ST50 Intermediate Drive 56 mm tube	9014114
3	ST50 Intermediate Receiver 56 mm tube	9014121
4	ST50 Bracket Leveling Adjuster Tool	1780742
5	56mm OD Aluminum Sonesse 50 tube (ft) - white powder coat	1780744
5	56mm OD Aluminum Sonesse 50 tube (ft) - mill finish	1780743

PRODUCT CHART - 0° to 90°

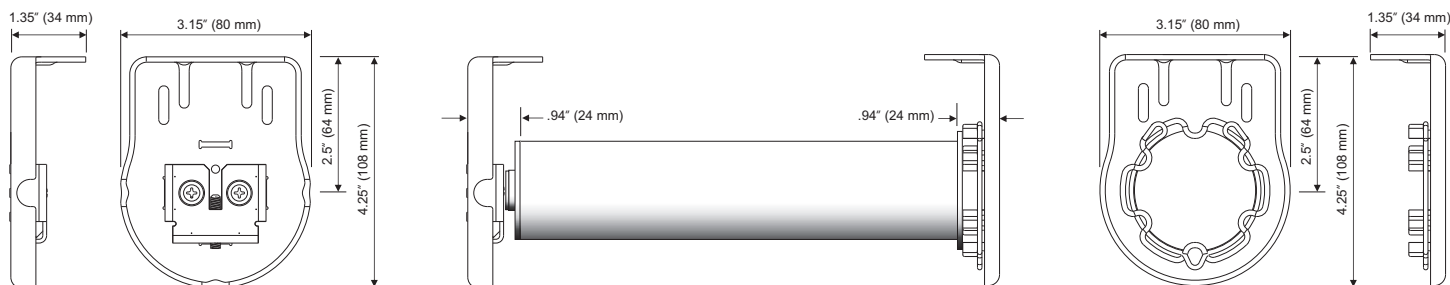
IMAGE	DESCRIPTION	CATALOG NUMBER
6	ST50 Intermediate Bracket ceiling mount 55P / 90°	9014122
6	ST50 Intermediate Bracket wall mount 55P / 90°	9014239
7	ST50 Intermediate Receiver 56mm tube 90° (spacer included)	9014123
8	56mm OD Aluminum Sonesse 50 tube (ft) - white powder coat	1780744
8	56mm OD Aluminum Sonesse 50 tube (ft) - mill finish	1780743
9	ST50 Bracket Leveling Adjuster Tool	1780742
10	Spacer (included with 9014123)	NA

500 SERIES HARDWARE SYSTEMS > ROLLEASE® SILENT PIN SYSTEM

STANDARD BRACKET COMPONENTS



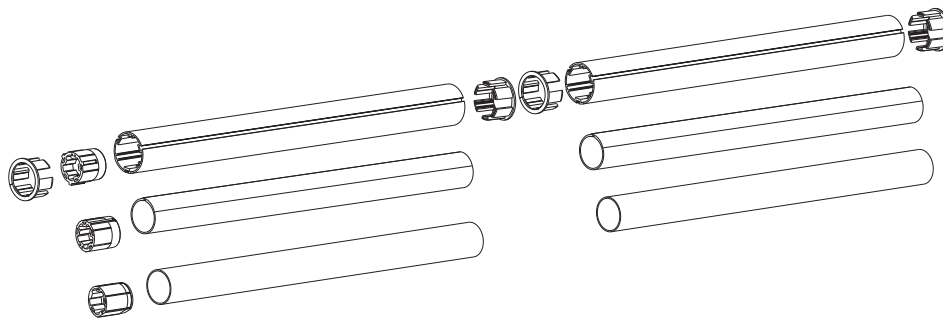
DIMENSIONS AND LIGHT GAP SPECIFICATIONS



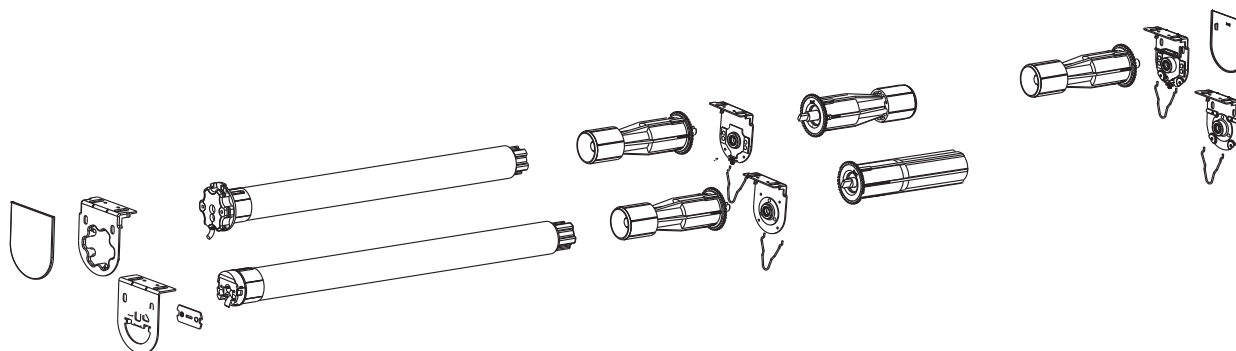
PRODUCT CHART

IMAGE	DESCRIPTION	CATALOG NUMBER
1	Motor – LT50 shown	Refer to individual 500 Series Spec Sheet
2	Rollease® “Silent Pin” Motor Bracket (white)	9016858
3	Rollease® “Silent Pin” Idler Bracket (wall and ceiling mount – white)	9016859
4	Rollease® “Silent Pin” Crown only for Rollease 2.5” (63 mm) tube	9016856
4 & 5	Rollease® “Silent Pin” Crown and Drive Adapter for Rollease 2.5” (63 mm) tube	9015234
6	Rollease® “Silent Pin” Idler End Pin	9016857
7	2.5” O.D. Aluminum Tube	1781343
8	3.25” O.D. Aluminum Tube	1782096
9	Rollease® “Silent Pin” Crown and Drive Adapter for Rollease 3.25” (83 mm) tube	9016855

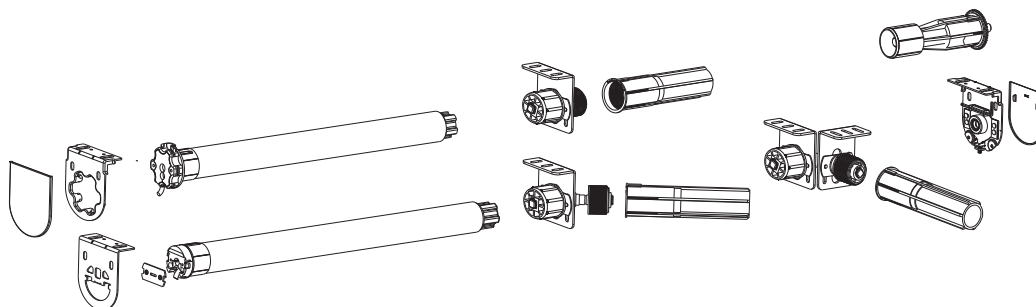
Standard Roller Tube and Accessories



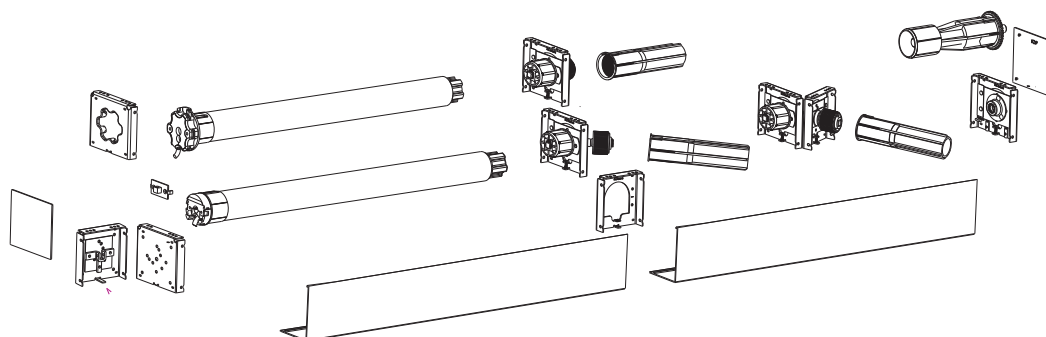
Motor Brackets and Accessories for Somfy 500 Series Motors



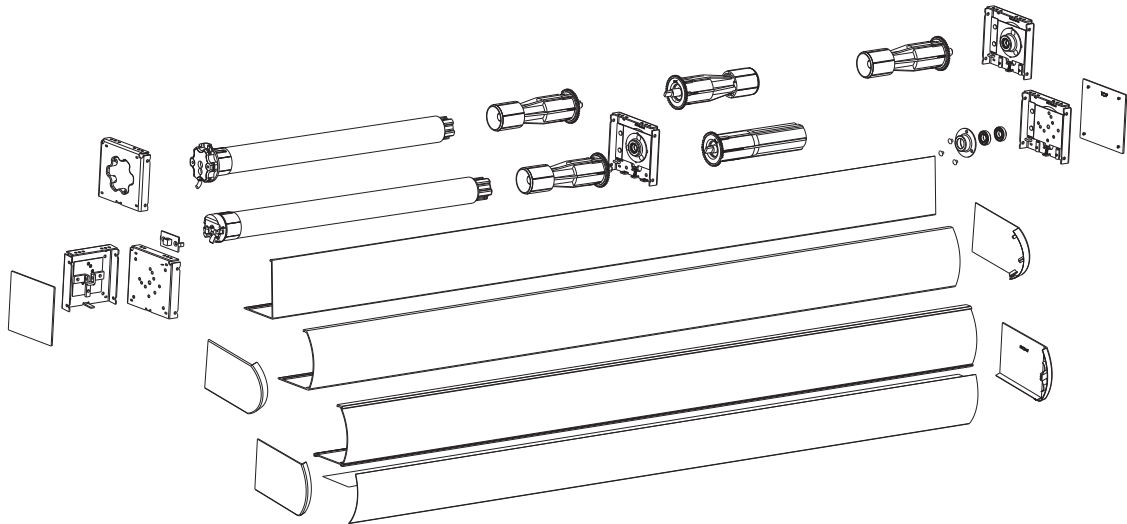
Motor U-joint Indexable Bracket for Somfy 500 Series Motors



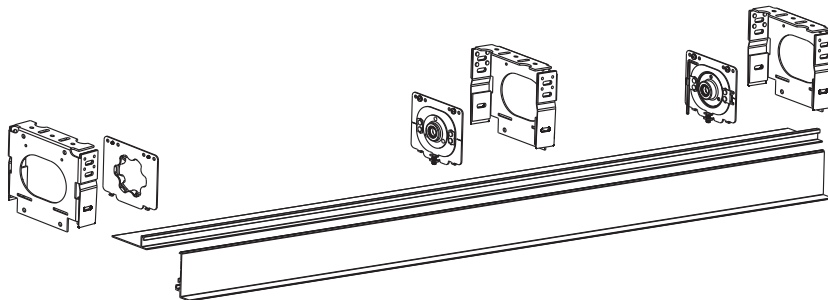
4" Adjustable U-joint Indexable Fascia Bracket for Somfy 500 Series Motors



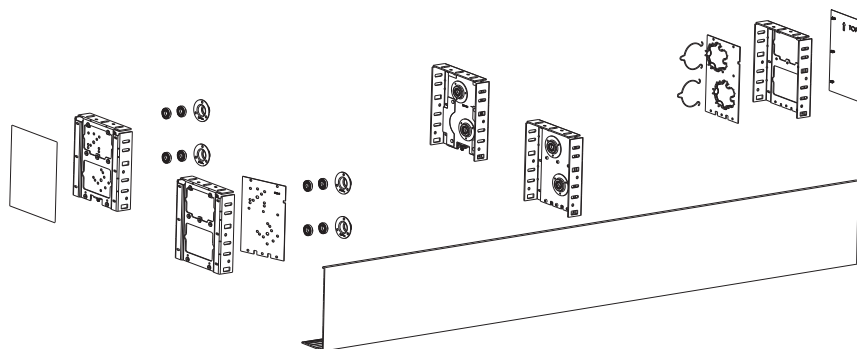
4" Fascia Brackets for Somfy 500 Series Motors



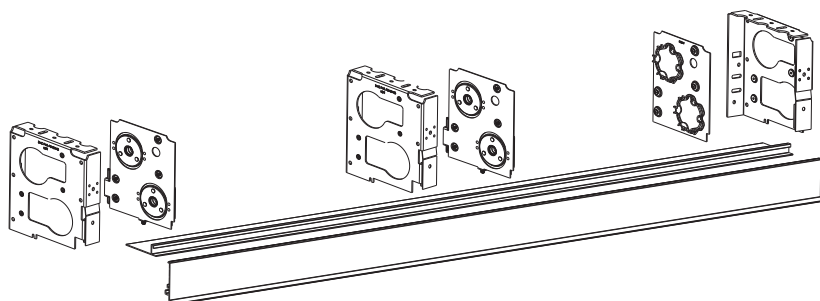
5.5" Smart Head Box System for Somfy 500 Series Motors



7" Fascia System for Somfy 500 Series Motors



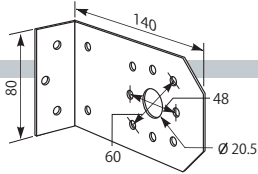
7" Smart Head Box System for Somfy 500 Series Motors



500 SERIES MECHANICAL ACCESSORIES

500 SERIES MOTOR BRACKETS

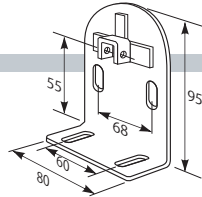
LT50 Motor Angle Bracket



- Zinc plated steel
- .807 in. diameter through hole
- Maximum motor torque - 40 Nm
- Compatible with # 1781098 idler end bearing support
- Maximum system load - See note below

Part # 9012250

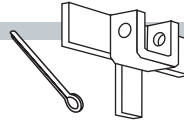
Universal LT50 Motor Bracket (LS Style) for 10 mm Square Stud



- Zinc plated steel
- Maximum motor torque - 25 Nm
- Horizontally and vertically adjustable
- Maximum system load - 57 Kg. (126 Lbs.)

Part # 9410665

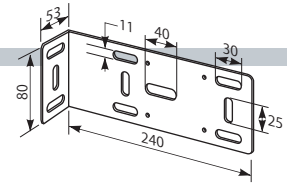
"U" Shape LS Style Motor Bracket for 10 mm Square Stud



- Maximum motor torque - 25 Nm
- Zinc plated steel
- Maximum system load - See note below
- Cotter Pin included

Part # 9510658

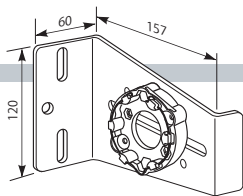
Heavy Duty Angle Plate



- For ceiling and wall installation in combination with # 9012263
- Black oxide finish
- Compatible with brackets # 9012263, 9701310 and 9132065
- Maximum motor torque - 100 Nm
- Maximum system load - See note below

Part # 9701091

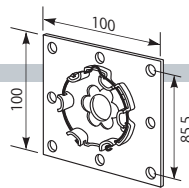
Motor Bracket LT60 FTS



- Zinc plated steel, gauge 3 (0.24 in.)
- For use with LT FTS 60
- Maximum motor torque - 100 Nm
- Includes universal bracket with spring ring
- Maximum system load - 200 kg. (441 Lbs.)
- Must use locking spring ring # 9910002 to obtain full torque and load capability.
- Compatible with idler bracket # 9430603 and intermediate bracket # 9420763

Part # 9430601

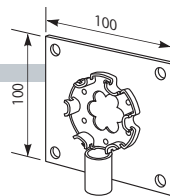
Motor Bracket With Spring Ring (100 mm x 100 mm)



- Four mounting holes provided with a through hole in the center of the bracket
- Zinc plated steel
- Lateral space requirement for installation: 28 mm
- Maximum motor torque - 85 Nm
- Maximum system load - See note below

Part # 9763508

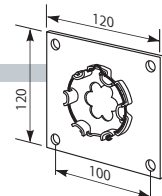
LT50/60 Motor Bracket with 1/2" Conduit Connector



- Four mounting holes provided
- Lateral space requirement: 28 mm
- Zinc plated steel
- Must be used with either spring ring # 9206033, or locking spring ring # 9910002 (not included)
- Maximum motor torque - 85 Nm or 100 Nm when locking spring ring # 9910002 is used.

Part # 9012262

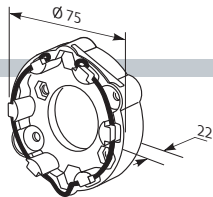
Motor Bracket With Spring Ring (120 mm x 120 mm)



- Four mounting holes provided
- Zinc plated steel
- Lateral space requirement for installation: 28 mm
- Maximum motor torque - 85 Nm
- Maximum system load - See note below

Part # 9763503

Universal Bracket with Spring Ring



Spring ring needs to be replaced with locking spring ring # 9910002 to obtain maximum torque and load capability

- Assembled to accept Inch Series threaded screws 1/4 - 20, 5/16 - 18 (nuts molded into bracket)

Part # 9910021

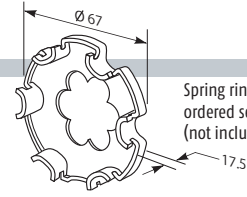
Universal Bracket with Spring Ring - Zamak Aluminum Alloy Material

- 2 holes for M6 hex or 1/4 - 20 flat head screw on 48 mm diameter
- 2 holes for M8 hex screw on 60 mm diameter
- 2 countersunk holes for M8 screw on 60 mm diameter
- Lateral space requirement for installation: 27 mm
- Maximum motor torque - 85 Nm or 100 Nm when used with locking spring ring # 9910002, and 5/16 - 18 or M8 bolts without molded nuts
- Maximum system load - 200 Kg. (441 Lbs.) when used with locking spring ring # 9910002

Part # 9420631

With M8 and M6 nuts molded in bracket - Same as above Part # 9910001

Weld-on Bracket Without Spring Ring



Spring ring must be ordered separately (not included)

- Steel bracket without surface treatment
- For welding to mounting plates of all kinds. Lateral space requirement for installation: 23 mm + thickness of mounting plate
- Must be used with spring ring # 9206033 or locking spring ring # 9910002 (not included)
- Maximum motor torque - 85 Nm or 100 Nm depending on spring ring and quality of weld
- Maximum system load - 200 Kg. (441 Lbs.) when used with locking spring ring # 9910002

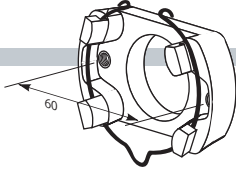
Part # 9206029

Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

500 SERIES MOTOR BRACKETS

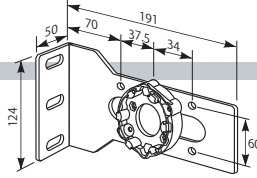
LT50 Compact Bracket



- Two mounting holes with molded in M5 nuts 60 mm apart
- Maximum motor torque 35Nm when used with Locking Spring Ring
- Black nylon material

Part # 9708461

Heavy Duty Angle Plate with Universal Motor Bracket



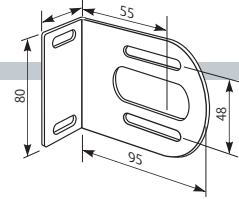
- With two M8 screws and nuts included
- Angle plate (zinc plated steel)
- Three adjustment positions possible
- Maximum motor torque - 85 Nm or 100 Nm when used with locking spring ring # 9910002
- Maximum system load - 130 Kg. (287 Lbs.) or 200 Kg. (441 Lbs.) with locking spring ring # 9910002

Part # 9420602

Heavy Duty Angle Plate - Part # 9420604

- Same as above but without the universal motor bracket

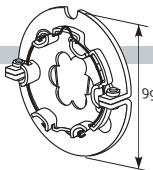
LT50 Angle Plate with Elongated Holes Allowing Adjustment



- Zinc plated steel
- Compatible with idler end bearing support # 1781098 and intermediate bearing support # 9146011
- Maximum motor torque - 50 Nm
- Maximum load - 69 Kg. (152 Lbs.)

Part # 9410639

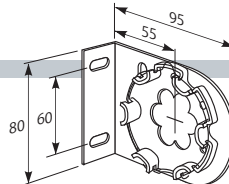
LT50/60 Radial Motor Bracket



- Maximum motor torque 80 Nm
- Zinc plated steel
- Allows for easy removal of LT motor without removing entire bracket. It disassembles in 2 pieces with one part remaining attached to structure
- Maximum system load - See note below

Part # 9420620

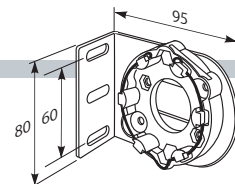
LT50 Universal Motor Bracket



- Maximum motor torque - 50 Nm
- Zinc plated steel
- Maximum system load - 115 Kg. (254 Lbs.)
- Compatible with idler bracket # 9410635, # 9410633 and intermediate bracket # 9410648

Part # 9410651

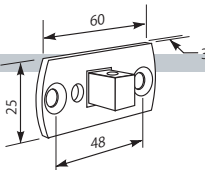
LT50 Adjustable Universal Motor Bracket



- Zinc plated steel
- Without molded nuts
- Maximum motor torque - 50 Nm
- Maximum system load - 115 Kg. (254 Lbs.)

Part # 9002550

Retrofit Brackets



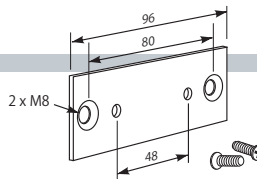
- Zinc plated steel - yellow
- L0 LT motor bracket with a 10 mm stud. Vertical pin hole
- Mounting screws # 9670013 not included
- Maximum motor torque - 25 Nm for new LT applications - 35 Nm for replacing LS motor with LT motor
- Maximum system load - 70 Kg. (154 Lbs.)

Part # 9206020

Same as above, except pin hole is horizontal

Part # 9206021

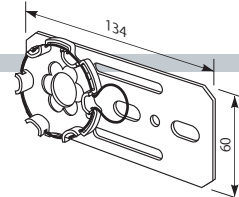
"L0" LT50 Motor Bracket



- Comes with two 5 mm motor mounting screws
- Maximum motor torque 50 Nm
- Zinc plated steel
- Maximum system load - See note below

Part # 9410612

Adjustable Motor Bracket with Spring Ring



- Zinc plated steel
- Horizontally and Vertically adjustable
- Lateral space requirement for installation: 27 mm
- Maximum motor torque 50 Nm
- Maximum system load - See note below

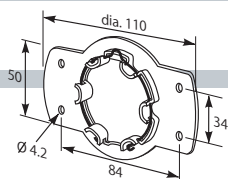
Part # 9703948

Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

500 SERIES MOTOR BRACKETS

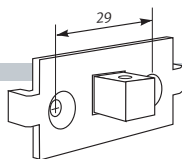
LT50 HA Motor Bracket*



- Allows flush mounting of the motor head against the mounting surface
- Zinc plated steel
- Maximum motor torque - 50 Nm

Part # 9410715

LT RH Motor Bracket



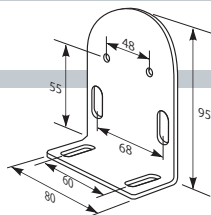
- Pin hole is vertical
- Zinc plated steel
- 10 mm square stud
- Maximum motor torque - 25 Nm
- Mounting Screws # 100405B included
- Maximum system load - 70 Kg. (154 Lbs.)

Part # 9910016

Same as above except pin hole is horizontal

Part # 9910017

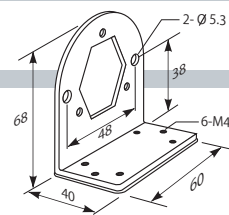
LT50 Angle Bracket*



- For ceiling and wall installation
- Zinc plated steel
- Horizontally and vertically adjustable
- Maximum motor torque - 50 Nm

Part # 9410637

CTS50 Motor Mounting Bracket* (Cord Take-Up System)

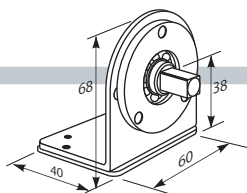


- Zinc plated steel
- Attaches directly to LT50 motor head (48 mm on center)
- Adaptable for Nichibei headrail (70 x 70)
- Maximum motor torque - 10 Nm

Part # 1781110

500 SERIES IDLER BRACKETS

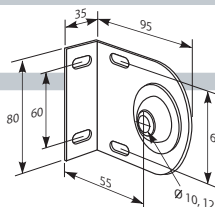
CTS50 Motor Idler Bracket* (Cord Take-Up System)



- Zinc plated
- 10 mm square shaft with ball bearings
- Adaptable for Nichibei headrail (70 x 70)
- Maximum motor torque - 10 Nm

Part # 1781112

LT Idler End Bracket (inside diameter 10 mm)



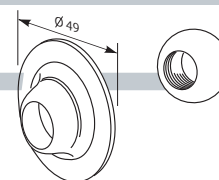
- Zinc plated steel
- 10 mm ID Nylon ball bearing
- Compatible with motor brackets # 9410665 and # 9410651
- Maximum motor torque - 50 Nm
- Maximum system load 130 Kg. (287 Lbs.)

Part # 9410635

Same but with a 12 mm ID Nylon Ball Bearing

Part # 9410633

Idler Bracket 10 mm Ball Bearing and Holder Kit



Part # 9012657

Ball Bearing with 10 mm ID Part # 9410803

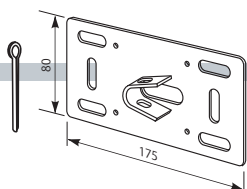
Ball Bearing with 12 mm ID Part # 9028665

Ball Bearing Holder

- Used with # 9410803 or # 9028665 ball bearings
- Zinc plated steel
- Maximum motor torque - 50 Nm
- Maximum system load - up to 130 Kg. (287 Lbs.)

Part # 1781030

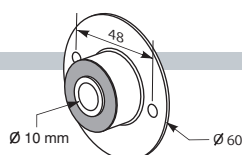
Heavy Duty Idler Bracket*



- Used with end cap having stationary 16 mm diameter shaft
- Cotter pin holding end cap's shaft included
- Zinc plated steel
- Maximum motor torque - 100 Nm

Part # 9132065

LT50 Round Anti-Vibration Idler Bracket*



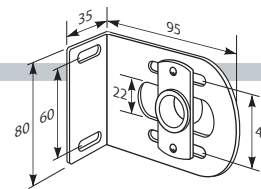
- Zinc plated steel with a 10 mm round insert surrounded by rubber
- Can be mounted on # 9410637
- Maximum motor torque - 20 Nm
- Can reduce sound levels by 2-4 dB

Part # 9701310

- Same as above with 12 mm insert

Part # 9410740

LT50 Idler Bracket with 14 mm ID Bearing*



- Zinc plated steel
- Adjustable bearing location
- Maximum motor torque - 50 Nm

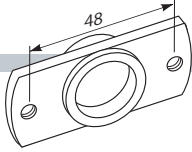
Part # 9002540

*Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

500 SERIES IDLER BRACKETS

Idler End Bearing Support for 14 mm Diameter Shaft*



- Two threaded mounting holes for M5 screws
- Sintered Brass in a zinc plated steel plate
- Mounting hardware included
- Compatible with shaft # 1781011 and brackets # 9012250 and # 9146001
- Maximum motor torque 50 Nm

Part # 1781098

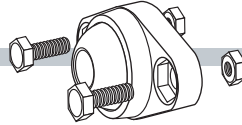
Same as above but hardware not included

Part # 9146007

With 16 mm Dia. Shaft (no hardware)

Part # 9146011

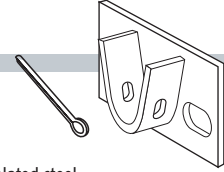
Idler End 12 mm Nylon Ball Bearing with Holder



- Cast aluminum
- Compatible with bracket # 9420604
- Maximum motor torque:
 - FTS range - 25 Nm
 - LT range - 100 Nm
- Maximum system load - 130 Kg. (287 Lbs.)

Part # 9430610

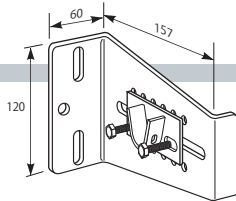
Idler End Cap Holder and Cotter Pin



- Zinc plated steel
- Compatible with bracket # 9420604
- Used with end cap having stationary 16 mm diameter shaft
- Maximum motor torque when properly installed with cotter pin:
 - FTS range - 55 Nm
 - LT range - 100 Nm
- Maximum system load - 200 Kg. (441 Lbs.)
- Open end of the "U" must face up
- Cotter pin 6.3mm x 80 mm (zinc plated) # 132444A

Part # 9540786

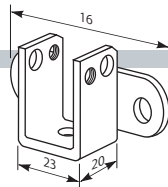
Heavy Duty Idler Bracket with Idler End Cap Holder



- Two screws and cotter pin included
- Zinc plated steel, gauge 3(0.2391 in.)
- Used with end cap having stationary 16 mm diameter shaft
- Maximum motor torque when properly installed with cotter pin:
 - FTS range - 55 Nm
 - LT range - 100 Nm
- Maximum system load - 200 Kg. (441 Lbs.)

Part # 9430603

"U" Shaped Idler Bracket



- Zinc plated steel
- Idler bearing securing screw included
- Maximum motor torque - 40 Nm
- Maximum system load - 115 Kg. (254 Lbs.)

Part # 9127808

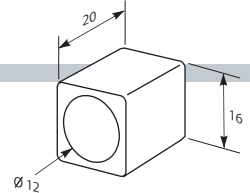
White Dress Cover for Idler Brackets



- # 9410635, # 9410633 and motor brackets # 9410665 and # 9410651
- White composite

Part # 9002519

Idler Bearing (for Ø 12mm Shaft)



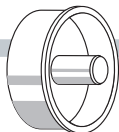
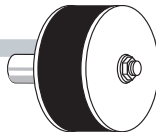
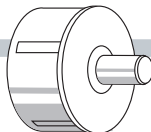

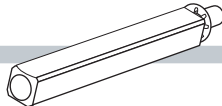
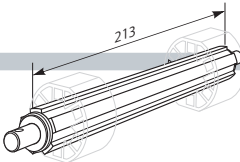
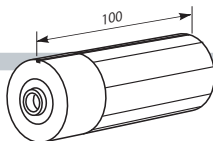
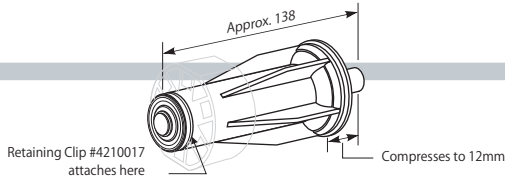
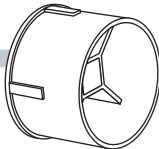
- Nylon material
- Maximum motor torque - 40 Nm
- Compatible with # 9127808
- Maximum system load - 115 Kg. (254 Lbs.)

Part # 1781015

***Note:** Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

500 SERIES END CAPS

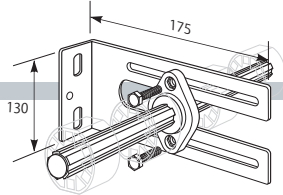
Die Cast End Cap*	2" Anti-Vibration End Cap*	Molded Composite End Cap*	2" Tube Idler End Cap without Shaft
 <ul style="list-style-type: none">- For tube diameter 2" (50 mm)- Shaft Diameter 0.39" (10 mm)- Maximum motor torque - 50 Nm <p>Part # 9128101</p> <p>Same as Above but with 12 mm Shaft</p> <p>Part # 9132087</p>	 <ul style="list-style-type: none">- For tube diameter 2" (50 x 1.5 mm, 50 x 1.6 mm)- Shaft Diameter 0.39" (10 mm)- Zinc plated steel parts with molded rubber <p>Part # 9701380</p>	 <ul style="list-style-type: none">- For tube diameter 2.5" (63 mm)- Shaft Diameter 0.59" (15 mm)- Maximum motor torque - 40 Nm <p>Part # 9701116</p> <ul style="list-style-type: none">- For tube diameter 2.0" (50 mm)- Shaft diameter 0.40" (10 mm)- Maximum motor torque - 50 Nm <p>Part # 9700958</p>	 <p>NOTE: Set screw must use lock-tight to prevent screw from vibrating free.</p> <ul style="list-style-type: none">- Cast aluminum with set screw <p>Part # 9129631</p> <p>2.5" Tube Idler End Cap without Shaft</p> <ul style="list-style-type: none">- Cast aluminum with set screw <p>Part # 9129632</p> <p>2.75" Tube Idler End Cap without Shaft</p> <ul style="list-style-type: none">- Cast aluminum with set screw <p>Part # 9129633</p>
13 mm Square Drive Shaft with 12 mm Diameter Shaft	Heavy Duty End Cap with 16 mm Diameter Shaft		Roller Tube End Cap with 12 mm Hole*
 <ul style="list-style-type: none">- Zinc plated steel shaft <p>Part # 1781009</p>	 <ul style="list-style-type: none">- Adaptable to any tube profile using matching LT drives- To be used with Idler bracket accepting stationary shaft # 9430643- Extruded aluminum shaft with heavy duty ball bearings- Maximum motor torque:<ul style="list-style-type: none">- FTS range - 55 Nm- LT range - 100 Nm- Maximum system load - 200 Kg. (441 Lbs.) <p>Part # 9420674</p>		 <ul style="list-style-type: none">- For tube 50 x 1.5 mm- Black composite with ball bearing <p>Part # 9701288</p>
<p>13 mm Square Drive Shaft with 14 mm Diameter Shaft</p> <ul style="list-style-type: none">- Zinc plated steel shaft <p>Part # 1781011</p>	<p>Roller Tube End Cap with 10 mm Hole*</p> <p>Part # 60903170</p>		
Universal End Cap with 10 mm Collapsible Shaft			Idler End Cap for CTS 50 Tube
 <p>Retaining Clip #4210017 attaches here</p> <p>Approx. 138</p> <p>Compresses to 12mm</p> <ul style="list-style-type: none">- Directly compatible with 2" tube and requires notched 2" tube and 2" drive held in place with retaining clip included- End cap is adaptable to all tubes with LT50/60 crown and drive sets- Black nylon- Maximum motor torque:<ul style="list-style-type: none">- With awning - 50 Nm- With FTS - 25 Nm- Maximum system load - 40 Kg. (88 Lbs.) <p>Part # 9420800</p> <p>Same as above but with shorter pin</p> <p>Part # 9420814</p>			 <ul style="list-style-type: none">- Maximum system load - See note below- Used with # 1781112 <p>Part # 1781113</p>
<p>Same as above but with 12 mm shaft</p> <ul style="list-style-type: none">- Both end caps are adaptable to other tube profiles using LT50 motor crowns and drives. SOMFY recommends using these end caps in conjunction with the LT drive.- Same torque & load rating as above. <p>Part # 9420801</p> <p>Same as above but with 14 mm Shaft</p> <p>Part # 9420802</p>			

*Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

500 SERIES INTERMEDIATE BRACKETS

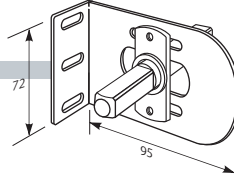
Heavy Duty LT Intermediate Support Bracket*



- Will adapt to any tube profile using tube matching LT drives
- The 4 drives are not included and must be specified separately
- Maximum motor torque:
FTS range - 55 Nm, LT range - 100 Nm
- Heavy gauge 3 (0.24 in.), zinc plated steel
- Extruded aluminum shaft with heavy duty roller bearing

Part # 9420673

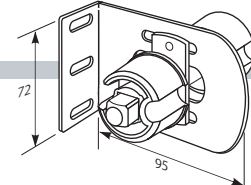
LT50 Intermediate Bracket with 16 mm ID Bearing



- Zinc plated steel
- 16 mm bearing plate # 9146011 also sold separately
- Square shaft # 1781018 also sold separately
- Maximum motor torque:
FTS range - 25 Nm, LT50 range - 50 Nm
- Maximum system load - 69 Kg. (152 Lbs.)

Part # 9002541

LT50 Adjustable Intermediate Support Bracket for a 2" Tube



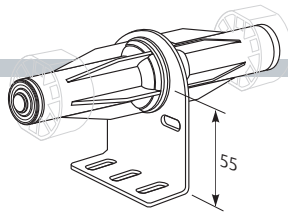
- Zinc plated steel bracket
- Cast aluminum drives, with set screw - set screw must use lock tight to prevent screw from vibrating free
- Maximum motor torque:
FTS range - 25 Nm, LT50 range - 50 Nm
- Maximum system load - 69 Kg. (152 Lbs.)

Part # 9012203

LT50 Adjustable Intermediate Support Bracket for a 2.5" Tube

Part # 9012204

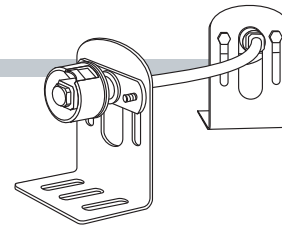
LT Intermediate Bracket for 2" Tube Only



- Zinc plated steel bracket
- Composite end caps
- Maximum motor torque - 15 Nm
- Requires notched 2" tube for transfer of torque
- Recommended tube used included with 2" LT drives
- Maximum system load - 69 Kg. (152 Lbs.)
- Compatible with LT brackets # 9410665, # 9410651, # 9410635, and # 9410633

Part # 9410648

LT50 Flexible Intermediate Bracket Kit for 2" Tube



- Maximum angle up to 30°
- Maximum effective motor torque - 7 Nm
- Zinc plated steel bracket
- Cast aluminum drives and flexible coiled steel shaft
- Maximum system load - 28 Kg. (60 Lbs.)

Part # 9012318

Same as above except for maximum angle up to 45°

Part # 9012319

*Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

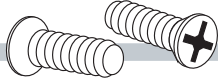
NEW RIGID LINKS – Recommended to be used in conjunction with Oximo motor.

	Rigid Link - 1 Link	Rigid Link - 1 Link	Rigid Link - 2 Links	Rigid Link - 2 Links
Number and location of Rigid Links: <ul style="list-style-type: none"> - Minimum of 2 rigid links per rolling shutter. - Do not exceed 33 lbs (15 kg) hanging load per rigid link. 	<ul style="list-style-type: none"> - Maximum torque stopping load: 14 Nm - Slat Size: .32 in. (9 mm) 	<ul style="list-style-type: none"> - Maximum torque stopping load: 14 Nm - Slat Size: .55 in. (14 mm) 	<ul style="list-style-type: none"> - Maximum torque stopping load: 10 Nm - Slat Size: .32 in. (9 mm) 	<ul style="list-style-type: none"> - Maximum torque stopping load: 10 Nm - Slat Size: .55 in. (14 mm)
	Part # 9019327	Part # 9019328	Part # 9019329	Part # 9019330

500 SERIES MECHANICAL ACCESSORIES

500 SERIES MISCELLANEOUS

**LT50 Motor Mounting Screws- Flat Head,
Self Tapping Tri lobe 5 mm Dia. (13 mm Deep)**



Part # 9670013

**LT50 RH Motor Mounting Screws- Flat Head,
Self Tapping Tri lobe 4 mm Dia. (9 mm Deep)**

Part # 100405B

Spring Ring with Loop



- Used with Brackets and Motors rated up to 80 Nm maximum
- Allows for easy hand removal from the bracket
- Spring type stainless steel

Part # 9685025

Spring Ring



- Used with Brackets and Motors rated up to 80 Nm maximum
- Stainless steel spring type

Part # 9206033

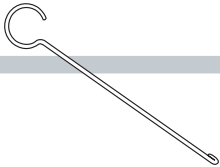
Locking Spring Ring



- Must be used with all brackets in combination with the 6100R2 motor or installations where flexing of the tube is abnormally high
- Used with brackets and motors rated up to 100 Nm
- Spring type stainless steel
- Locking screw must be secured to prevent motor from disengaging from the universal bracket

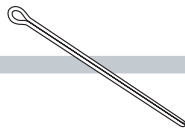
Part # 9910002

Pull-off Tool for Spring Ring



- Black finished steel

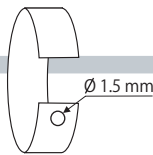
Cotter Pin



- 3.5 mm x 45 mm

Part # 43500020

Fabric Fastening Clip



- for 2" (50 mm) O.D. Tube
- Made out of spring steel

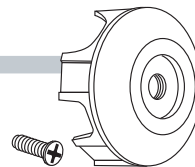
Part # 9138028

Fabric Fastener

- for 2.5" (63 mm) O.D. Tube

Part # 9012201

LT50 Stop Wheel



- Screws into the motor output shaft to prevent drive from coming off shaft
- Black composite stop

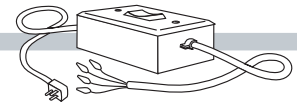
Part # 9910004

LT60 Stop Wheel

- Same as above but with a screw adaptable to the LT60 operators

Part # 9012194

Tester Cable - 4 Wire



- Allows easy setting of the LT motor limit switches before connecting the motor to the controlling device

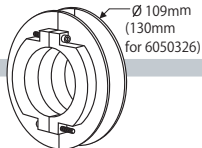
Part # 9012116

FTS Tester Cable - 5 Wire

- Same as above, but for the FTS (Fabric Tension System)

Part # 9012117

50 x 1.5 mm Tube Cord Take-up Reel



- Material - Cast aluminum alloy
- Shipped unassembled in 4 pieces
- Adjustable tape width

Part # 9146035

63 x 1.5 mm Tube Cord Take-up Reel

Part # 9146071

2" Tube Take-up Reel



- Outside dia. 89 mm
- Material ABS
- Maximum tape width - 9 mm

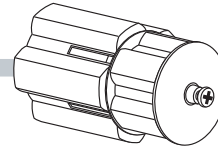
Part # 1781151

40mm tube take-up reel

- Outside dia. 66 mm

Part # 1781152

Anti-Blocking System (ABS)



ABS Wheel - Left Rotation - Maximum motor torque - 30 Nm

ABS Wheel - Right Rotation - Maximum motor torque - 30 Nm

The input of the ABS wheel fits the LT50 motor shaft. The output shaft will accept any of the LT50 drive wheels. Drive retaining washer is included. In the up direction, 30 Nm can be lifted. If an obstacle is detected in the down direction then the motor will spin freely and not damage the product. A momentary switch or Somfy controls having 3 min. time out are required.

Left Rotation Part # 9705415

Right Rotation Part # 9705414

Same as above but with greater torque threshold which is required to activate the ABS

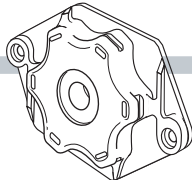
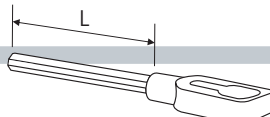
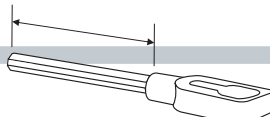
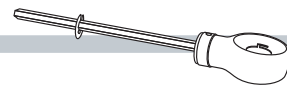
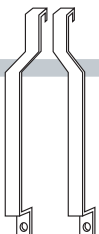
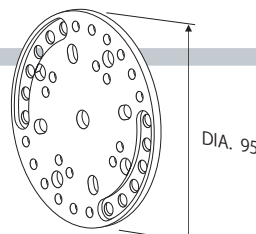
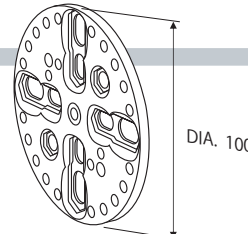
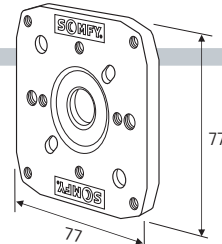
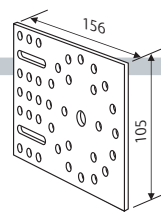
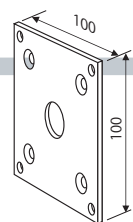
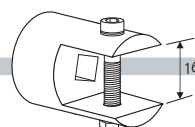
- CMO ABS left rotation - maximum motor torque - 30 Nm
- CMO ABS right rotation - maximum motor torque - 30 Nm

Left Rotation Part # 9706003

Right Rotation Part # 9706004

500 SERIES MECHANICAL ACCESSORIES

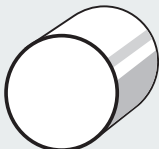
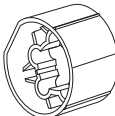
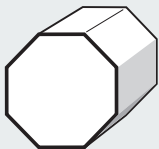
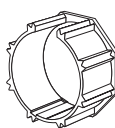
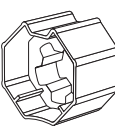
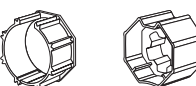
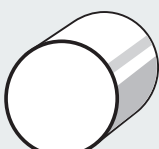
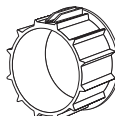
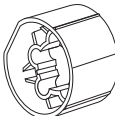
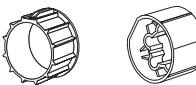
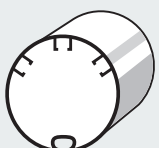
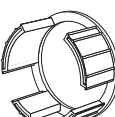
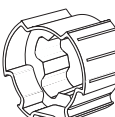
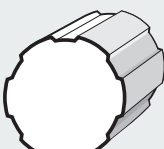
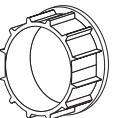
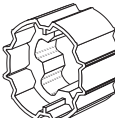
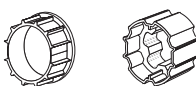
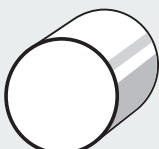
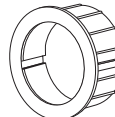
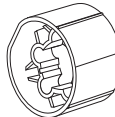

CMO MECHANICAL ACCESSORIES

CMO Motor Bracket	CMO Awning Eye with 2.36" (60 mm) Long 7 mm Hex Shaft	Sunea Awning Eye with 2.36" (60 mm) Long 7 mm Hex Shaft	LT CMO Awning Eye Compatible with Geiger Crank Handles
			
<ul style="list-style-type: none">- Converts a CMO motor head to be compatible with standard LT brackets- Allows the motor to be rotated in 60° increments- Delivered with two motor mounting screws- Black composite- Maximum motor torque - 80 Nm- Maximum system load- See note below <p>Part # 9910051</p>	<p>Part # 9685114</p> <p>CMO Awning Eye with 6.5" (165 mm) Long 7 mm Hex Shaft</p> <p>Part # 9685136</p> <p>CMO Awning Eye with 4" (100 mm) Long 7 mm Hex Shaft</p> <p>Part # 9685148</p>	<p>Part # 9016332</p>	<ul style="list-style-type: none">- Length of the shaft is (100 mm) 4"- Stainless steel pin for eyepiece mounting to 7 mm Hex shaft- Stainless steel stop washer & socket head screw (also sold separately)- Zinc plated steel shaft <p>Part # 9707287</p>
CMO Motor Limit Setting Tool	Sunea RTS CMO Universal Bracket	CMO Round Awning Motor Bracket	CMO ME Square Awning Motor Bracket
			
<ul style="list-style-type: none">- Allows setting the travel limits of the motor when the limit switch buttons are hard to access- Zinc plated steel <p>Part # 9910019</p>	<ul style="list-style-type: none">- U.S. thread 1/4 - 20, 5/16 - 18 threads- Delivered without motor mounting screws- Zamak aluminum alloy material- Maximum motor torque - 50 Nm- Maximum system load - See note below <p>Part # 9015802</p>	<ul style="list-style-type: none">- U.S. thread 1/4 - 20, 5/16 - 18 threads- Delivered without motor mounting screws- Black finished aluminum alloy- Maximum motor torque - 100 Nm (must be used with 5/16 - 18 bolts at maximum torque)- Maximum system load - See note below <p>Part # 9420648</p>	<ul style="list-style-type: none">- U.S. thread 1/4 - 20, 5/16 - 18 threads- Delivered with two motor mounting screws (3/16" Socket Head)- Black finished aluminum alloy- Maximum motor torque - 100 Nm (must be used with 5/16 - 18 bolts at max. torque)- Maximum system load - See note below <p>Part # 9910041</p>
Standard LT and LT CMO Motor Mounting Plate	CMO 100 x 100 mm LT Motor Mounting Bracket	LT50 Differential Torque Tube Connectors	
			
<ul style="list-style-type: none">- Allows for different orientation of the LT CMO motor head in 15 increments- Zinc plated steel- Maximum motor torque - 100 Nm- Maximum system load - See note below <p>Part # 9012293</p>	<ul style="list-style-type: none">- Fits most shutter end caps- Allows for easy replacement of the BMOM/ BMO motor utilizing existing mounting holes- Zinc plated steel- Maximum motor torque - 100 Nm- Maximum system load - See note below <p>Part # 9708549</p>	<ul style="list-style-type: none">- For square link bars (16 x 1 mm)- Zinc plated steel <p>Part # 9012778</p> <ul style="list-style-type: none">- For round link bars (Dia. 16 x 1 mm) <p>Part # 9910045</p>	

***Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.**

500 SERIES MECHANICAL ACCESSORIES

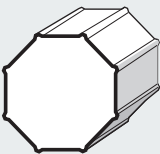
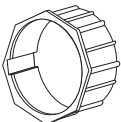
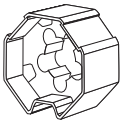
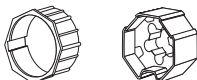
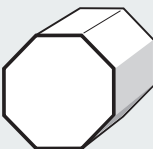
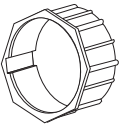

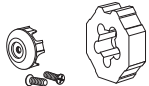
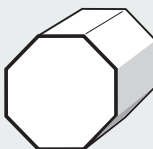
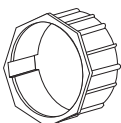
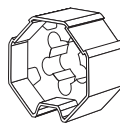
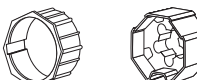

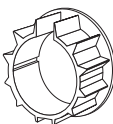
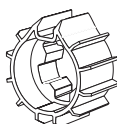
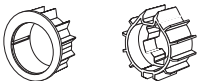
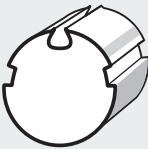
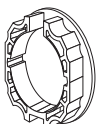
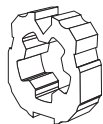
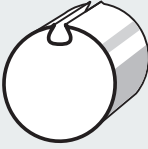

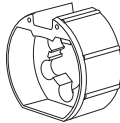

CROWNS AND DRIVES

TUBE PROFILE	CROWN	DRIVE	SET
 ø 2 in. / 50 mm	No Crown is Needed	 2.0" Round LT50 Drive (50 mm x 1.5 mm) – Soft clip Part # 9206089 2.0" Round LT50 Drive (50 mm x 1.5 mm) – Hard clip Part # 9206088	
 ø 60 mm Octagonal IMBAC	 60 mm Octagonal LT50 Crown Part # 9707025	 60 mm Octagonal LT Drive Part # 9751001	 60 mm Octagonal LT50 Set Part # 9012233
 ø 2.5 in. / 63 mm	 2.5" Round LT50 Crown Part # 9707026	 2.5" Round LT Drive (63 mm x 1.5 mm) – Soft clip Part # 9206041 2.5" Round LT Drive (63 mm x 1.5 mm) – Hard clip Part # 9206019	 2.5" Round LT50 Set "Hard Clip" Part # 9012231
 ø 65 mm MADOPRON Sun Master	 SM 65 LT50 Crown – 3 Grooves Part # 9707030	 SM 65 LT Drive Part # 9751002	
 ø 65 mm IMBAC	 165 LT50 Crown Part # 9707024	 165 LT50 Drive Part # 9751004	 165 LT50 Set Part # 9012240
 ø 2.75 in. / 70 mm	 2.75" Round LT50 Crown Part # 9707031 2.75" Round LT60 Crown Part # 9420342	 2.75" Round LT Drive (70 mm x 1.5 mm) – Soft clip Part # 9206026 2.75" Round LT Drive (70 mm x 1.5 mm) – Hard clip Part # 9206028	 2.75" Round LT50 Set Part # 9012232 2.75" Round LT60 Set Part # 9012246

*Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

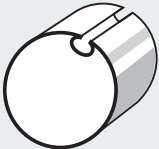
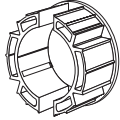
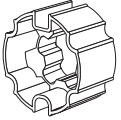
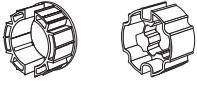
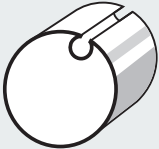
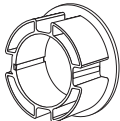
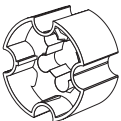

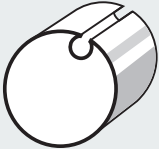
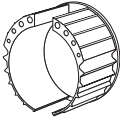
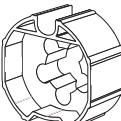

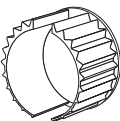
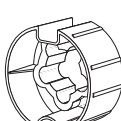
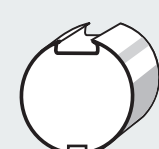
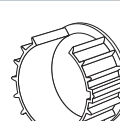


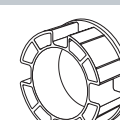
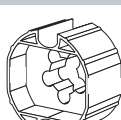
CROWNS AND DRIVES

TUBE PROFILE	CROWN	DRIVE	SET
 <p>ø 70 mm Octagonal IMBAC</p>	 <p>70 mm Octagonal LT60 Crown Part # 9705340</p>	 <p>70 mm Octagonal LT Drive Part # 9761002</p>	 <p>70 mm Octagonal LT60 Set Part # 9012247</p>
 <p>ø 70 mm Octagonal IMBAC</p>	 <p>70 mm Octagonal LT60 Crown Part # 9705340</p>	 <p>70 mm Octagonal Aluminum LT50/60 Drive Part # 9011878</p>	 <p>70 mm Octagonal Aluminum LT50/60 Drive Wheel Kit (crown not included) Part # 9012227</p>
 <p>ø 70 mm Octagonal IMBAC</p>	 <p>70 mm Octagonal LT50 Crown (includes 2.5" LT50 Step-up Adapter #9707026) Part # 9012328</p>	 <p>70 mm Octagonal LT Drive Part # 9761002</p>	 <p>70 mm Octagonal LT50 Set Part # 9012234</p>
 <p>ø 70 mm DOHNER</p>	 <p>DS 70 LT50 Crown (3 mm offset) Part # 9707034</p>	 <p>DS 70 LT Drive (0.8 -1 mm wall thickness) (3 mm offset) Part # 9751005</p>	 <p>DS 70 LT50 Set (3 mm offset) Part # 9012237</p>
 <p>ø 71 mm AMA</p>	 <p>AMA/P71 LT50 Crown Part # 9997118</p>	 <p>AMA/P71 LT50 Drive Part # 9751015</p>	
 <p>ø 72 mm PERMA</p>	 <p>P72 LT60 Crown (4 mm offset) Part # 9277167 P72 LT50 Set (4 mm offset) Part # 9012329</p>	 <p>P72 LT Drive (4 mm offset) Part # 9761011</p>	 <p>P72 LT50 Crown Set (4 mm offset) Part # 9012235</p>

*Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

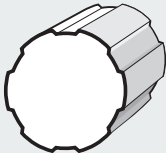
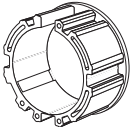
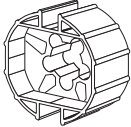
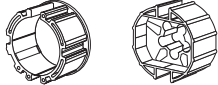
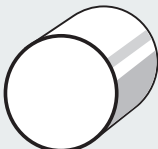
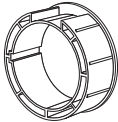
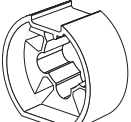

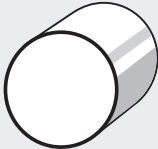
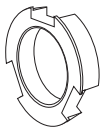


CROWNS AND DRIVES

TUBE PROFILE	CROWN	DRIVE	SET
 ø 74 mm DOHNER	 DS 74 LT50 Crown Part # 9707037	 DS 74 LT50 Drive Part # 9751009	 DS 74 LT50 Set Part # 9012238
 ø 78 mm IMBAC	 DS 78 LT50 Crown Part # 9707027 DS 78 LT60 Crown Part # 9705341	 DS 78 LT50/60 Drive Part # 9761001	 DS 78 LT50 Set Part # 9012239
 ø 78 mm MITSAVILA	 DS 78/R LT50 Crown (4.4 mm offset) Part # 9707640* + Part # 9707026* * Both parts required for LT50 compatibility DS 78/R LT60 Crown (4.4 mm offset) Part # 9707640	 DS 78/R LT Drive (4.4 mm offset) Part # 9761005	
 ø 78 mm IMBAC	 DS 78/D LT50 Crown (2.5 mm offset) * Both parts required for LT50 compatibility Part # 9707639* + Part # 9707026* DS 78/D LT60 Crown (2.5 mm offset) Part # 9707639	 DS 78/D LT Drive (2.5 mm offset) Part # 9761004	
 ø 78 mm MHZ	 LT60 Crown (78 mm) Part # 9762012	 LT60 Drive (78 mm) Part # 9761012	
 ø 85 mm DOHNER	 DS 85 LT50 Crown Part # 9707035 DS 85 LT60 Crown Part # 9705776	 DS 85 LT Drive Part # 9761003	

*Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

CROWNS AND DRIVES

TUBE PROFILE	CROWN	DRIVE	SET
 <p>ø 85 mm IMBAC</p>	 <p>185 LT60 Crown Part # 9690085</p>	 <p>185 LT Drive Part # 9420300</p>	 <p>185 LT60 Set Part # 9012222</p>
 <p>ø 3.5" / 89 mm</p>	 <p>3.5" Round LT50 Crown (81 mm x 1 mm) Part # 9012656 3.5" Round LT60 Crown (89 mm x 2 mm) Part # 9520312</p>	 <p>3.5" Round LT Drive (89 mm x 2 mm) Part # 9420303</p>	 <p>3.5" Round LT50 Set Part # 9012236 3.5" Round LT60 Set Part # 9012248</p>
 <p>ø 4" / 102 mm</p>	 <p>4.0" Round LT60 Crown Part # 9420370</p>	 <p>4.0" Round LT Drive (102 mm x 2 mm) Part # 9420304 4.0" Round LT Drive (101.6 mm x 3.6 mm) Part # 9420309</p>	 <p>4.0" Round LT60 Set Part # 9012221</p>

*Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

500 SERIES STANDARD AND CMO PRODUCT KITS

U.S. 3/4" SS Hardware Kit	U.S. 1" SS Hardware Kit	U.S. 1.25" SS Hardware Kit
1/4 - 20 x 3/4 hex head SS 18-8 bolt 1/4 flat washer SS 18-8 1/4 split lock washer 18-8 Qty. in package - 2 each Part # 9012297	1/4 - 20 x 1 hex head SS 18-8 bolt 1/4 flat washer SS 18-8 1/4 split lock washer 18-8 Qty. in package - 2 each Part # 9012298	1/4 - 20 x 1.25 hex head SS 18-8 bolt 1/4 flat washer SS 18-8 1/4 split lock washer 18-8 Qty. in package - 2 each Part # 9012299
Metric 20 mm SS Hardware Kit	Metric 25 mm SS Hardware Kit	Metric 30 mm SS Hardware Kit
M6 x 20 mm hex head cap screw SS Lock washer split M6 SS A2 M6 flat washer SS A2 Qty. in package - 2 each Part # 9012300	M6 x 25 mm hex head cap screw SS Lock washer split M6 SS A2 M6 flat washer SS A2 Qty. in package - 2 each Part # 9012301	M6 x 30 mm hex head cap screw SS Lock washer split M6 SS A2 M6 flat washer SS A2 Qty. in package - 2 each Part # 9012302
CMO Round Awning Override Kit	CMO ME Square Awning Override Kit	
1/4 - 20 x 1.25 hex head SS 18-8 bolt 1/4 - 20 x 7/8 socket head cap screw Nut hex 1/4 - 20 18-8 SS 1/4 flat washer SS 18-8 1/4 split lock washer 18-8 CMO awning bracket with US thread CMO awning override short shaft Plastic bag 5 x 6 x .04 Qty. in package - 2 each Part # 9012348	1/4 - 20 x 3/4 hex head SS 18-8 bolt 1/4 - 20 x 1.25 hex head SS 18-8 bolt Nut hex 1/4 - 20 18-8 SS 1/4 flat washer SS 18-8 1/4 split lock washer 18-8 CMO awning bracket with ME US thread CMO awning override short shaft Plastic bag 5 x 6 x .04 Qty. in package - 2 each Part # 9012349	
CMO Awning Kit without Awning Eye	CMO ME Awning Kit without Awning Eye	
1/4 - 20 x 1.25 hex head SS 18-8 bolt 1/4 - 20 x 7/8 socket head cap screw Nut hex 1/4 - 20 18-8 SS 1/4 flat washer SS 18-8 1/4 split lock washer 18-8 CMO awning bracket with US thread Plastic bag 5 x 6 x .04 Qty. in package - 2 each Part # 9012362	1/4 - 20 x 3/4 hex head SS 18-8 bolt 1/4 - 20 x 1.25 hex head SS 18-8 bolt Nut hex 1/4 - 20 18-8 SS 1/4 flat washer SS 18-8 1/4 split lock washer 18-8 CMO ME awning bracket with US thread Plastic bag 5 x 6 x .04 Qty. in package - 2 each Part # 9012363	

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