

DOMOTICS  
READY



APP  
CONTROL



WIRELESS  
REMOTE



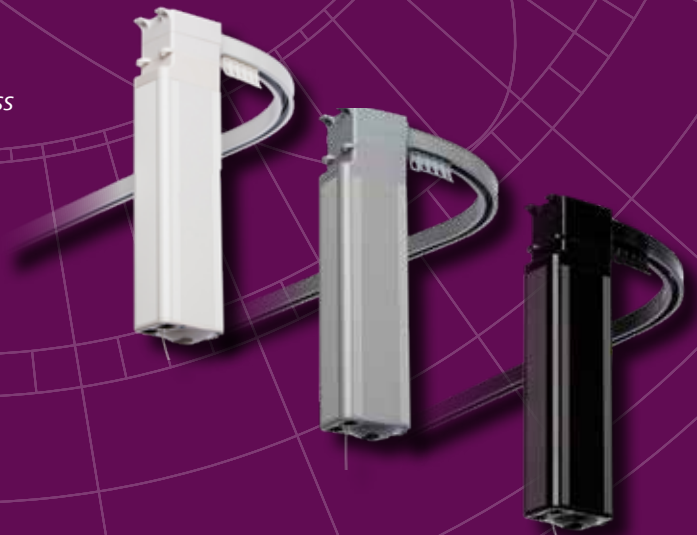
TOUCH  
CONTROL

## FOREST SHUTTLE® Series

The Forest Shuttle® curtain motor and the Forest Motorised curtain track System (FMS®) make an unbeatable combination when it comes to a troublefree operated electric curtains.

FOREST SHUTTLE® S  
FOREST SHUTTLE® M  
FOREST SHUTTLE® L  
FOREST SHUTTLE® AC  
FOREST SHUTTLE® iOn

FOREST FMS®  
FOREST FMS® Plus  
FOREST FMS® Plus Recess



THE WORLD  
BEHIND  
YOUR  
CURTAINS

# FOREST SHUTTLE® Series



When it comes to comfort, the Forest Shuttle® lives up to its expectations. Being able to open and close your drapes remotely, from the comfort of your chair, when you are on holiday, automatically at pre-programmed opening and closing times or even linked to variable sunrise and sunset times. The Forest Shuttle® is the silent force behind the opening and closing of draperies all over the world.

The Shuttle® can be fully integrated in all major home automation systems.

For maximal safety, integrated emergency control ensures manual operation of the drapery in case of power failure.

The smooth and silent running curtain track system can, in addition to remote operation, also be operated by hand. Thanks to Touch Control technology, a gentle pull on the curtain is enough to activate the motor.

## COLOUR OPTIONS SHUTTLE® L



## PRODUCT INFORMATION

All Shuttle® motors offer these functions:

- Integrated Radio Frequency (RF) for Diamond Sense Remote control or wall switch;
- Integrated Emergency Control with automatic declutch in case of power failure, to ensure a manual operation of the curtains;
- Touch Control Technology, gently pulling the curtain by hand will activate the motor. Sensitivity adjustable<sup>1</sup>;
- Modular motor<sup>1</sup>, different modules can be attached for various control options: Infrared, Domotics, Building/Hotel Automation, Serial Communication;
- Integrated Z-Wave Plus as option (only Shuttle® S/M/L);
- Easy integration<sup>1</sup> in apps of Google / Apple;
- Ultra Silent motor;
- Slow start and slow stop;
- Full automatic setting of the limits;
- Programming of intermediate positions possible;
- Stack-back position programmable to every desired setting;
- Motor can be mounted on the left or the right of the track;
- Can be used with curved/bended Forest motorised track (one or two bends of 90 degrees) or radius bends;
- For Skylight System (FSS®) a special Shuttle® M motor with receiver and fixed drive is available;
- Tandem motor application possible as well;
- Motor can be placed upside down for recess installation.
- Warranty<sup>2</sup>: 10 years

<sup>1</sup>\*1 Except Shuttle® AC

<sup>2</sup>\*2 Except Shuttle® iOn



## DECORATIVE TRACK OPTIONS

All Forest Shuttle® motors are applicable on the FMS® track system. More decorative options are also available: DS-XL® LED motorised and the Motorised Rod System (MRS®).



**DS-XL® LED  
DESIGN TRACK**



**MRS®  
MOTORISED ROD TRACK**

## SHUTTLE DEMO SUITCASE

We have developed a special demo case for the Forest Shuttle®. In this case you will find a sample of the motorised Forest Shuttle® L system.

The case also contains examples of the motorised FMS Plus® track, a 'Forest Diamond Sense' remote control, a multi-wireless wall transmitter and the Wi-Fi Dongle. All other accessories and documentation are of course included.



## FOREST SHUTTLE® SERIES

The Forest Shuttle® is offered in 5 versions:



**SHUTTLE® S**

24 Volt



**SHUTTLE® M**

24 Volt



**SHUTTLE® L**

100 - 240 Volt



**SHUTTLE® AC**

100 - 240 Volt



**SHUTTLE® iOn**

14,8 Volt





# FOREST SHUTTLE® iOn



Our bestselling Forest Shuttle® system is now also available in a wireless, battery powered version. The Shuttle® iOn is perfect for areas without nearby power points.

An extensive period of research, development and endurance testing on countless of track set-ups has resulted in the Forest Shuttle® iOn. The Shuttle® iOn's motor is fitted with an internal, removable heavy duty battery pack. Depending on the track size and curtain weight, the battery only needs to be charged 2 to 3 times per year.

You can expect the same unique functionalities as that of the wired Shuttle® L, like Touch Control technology. The motor has an integrated Multi RF receiver, allowing for operation using any Forest remote control option.

## Unique in the market

The Shuttle® iOn can be used in combination with curved tracks, which is unique in the market. It fits all Forest motorised track systems, like the FMS® system, FMS® Plus recess system, MRS® motorised rod system and also the DS®-XL motorised track systems.

## FOR USE IN

Hotels, offices, residences, boats and yachts, showrooms or anywhere a wireless motorised track system is required for curtains and drapes.

## PRODUCT INFORMATION

- Li-ion rechargeable battery pack;
- Suitable for curtains up to 25 kg and 8 meter track length (straight track);
- Suitable for bended/curved curtain tracks with up to 2 bends in, for example, bay windows;
- A single full charge will last up to 6 months;
- Available colours: white, black.



# FOREST SHUTTLE® Control Options

Our wide range of controls make finding a fit for your home even easier; controlling the curtains by hand, remote or even by building automation system. With the remote you can control the curtains in any position you like. When controlling the motorised curtain system by your smartphone or tablet, you can create and schedule customized room scenes that allow your curtains to operate on their own throughout the day.



## FOREST DIAMOND SENSE REMOTE

15 or 2 Channel Remote control. Control up to 15 systems individually and in group by integrated timer function or manual. Auto-On mode, when holding hand above it, the integrated LED light will automatically come on. Radio control, range up to 30 meters. Including magnetic wall support.



## FOREST WI-FI DONGLE

With the Shuttle® Wi-Fi dongle, you can control your motorised curtains on your mobile device by the Forest Connect app or even by voice command with the easy integration in for example Google Home, Amazon Echo or Apple Siri without the need for an additional hub or gateway.



## FOREST WIRELESS CONNECTOR

The Forest Wireless Connector is an easy way to make the motorised curtain systems 'smart'. This wireless remote solution works in combination with an analogue timer or a smart plug with which services as Apple HomeKit or Google Assistant or Amazon Alexa become available. It is also easily incorporated into most popular building management systems, including dry contact controls.



## BUILDING AUTOMATION / HOTEL CONTROL

The Forest Shuttle® can be connected to any Building Automation system, by relay control.

## SMART DEVICE CONNECTIVITY

|   | Shuttle S/M/L  | Shuttle S/M/L/ with Z-Wave | Shuttle iOn | Shuttle AC     | Forest Connect app | Google Home    | Apple Homekit  | Amazon Alexa   | Google Assistant | Voice control Apple Siri |
|---|----------------|----------------------------|-------------|----------------|--------------------|----------------|----------------|----------------|------------------|--------------------------|
| Forest Wireless Connector<br>One way transmitter to control curtains by third party apps or by Domotics. (433Mhz) | ●              |                            | ●           |                | ● <sup>1</sup>     | ● <sup>1</sup> | ● <sup>1</sup> | ● <sup>1</sup> | ● <sup>1</sup>   | ● <sup>1</sup>           |
| Forest Wi-Fi Dongle in combination with Forest Connect app  | ●              | ●                          |             |                | ●                  | ●              |                | ●              | ●                | ●                        |
| Smartwares Controller in combination with HomeWizard lite app (433 Mhz)   | ●              |                            | ●           |                |                    |                |                | ●              |                  |                          |
| Homey in combination with Homey app   | ●              | ●                          | ●           |                |                    | ●              | ●              | ●              | ●                | ●                        |
| FIBARO System in combination with FIBARO Home Center app  |                | ●                          |             | ● <sup>2</sup> |                    | ●              | ●              | ●              | ●                | ●                        |
| Samsung SmartThings Hub in combination with Samsung SmartThings app   |                | ●                          |             |                |                    | ●              | ●              | ●              | ●                | ●                        |
| 230 Volt hard-wired building management system  | ● <sup>3</sup> |                            |             | ●              |                    |                |                |                |                  |                          |

1) In combination with a smart plug

2) Only with FIBARO Roller Shutter 3 / Walli Roller Shutter

3) In combination with an AC Control Set

## WORKS WITH



[www.amx.com](http://www.amx.com)



[www.knx.nl](http://www.knx.nl)



[www.z-wave.com](http://www.z-wave.com)



[www.crestron.com](http://www.crestron.com)



[www.smart-homes.nl](http://www.smart-homes.nl)

Forest Shuttle® is compatible with many other Building Automation systems, thanks to its modular construction. A competitive advantage over the motorised drapery systems in the world!

# FOREST SHUTTLE® Technical information



## SPECIFICATIONS

|                                      | SHUTTLE® S  | SHUTTLE® M  | SHUTTLE® L                 |
|--------------------------------------|---|---|----------------------------|
| Voltage Shuttle                      | 24V DC  | 24V DC  | 100 - 240V~ 50 - 60Hz 0.8A |
| RF Multi Receiver                    | Internal  | Internal, optional  | Internal                   |
| Power Supply                         | External, 100 - 240V AC - 0,8A - 50 - 60Hz;<br>Output 24V DC - 2,5A | External, 100-240V AC - 1,5A - 50-60Hz;<br>Output 24V DC - 2,7A | Internal                   |
| Max. power                           | 40W   | 65W   | 40W                        |
| Torque:                              | 1.0 Nm  | 1.5 Nm  | 1.0 Nm                     |
| Speed:                               | 14-17cm/s   | 14-17 cm/s  | 14-17cm/s                  |
| Noise Level:                         | < 40 dB(A)  | < 40 dB(A)  | < 40 dB(A)                 |
| Max. curtain weight (without curves) | 40 kg   | 70 kg   | 40 kg                      |
| Dimensions Motor:                    | 7 x 5 x 20 cm   | 7 x 5 x 23 cm   | 7 x 5 x 28 cm              |
| Net. Weight Motor                    | 700 gr.   | 930 gr.   | 930 gr.                    |
| Dimensions Power Supply              | 50 x 80 x 30 mm   | 50 x 110 x 30 mm  | -                          |
| Protection degree                    | IP20  | IP20  | IP20                       |
| Max. running time                    | 240 sec (in one direction)  | 240 sec (in one direction)                                      | 240 sec (in one direction) |
| Colour options                       | White / Black   | White / Black   | White / Silver / Black     |
| Certification & Marking:             | CE/FCC  | CE/FCC  | CE/FCC                     |

## FEATURES

|                               |          |          |                               |
|-------------------------------|----------|----------|-------------------------------|
| Touch Control technology      | ✓        | ✓        | ✓                             |
| Integrated Emergency control  | ✓        | ✓        | ✓                             |
| RF Communication Standard     | ✓        | ✓        | ✓                             |
| Z-Wave communication          | ✓        | ✓        | ✓                             |
| Automation System compatible  | ✓        | ✓        | ✓                             |
| Wi-Fi compatible              | ✓        | ✓        | ✓                             |
| Works with DS-XL LED Dimmer   | ✓        | ✓        | ✓ (additional adaptor needed) |
| Works with Wireless Connector | ✓        | ✓        | ✓                             |
| Can be used with curved track | ✓        | ✓        | ✓                             |
| Plug & Play                   | ✓        | ✓        | ✓                             |
| Warranty                      | 10 Years | 10 Years | 10 Years                      |



## SHUTTLE® AC

## SHUTTLE® iOn

### SPECIFICATIONS

|                                      |                            |   |
|--------------------------------------|----------------------------|---|
| Voltage Shuttle                      | 100 - 240V~ 50 - 60Hz 0.8A | 14.8V DC  |
| RF Multi Receiver                    | Internal                   | Internal  |
| Power Supply                         | Home Automation 230V       | Charger Input 100 - 240~, 50-60Hz, 2.0A<br>Charger Output 16,8Vdc 1000mA<br>Removeable Battery Pack |
| Max. power                           | 40W                        | 30W   |
| Torque:                              | 1.0 Nm                     | 1.0 Nm  |
| Speed:                               | 14-17cm/s                  | 14-17cm/s   |
| Noise Level:                         | < 41 dB(A)                 | <40 dB(A)   |
| Max. curtain weight (without curves) | 40 kg                      | 25 kg   |
| Dimensions Motor:                    | 7 x 5 x 28 cm              | 7 x 5 x 32 cm   |
| Net. Weight Motor                    | 980 gr.                    | 1160 gr.  |
| Dimensions Power Supply              | -                          | -   |
| Protection degree                    | IP20                       | IP20  |
| Max. running time                    | 240 sec (in one direction) | 150 sec (in one direction)  |
| Colour options                       | White                      | White / Black   |
| Certification & Marking:             | CE                         | CE  |

### FEATURES

|                               |          |  |
|-------------------------------|----------|--|
| Touch Control technology      | -        | √  |
| Integrated Emergency control  | √        | √  |
| RF Communication Standard     | √        | √  |
| Z-Wave communication          | -        | -  |
| Automation System compatible  | √        | √  |
| Wi-Fi compatible              | -        | -  |
| Works with DS-XL LED Dimmer   | -        | √ (additional adaptor needed)              |
| Works with Wireless Connector | -        | √  |
| Can be used with curved track | √        | √  |
| Plug & Play                   | -        | √  |
| Warranty                      | 10 Years | 10 Years on motor, 2 years on battery pack |



# FOREST MOTORISED TRACK SYSTEM - FMS®



The Forest Shuttle® and the Forest motorised curtain track system (FMS®) make an unbeatable combination when it comes to noiseless operated curtains.

The FMS® System is an elegant system for all types of medium and heavyweight draperies. Available length up to 14 meter in 3 colours: timeless white and in a stylish black or blizzerring silver finish, making it suitable to fit in every design.

## FMS® PLUS AND RECESS FIXATION

Instead of a regular ceiling fix or wall fix installation of the FMS® track system, Forest Group also offers a solution for recess fixed motorised curtain track. The FMS® Plus system is ideal for a clean, concealed curtain track installation. The recess profile can be fitted during the construction of the ceiling, the FMS® Plus motorised track can then be fitted once all the finishing works have been completed. The motor can be placed in a regular position, or upside down into the ceiling. The system can be fitted with the regular FMS® carriers, rotating carriers or the Forest Wave System for wave pleat.

## FOR USE IN

Hotels, offices, residences, boats and yachts, showrooms, business meeting rooms, conference centers or anywhere a silent motorised track system is required for curtains and drapes.

## PRODUCT INFORMATION

- Compact and noiseless operated motorised track system
- All Shuttle® motors can be used on the FMS® System;
- Available in white, silver and black;
- Components in matching colours;
- Clickable off-set carriers for a straight heading of the curtain; rolling carriers and Easyflex carriers also available;
- Especially designed for use in combination with Forest Wave System;
- Motor can be mounted on the left or the right of the track.
- One-way draw or center (split) draw curtains possible;
- All KS® bracket compatible;
- Ceiling brackets and wall brackets available;
- FMS® track can be made in lengths of up to 14 meter;
- FMS® track can be curved/bended;
- Recess fixation possible by recess profile in combination with FMS® Plus track.
- Warranty: 10 years

## FOREST WAVE SYSTEM

Opt for a regular pleated heading or choose for a more atmospheric effect for the Forest Wave System. The FMS® system has been designed for use with the Forest Wave-system. Our wave system is designed so that the curtains maintain their folding effect from the moment they are dressed.

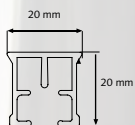
For more information about Forest Wave System and basic components please refer to our Wave Series brochure.



## PROFILE

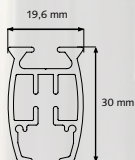
### FMS® Track

- Weight 303 gr/mtr.
- Size 20 x 20 mm
- Aluminium extrusion
- Colours available: white, silver & black



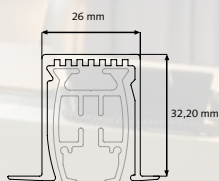
### FMS® Plus Track

- Weight 500 gr/mtr.
- Size 19,6 x 30 mm
- Aluminium extrusion
- Colours available: white & black



### FMS® Plus Recess Profile

- Weight 555 gr/mtr.
- Size 26 x 32,20 mm
- Aluminium extrusion
- Colours available: white & black



## FOREST FMS® TRACKS

The FMS® track system is in three versions available:

### FMS® TRACK

### FMS® PLUS

### RECESS PROFILE WITH FMS® PLUS TRACK

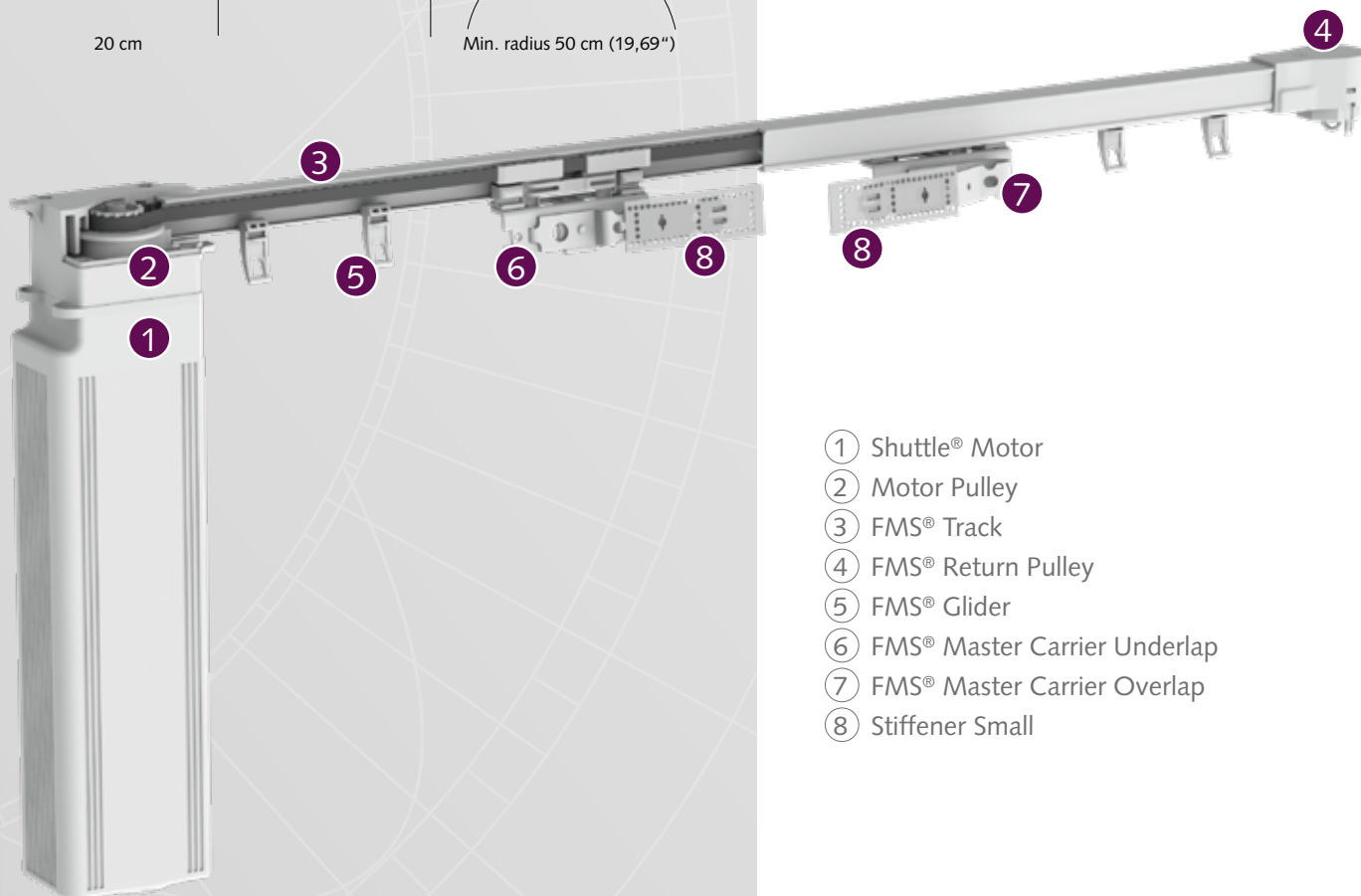
## BENDING / CURVING

The FMS® track and FMS® Plus track (except recess profile) can be bended and reversed bended with a radius of 20 cm (8"). Continuous curving can be done with the Electric Powered Bender.


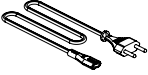

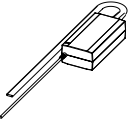

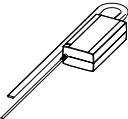


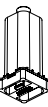
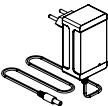

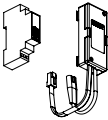
20 cm


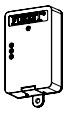



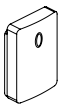


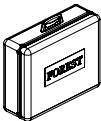
Min. 60 cm (23,63")

Min. radius 50 cm (19,69")


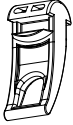
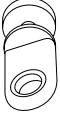
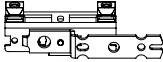
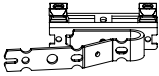
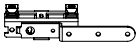
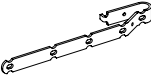
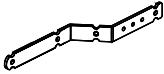

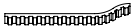
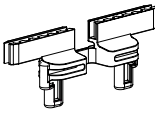
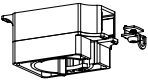

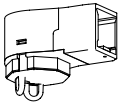
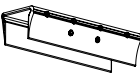


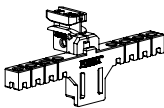
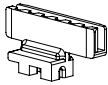
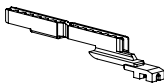
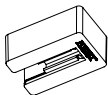
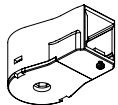
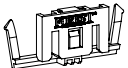
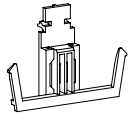
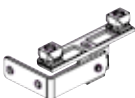





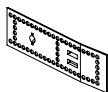
- ① Shuttle® Motor
- ② Motor Pulley
- ③ FMS® Track
- ④ FMS® Return Pulley
- ⑤ FMS® Glider
- ⑥ FMS® Master Carrier Underlap
- ⑦ FMS® Master Carrier Overlap
- ⑧ Stiffener Small


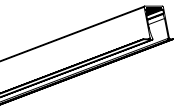
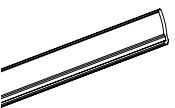
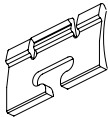


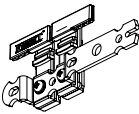
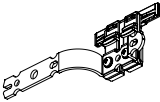
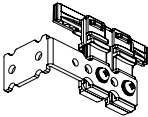
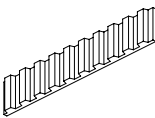
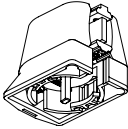
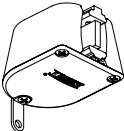
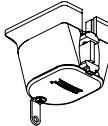
| FMS | FMS PLUS | MOTOR & CONTROL OPTIONS   | ARTICLE  | PACKING UNIT |  |  | ART.NR   |
|-----|----------|---|--|--------------|--|--|--|
| ●   | ●        |    | SHUTTLE L<br>Motor with internal RF Receiver, Touch Control and Emergency Control.<br>100 - 240V 50 - 60Hz 0.8A Power supply<br>Dimensions 7 x 5 x 23 cm<br>Up to 45 kg curtain weight   | 1/box        | 100-240V<br>100-240V<br>100-240V<br>100-240V<br>100-240V<br>100-240V                     | white int. multi receiver<br>white int. Z-Wave receiver<br>white int. Z-Wave rec. ANZ<br>white int. Z-Wave rec. India<br>silver int. multi receiver<br>black int. multi receiver | 5232000001<br>5232000002<br>5232000007<br>5232000069<br>5232003001<br>5232006001 |
| ●   | ●        |    | POWER CABLE FOR SHUTTLE L & S  | 1/box        | EU 1.00 mtr<br>EU 4.00 mtr<br>UK 4.00 mtr<br>USA 2.00 mtr<br>AUS 1.80 mtr<br>EU 4.00 mtr | white<br>white<br>white<br>white<br>white<br>black   | 5201001101<br>5201001104<br>5201001134<br>5201001121<br>5201001141<br>5201006104 |
| ●   | ●        |    | SHUTTLE M<br>Strongest motor with internal RF Receiver, Touch Control System and Emergency Control.<br>24 V Power supply 100-240 V adaptor set to be ordered separately.<br>Dimensions 7 x 5 x 20 cm<br>Up to 75 kg curtain weight | 1/box        | 24 Volt DC<br>24 Volt DC<br>24 Volt DC<br>24 Volt DC                                     | white int. multi receiver<br>white int. Z-Wave receiver EU<br>white int. Z-Wave US/908Mhz<br>black int. multi receiver   | 5232000003<br>5232000004<br>5232000006<br>5232006003                             |
|     |          |   | SHUTTLE M FOR SKYLIGHT SYSTEM (FSS)<br>Motor with fixed drive  | 1/box        | 24 Volt DC   | white int. multi receiver  | 7131000000   |
| ●   | ●        |    | ADAPTOR SET SHUTTLE M<br>Incl. cable and holder  | 1/box        | EU 0.50 mtr<br>EU 3.00 mtr<br>UK 0.50 mtr<br>USA 0.50 mtr<br>EU 0.50 mtr                 | white<br>white<br>white<br>white<br>black  | 5201002002<br>5201002003<br>5201002004<br>5201002007<br>5201006002               |
| ●   | ●        |   | SHUTTLE S<br>Motor with internal RF Receiver, Touch Control and Emergency Control.<br>24 V Power supply 100-240 V adaptor set to be ordered separately.<br>Dimensions 7 x 5 x 20 cm<br>Up to 40 kg curtain weight                  | 1/box        | 24 Volt DC   | white int. multi receiver<br>black   | 5232000000<br>5232006000   |
| ●   | ●        |  | ADAPTOR SET SHUTTLE S<br>Incl. holder / excl. cable  | 1/box        | 24 Volt  | white  | 5232003002   |
| ●   | ●        |  | SHUTTLE AC<br>Motor with internal RF Receiver and Emergency Control. Only for Building Management System.<br>100 - 240V 50 - 60Hz 0.8A Power supply<br>Up to 40 kg curtain weight  | 1/box        | 100-240V   | white  | 5233000000   |
| ●   | ●        |  | SHUTTLE ION<br>Incl. Battery Pack (14.4 V DC)<br>Dimensions 7 x 5 x 32 cm<br>Up to 25 kg curtain weight  | 1/box        | Accu Pack  | white<br>black   | 5234000000<br>5234006000   |
| ●   | ●        |  | SHUTTLE ION BATTERY PACK<br>4-Cell Lithium iOn<br>Capacity 3400mAh   | 1/box        |  | white<br>black   | 5234000001<br>5234006001   |
| ●   | ●        |  | SHUTTLE ION CHARGER CABLE<br>1.20 mtr cable  | 1/box        | EU<br>UK<br>USA<br>AUS   | black<br>black<br>black<br>black   | 5234000002<br>5234000003<br>5234000004<br>5234000005                             |
| ●   | ●        |  | DC EXTENSION CABLE FOR 24V ADAPTOR<br>For use with Shuttle S/M adaptor and dimmer DS-XL LED  | 1/box        | 2 mtr  | white  | 5209002200   |
| ●   | ●        |  | AC CONTROL SET<br>Use the AC Control in combination with the Shuttle Motor for Live AC<br>AC Control set complete<br>Secondary unit-potential free relay<br>Secondary unit-potential free relay                                    | 1/box        | 220 Volt<br>200V-240V<br>100V-120V   | white<br>white<br>white US   | 5201002202<br>5201002200<br>5201002203   |

| FMS | FMS PLUS | MOTOR & CONTROL OPTIONS   | ARTICLE   | PACKING UNIT  |   |                      | ART.NR   |
|-----|----------|---|---|---|---|----------------------|--|
| ●   | ●        |    | FOREST DIAMOND SENSE REMOTE CONTROL   | 1/box   | Works with all Shuttle motors                       | white<br>black       | 5201091470<br>5201096470   |
| ●   | ●        |    | FOREST WIRELESS CONNECTOR<br>Incl. 15 cm USB cable / excl USB charger<br><br>One way transmitter to control curtains by third party Apps* (i.e. Google / Apple / Amazon) or by Domotics.<br><br>*always in combination with smart plug  | 1/box   | Works with all Shuttle motors                       | white                | 5201002270   |
| ●   | ●        |    | FOREST WIRELESS CONNECTOR USB CHARGER   | 1/box   |   | EU<br>UK<br>AU<br>US | 5201002271-EU<br>5201002271-UK<br>5201002272-AU<br>5201002274-US |
| ●   | ●        |    | FOREST WIFI DONGLE<br>Incl. cable<br>WiFi 2.4GHz<br>Power supply 12V DC 300mA max<br>USB power 5V DC 1000mA max<br>Control the curtains by Forest Connect App<br>Easy integration third party apps by Google / Amazon<br>Bi-directional |  1/box | Works with all Shuttle motors except AC and iOn     | white<br>black       | 5201002280<br>5201006280   |
| ●   | ●        |   | FOREST SHUTTLE TWILIGHT SENSOR (KAKU)   | 1/box   | Works with all Shuttle motors (besides Shuttle iOn) | white                | 5201001951   |
| ●   | ●        |  | FOREST WIRELESS WALL SWITCH<br>2-channel wall switch<br>Dimensions: 8.5 x 8.5 x 1 cm  | 1/box   | Works with all Shuttle motors                       | white<br>black       | 5201001480<br>5201006480   |
| ●   | ●        |  | FOREST PULSE WALL SWITCH<br>Can operate one motor only<br>Dimensions: 6.5 x 5.5 x 2.7cm (2.56 x 2.17 x 1.06")   | 1/box   |   | white                | 5201001900   |
| ●   | ●        |  | FOREST SHUTTLE DEMO SUITCASE METAL  | Piece   |   |                      | 9903000000   |

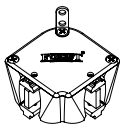
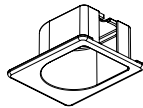
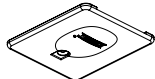
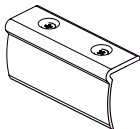
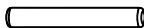


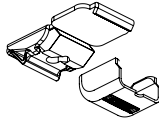
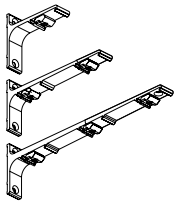

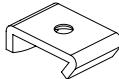
| FMS | FMS PLUS | FMS TRACK + COMPONENTS  | ARTICLE  | PACKING UNIT |                                      | ART.NR   |
|-----|----------|---|--|--------------|--------------------------------------|--|
| ●   |          |    | FMS TRACK<br>5.80 mtr (19')<br>7.00 mtr (23')<br>7.00 mtr (23')<br>7.00 mtr (23')  | 10/bundle    | white<br>white<br>silver<br>black    | 5101001580<br>5101001700<br>5101003700<br>5101006700 |
| ●   |          |    | FMS CARRIER<br>Klickable, offset, made of UV-resistant plastic.<br>10 Carriers on a breakaway strip, can be clicked into the track after installation. | 250/box      | white<br>silver<br>black             | 2510101000<br>2510103000<br>2510106000               |
| ●   |          |    | ECONOMY SLIDE<br>Can turn in the track   | 500/box      | white<br>black                       | 2510610000<br>2510606000                             |
| ●   |          |    | FMS MASTER CARRIER UNDERLAP CLICK ON<br>Reversible for Click on stiffner   | 15/box       | white<br>silver<br>black             | 5215801010<br>5215803010<br>5215806010               |
| ●   |          |    | FMS MASTER CARRIER OVERLAP CLICK ON  | 15/box       | white<br>silver<br>black             | 5215901010<br>5215903010<br>5215906010               |
| ●   |          |   | UNDERLAP SINGLE R/L  | 15/box       | white<br>black                       | 3016001000<br>3016006000                             |
| ●   |          |  | PROLONGED OVERLAP CLICK ON<br>150 mm long<br><br>200 mm long   | 15/box       | white<br>black<br><br>white<br>black | 9500001010<br>9500006010<br><br>9500001020           |
| ●   |          |  | Z-SHAPED OVERLAP ARM<br>Reversible Z-shaped overlap arm. Fits FMS master carriers. For further reducing of light leakage for center closing.           | 15/box       | white                                | 9500001030   |
| ●   |          |  | STIFFENER CLICK-ON<br>Recommended to attach to the FMS master carriers, stiffner to be stitched into the curtain                                       | 15/box       |                                      | 5116001001   |
| ●   |          |  | FMS TRANSPORT BELT<br>Toothed belt, to be installed inside the FMS Track   | 100mtr/roll  |                                      | 5105501000   |
| ●   |          |  | FMS CONNECTOR<br>To fix the FMS Master Carrier onto the FMS transport belt   | 50/box       | white<br>silver<br>black             | 5103011500<br>5103013500<br>5103016500               |
| ●   |          |  | FMS MOTOR PULLEY<br>Connects motor with FMS Track  | 1/box        | white<br>silver<br>black             | 5103011000<br>5103013000<br>5103016000               |
| ●   |          |   | FMS MOTOR PULLEY UPSIDE DOWN   | 1/box        | white                                | 5103011003   |
| ●   |          |  | FMS ANGLE PULLEY<br>45 degrees adjustable<br>Only for up to 7kg curtain weight (Shuttle M)   | 1/box        | white                                | 5103011010   |
| ●   |          |  | FMS RETURN PULLEY WITH SNAP<br>Reverses the FMS transport belt in the FMS track  | 1/box        | white<br>silver<br>black             | 5103011100<br>5103013100<br>5103016100               |
| ●   |          |  | FMS TRACK JOINER<br>Used to make a solid connection between two pieces of track  | 10/box       | white<br>silver<br>black             | 2518401000<br>2518403000<br>2518406000               |

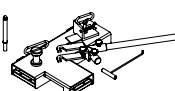


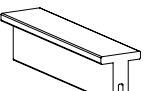
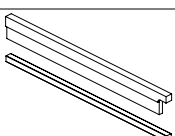
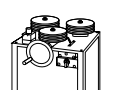

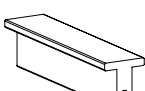

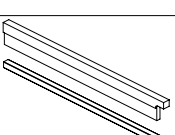

| WAVE<br>EASYFLEX | WAVE<br>EASYSNAP | WAVE<br>COMPONENTS<br>(FES)   | ARTICLE  | PACKING UNIT |                          | ART.NR                                 |
|------------------|------------------|---|--|--------------|--------------------------|--|
| ●                |                  |    | WAVE ADJUSTABLE MASTER CARRIER UNDERLAP  | 25/box       | white<br>black           | 4813001050<br>4813006050               |
| ●                |                  |    | WAVE BELT CONNECTOR CENTER DRAW<br>To use in combination with adjustable wave carrier  | 50/box       | white<br>black           | 4813001040<br>4813006040               |
| ●                |                  |    | WAVE BELT CONNECTOR ONE-WAY DRAW<br>To use in combination with adjustable wave carrier   | 50/box       | white<br>black           | 4813001030<br>4813006030               |
| ●                |                  |    | WAVE RETURN PULLEY MOTORISED<br>To use in combination with adjustable wave carrier   | 25/box       | white<br>black           | 4813001060<br>4813006060               |
| ●                |                  |    | FMS RETURN PULLEY EASYFLEX<br>Single   | 1/box        | white<br>silver<br>black | 5103011102<br>5103013102<br>5103016102 |
| ●                |                  |    | WAVE ADJUSTABLE HOOK MOTOR   | 25/box       | white<br>black           | 4813001010<br>4813006010               |
| ●                |                  |   | WAVE ADJUSTABLE HOOK RETURN PULLEY   | 25/box       | white<br>black           | 4813001020<br>4813006020               |
| ●                |                  |  | EASYFLEX MASTER CARRIER LEFT<br>90 degrees   | 15/box       | white                    | 4815351090                             |
| ●                |                  |  | EASYFLEX MASTER CARRIER RIGHT<br>90 degrees  | 15/box       | white                    | 4815451090                             |
|                  | ●                |  | EASYSNAP MASTER CARRIER LEFT<br>90 degrees   | 15/box       | white                    | 4815301090                             |
|                  | ●                |  | EASYSNAP MASTER CARRIER RIGHT<br>90 degrees  | 15/box       | white                    | 4815401090                             |
|                  | ●                |  | EASYSNAP FMS MASTER CARRIER  | 15/box       | white                    | 4815401000                             |
|                  | ●                |  | EASYSNAP FMS UNDERLAP L/R  | 15/box       | white                    | 4815401000                             |
| ●                | ●                |  | WAVE STIFFENER CLICK ON 'SMALL'<br>Recommended to attach to the FMS master carriers,<br>stiffner to be stitched into the curtain | 15/box       | white                    | 4815001001                             |

| FMS | FMS PLUS | FMS PLUS TRACK + COMPONENTS   | ARTICLE  | PACKING UNIT |                | ART.NR                   |
|-----|----------|---|--|--------------|----------------|--------------------------|
|     | ●        |    | FMS PLUS TRACK<br>7.00 mtr (23')   | 10/bundle    | white<br>black | 5131001700<br>5131006700 |
|     | ●        |    | FMS PLUS RECESS PROFILE<br>7.00 mtr (23')  | 1/piece      | white<br>black | 5131011100<br>5131016700 |
|     | ●        |    | FMS PLUS RECESS PROFILE FIXING STRIP<br>7.00 mtr (23') length  | 1 piece      | white<br>black | 5131001600<br>5131006600 |
|     | ●        |    | FMS PLUS RECESS FIXING WEDGE<br>To fix the track into the recess profile   | 10/box       | white<br>black | 5131001100<br>5131006100 |
|     | ●        |    | FMS PLUS RECESS CORNER TRACK<br>Preshaped 90 degrees curve for FMS PLUS track  | 1/piece      | white          | 5131011790               |
|     | ●        |   | ECONOMY CARRIER<br>Can turn in the track   | 100/box      | white<br>black | 2510601000<br>2510606000 |
|     | ●        |  | FMS PLUS MASTER CARRIER UNDERLAP<br>Arm is reversible, incl. belt connector<br>For use in combination with FES-system (Easyflex) | 10/box       | white<br>black | 5135801000<br>5135806000 |
|     | ●        |  | FMS PLUS MASTER CARRIER OVERLAP<br>Arm is reversible, incl. belt connector<br>For use in combination with FES-system (Easyflex)  | 10/box       | white<br>black | 5135901000<br>5135906000 |
|     | ●        |  | FMS PLUS MASTER CARRIER EASYFLEX L&R<br>90 degrees<br>For use in combination with FES-system (Easyflex)                          | 10/box       | white          | 5135901010               |
|     | ●        |  | FMS PLUS TRANSPORT BELT<br>Toothed belt to be installed inside FMS Plus track<br>9.3 x 2.2mm KEVLAR                              | 100mtr/roll  |                | 5135501001               |
|     | ●        |  | FMS PLUS MOTOR PULLEY<br>Reverse the FMS PLUS belt in the FMS PLUS track   | 1/box        | white<br>black | 5133011000<br>5133016000 |
|     | ●        |  | FMS PLUS RETURN PULLEY<br>Reverse the FMS PLUS belt in the FMS PLUS track  | 100mtr/roll  | white<br>black | 5133011100<br>5133016100 |
|     | ●        |  | FMS PLUS MOTOR PULLEY UPSIDE DOWN<br>Can be used to place the motor upside down (recess)   | 1/box        | white          | 5133011003               |



| FMS | FMS PLUS | FMS PLUS TRACK + COMPONENTS   | ARTICLE   | PACKING UNIT |                                  | ART.NR   |
|-----|----------|---|---|--------------|----------------------------------|--|
|     | ●        |  | FMS PLUS L-PULLEY<br>To create a double overlapping track system in combination with only one motor | 1/box        | white                            | 5133011101   |
|     | ●        |  | FMS PLUS RECESS COVER PLATE   | 1/box        | white<br>black                   | 5133011104<br>5133016104                             |
|     | ●        |  | FMS PLUS RECESS COVER PLATE UPSIDE DOWN<br>Cover plate for recess; motor pulley                     | 1/box        | white<br>black                   | 5133011004<br>5133016004                             |
|     | ●        |  | FMS PLUS BRIDGE<br>6,5 cm<br>28 cm  | 10/box       | white<br>black<br>white<br>black | 4518701000<br>4518706000<br>4518601000<br>4518606000 |
|     | ●        |  | FMS PLUS TRACK CONNECTOR PIN<br>Stainless steel, 2 x 20mm<br>For a firm seamless connection         | 50/box       |                                  | 9900000012   |

| FMS | FMS PLUS | MOUNTING OPTIONS + OTHER ITEMS  | ARTICLE   | PACKING UNIT |                          | ART. NR                                |
|-----|----------|---|---|--------------|--------------------------|--|
| ●   | ●        |  | SMART KLICK CEILING BRACKET<br>Incl. cover cap<br>'Klicks' onto track, powder coated                        | 100/box      | white<br>silver<br>black | 1018201001<br>1018203001<br>1018206001 |
| ●   | ●        |  | ALUMINIUM WALL BRACKET<br>7.5 cm single (3')  | 20/box       | white<br>silver<br>black | 1020301075<br>1020303075<br>1020306075 |
|     |          |   | ALUMINIUM WALL BRACKET<br>10 cm single (4')   | 20/box       | white<br>silver<br>black | 1020301100<br>1020303100<br>1020306100 |
|     |          |   | ALUMINIUM WALL BRACKET<br>15 cm double (6')   | 15/box       | white<br>silver<br>black | 1020301150<br>1020303150<br>1020306150 |
|     |          |   | ALUMINIUM WALL BRACKET<br>20 cm double (8')   | 15/box       | white<br>silver<br>black | 1020301200<br>1020303300<br>1020306300 |
|     |          |   | ALUMINIUM WALL BRACKET<br>25 cm triple (10')  | 15/box       | white<br>silver<br>black | 1020301250<br>1020303250<br>1020306250 |
| ●   | ●        |  | SMART KLICK COVER CAP ALU WALL BRACKET<br>UNIVERSAL   | 50/box       | white<br>silver<br>black | 1021301000<br>1021303000<br>1021306000 |
| ●   | ●        |  | FSS MOUNTING BRACKET<br>For concealed installation or ceiling installation in narrow spaces.<br>Heavy Duty. | 100/box      |                          | 7160001000                             |

| FMS | FMS PLUS | BENDING COMPONENTS + OTHER ITEMS  | ARTICLE  | PACKING UNIT | ART. NR                                      |
|-----|----------|---|--|--------------|--|
| ●   | ●        |    | CONTRACT BENDING TOOL BASIC<br>for FMS and FMS Plus                                    | 1/each       | 2560000000                                   |
| ●   |          |    | FMS CONTRACT BENDING WHEEL<br>radius 20 cm incl. wedges                                | 1/each       | 2561000000                                   |
|     | ●        |    | FMS PLUS CONTRACT BENDING WHEEL ALL-IN<br>radius 20 cm incl. wedges and bending strips | 1/each       | 4560000000                                   |
| ●   |          |    | FMS BENDING STRIPS<br>90 cm<br>T-bending strip   | 1/each       | 5160100000                                   |
|     | ●        |    | FMS PLUS SET BENDING STRIPS<br>90 cm   | 1/each       | 4560100000                                   |
| ●   | ●        |    | ELECTRIC POWERED BENDER  | 1/each       | 230V<br>110/115V<br>1060500000<br>1060500001 |
| ●   |          |  | FMS BENDING WHEEL<br>for electric bender<br>set of 3                                   | 1/set        | 2560700000                                   |
| ●   |          |  | FMS BENDING STRIPS<br>for electric bender<br>7 mtr                                     | 1/each       | 5160600000                                   |
|     | ●        |  | FMS PLUS BENDING WHEEL SET ALL-IN<br>for electric bender<br>Incl. bending strips       | 1/set        | 5131000000                                   |
|     | ●        |  | FMS PLUS BENDING STRIPS<br>for electric bender   | 1/piece      | 5131000001                                   |
| ●   | ●        |  | FOREST LUBRICANT<br>To lubricate components during assembly                            | 1/box        | 5109010000                                   |

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