500 Series Databook
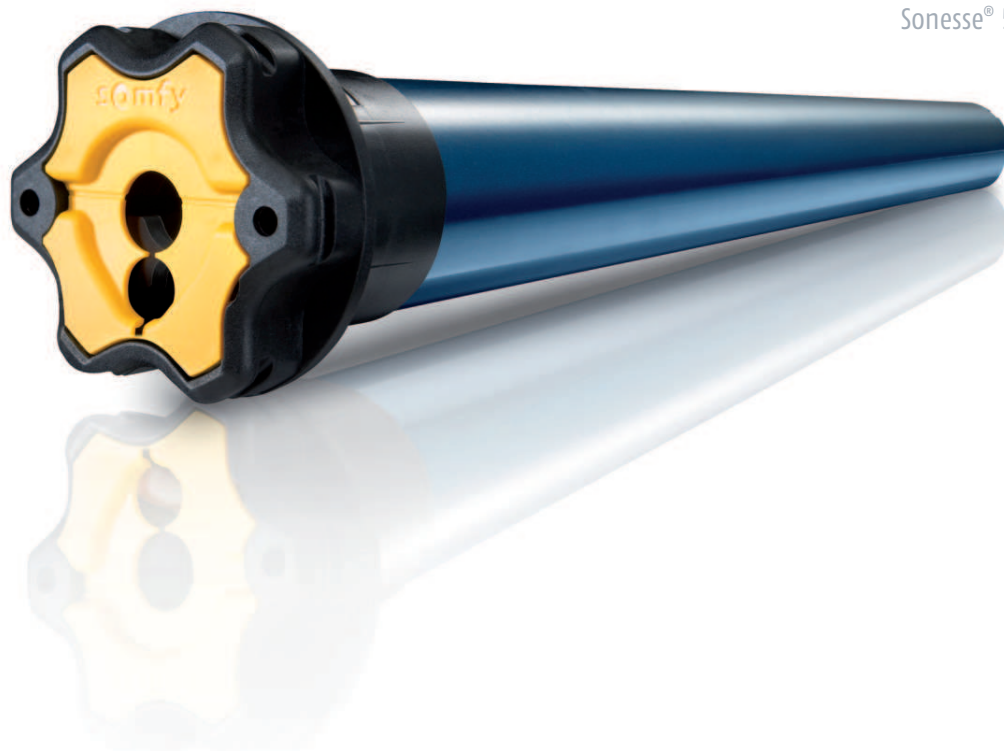
Sonesse® 50

Somfy Systems, Inc., is a global leader in the manufacturing of strong, intelligent and quiet motors for both interior and exterior window coverings. For more than four decades, engineers at Somfy have been designing products for both the residential and commercial markets to motorize window coverings such as interior shades, wood blinds, draperies, awnings, rolling shutters, exterior solar screens, projection screens and more. Somfy motorization systems are easily integrated with security, HVAC, and lighting systems, providing total home or building automation. Somfy recently celebrated the production and sales, throughout the world, of 100 million motors since 1969. This accomplishment further reinforces that Somfy is the worldwide leader in the manufacturing of interior and exterior window covering motors.

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 43,000 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 54 countries, with 68 subsidiaries, and 51 agencies spread across 5 continents. With 7 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 2.0 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.

TABLE OF CONTENTS

Motor Identification Key

Speed
R: Rolling Shutter = 14 rpm
A: Awning = 20-24 rpm
S: Screen = 32-38 rpm

Torque (Nm)

Motor Diameter
4 for LS40
5 for LT50
6 for LT60

Motor Head Style (If other than Standard Star Head)
RH = Round Head
PA = Progressive Adjustment
PS = Progressive Adjustment Switch
CMO = Compact Manual Override

510 S2 RH
Altus® RTS

Range-Voltage
120V Range 2
230V Range 1

Control Technology (If other than Standard Wired)
RTS = Radio Technology Somfy
ILT = Intelligent Limit Technology

Somfy Technologies

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

Wired Technology
Offers control via standard AC switching.

Dry Contact
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 part 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.

Electronic Limit Switch Unit with Integrated RTS

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

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

Wide Range of Motors Provide Solutions for Every Application:

- Interior
- Exterior
- Residential
- Commercial
- Integrated network solutions

Quick and Easy Installation:

- Compatible with leading industry hardware solutions
- Can be installed in 6 different orientations
- Advanced design enables simple "Snap-On" connection for roller tube adapters.

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

Easy Limit Switch Setting

- Limits can be set via radio transmitter.
- Simple push-button limit setting option.
- Addressable Network limit settings available.

All SOMFY Motors are UL and CSA Recognized

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

Snap-on Drive Wheel

Quiet Gearbox

Brake

Asynchronous, High Quality, Maintenance-Free Motor

Drive adapter is attached with a simple snap-on connection.

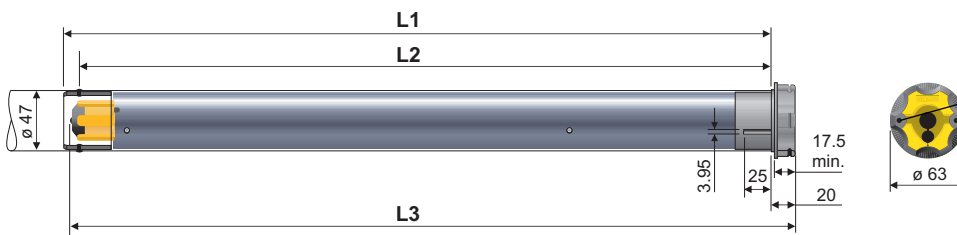## Sonesse® 50 RTS Star Head   Ⓤ Ⓒ 🅝 5⃝

504S2   1030065

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

Technical features

Voltage Supply	AC
Index Protection Rating (interior use only)	IP 31
Limit Switch Type	Electronic RTS
Limit Switch Capacity	250 Turns

Temperature Working Range	32ºF to 140ºF (0ºC to 60ºC)
Insulation Class	Class 1 for 120V
Antenna	Integrated into power cord. Must be at least 12 inches and must not come in contact with metal

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

Performances   504S2

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

Dimensions   504S2

L1	30.83 in (783 mm)
L2	30.31 in (770 mm)
L3	31.34 in (796 mm)
Cable Length	6.5ft (2 m)

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

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) included with Sonesse series motors only, is recommended to prevent noise and drive wheel separation from motor shaft.
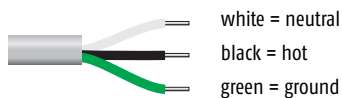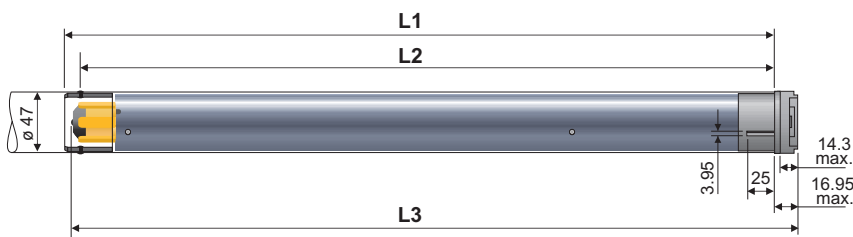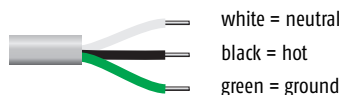- Somfy Soft Clip Drive Wheel Adapters (brown in color) are not recommended.

Type of cable

RTS
120 V / 60 Hz
3 conductor cable

white = neutral
black = hot
green = ground

RTS
Radio Technology Somfy®

Sonesse® 50 RTS Round Head

504S2RH 1030066

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

Technical features

Voltage Supply	AC	**Temperature Working Range**	32°F to 140°F (0°C to 60°C)
Index Protection Rating (interior use only)	IP 31	**Insulation Class**	Class 1 for 120V
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		

2 mounting holes for self tapping screws.
Dia. 4 mm (cat #100405B)
Depth 9 mm
Spaced 1.14" (29 mm) apart

Performances 504S2RH

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

Dimensions 504S2RH

L1	30.83 in (783 mm)
L2	30.31 in (770 mm)
L3	31.34 in (796 mm)
Cable Length	6.5ft (2 m)

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

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) 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 cable

RTS
120 V / 60 Hz
3 conductor cable

white = neutral
black = hot
green = ground

LT50 Altus® RTS Star Head ⓤ ⓢ Ⓝ 5

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

R T S
Radio Technology Somfy®

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

Technical features

Voltage Supply	AC	**Temperature Working Range**	14ºF to 104ºF (−10ºC to 40ºC)
Index Protection Rating	IP 44	**Insulation Class**	Class 1 for 120V
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		

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

Performances

	506S2	510S2	525A2	530R2	535A2	540R2	550R2
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

Dimensions

	506S2	510S2	525A2	530R2	535A2	540R2	550R2
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	24.13 in (613 mm)	26.10 in (663 mm)	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.

Type of cable

RTS
120 V / 60 Hz
3 conductor cable

white = neutral
black = hot
green = ground
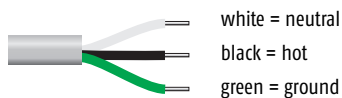
Lt50 Altus® RTS Round Head

506S2 RH   1037519
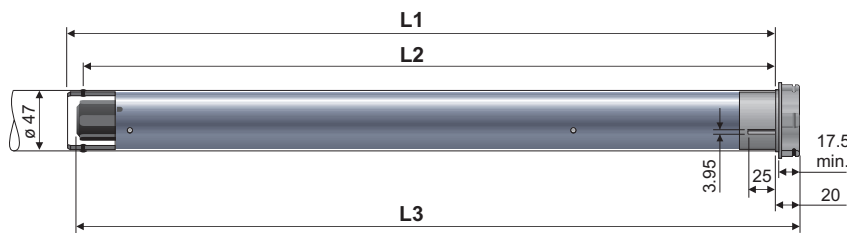**510S2 RH**   1037521

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

Technical features

Voltage Supply	AC	**Temperature Working Range**	32°F to 140°F (0°C to 60°C)
Index Protection Rating	IP 44	**Insulation Class**	Class 1 for 120V
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 (limited to 3 minutes of rotation without stop)	250 Turns		
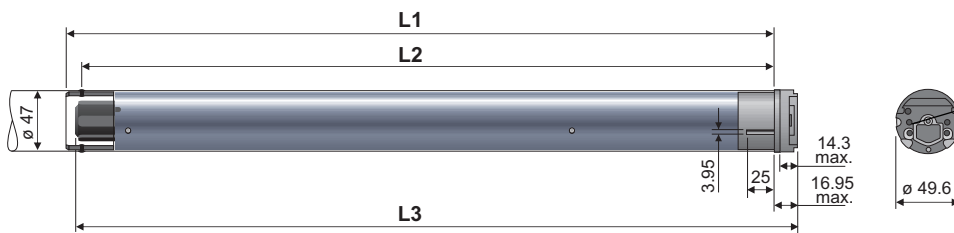
2 mounting holes for self tapping screws.
Dia. 4 mm (cat #100405B)
Depth 9 mm
Spaced 1.14" (29 mm) apart

Performances

	506S2RH	510S2RH
Torque	6 Nm	10 Nm
Nominal Voltage	120V/60Hz	
Rated Current	1.1A	1.3A
Speed	38 rpm	38 rpm
Thermal Protection	5 minutes	5 minutes
Radio Frequency	433.42 MHz	433.42 MHz

Dimensions

	506S2RH	510S2RH
L1	23.82 in (605 mm)	25.79 in (655 mm)
L2	23.23 in (590 mm)	25.20 in (640 mm)
L3	24.02 in (610 mm)	25.98 in (660 mm)
Cable Length	6.5 ft (2 m)	

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

Type of cable

RTS
120 V / 60 Hz
3 conductor cable

white = neutral
black = hot
green = ground
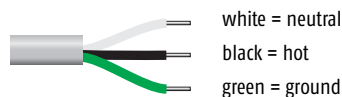
Radio Technology Somfy® RTS > LT50 RTS CMO
(Compact Manual Override)

LT50 RTS CMO

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	AC
Index Protection Rating	IP 44
Limit Switch Type	Rapid Adjustment RA and Electronic Receiver Integrated in motor tube
Limit Switch Capacity	34 Turns

Temperature Working Range	14°F to 104°F (−10°C to 40°C)
Insulation Class	Class 1 for 120V
Antenna	Integrated into power cord. Must be at least 12 inches and must not come in contact with metal

Center Line of Override Shaft
HEX .275"/7mm or SQUARE .236"/6mm

Performances

	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				
Radio Frequency	433.42 MHz				

Dimensions

	525A2 CMO	530R2 CMO	535A2 CMO	540R2 CMO	550R2 CMO
L1	30.47 in (605 mm)	30.47 in (605 mm)	30.47 in (605 mm)	30.47 in (605 mm)	30.47 in (605 mm)
L2	29.88 in (590 mm)	29.88 in (590 mm)	29.88 in (590 mm)	29.88 in (590 mm)	29.88 in (590 mm)
L3	30.98 in (610 mm)	30.98 in (610 mm)	30.98 in (610 mm)	30.98 in (610 mm)	30.98 in (610 mm)
Cable Length	12ft (3.6 m)	6ft (1.8 m)	12ft (3.6 m)	6ft (1.8 m)	6ft (1.8 m)

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

Type of cable

RTS
120 V / 60 Hz
3 conductor cable

white = neutral
black = hot
green = ground
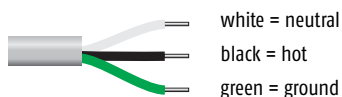
Radio Technology Somfy® RTS > LT50 Orea RTS
Specifically designed for use in cassette awnings only

LT50 Orea RTS

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	AC	**Temperature Working Range**	14°F to 104°F (−10°C to 40°C)
Index Protection Rating	IP 44	**Insulation Class**	Class 1 for 120V
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		

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

Performances

	535A2	550R2
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

Dimensions

	535A2	550R2
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 3ft, 6ft, 12ft, 18ft, 24ft.

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

Type of cable

RTS
120 V / 60 Hz
3 conductor cable

white = neutral
black = hot
green = ground
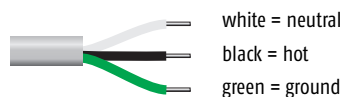
Radio Technology Somfy® RTS > Sunea™ RTS CMO (Compact Manual Override)
Specifically designed for use in cassette and standard retractable awnings only

Sunea™ RTS CMO

*525A2 CMO	1114230	**525A2 CMO	1114232
*535A2 CMO	1047318	**535A2 CMO	1114231
*550R2 CMO	1118167	**550R2 CMO	1118168

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

Technical features

Voltage Supply	AC
Index Protection Rating	IP 44
Limit Switch Type	Electronic RTS
Limit Switch Capacity	250 Turns

Temperature Working Range	14°F to 104°F (−10°C to 40°C)
Insulation Class	Class 1 for 120V
Antenna	Integrated into power cord. Must be at least 12 inches and must not come in contact with metal

Center Line of Override Shaft
HEX .275"/7mm or SQUARE .236"/6mm

Performances

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

Dimensions

	*525A2 CMO	*535A2 CMO	*550R2 CMO	**525A2 CMO	**535A2 CMO	**550R2 CMO
L1	27.40 in (696 mm)	27.40 in (696 mm)	27.40 in (696 mm)	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)	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)	28.35 in (720 mm)	28.35 in (720 mm)	28.35 in (720 mm)

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

*Type of cable − SJTW + 18 in.
fast connector male

**Type of cable − SJTW + 12 ft.
hard−wired cable w/open leads

RTS
120 V / 60 Hz
3 conductor cable

white = neutral
black = hot
green = ground
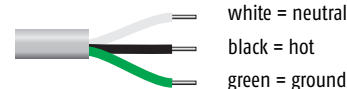
Sonesse® 50 RA Star Head

504S2   1030061

WIRED TECHNOLOGY

Offers control via power switching

Technical features

Voltage Supply	AC	**Temperature Working Range**	32°F to 140°F (0°C to 60°C)
Index Protection Rating (interior use only)	IP 31	**Insulation Class**	Class 1 for 120V
Limit Switch Type	Rapid Adjustment RA		
Limit Switch Capacity	46 Turns		

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

Performances   504S2

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

Dimensions   504S2

L1	28.03 in (712 mm)
L2	27.60 in (701 mm)
L3	28.58 in (726 mm)
Cable Length	6.5ft (2 m)

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) 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 cable

Wired
120 V / 60 Hz
4 conductor cable

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

WIRED TECHNOLOGY

Sonesse® 50 RA Round Head   ⓤ ⓒ Ⓡ 5 Warranty

504S2RH   1030062

Offers control via power switching

Technical features

Voltage Supply	AC
Index Protection Rating (interior use only)	IP 31
Limit Switch Type	Rapid Adjustment RA
Limit Switch Capacity	46 Turns

Temperature Working Range	32°F to 140°F (0°C to 60°C)
Insulation Class	Class 1 for 120V
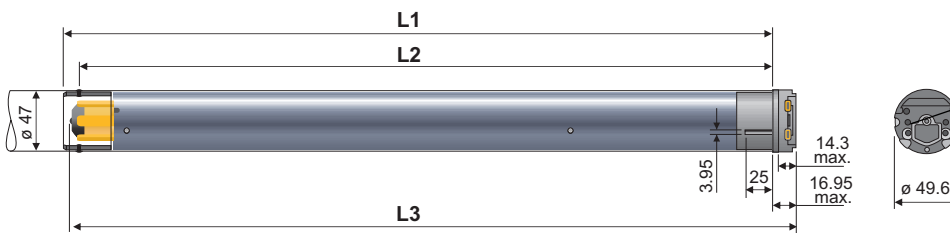
ø 47 · L1 · L2 · L3 · 3.95 · 25 · 14.3 max. · 16.95 max. · ø 49.6

2 mounting holes for self tapping screws.
Dia. 4 mm (cat #100405B)
Depth 9 mm
Spaced 1.14" (29 mm) apart

Performances   504S2RH

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

Dimensions   504S2RH

L1	28.03 in (712 mm)
L2	27.60 in (701 mm)
L3	28.46 in (723 mm)
Cable Length	6.5ft (2 m)

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) 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 cable

Wired
120 V / 60 Hz
4 conductor cable

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

WIRED TECHNOLOGY

Sonesse® 50 PA Star Head

504S2PA   1030063

Offers control via power switching

Technical features

Voltage Supply	AC	**Temperature Working Range**	32ºF to 140ºF (0ºC to 60ºC)
Index Protection Rating	IP 44	**Insulation Class**	Class 1 for 120V
Limit Switch Type	Progressive Adjustment PA		
Limit Switch Capacity	29 Turns		

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

Performances   504S2PA

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

Dimensions   504S2PA

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)

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) 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 cable
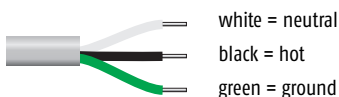
Wired
120 V / 60 Hz
4 conductor cable

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

Wired Technology > LT50 RA
(Rapid Limit Adjustment)

WIRED TECHNOLOGY

LT50 RA Star Head (UL) (CSA) (cULus) (Warranty)

504S2	1030006	**515A2**	1039024	**530R2**	1045026
506S2	1032023	**515S2**	1039027	**535A2**	1047013
510S2	1037036	**520R2**	1041026	**540R2**	1049042
		525A2	1043024	**550R2**	1051019

Offers control via power switching

Technical features

Voltage Supply	AC	**Temperature Working Range**	14°F to 140°F (−10°C to 60°C)
Index Protection Rating	IP 44	**Insulation Class**	Class 1 for 120V
Limit Switch Type	Rapid Adjustment RA		
Limit Switch Capacity	46 Turns		

Ø 47 — L1 — L2 — L3 — 3.95 — 25 — 17.5 min. — 20

Ø 63

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

Performances

	504S2	506S2	510S2	510R2	515A2	515S2	520R2	525A2	530R2	535A2	540R2	550R2
Torque	4 Nm	6 Nm	10 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	.7A	1.1A	1.8A	1.1A	1.6A	1.5A	2.1A	1.8A	2.1A
Speed	38 rpm	38 rpm	38 rpm	14 rpm	20 rpm	38 rpm	14 rpm	20 rpm	14 rpm	20 rpm	14 rpm	14 rpm
Thermal Protection						5 minutes						

Dimensions

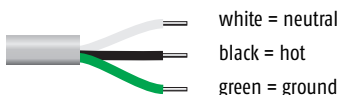|	504S2	506S2	510S2	510R2	515A2	515S2	520R2	525A2	530R2	535A2	540R2	550R2
L1	19.88 in (505 mm)	20.67 in (525 mm)	21.85 in (555 mm)	19.88 in (505 mm)	20.67 in (525 mm)	23.82 in (605 mm)	20.67 in (525 mm)	21.85 in (555 mm)	21.85 in (555 mm)	23.82 in (605 mm)	23.82 in (605 mm)	23.82 in (605 mm)
L2	19.29 in (490 mm)	20.10 in (510 mm)	21.26 in (540 mm)	19.29 in (490 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	20.20 in (513 mm)	20.98 in (533 mm)	22.17 in (563 mm)	20.20 in (513 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)
Cable Length						6.5 ft (2m)						

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

Type of cable

**Wired
120 V / 60 Hz
4 conductor cable**

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

LT50 RA Round Head

504S2RH	1030005	**515S2RH**	1039024
506S2RH	1032016	**520R2RH**	1041028
510S2RH	1037026	**525A2RH**	1043025

WIRED TECHNOLOGY

Offers control via power switching

Technical features

Voltage Supply	AC		**Temperature Working Range**	14°F to 140°F (−10°C to 60°C)
Index Protection Rating	IP 44		**Insulation Class**	Class 1 for 120V
Limit Switch Type	Rapid Adjustment RA			
Limit Switch Capacity	46 Turns			

2 mounting holes for self tapping screws.
Dia. 4 mm (cat #100405B)
Depth 9 mm
Spaced 1.14″ (29 mm) apart

Performances

	504S2RH	506S2RH	510S2RH	515S2RH	520R2RH	525A2RH
Torque	4 Nm	6 Nm	10 Nm	15 Nm	20 Nm	25 Nm
Nominal Voltage	120V/60Hz					
Rated Current	.7A	.95A	1.3A	1.8A	1.1A	1.6A
Speed	38 rpm	38 rpm	38 rpm	38 rpm	14 rpm	20 rpm
Thermal Protection	5 minutes					
Sound Level	52 dBA	55 dBA	56 dBA	56 dBA	NA	NA

Dimensions

	504S2RH	506S2RH	510S2RH	515S2RH	520R2RH	525A2RH
L1	19.88 in (505 mm)	20.67 in (525 mm)	21.85 in (555 mm)	23.82 in (605 mm)	20.67 in (525 mm)	21.85 in (555 mm)
L2	19.29 in (490 mm)	20.08 in (510 mm)	21.26 in (540 mm)	23.23 in (590 mm)	20.08 in (510 mm)	21.26 in (540 mm)
L3	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 (2 m)					

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

Type of cable

Wired
120 V / 60 Hz
4 conductor cable

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

WIRED TECHNOLOGY

Offers control via power switching

LT50 PA Star Head

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

Technical features

Voltage Supply	AC		**Temperature Working Range**	14°F to 104°F (−10°C to 40°C)
Index Protection Rating	IP 44		**Insulation Class**	Class 1 for 120V
Limit Switch Type	Progressive Adjustment PA			
Limit Switch Capacity	29 Turns			

L1
L2
ø 47
3.95
25
17.5 min.
20
L3
ø 63

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

Performances

	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

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)

Type of cable PA

Wired
120 V / 60 Hz
4 conductor cable

white = neutral
red = direction 1
black = direction 2
green = ground
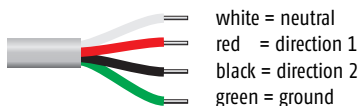
Type of cable PS

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

Wired
120 V / 60 Hz
5 conductor cable
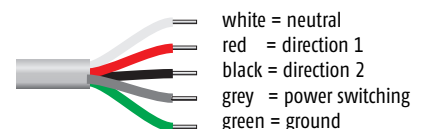
white = neutral
red = direction 1
black = direction 2
grey = power switching
green = ground

LT50 RA CMO

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

WIRED TECHNOLOGY

Offers control via power switching

Technical features

Voltage Supply	AC	**Temperature Working Range**	14°F to 104°F (−10°C to 40°C)
Index Protection Rating	IP 44	**Insulation Class**	Class 1 for 120V
Limit Switch Type	Rapid Adjustment (RA) (includes manual override)		
Limit Switch Capacity	34 Turns		

Center Line of Override Shaft
HEX .275"/7mm or SQUARE .236"/6mm

Performances

	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				

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 6ft, 12ft, 24ft.

Type of cable

**Wired
120 V / 60 Hz**
4 conductor cable

white = neutral
red   = direction 1
black = direction 2
green = ground
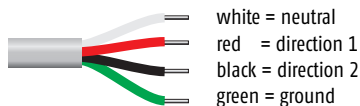
Sonesse® 50 ILT2 Star Head

504S2   1030094

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	AC
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

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

Performances **504S2**

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

Dimensions **504S2**

L1	30.83 in (783mm)
L2	30.31 in (770mm)
L3	31.34 in (796mm)
Power Cable Length	6.5ft (2m)
Data Cable Length (included)	1ft (.3m) / 4 wires / RJ9 phone connectors

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

Type of cables

ILT: 120 V / 60 Hz
3 threads by wire

white = neutral
black = hot
green = ground

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) 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.

DATA CABLE: RJ9 Pin Outs
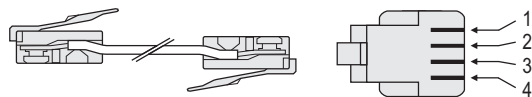
PIN COLOR	4 RED	3 BLUE	2 WHITE	1 YELLOW
ILT Protocol	-	GND	-	DATA
Dry Contact	OPEN	GND	-	CLOSE
IR Contact	IR	GND	+5V	-

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 ILT2 Round Head ⓤ ⓒ 🅄 5️⃣

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	AC
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

2 mounting holes for self tapping screws.
Dia. 5 mm

Performances   504S2RH

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

Dimensions   504S2RH

L1	30.83 in (783mm)
L2	30.31 in (770mm)
L3	31.06 in (789mm)
Power Cable Length	6.5ft (2m)
Data Cable Length (included)	8.2ft (2.5m) / 4 wires / RJ9 phone connectors

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

Type of cables

ILT:

120 V / 60 Hz
3 threads by wire

white = neutral
black = hot
green = ground

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) 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.

DATA CABLE: RJ9 Pin Outs
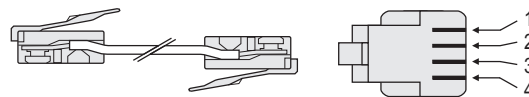
PIN COLOR	4 RED	3 BLUE	2 WHITE	1 YELLOW
ILT Protocol	-	GND	-	DATA
Dry Contact	OPEN	GND	-	CLOSE
IR Contact	IR	GND	+5V	-

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 ILT2 Star Head

506S2	1100019
515S2	1100026
535A2	1030075

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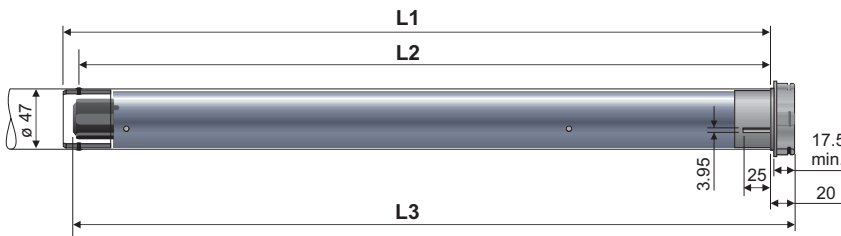
2 mounting holes for self tapping screws.
Dia. 5 mm (cat #9670013)
Depth 13 mm
Spaced 1.89″ (48 mm) apart

Performances

	506S2	515S2	535A2
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

	506S2	515S2	535A2
L1	23.82 in (605mm)	23.23 in (590mm)	24.13 in (613mm)
L2	26.57 in (675mm)	25.98 in (660mm)	26.89 in (683mm)
L3	26.57 in (675mm)	25.98 in (660mm)	26.89 in (683mm)
Power Cable Length	6.5ft (2m)	6.5ft (2m)	6.5ft (2m)
Data Cable Length (included)	1ft (.3m) / 4 wires / RJ9 phone connectors	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 cables

ILT:

120 V / 60 Hz
3 threads by wire

white = neutral
black = hot
green = ground

DATA CABLE: RJ9 Pin Outs
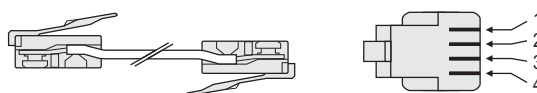
PIN COLOR	4 RED	3 BLUE	2 WHITE	1 YELLOW
ILT Protocol	-	GND	-	DATA
Dry Contact	OPEN	GND	-	CLOSE
IR Contact	IR	GND	+5V	-

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 ILT2 Round Head

506S2RH   1030074
515S2RH   1103017
535A2RH   1030076

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	AC
Index Protection Rating	IP 44
Limit Switch Type	Electronic
Limit Switch Capacity	300 Turns

Temperature Working Range	–4ºF to 158ºF (–20ºC to 70ºC)
Insulation Class	Class 1 for 120V

2 mounting holes for self tapping screws. Dia. 5 mm

Performances

	506S2RH	515S2RH	535A2RH
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

	506S2RH	515S2RH	535A2RH
L1	23.82 in (605mm)	23.23 in (590mm)	24.02 in (610mm)
L2	26.57 in (675mm)	25.98 in (660mm)	26.77 in (680mm)
L3	26.57 in (675mm)	25.98 in (660mm)	26.77 in (680mm)
Power Cable Length	6.5ft (2m)	6.5ft (2m)	6.5ft (2m)
Data Cable Length (included)	1ft (.3m) / 4 wires / RJ9 phone connectors	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 cables

ILT:

120 V / 60 Hz
3 threads by wire

white = neutral
black = hot
green = ground

DATA CABLE: RJ9 Pin Outs
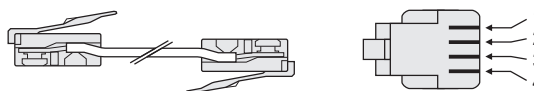
PIN COLOR	4 RED	3 BLUE	2 WHITE	1 YELLOW
ILT Protocol	-	GND	-	DATA
Dry Contact	OPEN	GND	-	CLOSE
IR Contact	IR	GND	+5V	-

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

CONTROL ACCESSORIES

RADIO TECHNOLOGY SOMFY® (RTS)

TELIS COLLECTION

RTS
Radio Technology Somfy®

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 Modulis RTS
Lounge with
Scroll Wheel
1810976*

Telis 4 Modulis RTS
Lounge with
Scroll Wheel
1810664*

Telis 1 Modulis RTS
Silver with
Scroll Wheel
1810975*

Telis 4 Modulis RTS
Silver with
Scroll Wheel
1810663*

Telis 1 Modulis RTS
Pure with
Scroll Wheel
1811234

Telis 4 Modulis RTS
Pure with
Scroll Wheel
1811235

Telis 16 Channel RTS
Pure Remotes w/
On-screen display
1811020

Telis 16 Channel RTS
Silver Remotes w/
On-screen display
1811021

DECOFLEX WIREFREE™ WALL SWITCHES & TABLE TOP ACCESSORIES

RTS
Radio Technology Somfy®

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 Tabletop RTS
Accessory Black
1811051**

DecoFlex Tabletop RTS
Accessory Silver
1810972**

DecoFlex Tabletop RTS
Accessory White
1811185**

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

black   ivory   almond
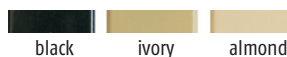
**DecoFlex Switch sold separately from Table Top Accessory

*Call for availability

CONTROL ACCESSORIES

RADIO TECHNOLOGY SOMFY® (RTS)

RTS
Radio Technology Somfy®

RTS REPEATER	OUTDOOR RECEIVERS	DRY CONTACT INTERFACE	16 CHANNEL INTERFACE	CHRONIS TIMER

RTS Repeater
1810791

Outdoor Lighting Receiver
1810875
Universal RTS Receiver
1810627

RTS Dry Contact Interface
Single Channel
1810493

Universal RTS Interface 16-Channel
(Converts IR, RS232, RS485 to RTS)
1810872

Chronis Comfort
Single Channel Timer
1805176*

SUNIS & THERMO SUNIS INDOOR SENSORS	SUNIS OUTDOOR SENSOR	EOLIS SENSOR	SOLIRIS SENSOR

Sunis Indoor
WireFree™ RTS
9013707

Thermo Sunis Indoor
WireFree™ RTS
9013708

Sunis WireFree™ RTS
Outdoor Sun Sensor
9013075*

Eolis RTS Wind
Sensor 24V
9012499

Soliris RTS SUN-Wind
Sensor 24V
9012500

DIGITAL MOTOR INTERFACES

ZRTSI	ZDMI	ZBDMI

Z-Wave® to Radio Technology Somfy® Interface
1870202

Z-Wave® to Digital Motor Interface
1870171

ZigBee® to Digital Motor Interface
1870220

TaHomA® SOMFY'S TOTAL HOME AUTOMATION SOLUTION

The entire Sonesse® range works seamlessly with TaHomA® - Somfy's total home automation solution. Using Z-Wave®, an interoperable, 2-way RF mesh networking technology, TaHomA enables users to control, schedule, and monitor their Somfy motorized products, lights, and thermostats.

Use the Z-Wave to RTS Interface (ZRTSI) or Z-Wave to Digital Motor Interface (ZDMI) to translate TaHomA's Z-Wave commands for Sonesse® RTS and digital motors.

For more information about TaHomA® please visit www.somfytahoma.com.

Available on the App Store

TaHomA®

*Call for availability

CONTROL ACCESSORIES

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 Switch
(White)
9011967

Single Gang Paddle Switch
(Ivory)
9011966

SPECIALTY SWITCH

5 position momentary/maintained
rocker switch Switchplate included
(White)
1800388

WIRED AC CONTROLS & SWITCHES

GROUP CONTROL SYSTEM II (GCS II)

WIRED TECHNOLOGY

Group Control System II
(GCS II)
1810476
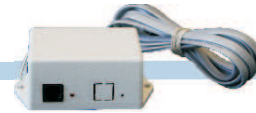
GCS II RTS Radio Receiver
1810854

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

WIRED TECHNOLOGY
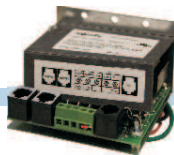
IGC II
(Single Motor)
1810522

IGC 3N1
(3 Motors)
1810523

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

WIRED TECHNOLOGY

IGC II
(Single Motor)
1810535

IGC II 3N1
(3 Motors)
1810536

IGC AND IGC II OPTIONS (110V AC)

WIRED TECHNOLOGY

IGC II Gang Electric Box
3.5" Deep
9013166

IGC RTS Radio Receiver
1810481

STANDARD BRACKET COMPONENTS

DIMENSIONS AND LIGHT GAP SPECIFICATIONS

INTERMEDIATE BRACKET
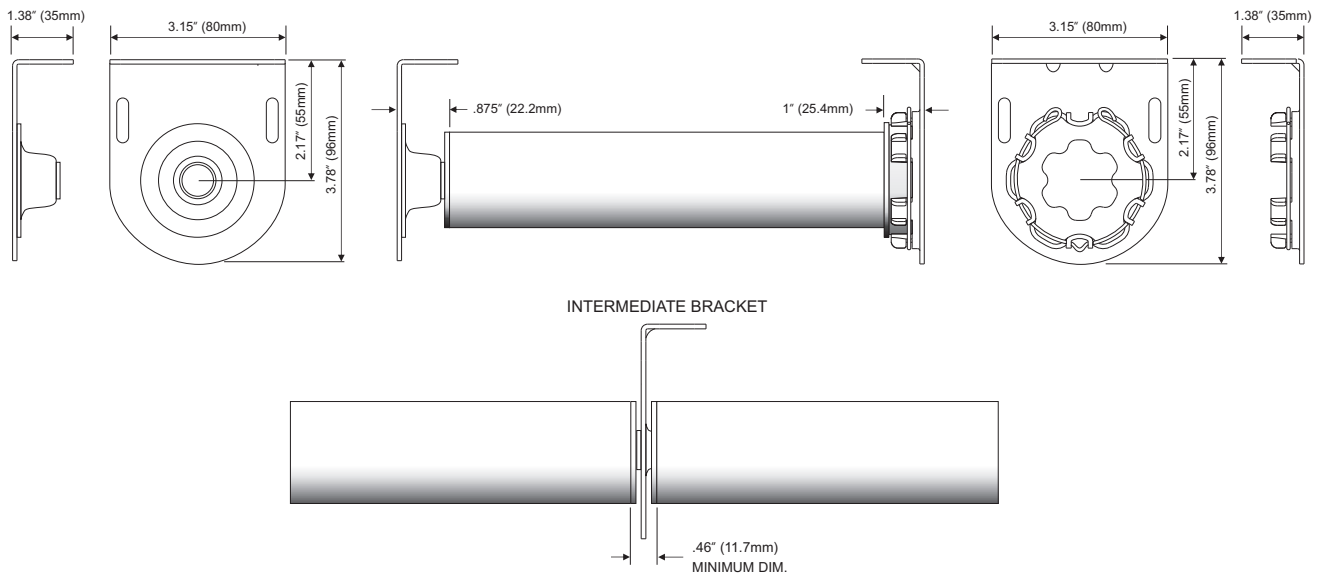
PRODUCT CHART

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 10mm hole nylon bearing	9410635
4	2″ Round LT50 – Hard Clip	9206088
5	2″ Collapsible End Cap (silent) – 10mm shaft (requires notch in tube)	9013592
6	2″ Universal End Cap – Collapsible 10mm shaft (requires notch in tube)	9420800
7	2″ Aluminum Tube	1781148
8	LT50 2″ Universal Intermediate Bracket Kit (requires notch in tube)	9410648

STANDARD BRACKET COMPONENTS
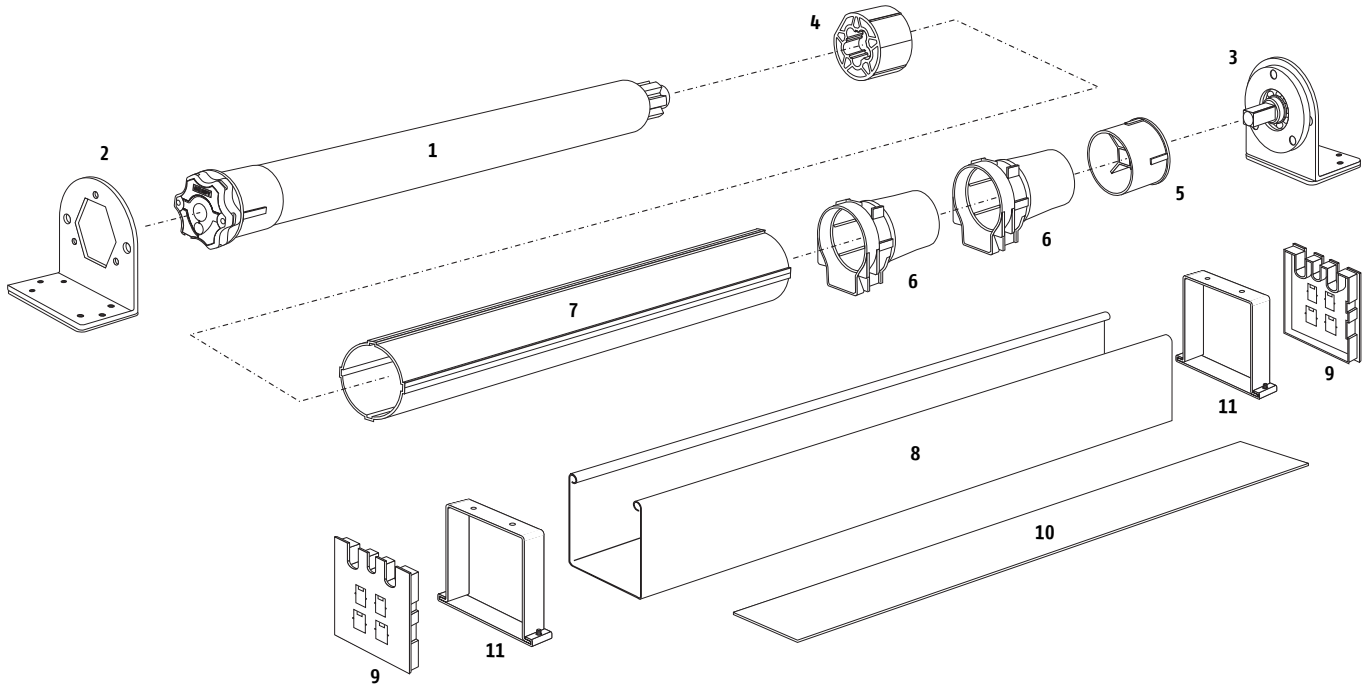
COMPLETE ASSEMBLY
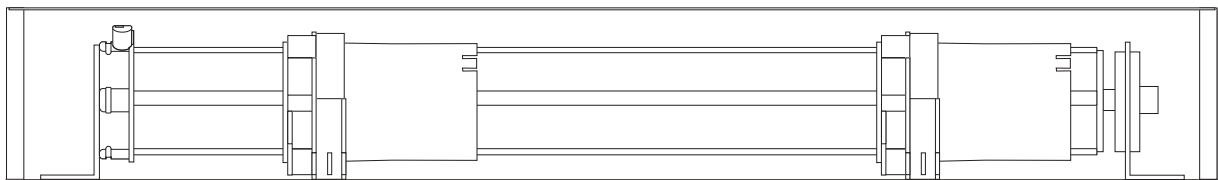
PRODUCT CHART

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
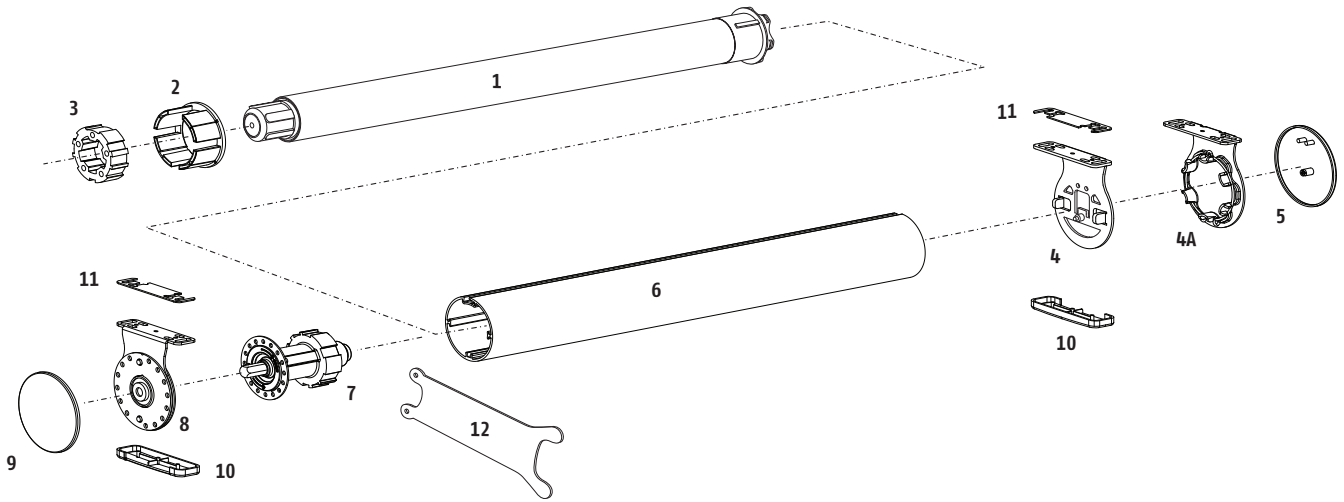
DIMENSIONS AND LIGHT GAP SPECIFICATIONS
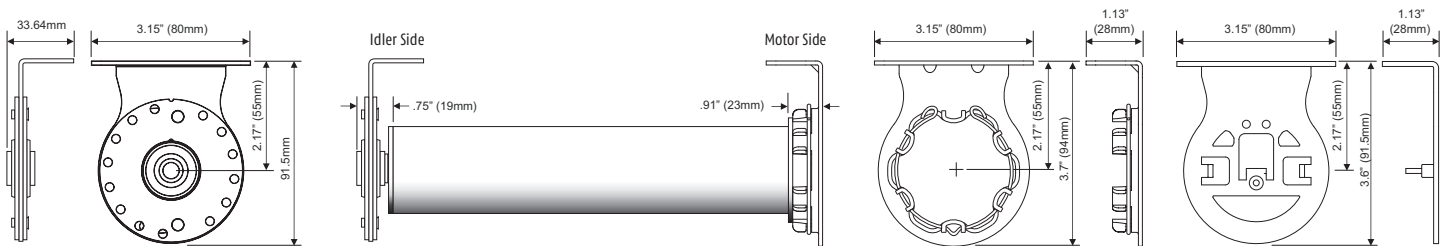
PRODUCT CHART

IMAGE	DESCRIPTION	CATALOG NUMBER
1	Motor (Sonesse™ 50 RTS)	Refer to individual 500 Series Spec Sheet
2	ST50 Crown 56mm tube	9014125
3	ST50 Drive Wheel 56mm tube	9014126
4	ST50 Round Head Motor Bracket 55P	9014109
4A	ST50 Star Head Motot Bracket 55P	9014135
5	ST50 Motor Bracket Cover	9014111
6	56 0D Aluminum Sonesse 50 tube (FT) – White Powder Coat	1780744
6	56 0D Aluminum Sonesse 50 tube (FT) – Mill Finish	1780743
7	ST50 Auto Plug End 56mm 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

INTERMEDIATE BRACKET COMPONENTS (STANDARD & 0-90º)

INTERMEDIATE STANDARD
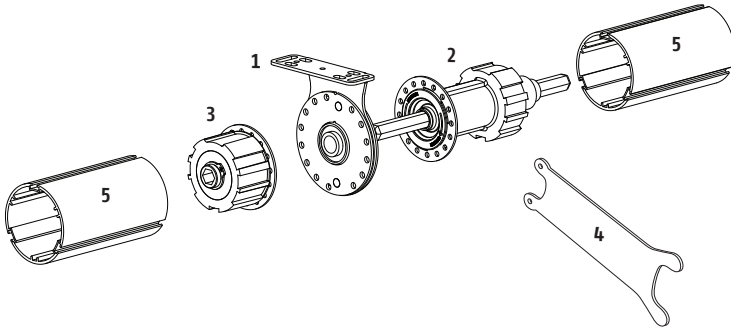
INTERMEDIATE 0º - 90º

DIMENSIONS AND LIGHT GAP SPECIFICATIONS (INTERMEDIATE)

INTERMEDIATE BRACKET (showing star head motor)
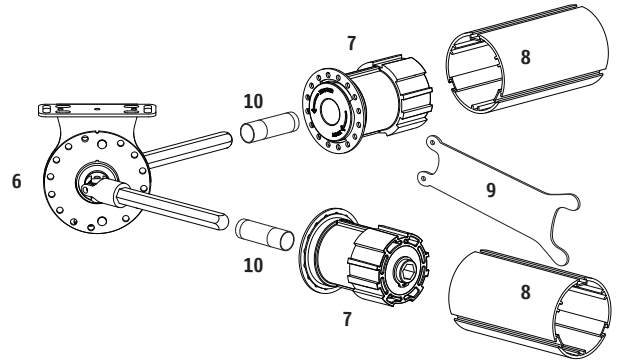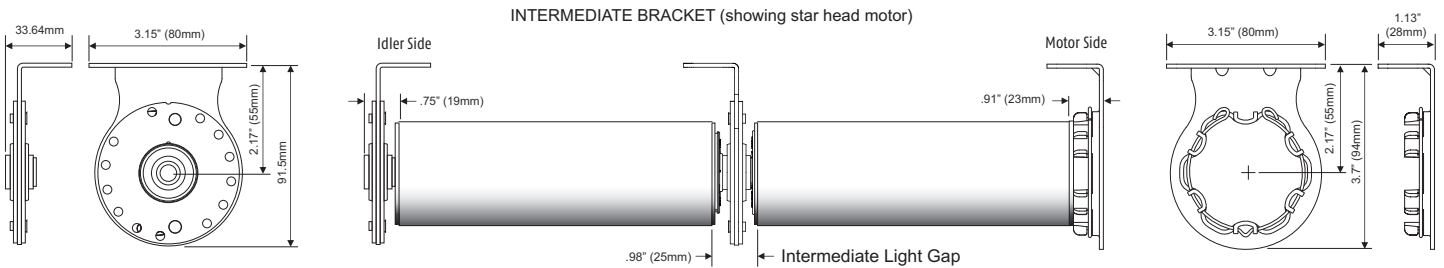
PRODUCT CHART – Standard

IMAGE	DESCRIPTION	CATALOG NUMBER
1	ST50 Intermediate Bracket ceiling mount 55P	9014120
1	ST50 Intermediate Bracket wall mount 55P	9014240
2	ST50 Intermediate Drive 56mm tube	9014114
3	ST50 Intermediate Receiver 56mm 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 – 0º to 90º

IMAGE	DESCRIPTION	CATALOG NUMBER
6	ST50 Intermediate Bracket ceiling mount 55P / 90º	9014122
6	ST50 Intermediate Bracket wall mount 55P / 90º	9014239
7	ST50 Intermediate Receiver 56MM tube 90º (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

STANDARD BRACKET COMPONENTS

DIMENSIONS AND LIGHT GAP SPECIFICATIONS

1.35" (34mm) 3.15" (80mm) 2.5" (64mm) 4.25" (108mm)

.94" (24mm) .94" (24mm)

3.15" (80mm) 1.35" (34mm) 2.5" (64mm) 4.25" (108mm)
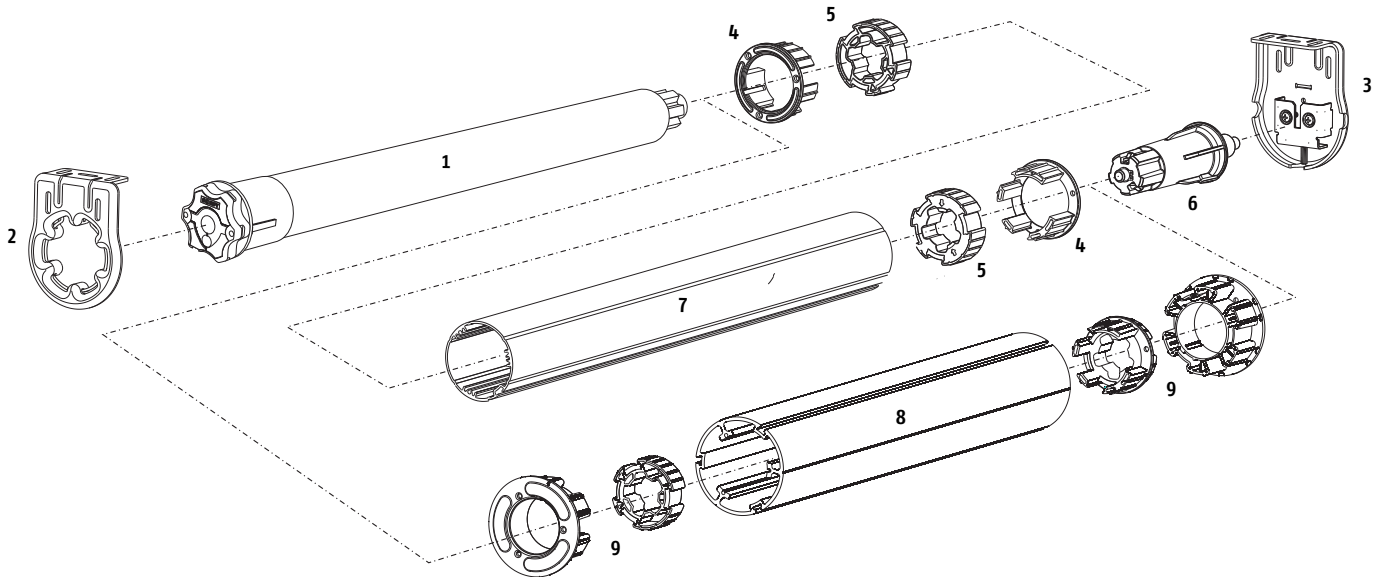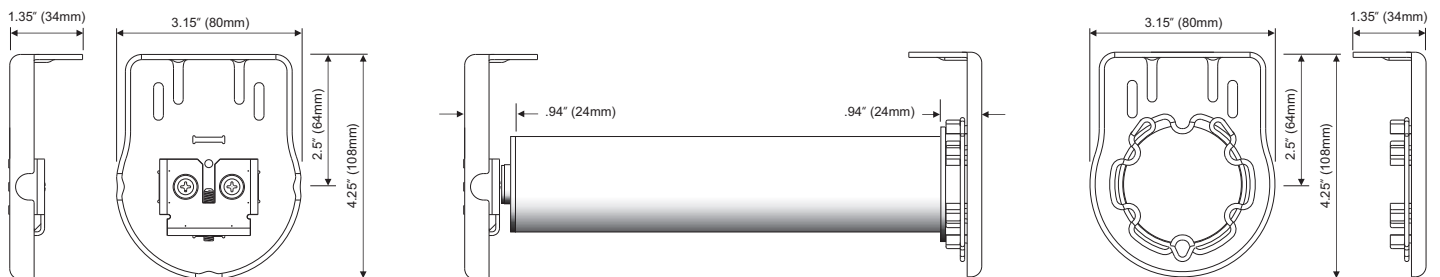
PRODUCT CHART

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" (63mm) tube	9016856
4 & 5	Rollease® "Silent Pin" Crown and Drive Adapter for Rollease 2.5" (63mm) 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" (83mm) tube	9016855

Standard Roller Tube and Acccessories
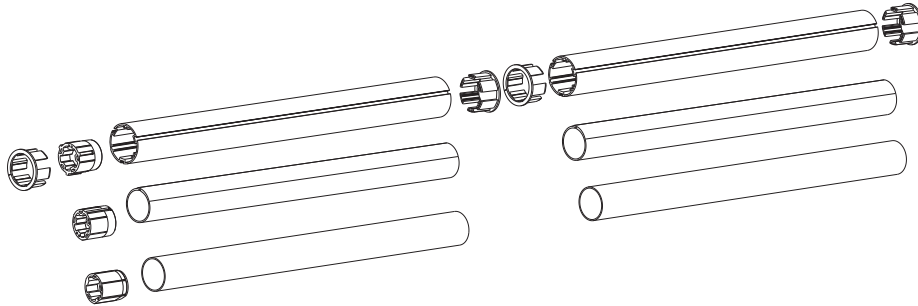
Motor Brackets and Accessories for Somfy 500 Series Motors
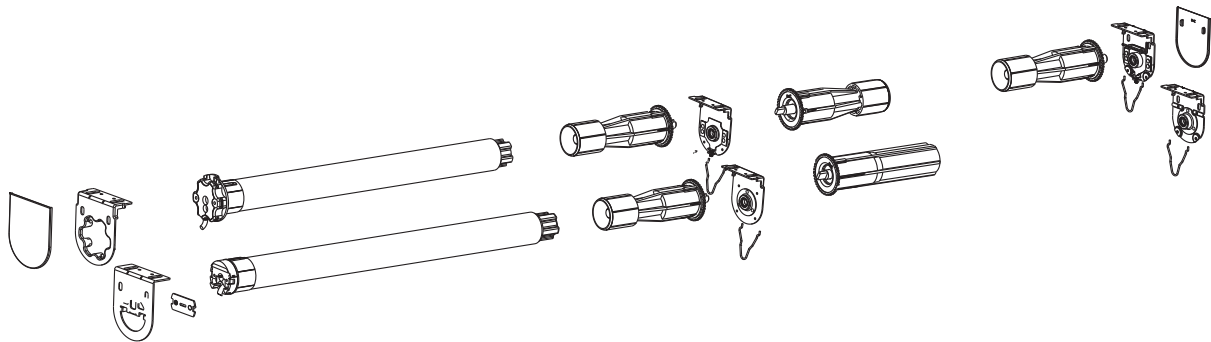
Motor U-joint Indexable Bracket for Somfy 500 Series Motors
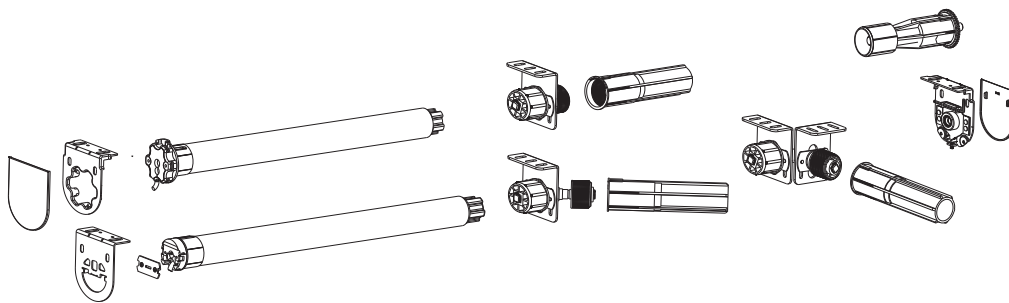
4" Adjustable U-joint Indexable Fascia Bracket for Somfy 500 Series Motors

Contact ZMC for Items and Part Numbers: www.zmc.ca

4" Fascia Brackets for Somfy 500 Series Motors
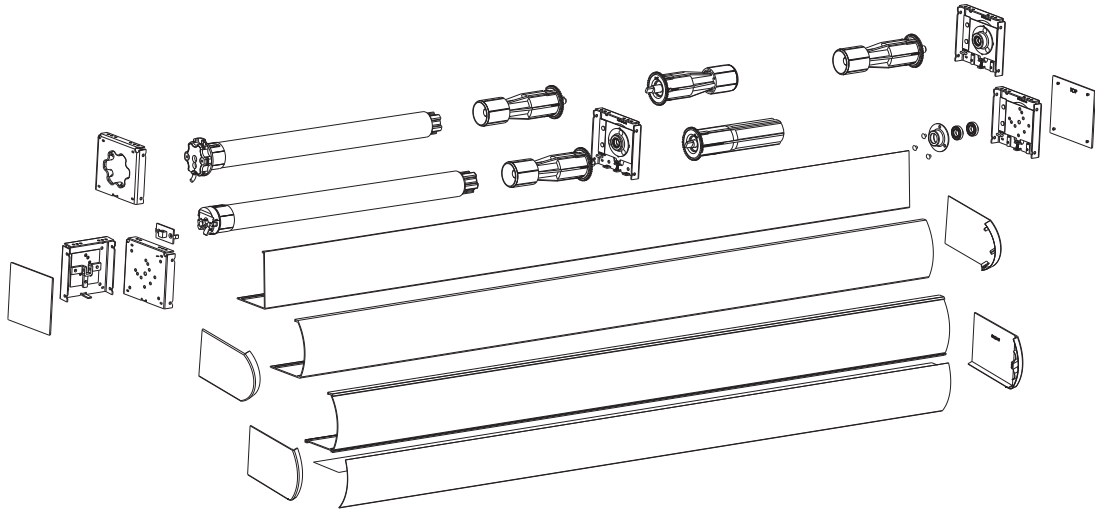
5.5" Smart Head Box System for Somfy 500 Series Motors
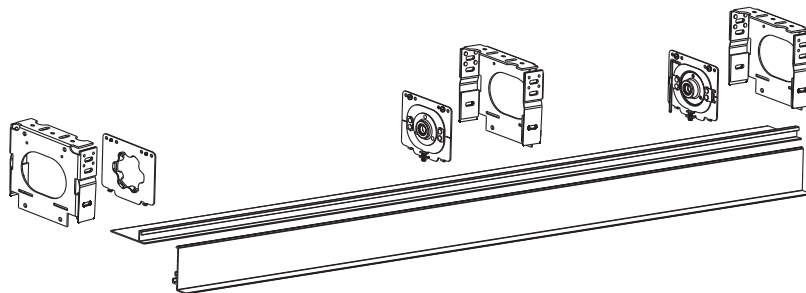
7" Fascia System for Somfy 500 Series Motors
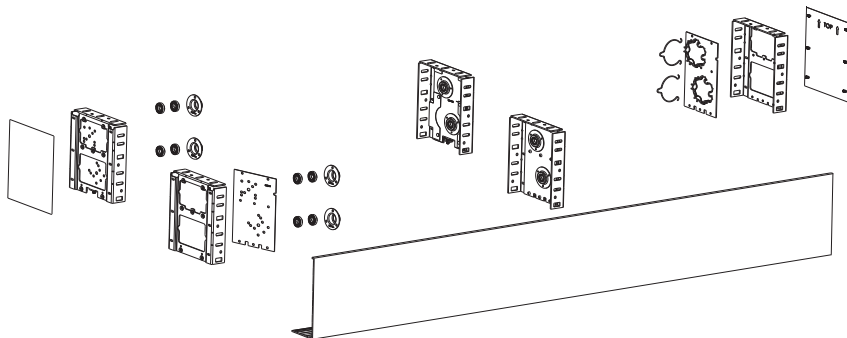
7" Smart Head Box System for Somfy 500 Series Motors

Contact ZMC for Items and Part Numbers: www.zmc.ca
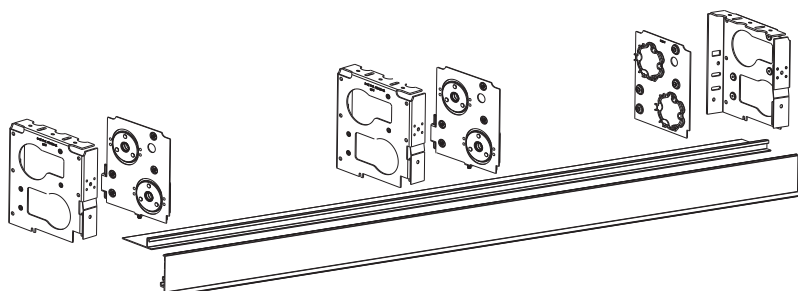
500 SERIES MOTOR BRACKETS

LT50 Motor Angle Bracket	Universal LT50 Motor Bracket (LS Style) for 10 mm Square Stud	"U" Shape LS Style Motor Bracket for 10 mm Square Stud	Heavy Duty Angle Plate
- 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	- Zinc-plated steel - Maximum motor torque – 25 Nm - Horizontally and vertically adjustable - Maximum system load – 57 Kg. (126 Lbs.)	- Maximum motor torque – 25 Nm - Zinc-plated steel - Maximum system load – See note below - Cotter Pin included	- 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 # 9012250	**Part # 9410665**	**Part # 9510658**	**Part # 9701091**
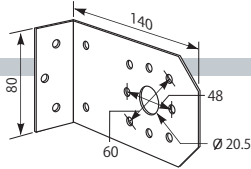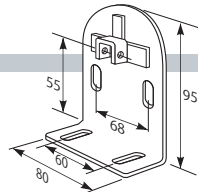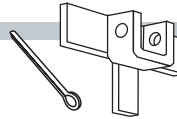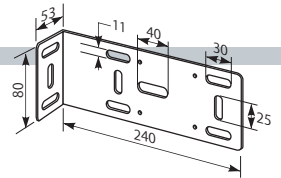
Motor Bracket LT60 FTS	Motor Bracket With Spring Ring (100 mm x 100 mm)	LT50/60 Motor Bracket with ½" Conduit Connector	Motor Bracket With Spring Ring (120 mm x 120 mm)
- Zinc plated steel, gauge 3 (0.24 in.) - For use with LT FTS 60 - Maximum motor torque – 100 Nm - Includes universal bracket with spring 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	- 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	- 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.	- 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 # 9430601	**Part # 9763508**	**Part # 9012262**	**Part # 9763503**
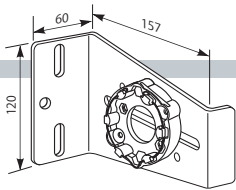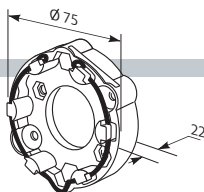
Universal Bracket with Spring Ring	Weld-on Bracket Without Spring Ring
Spring ring needs to be replaced with locking spring ring # 9910002 to obtain maximum torque and load capability	Spring ring must be ordered seperatly (not included)
- Assembled to accept Inch Series threaded screws 1/4 – 20, 5/16 – 18 (nuts molded into bracket) **Part # 9910021**	- 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
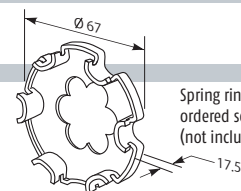
Universal Bracket with Spring Ring – Zamak Aluminum Alloy Material

- 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

Part # 9206029

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

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

500 SERIES MOTOR BRACKETS

LT50 Compact Bracket
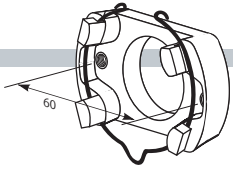
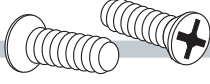- Two mounting holes with molded in M5 nuts 60mm apart
- Maximum motor torque 35Nm when used with Locking Spring Ring
- Black nylon material

Part # 9708461

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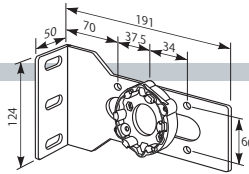
- With two M8 screws and nuts included
- Angle plate (zinc-plated steel)
- Three adjustment positions possible
- Maximum motor torque – 85 Nm or 100 Nm when used with locking spring ring # 9910002
- Maximum system load – 130 Kg. (287 Lbs.) or 200 Kg. (441 Lbs.) with locking spring ring # 9910002

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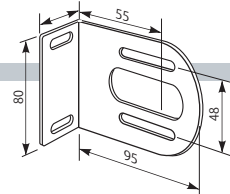
- Zinc plated steel
- Compatible with idler end bearing support # 1781098 and intermediate bearing support # 9146011
- Maximum motor torque – 50 Nm
- Maximum load – 69 Kg. (152 Lbs.)

Part # 9410639

LT50/60 Radial Motor Bracket
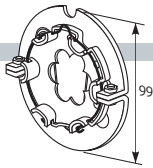
- Maximum motor torque 80 Nm
- Zinc plated steel
- Allows for easy removal of LT motor without removing entire bracket. It disassembles in 2 pieces with one part remaining attached to structure
- Maximum system load – See note below

Part # 9420620

LT50 Universal Motor Bracket
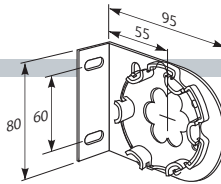
- Maximum motor torque – 50 Nm
- Zinc plated steel
- Maximum system load – 115 Kg. (254 Lbs.)
- Compatible with idler bracket # 9410635, # 9410633 and intermediate bracket # 9410648

Part # 9410651

LT50 Adjustable Universal Motor Bracket
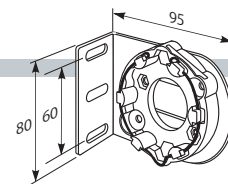
- Zinc plated steel
- Without molded nuts
- Maximum motor torque – 50 Nm
- Maximum system load – 115 Kg. (254 Lbs.)

Part # 9002550

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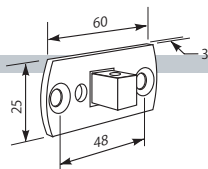
- Zinc plated steel – yellow
- LO LT motor bracket with a 10 mm stud. Vertical pin hole
- Mounting screws # 9670013 not included
- Maximum motor torque – 25 Nm for new LT applications
                          35 Nm for replacing LS motor with LT motor
- Maximum system load – 70 Kg. (154 Lbs.)

Part # 9206020

Same as above, except pin hole is horizontal

Part # 9206021

"LO" LT50 Motor Bracket
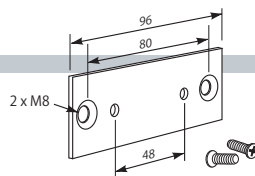
- Comes with two 5 mm motor mounting screws
- Maximum motor torque 50 Nm
- Zinc plated steel
- Maximum system load – See note below

Part # 9410612

Adjustable Motor Bracket with Spring Ring
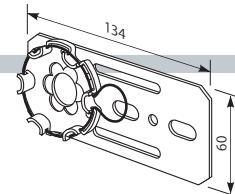
- Zinc-plated steel
- Horizontally and Vertically adjustable
- Lateral space requirement for installation: 27 mm
- Maximum motor torque 50 Nm
- Maximum system load – See note below

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 MOTOR BRACKETS

LT50 HA Motor Bracket*	LT RH Motor Bracket	LT50 Angle Bracket*	CTS50 Motor Mounting Bracket* (Cord Take-Up System)
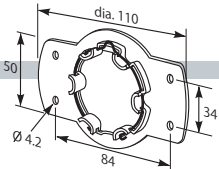
- Allows flush mounting of the motor head against the mounting surface
- Zinc plated steel
- Maximum motor torque – 50 Nm
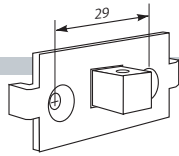
- Pin hole is vertical
- Zinc plated steel
- 10 mm square stud
- Maximum motor torque – 25 Nm
- Mounting Screws # 100405B included
- Maximum system load – 70 Kg. (154 Lbs.)

Part # 9910016

Same as above except pin hole is horizontal

Part # 9910017
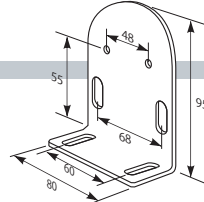
- For ceiling and wall installation
- Zinc plated steel
- Horizontally and vertically adjustable
- Maximum motor torque – 50Nm

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

Part # 9410715

Part # 9410637

Part # 1781110

500 SERIES IDLER BRACKETS

CTS50 Motor Idler Bracket* (Cord Take-Up System)	LT Idler End Bracket (inside diameter 10 mm)	Idler Bracket 10 mm Ball Bearing and Holder Kit
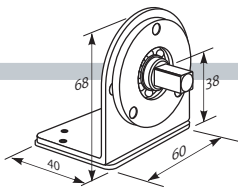
- Zinc plated
- 10 mm square shaft with ball bearings
- Adaptable for Nichibei headrail (70 x 70)
- Maximum motor torque – 10Nm
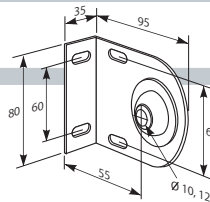
- Zinc plated steel
- 10 mm ID Nylon ball bearing
- Compatible with motor brackets # 9410665 and # 9410651
- Maximum motor torque – 50 Nm
- Maximum system load 130 Kg. (287 Lbs.)

Part # 9410635

Same but with a 12 mm ID Nylon Ball Bearing
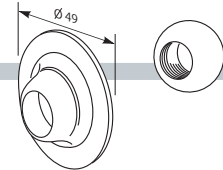
Part # 9410633

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

Part # 1781112

Heavy Duty Idler Bracket*	Lt50 Round Anti-Vibration Idler Bracket*	Lt50 Idler Bracket with 14 mm ID Bearing*
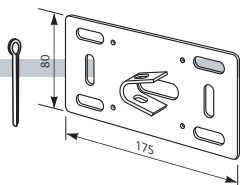
- Used with end cap having stationary 16 mm diameter shaft
- Cotter pin holding end cap's shaft included
- Zinc plated steel
- Maximum motor torque – 100 Nm
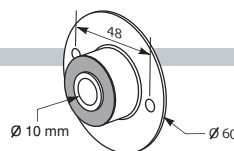
- Zinc plated steel with a 10 mm round insert surrounded by rubber
- Can be mounted on # 9410637
- Maximum motor torque – 20Nm
- Can reduce sound levels by 2–4 dB
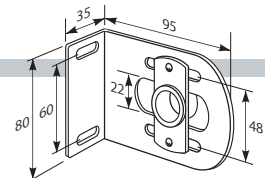
- Zinc plated steel
- Adjustable bearing location
- Maximum motor torque – 50 Nm

Part # 9132065

Part # 9701310

Part # 9002540

*Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.
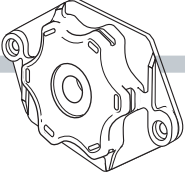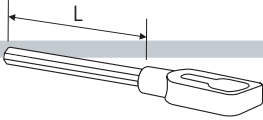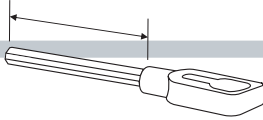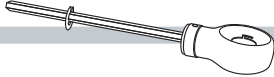
35

500 SERIES IDLER BRACKETS

Idler End Bearing Support for 14 mm Diameter Shaft*	Idler End 12 mm Nylon Ball Bearing with Holder	Idler End Cap Holder and Cotter Pin
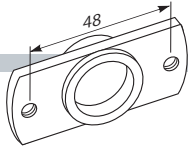
– Two threaded mounting holes for M5 screws
– Sintered Brass in a zinc plated steel plate
– Mounting hardware included
– Compatible with shaft # 1781011 and brackets # 9012250 and # 9146001
– Maximum motor torque 50 Nm

Part # 9080239

Same as above but hardware not included
Part # 9146007

With 16 mm Dia. Shaft (no hardware)
Part # 9146011

– 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

– 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 80mm (zinc plated) # 132444A

Part # 9540786

Heavy Duty Idler Bracket with Idler End Cap Holder	"U" Shaped Idler Bracket	White Dress Cover for Idler Brackets	Idler Bearing (for Ø 12mm Shaft)
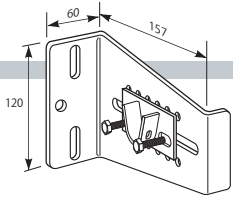
– Two screws and cotter pin included
– Zinc plated steel, gauge 3(0.2391 in.)
– Used with end cap having stationary 16 mm diameter shaft
– Maximum motor torque when properly installed with cotter pin:
  – FTS range – 55 Nm
  – LT range – 100 Nm
– Maximum system load – 200 Kg. (441 Lbs.)

Part # 9430603

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

Part # 9127808

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

Part # 9002519

– Nylon material
– Maximum motor torque – 40Nm
– 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 INTERMEDIATE BRACKETS

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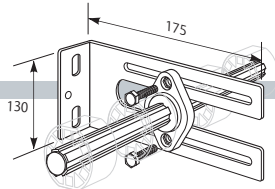
- Will adapt to any tube profile using tube matching LT drives
- The 4 drives are not included and must be specified separately
- Maximum motor torque:
  FTS range − 55 Nm, LT range − 100 Nm
- Heavy gauge 3(0.24 in.), zinc plated steel
- Extruded aluminum shaft with heavy duty roller bearing

Part # 9420673

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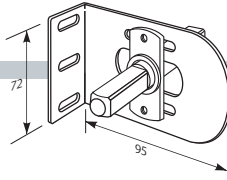
- Zinc plated steel
- 16 mm bearing plate # 9146011 also sold separately
- Square shaft # 1781018 also sold separately
- Maximum motor torque:
  FTS range − 25Nm, LT50 range − 50Nm
- Maximum system load − 69 Kg. (152 Lbs.)

Part # 9002541

LT50 Adjustable Intermediate Support Bracket for a 2" Tube
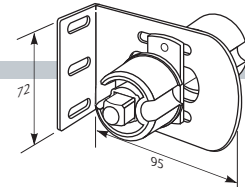
- Zinc plated steel bracket
- Cast aluminum drives, with set screw − set screw must use lock tight to prevent screw from vibrating free
- Maximum motor torque:
  FTS range − 25Nm, LT50 range − 50Nm
- Maximum system load − 69 Kg. (152 Lbs.)

Part # 9012203

LT50 Adjustable Intermediate Support Bracket for a 2.5" Tube
Part # 9012204

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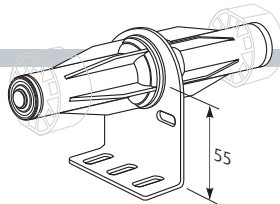
- Zinc plated steel bracket
- Composite end caps
- Maximum motor torque − 15 Nm
- Requires notched 2" tube for transfer of torque
- Recommended tube used included with 2" LT drives
- Maximum system load − 69 Kg. (152 Lbs.)
- Compatible with LT brackets # 9410665, # 9410651, # 9410635, and # 9410633

Part # 9410648

LT50 Flexible Intermediate Bracket Kit for 2" Tube
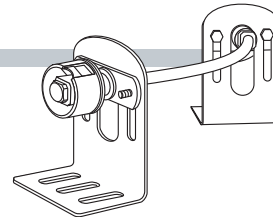
- Maximum angle up to 30°
- Maximum effective motor torque − 7 Nm
- Zinc plated steel bracket
- Cast aluminum drives and flexible coiled steel shaft
- Maximum system load − 28 Kg. (60 Lbs.)

Part # 9012318
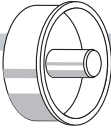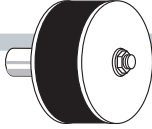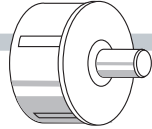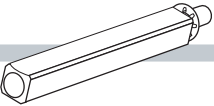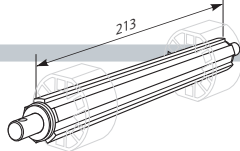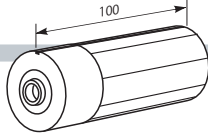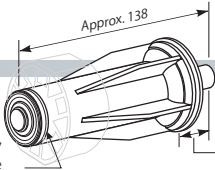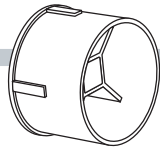
Same as above except for maximum angle up to 45°
Part # 9012319

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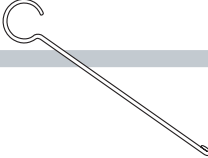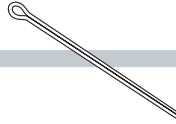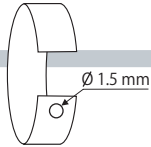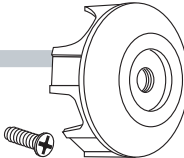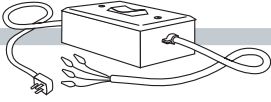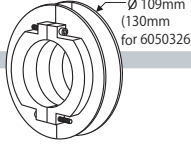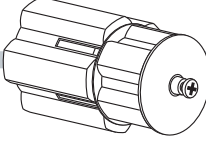
500 SERIES END CAPS

Die Cast End Cap*

- For tube diameter 2" (50 mm)
- Shaft Diameter 0.39" (10 mm)
- Maximum motor torque – 50 Nm

Part # 9128101

Same as Above but with 12 mm Shaft

Part # 9132087

2" Anti-Vibration End Cap*

- 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

Part # 9701380

Molded Composite End Cap*

- For tube diameter 2.5" (63 mm)
- Shaft Diameter 0.59" (15 mm)
- Maximum motor torque – 40 Nm

Part # 9701116

- For tube diameter 2.0" (50 mm)
- Shaft diameter 0.40" (10 mm)
- Maximum motor torque – 50 Nm

Part # 9700958

2" Tube Idler End Cap without Shaft

NOTE: Set screw must use Lock-tight to prevent screw from vibrating free.

- Cast aluminum with set screw

Part # 9129631

2.5" Tube Idler End Cap without Shaft
- Cast aluminum with set screw

Part # 9129632

2.75" Tube Idler End Cap without Shaft
- Cast aluminum with set screw

Part # 9129633

13 mm Square Drive Shaft with 12 mm Diameter Shaft

- Zinc plated steel shaft

Part # 1781009

13 mm Square Drive Shaft with 14 mm Diameter Shaft

- Zinc plated steel shaft

Part # 1781011

Heavy Duty End Cap with 16 mm Diameter Shaft

213

- 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:
  - FTS range – 55 Nm
  - LT range – 100 Nm
- Maximum system load – 200 Kg. (441 Lbs.)

Part # 9420674

Roller Tube End Cap with 12 mm Hole*

100

- For tube 50 x 1.5 mm
- Black composite with ball bearing

Part # 9701288

Roller Tube End Cap with 10 mm Hole*

Part # 60903170

Universal End Cap with 10 mm Collapsible Shaft

Approx. 138

Retaining C lip #4210017 attaches here

Compresses to 12mm

- 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:
  - With awning – 50 Nm
  - With FTS – 25 Nm
- Maximum system load – 40 Kg. (88 Lbs.)

Part # 9420800

Same as above but with shorter pin

Part # 9420814

Same as above but with 12 mm shaft

- 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.

Part # 9420801

Same as above but with 14 mm Shaft

Part # 9420802

Idler End Cap for CTS 50 Tube

- Maximum system load – See note below
- Used with # 1781112

Part # 1781113

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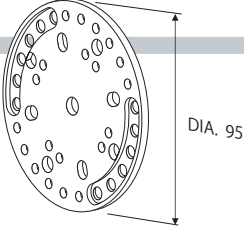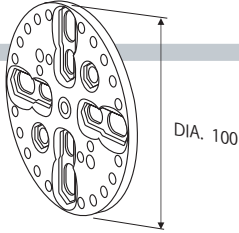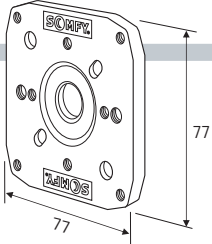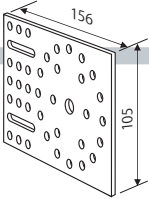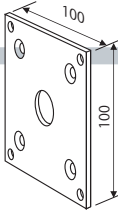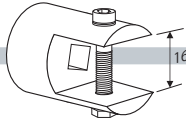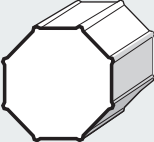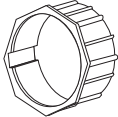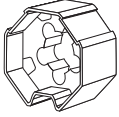
500 SERIES MISCELLANEOUS

LT50 Motor Mounting Screws– Flat Head, Self Tapping Tri lobe 5mm Dia. (13mm Deep)	**Spring Ring with Loop**	**Spring Ring**	**Locking Spring Ring**

Part # 9670013

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

Part # 100405B

– 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

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

Part # 9206033

– 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	**Cotter Pin**	**Fabric Fastening Clip**	**LT50 Stop Wheel**	**Tester Cable – 4 Wire**

– Black finished steel

– 3.5mm x 45mm

Ø 1.5 mm
– 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

– 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

– 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

Part # 9206015

Part # 43500020

50 x 1.5 mm Tube Cord Take-up Reel	**2" Tube Take-up Reel**	**Anti-Blocking System (ABS)**

Ø 109mm (130mm for 6050326)

– 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

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

Part # 1781151

40mm tube take-up reel
– Outside dia. 66mm

Part # 1781152

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**
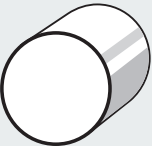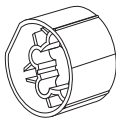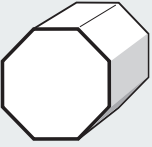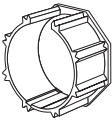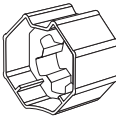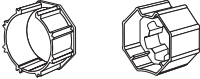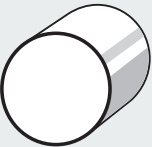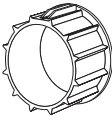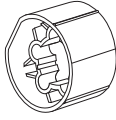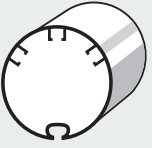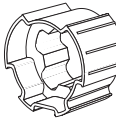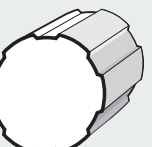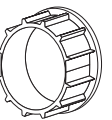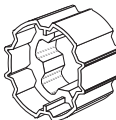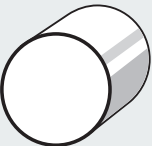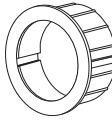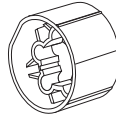
CMO MECHANICAL ACCESSORIES

CMO Motor Bracket

- 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

Part # 9910051

CMO Awning Eye with 2.36" (60 mm) Long 7 mm Hex Shaft

Part # 9685114

CMO Awning Eye with 6.5" (165 mm) Long 7 mm Hex Shaft

Part # 9685136

CMO Awning Eye with 4" (100 mm) Long 7 mm Hex Shaft

Part # 9685148

Sunea Awning Eye with 2.36" (60 mm) Long 7 mm Hex Shaft

Part # 9016332

LT CMO Awning Eye Compatible with Geiger Crank Handles

- 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

Part # 9707287

- Stainless steel M4 socket head screw

Part # 40001040

CMO Motor Limit Setting Tool

- Allows setting the travel limits of the motor when the limit switch buttons are hard to access
- Zinc plated steel

Part # 9910019

Sunea RTS CMO Universal Bracket

- 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

Part # 9015802

CMO Round Awning Motor Bracket

- 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

Part # 9420648

CMO ME Square Awning Motor Bracket

- 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

Part # 9910041

Standard LT and LT CMO Motor Mounting Plate

- 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

Part # 9012293

CMO 100 x 100 mm LT Motor Mounting Bracket

- 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

Part # 9708549

Lt50 Differential Torque Tube Connectors

- For square link bars (16 x 1 mm)
- Zinc plated steel

Part # 9012778

- For round link bars (Dia. 16 x 1 mm)

Part # 9910045

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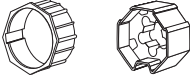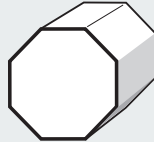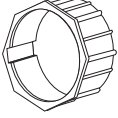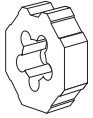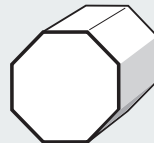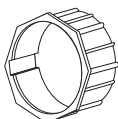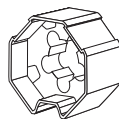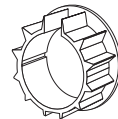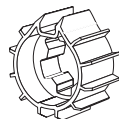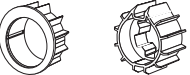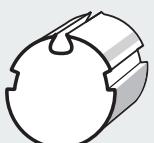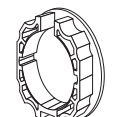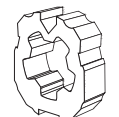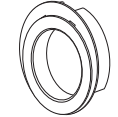
CROWNS AND DRIVES

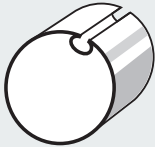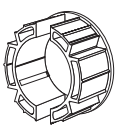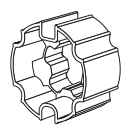| TUBE PROFILE	CROWN	DRIVE	SET
ø 2 in. / 50mm	No Crown is Needed	2.0" Round LT50 Drive (50 mm x 1.5 mm) – Soft clip **Part # 9206089** 2.0" Round LT50 Drive (50 mm x 1.5 mm) – Hard clip **Part # 9206088**	
ø 60mm Octagonal IMBAC	60 mm Octagonal LT50 Crown **Part # 9707025**	60 mm Octagonal LT Drive **Part # 9751001**	60 mm Octagonal LT50 Set **Part # 9012233**
ø 2.5 in. / 63mm	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 65mm MADOPRON Sun Master	SM 65 LT50 Crown – 3 Grooves **Part # 9707030**	SM 65 LT Drive **Part # 9751002**	
ø 65mm IMBAC	I65 LT50 Crown **Part # 9707024**	I65 LT50 Drive **Part # 9751004**	I65 LT50 Set **Part # 9012240**
ø 2.75 in. / 70mm	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.
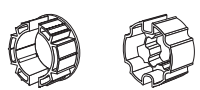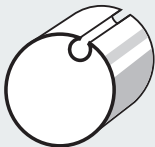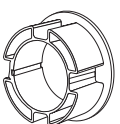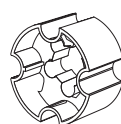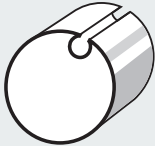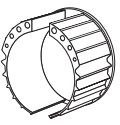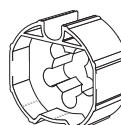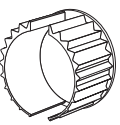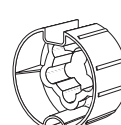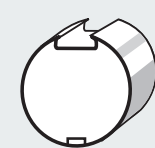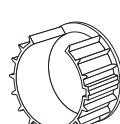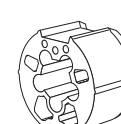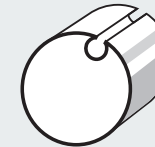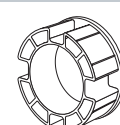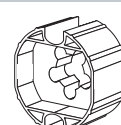
CROWNS AND DRIVES

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

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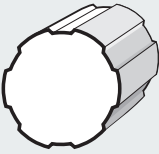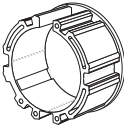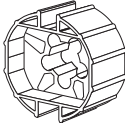
CROWNS AND DRIVES

TUBE PROFILE	CROWN	DRIVE	SET
ø 74mm DOHNER	DS 74 LT50 Crown **Part # 9707037**	DS 74 LT50 Drive **Part # 9751009**	DS 74 LT50 Set **Part # 9012238**
ø 78mm 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 78mm 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 78mm 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 78mm MHZ	LT60 Crown (78 mm) **Part # 9762012**	LT60 Drive (78 mm) **Part # 9761012**	
ø 85mm 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.

CROWNS AND DRIVES

TUBE PROFILE	CROWN	DRIVE	SET
 ø 85mm IMBAC	 I85 LT60 Crown **Part # 9690085**	 I85 LT Drive **Part # 9420300**	 I85 LT60 Set **Part # 9012222**
 ø 3.5"/89mm	 3.5" Round LT50 Crown (81mm x 1mm) **Part # 9012656** 3.5" Round LT60 Crown (89mm x 2mm) **Part # 9520312**	 3.5" Round LT Drive (89 mm x 2 mm) **Part # 9420303**	 3.5" Round LT50 Set **Part # 9012236** 3.5" Round LT60 Set **Part # 9012248**
 ø 4"/102mm	 4.0" Round LT60 Crown **Part # 9420370**	 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**	 4.0" Round LT60 Set **Part # 9012221**

*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 Inch 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

U.S. 1 Inch SS Hardware Kit

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

U.S. 1.25 Inch SS Hardware Kit

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

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

Metric 25 mm SS Hardware Kit

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

Metric 30 mm SS Hardware Kit

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

1/4 – 20 x 1.25 hex head SS18-8 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

CMO ME Square Awning Override Kit

1/4 – 20 x 3/4 hex head SS 18-8 bolt
1/4 – 20 x 1.25 hex head SS18-8 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

1/4 – 20 x 1.25 hex head SS18-8 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

CMO ME Awning Kit without Awning Eye

1/4 – 20 x 3/4 hex head SS 18-8 bolt
1/4 – 20 x 1.25 hex head SS18-8 bolt
Nut hex 1/4 – 20 18-8 SS
1/4 flat washer SS18-8
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

SOMFY SYSTEMS, INC.
NORTH AMERICA HEADQUARTERS
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