Forest® Shuttle

10 year WARRANTY

JUST A GENTLE TOUCH...

REMOTE CONTROL

**SILENT** TOUCH

FOREST
DRAPERY HARDWARE

FORESTGROUP.COM

PRODUCT INFORMATION

The Forest Shuttle motorized system is available in three types, Shuttle M, Shuttle L and Shuttle S. All three motors offer these functions:

• Touch Impulse Technology, gently pulling the curtain by hand will activate the motor (standard feature);

• Integrated Emergency Control with automatic de-clutch in case of power failure, to ensure a manual operation of the curtains (standard feature);

• Modular motor, different modules can be attached for various control options: Radio Frequency, Wall Switch, Infrared, Domotics, Building/Hotel Automation, Serial Communication, Z-wave, etc.;

• Ultra Silent motor;

• Slow start and slow stop;

• Full automatic setting of the limits;

• Programming of intermediate positions possible;

• Touch Impulse Sensitivity adjustable; high sensitivity, low sensitivity, and off;

• Stack-back position programmable to every desired setting;

• FMS track and components available in white, silver and black;

• Clickable off-set carriers for a straight heading of the curtain; rolling carriers and FES Easyfold carriers also available;

• Kevlar based drive belt;

• All KS brackets applicable;

• Motors can also be used on MRS Motorized Rod System;

• Tandem motor application possible as well.

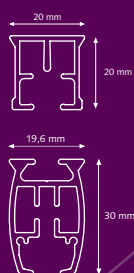**BOTTOM VIEW**
FOREST SHUTTLE
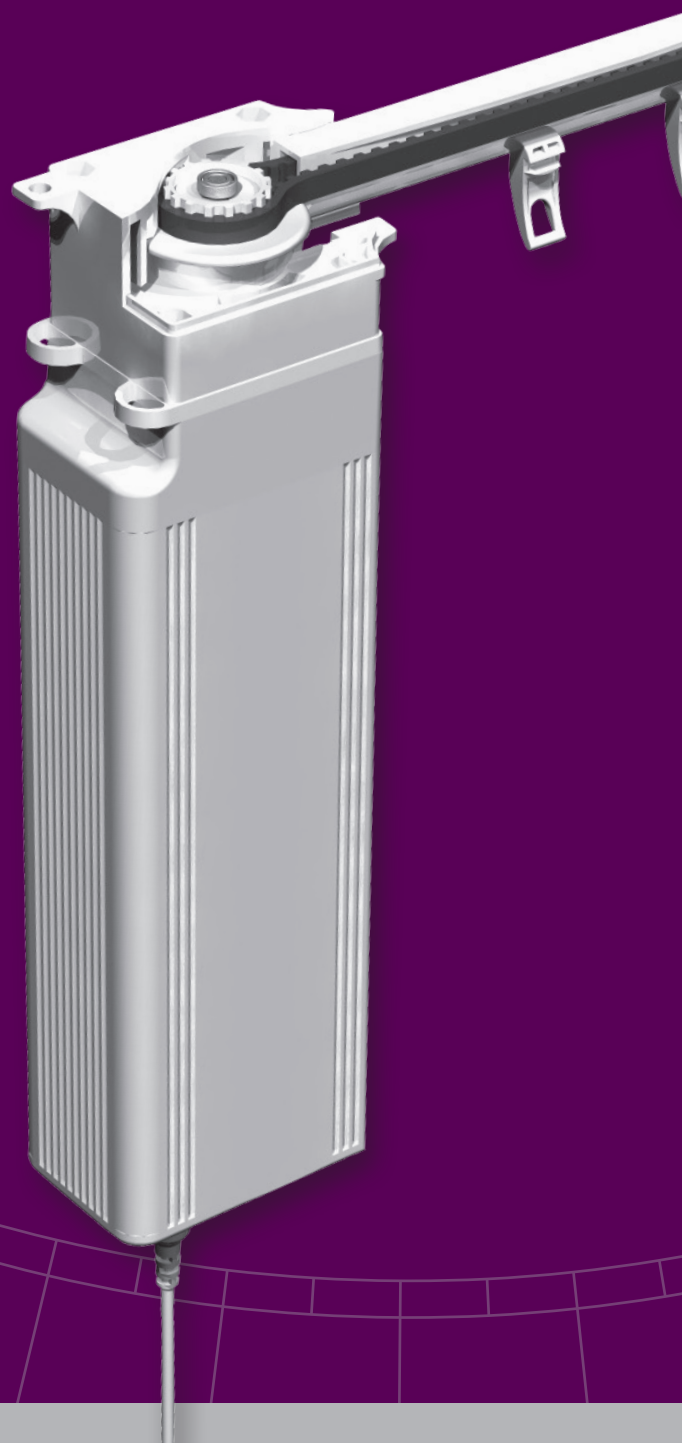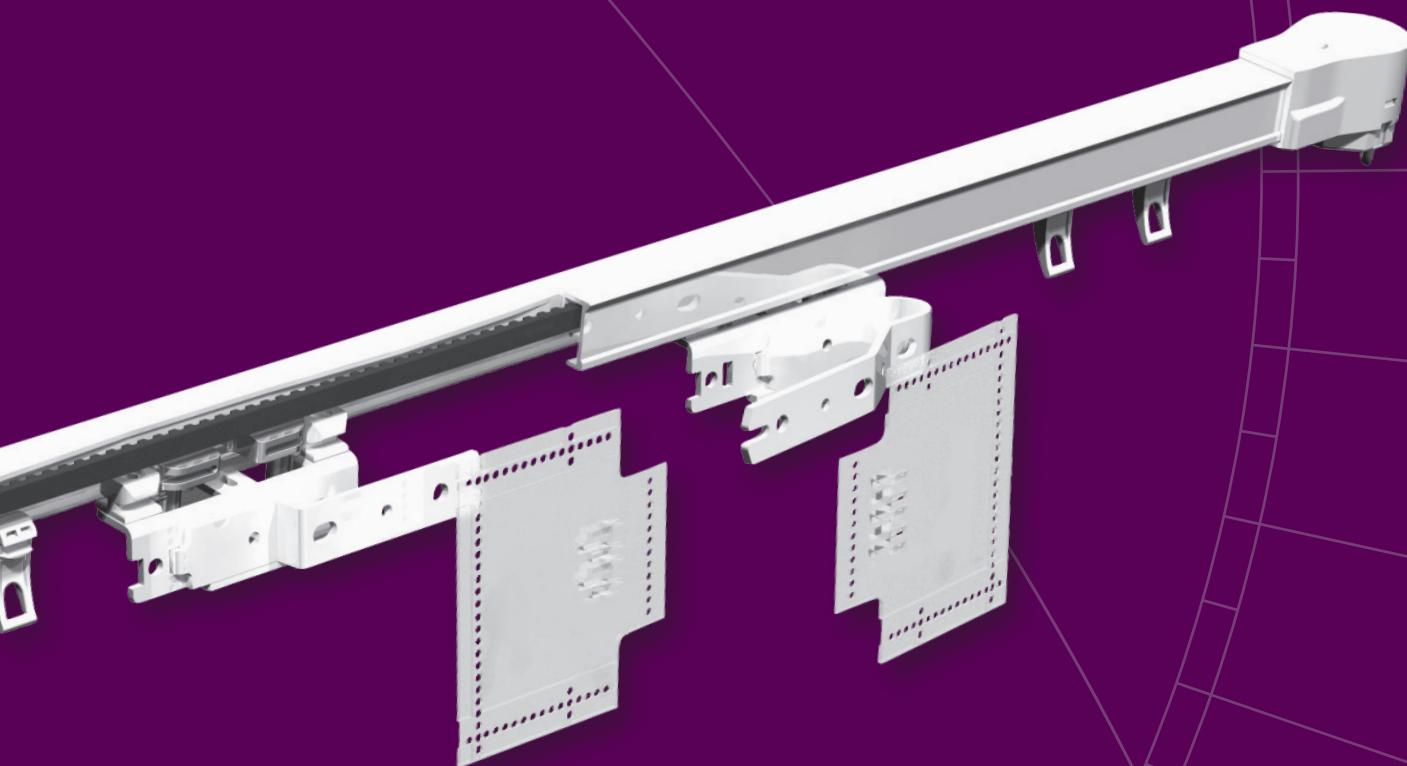
SPECIFICATIONS TRACK

FMS Track: • Weight 303 gr /mtr
(3,25 ounce/ft.)
• Aluminium Extrusion
• Size 20 x 20 mm
(0.8 x 0.8 inch)

FMS Plus: • Weight 500 gr/mtr.
(5,36 ounce/ft.)
• Aluminium Extrusion
• Size 19,6x30 mm
(0.8x1.2 Inch)

20 mm

20 mm

19,6 mm

30 mm

BENDING / CURVING

The motor can be used in a track with one or two
bends of 90 degrees. The track can be bended
and reversed bended with a radius of 20 cm (8″).
Continuous curving can be done with the Electric
Powered Bender.

Min. 60 cm (23,63")

20 cm

Min. radius 50 cm (19,69")

Forest Shuttle
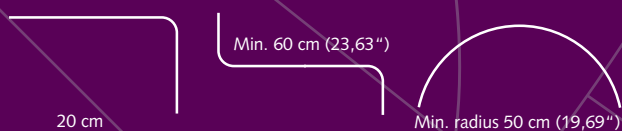
CONTROL OPTIONS

BUILDING AUTOMATION

Designed for use in any building automation system through the integrated dry contact port in the motor. 230V direct control is possible with the optional Dry Contact Relay. The BUS ports allow for individual and group controls of the motors.

TOUCH IMPULSE TECHNOLOGY
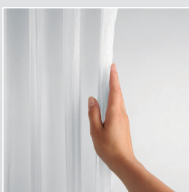
A gentle pull will activate the curtain thanks to the smart Touch Impulse Technology of the motor. Standard feature.

INTEGRATED EMERGENCY CONTROL

In case of power failure, the curtain can still be moved manually. Standard feature.

DIAMOND SENSE REMOTE CONTROL

Available in white and black, can be used to control all forest motorized window decoration systems. With 15 individually channels or in 2 group.

Z-WAVE DOMOTICA CONTROL

Wireless Domotics communication with data feedback and automatic routing in a mesh-network environment. Open protocol with "Scene Control". Works with the Forest Touch App for IOS and Android devices.

Detailed schedules on how to program the Forest Shuttle are included with the motor and can be found on our website www.forestgroup.com

COMPATIBLE WITH

AMX
www.amx.com

KNX
www.knx.nl

Z·WAVE
www.z-wave.com

CRESTRON
www.crestron.com

Smart Homes
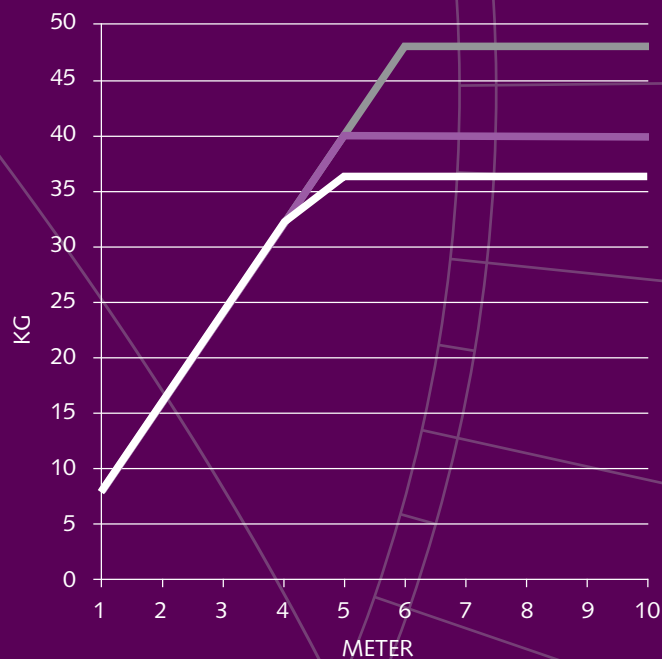Nationaal Kenniscentrum Domotica & Slim Wonen
www.smart-homes.nl

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

SHUTTLE M LOAD TABLE:

SHUTTLE S/L LOAD TABLE:
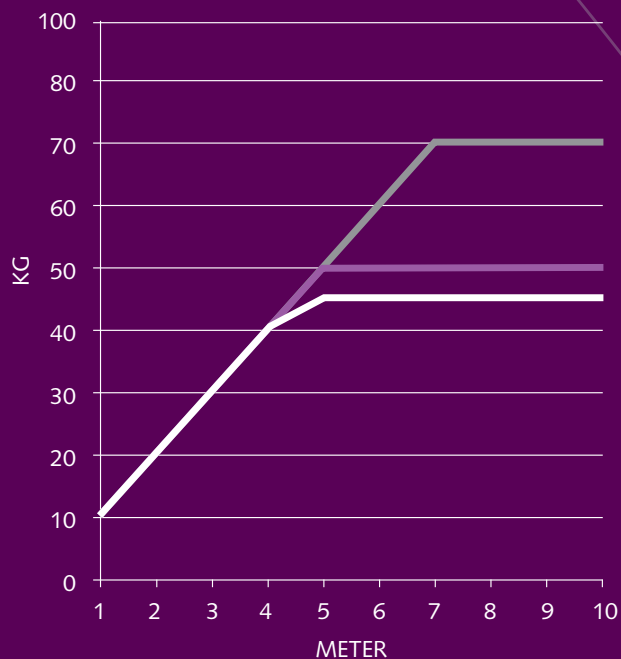
— Straight

— One Bend/Curve

— Two Bends

	Shuttle M	Shuttle S	Shuttle L
Voltage Shuttle	24Vdc	24Vdc	100 - 240V~ 50 - 60Hz
RF Multi Receiver	Internal, optional	Internal	Internal
Power Supply	External, 100-240Vac – 1,5A - 50-60Hz; Output 24Vdc - 2,7A	External, 100 - 240Vac - 0,8A - 50 - 60Hz; Output 24Vdc - 2,5A	Internal
Max. power	65W	40W	40W
Torque:	1,5 Nm	1,0 Nm	1,0 Nm
Speed:	15 cm/s	14 – 17cm/s	14 – 17cm/s
Noise Level:	< 40 dB(A)	< 40 dB(A)	< 40 dB(A)
Max. curtain weight	70 kg	40 kg	40 kg
Dimensions Motor:	7 x 5 x 23 cm	7 x 5 x 20 cm	7 x 5 x 28 cm
Dimensions Power Supply	50 x 110 x 30 mm	50 x 80 x 30 mm	-
Protection degree	IP20	IP20	IP20
Max. running time	175 sec (in one direction)	240 sec (in one direction)	240 sec. (in one direction)
Certification & Marking:	CE/FCC	CE/FCC	CE/FCC

FOREST SHUTTLE

FOREST SHUTTLE 'L' 230 VOLT AC

Motor with internal RF Multi Receiver and integrated 24 V power Supply 110 – 240 V. Touch Impulse and Emergency Control as standard.
Dimensions 7 x 5 x 28 cm 1/box
White 5232000001
Silver 5232003001
Black 5232006001
With Z-wave receiver built-in 5232000002

FOREST SHUTTLE 'M' 24 VOLT DC

Strongest motor with standard Touch Impulse System and Emergency Control and with internal RF Multi Receiver.
Dimensions:
7x5x23 cm (2.76x1.97x9.25") 1/box
White 5232000003
Black 5232006003
With Z-wave receiver built-in

FOREST SHUTTLE 'S' 24 VOLT DC

Motor with internal RF Multi 5232000000
Receiver, Touch Impulse and 1/box
Emergency Control as standard. 24 V Power supply 110 – 240 V to be ordered separately.
Dimensions 7 x 5 x 20 cm

POWER CABLE 4M

EU White 5201001104
   Black 5201006104
UK White 5201001134
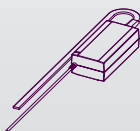   1/box

FOREST AC CONTROL
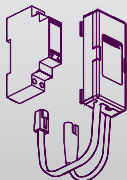
Use the AC controle in combination with the Shuttle motor for Live AC
(110 Vac or 230 Vac)

Forest Shuttle AC 55201002202
controle set 1/box
Secondairy unit - 5201002200
potential free relay 1/box

FOREST ADAPTOR

Forest adaptor set complete 1/box
for Shuttle 'M'
(EU) incl. wall bracket 5201002002
(UK) incl. wall bracket 5201002004
(EU) incl. wall bracket black 5201006002
(USA) incl. wall bracket 5201002005

Forest adaptor for Shuttle 'S' ex. plug
Plugs available in versions: EU 5201001101
   UK 5201001131
   AUS 5201001141
   USA 5201001121

SHUTTLE MULTI RECEIVER KLICK ON

To be used in case of 5201001362
Z-wave motor that also has 1/each
to be controlled with Diamond remote control.

FOREST PULSE WALL SWITCH

Dimensions: 5201001900
6,5 x 5,5 x 2,7 cm 1/box
(2.56 x 2.17 x 1.06")

DIAMOND SENSE REMOTE CONTROL

15 + 2 channel remote control. 1/each
White 5201091470
Black 5201096470

MULTI WIRELESS WALL SWITCH

2-channel wall switch.
Dimension: 8,5 x 8,5 x 1 cm. 1/each
White 5201001480
Black 5201006480

FOREST MULTI-REMOTE

15 channels incl. timer. 1/each
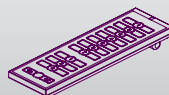White 5201001480
   5201006480

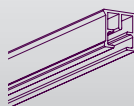## SHUTTLE INFRARED REMOTE CONTROL

6 channel infrared remote 5201001250
control. 1/box

reveiver cable 60cm. 5201001260
   1/box

FOREST Z-WAVE REMOTE CONTROL

7-channel remote control 5201001700
with scene setting options. 1/box

FMS TRACK

Aluminium extrusion, powder 10/bundle
coated black, lubricated. Available
lengths: 5,80 m (19') 5101001580
   7 m (23') 5101001700
   7 m (23'), Silver 5101003700
   7 m (23'), Black 5101006700

FMS CARRIER

"Klickable", offset, made of UV- 250/box
resistant plastic. 10 Carriers on a break-
away strip, can be clicked into the
track after installation. White 2510101000
   Silver 2510103000
   Black 2510106000

FMS/CCS/MRS WHEEL CARRIER

The wheel carrier goes 5210101002
smoothly over a splice. 100/box

FMS TRACK JOINER

Used to make a solid connection 10/box
between two pieces of track.
White 2518401000
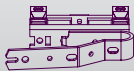Silver 2518403000
Black 2518406000

FMS TRANSPORT BELT

Toothed belt, to be installed 5105501000
inside the FMS Track. 100 mtr/roll

FMS MASTER CARRIER UNDERLAP

Multifunctional - arm is reversible for Click on stiffner	15/box
White	5215801010
Silver	5215803010
Black	5215806010

FMS MASTER CARRIER OVERLAP

Multifunctional – arm is reversible for Click on stiffner	15/box
White	5215901010
Silver	5215903010
Black	5215906010

UNDERLAP SINGLE R/L

Multifunctional - arm is reversible - will slide trough curves.	15/box
White	3016001000
Black	3016006000

PROLONGED OVERLAP CLICK ON

15 cm long.	15/box
White	95000001010
Black	95000006010

EASYFLEX CURVED ARM

	15/box
White	95000001010
Silver	95000003010
Black	95000006010

EASYFLEX MASTER CARRIER LEFT
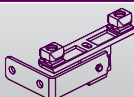
90 degrees left	15/box
	4815351090

EASYFLEX MASTER CARRIER RIGHT
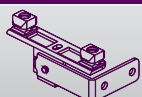
90 degrees right	15/box
	4815451090

Z-SHAPED OVERLAP ARM

Reversible Z-shaped overlap arm. Fits CS, CCS and FMS mastercarriesa. For futher reducing of light leakage for center closing.	15/box
	9500001030

CLICK ON STIFFNER

Recommended to attach to the FMS Master Carriers, stiffner to be stitched into the curtain.	5116001001
	15/box

FMS MOTOR PULLEY
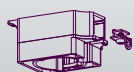
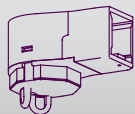|	
Connects motor with FMS Track.	1/box
White	5103011000
Silver	5103013000
Black	5103016000

FMS MOTOR PULLEY UPSIDE DOWN
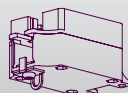
Can be used to place the motor upside down on the FMS track.	5103011003
	1/box

FMS RETURN PULLEY

Reverses the FMS transport belt in the FMS Track.	1/box
White	5103011100
Silver	5103013100
Black	5103016100

FMS RETURN PULLEY EASYFLEX
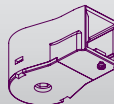
For single-closing curtains.	1/box
White	5103011102
Silver	5103013102
Black	5103016102

FMS CONNECTOR
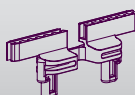
To fix the FMS Master Carrier onto the FMS transport belt.	50/box
White	5103011500
Silver	5103013500
Black	5103016500

SMART KLICK CEILING BRACKET
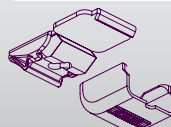
"Klicks" onto track, powder coated.	100/box
White included cover cap	1018201001
Silver included cover cap	1018203001
Black included cover cap	1018206001

ALUMINIUM WALL BRACKET
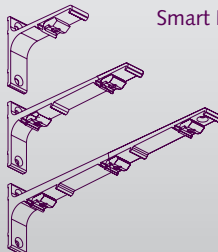
Smart Klick, powder coated.	1020301…
7,5 cm single (3")	20/box
10 cm single (4")	20/box
15 cm double (6")	15/box
20 cm double (8")	15/box
25 cm triple (10")	10/box
Colours: 01, 03, 06.	

SMART KLICK COVER CAP ALU WALL BRACKET UNIVERSAL

Colours: 01, 03, 06.	10213..000
	50/box

FSS METAL BRACKET

Strong bracket to fit the Forest Skylight System to the wall or ceiling.	7160001000
	100/box

SMART KLICK WALL BRACKET
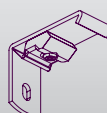
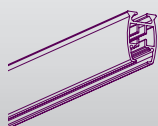|	
3,5 cm (1,4") and 6 cm (2,4"). "Klicks" onto track, powder coated. One screw attachment. For light weight use only. Colours: 01, 03, 06.	50/box
	10202..035
	10202..060

FOREST LUBRICANT

To lubricate components during assembly.	1/box
	5109010000

FMS PLUS

FMS PLUS TRACK

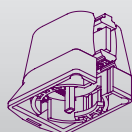|		
Aluminium extrusion	5/bundle	
Available length : 7 m (23')		
White	5131001700	
Black	5131006700	

FMS PLUS L-PULLEY
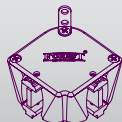
To create a double overlapping track system in combination with only one motor. 1/box
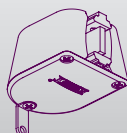White 5133011101

FMS PLUS MOTOR PULLEY

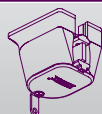Connects motor with FMS PLUS track 1/box
White 5133011000
Black 5133016000

FMS PLUS RETURN PULLEY

Reverses the FMS Plus belt in the FMS Plus track 1/box
White 5133011100
Black 5133016100

FMS PLUS MOTOR PULLEY UPSIDE DOWN

Can be used to place the motor upside down 1/box
White 5133011003

FMS PLUS TRANSPORT BELT
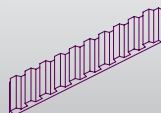
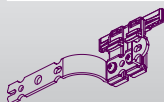Toothed belt to be installed inside FMS Plus track 100 mtr/roll

5135501000

FMS PLUS MASTER CARRIER UNDERLAP
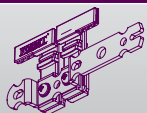
Arm is reversible 10/box
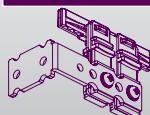White 5135801000
Black 5135806000

FMS PLUS MASTER CARRIER OVERLAP

Arm is reversible 10/box
White 5135901000
Black 5135906000

FMS PLUS MASTER CARRIER EASY FLEX L&R
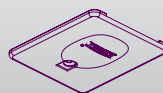
White 10/box
5135901010

ECONOMY CARRIER

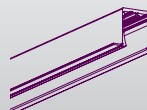Can turn in the track 100/box
White 2510601000
Black 2510606000

FMS PLUS RECESS COVERPLATE UPSIDE DOWN

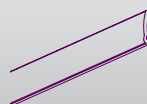Coverplate for recess; motor pulley 1/box
White 5133011004

FMS PLUS RECESS PROFILE

Pre-drilled 7 mtr (23')
Combinate with fixing strip
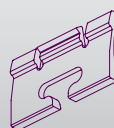White 5002001701

FMS PLUS RECESS PROFILE FIXING STRIP

Combinate with profile 6 mtr (20')
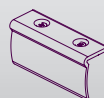White 5131001600

FMS PLUS PROFILE WEDGE

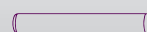To fix the track into the profile 10/box
5131001100

FMS PLUS / MTS TRACK BRIDGE

To join two pieces of track; 10/box
6,5 cm White 4518701000
28 cm White 4518601000

FMS PLUS / KS TRACK CONNECTORPIN

Stainless steel, 2 x 20 mm 50/box
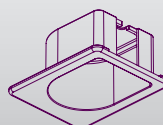For a firm seamless connection 9900000012

FMS PLUS RECESS TRACK

Preshaped 90 degrees curve for FMS plus track 1 piece
51311011790

FMS PLUS RECESS COVERPLATE

Coverplate for recess; motor and return pulley 1/box
White 5133011104

FOREST®
DRAPERY HARDWARE

SHUTTLE-GB-AUG-19