FOREST
DRAPERY HARDWARE

DEVENTER MRS® MOTORIZED COLLECTION

DEVENTER MRS 1 1/8" Motorized Sets
FOREST SHUTTLE Motors

THE WORLD
BEHIND
YOUR
DRAPERIES

FOREST DEVENTER MRS® SYSTEM

Scan for more information on
FOREST DEVENTER MRS MOTORIZED

AVAILABLE FINISHES XX = finish color

29
Satin
Nickel

81
Antique
Bronze

89
Graphite

DEVENTER MRS® MOTORIZED

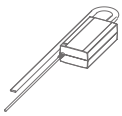
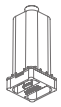
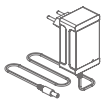
- 1 1/8" motorized system best suited for light to medium weight draperies.
- Wall or ceiling mount. See bracket count below.

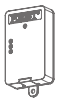
  0-5′ = 2 brackets 11-15′ = 4 brackets
  6-10′ = 3 brackets 16-20′ = 5 brackets
- Motorize with any Forest Shuttle. See all motor specifications on the following pages. All Forest Shuttle motors include a 10 year warranty.
- Control drapes with a gentle tug, wall switch, remote, any home automation system or by smart phone app. See control options on the following pages.

ASSEMBLED SYSTEM

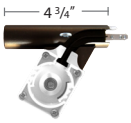
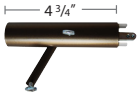
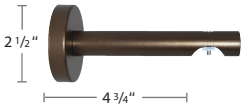
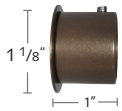
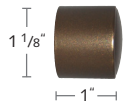
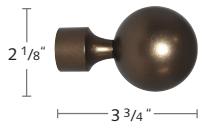
Includes rail, motor, power supply, motor pulley, return pulley, wall or ceiling brackets, carriers, masters, and Diamond remote or wall switch. Double sets are available.

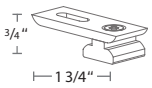
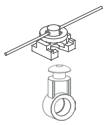
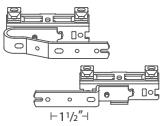
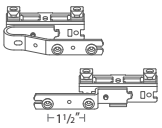
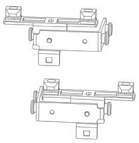
See all motor specifications on the following pages.

DEV	MOT	COMPONENT
	●	**52925-25** Shuttle HD (M) **52925-59** Shuttle HD (M) black **52939-25** Shuttle Eco (S) **52923-25** Shuttle L See motor specs on pages 91-92
	●	 **52928-25** Power Cord, 7′ 6″ **52934-25** Power Cord, 16′ includes 24 volt power supply
	●	**52926-25** Shuttle iOn Includes battery pack and charger with cable. See motor specs on pages 91-92
	●	 **52949-25** Battery Pack Lithium iOn battery charger for use with Shuttle iOn
	●	 **52924-59** Power Cord for use with Shuttle iOn battery charger

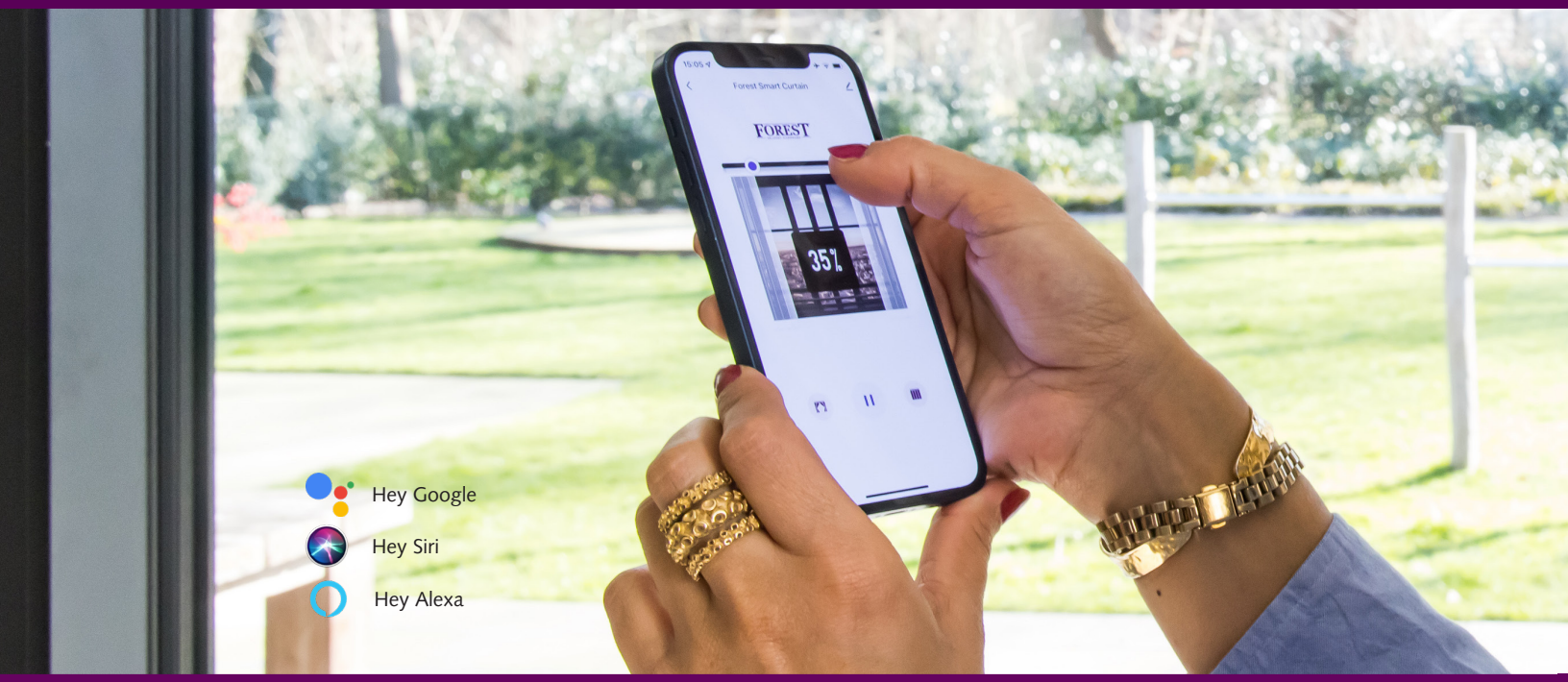
DEV	MOT	COMPONENT
	●	**52933-25** white **59** black Diamond Sense Wall Switch 2 channel
	●	**52931-25D** white **59D** black Diamond Sense Remote RF, 15 channel w/ holder, range 98′
	●	 **52947-25** Wireless Connector One way transmitter to control drapery by third party app or by home automation. Works with all Forest Shuttle & tubular motors.
	●	**52953-25** Smart Plug
	●	**52948-25** **59** black Wi-Fi Dongle Bi-directional communication using Forest Connect app. Use with Forest Shuttle HD, L & Eco.

FOREST DEVENTER MRS® SYSTEM

DEV MOT	COMPONENT	
●		**51919-XX** 1 1/8" Aluminum Rail 19' 7"
●		**53413-90** Rail Connector aluminum, 3"
●		**51901-XX** Left Motor Pulley **51902-XX** Right Motor Pulley
●		**51903-XX** Left Return Pulley **51904-XX** Right Return Pulley
●		**9012-25** Transport Belt Kevlar reinforced
●		**52512-25** white **59** black Transport Belt Connector
●		**53402-XX** Extended Single Bracket
●		**53412-XX** Inside Mount Bracket
●		**52430-XX** End Cap Finial
●		**52431-XX** Ball Finial
●		**52432-XX** Notched Finial

DEV MOT	COMPONENT	
●		**53408-25, 29, 59, 81** Flush Ceiling Bracket Cannot use finials
●		Two Piece Connected Snap Carrier w/ Square Base, in plastic sleeve. Use 1 1/4" snap tape **2114-25, 59** black 60% fullness, 2 5/8" OC **2111-25, 65** brown, **90** grey 80% fullness, 2 3/8" OC **2112-25, 59** black 100% fullness, 2 1/8" OC **2115-25, 59** black 120% fullness, 1 7/8" OC
●		**52008-25** **59** black, **65** brown Slim Line Klick Carrier Allows drapery to hang and conceal track
●		**52009-25** Ball Bearing Carrier
●		**52508-25** Overlap R **52509-25** Underlap L Belt Master Carrier
●		**52508-25A** Overlap R **52509-25A** Underlap L Belt Master Carrier with snaps
●		**52410-25** Butt Right **52409-25** Butt Left **59** black Butt Master Carrier with snaps

SHUTTLE® MOTOR COMPARISON CHART



	SHUTTLE® HD (M)	SHUTTLE® ECO (S)	SHUTTLE® L
SPECIFICATIONS			
VOLTAGE SHUTTLE	24V DC	24V DC	100-240V, 50-60Hz 0.8A
RECEIVER	Internal, optional	Internal	Internal
POWER SUPPLY	External, 100-240V AC - 1.5A, 50-60Hz; Output 24V DC - 2.7A	External, 100-240V AC - 0.8A, 50-60Hz; Output 24V DC - 2.5A	Internal
MAX POWER	65W	40W	40W
TORQUE	1.5 Nm	1.0 Nm	1.0 Nm
TRAVEL SPEED	5.5" per second standard 7" per second maximum	5.5" per second standard 7" per second maximum	5.5" per second standard 7" per second maximum
NOISE LEVEL	< 40 dB(A)	< 40 dB(A)	< 40 dB(A)
MAXIMUM WEIGHT	160 lbs per motor 120 lbs per motor - curved track	100 lbs per motor 90 lbs per motor - curved track	100 lbs per motor 90 lbs per motor - curved track
DIMENSIONS	2.76" x 1.97" x 9.5"	2.76" x 1.97" x 7.5"	2.76" x 1.97" x 11"
CERTIFICATIONS/MARKINGS	CE/FCC/DOE	CE/FCC/DOE	CE/FCC/DOE
COLOR OPTIONS	White / Black	White	White
FEATURES			
TOUCH CONTROL TECHNOLOGY	√	√	√
INTEGRATED EMERGENCY CONTROL	√	√	√
RF COMMUNICATION STANDARD	√	√	√
Z-WAVE COMMUNICATION	-	-	√
AUTOMATION SYSTEM COMPATIBLE	√ using RS485 & dry contacts	√ using RS485 & dry contacts	√ using RS485 & dry contacts
WI-FI COMPATIBLE	√	√	√
WORKS WITH DS-XL LED DIMMER	√	√	√
WORKS WITH WIRELESS CONNECTOR	√	√	√
CAN BE USED WITH CURVED TRACK	√	√	√
PLUG & PLAY	√	√	√
WARRANTY	10 Years	10 Years	10 Years

SHUTTLE® MOTOR COMPARISON CHART

SHUTTLE® iOn

SPECIFICATIONS

VOLTAGE SHUTTLE	14.8V DC
RECEIVER	Internal
BATTERY	Lithium iOn battery + charger (3-4 months between charges)
MAX POWER	30W
TORQUE	1.0 Nm
TRAVEL SPEED	5.5" per second standard
NOISE LEVEL	< 40 dB(A)
MAXIMUM WEIGHT	55 lbs per motor 40 lbs per motor - curved track
DIMENSIONS	2" x 3" x 12.25"
CERTIFICATIONS/MARKINGS	CE/FCC/DOE
COLOR OPTIONS	White

FEATURES

TOUCH CONTROL TECHNOLOGY	√
INTEGRATED EMERGENCY CONTROL	√
RF COMMUNICATION STANDARD	√
Z-WAVE COMMUNICATION	-
AUTOMATION SYSTEM COMPATIBLE	√ using RS485 & dry contacts
WI-FI COMPATIBLE	√
WORKS WITH DS-XL LED DIMMER	√
WORKS WITH WIRELESS CONNECTOR	√
CAN BE USED WITH CURVED TRACK	√
PLUG & PLAY	√
WARRANTY	10 Years on motor 2 years on battery pack

Our wide variety of control options make finding a fit for your windows easy – controlling the drapes by hand, wall switch, remote or even by home automation system. Controlling the motorized system with your smart phone or tablet, you can create and schedule customized room scenes that allow your drapes to operate on their own throughout the day no matter where you are.

TOUCH CONTROL
Open or close your drapes with a gentle tug.

FOREST WALL SWITCH
2-channel wall switch, wireless.
Can be used with all Forest Shuttle motors.

FOREST DIAMOND SENSE REMOTE
15-channel remote controls up to 15 motors individually and together, with a timer or manually.
Range up to 98 feet.
Wall mounted holder included.

FOREST WIRELESS CONNECTOR
With the Wireless Connector make your new or existing Shuttle motorized drapery system "smart". Add a smart plug and use with Apple Homekit, Google Assistant, or Amazon Alexa.

FOR ADDITIONAL CONTROL OPTIONS, SEE THE ROADMAP ON THE FOLLWING PAGES

Scan for How To videos on the FOREST YOUTUBE CHANNEL.

FOREST MOTOR CONTROLS ROADMAP

Scan for How To videos on the FOREST YOUTUBE CHANNEL.

HOW DO YOU WANT TO CONTROL YOUR DRAPERY?

Remote Control
and/or Wall Switch

RF

- ☑ **Shuttle**
  - ☑ S ☑ M ☑ L ☑ iOn
- ☑ **Diamond Sense Remote**
- ☑ **Wall Switch**
- ☐ WiFi dongle
- ☐ Wireless Connector
- ☐ Forest smart plug
- ☐ Smart plug third party
- ☐ External RF Multi receiver
- ☐ RJ 45 plug
- ☐ AC Control Set

Voice Control
a smart speaker or smartphone is required

Google Assistant · Apple Siri Commands · Amazon Alexa

With feedback current status

WiFi

- ☑ **Shuttle**
  - ☑ S ☑ M ☑ L ☐ iOn
- ☑ Diamond Sense Remote
- ☑ Wall Switch
- ☑ **WiFi dongle**
- ☐ Wireless Connector
- ☐ Forest smart plug
- ☐ Smart plug third party
- ☐ External RF Multi receiver
- ☐ RJ 45 plug
- ☐ AC Control Set

Without feedback current status

RF

- ☑ **Shuttle**
  - ☑ S ☑ M ☑ L ☑ iOn
- ☑ Diamond Sense Remote
- ☑ Wall Switch
- ☐ WiFi dongle
- ☑ **Wireless Connector**
- ☑ **Forest smart plug**
- ☐ Smart plug third party
- ☐ External RF Multi receiver
- ☐ RJ 45 plug
- ☐ AC Control Set

App-control
local and remote

With feedback current status

WiFi

FOREST CONNECT
Forest Connect app

Works also with apps:
Google Home, Amazon Alexa

- ☑ **Shuttle**
  - ☑ S ☑ M ☑ L ☐ iOn
- ☑ Diamond Sense Remote
- ☑ Wall Switch
- ☑ **WiFi dongle**
- ☐ Wireless Connector
- ☐ Forest smart plug
- ☐ Smart plug third party
- ☐ External RF Multi receiver
- ☐ RJ 45 plug
- ☐ AC Control Set

Without feedback current status

RF

Connect SmartThings and Bond Bridge directly without extras

SmartThings · bond Bridge

(examples)

Apple HomeKit only possible with Wireless Connector and Apple HomeKit smart plug

- ☑ **Shuttle**
  - ☑ S ☑ M ☑ L ☑ iOn
- ☑ Diamond Sense Remote
- ☑ Wall Switch
- ☐ WiFi dongle
- ☑ **Wireless Connector**
- ☐ Forest smart plug
- ☑ **Smart plug third party***
- ☐ External RF Multi receiver
- ☐ RJ 45 plug
- ☐ AC Control Set

* Third party smart plugs are not available from Forest.

FOREST DRAPERY HARDWARE

WWW.FORESTDH.COM 678-721-0004 / CUSTOMERSERVICE@FORESTDH.COM

FOREST MOTOR CONTROLS ROADMAP

Wired Building Automation System
Attention: always consult an installation specialist

Data cable close to the motor? NO

Without feedback

110 Volt - with power
RF - no power

KNX CRESTRON
(examples)

- ☑ **Shuttle**
  - ☑ S ☑ M ☑ L ☑ iOn
- ☑ Diamond Sense Remote
- ☑ Wall Switch
- ☐ WiFi dongle
- ☑ **Wireless Connector**
- ☐ Forest smart plug
- ☐ Smart plug third party
- ☐ External RF Multi receiver
- ☐ RJ 45 plug
- ☐ AC Control Set

Without feedback

110 Volt + control wires

- ☑ **Shuttle**
  - ☑ S ☑ M ☑ L ☐ iOn
- ☑ Diamond Sense Remote
- ☑ Wall Switch
- ☐ WiFi dongle
- ☐ **Wireless Connector**
- ☐ Forest smart plug
- ☐ Smart plug third party
- ☐ External RF Multi receiver
- ☐ RJ 45 plug
- ☑ AC Control Set

Data cable close to the motor? YES

Without feedback

110 Volt Continuos Voltage + data cable. Potential free

- ☑ **Shuttle**
  - ☑ S ☑ M ☑ L ☐ iOn
- ☑ Diamond Sense Remote
- ☑ Wall Switch
- ☐ WiFi dongle
- ☐ Wireless Connector
- ☐ Forest smart plug
- ☐ Smart plug third party
- ☐ External RF Multi receiver
- ☑ **RJ 45 plug**
- ☐ AC Control Set

With feedback

110 Volt Continuos Voltage + data cable. RS232/RS 485

- ☑ **Shuttle**
  - ☑ S ☑ M ☑ L ☐ iOn
- ☑ Diamond Sense Remote
- ☑ Wall Switch
- ☐ WiFi dongle
- ☐ Wireless Connector
- ☐ Forest smart plug
- ☐ Smart plug third party
- ☐ External RF Multi receiver
- ☑ **RJ 45 plug**
- ☐ AC Control Set

somfy
Existing Somfy System

RTS

Power available close to motor? YES

Without feedback

- ☑ **Shuttle**
  - ☑ S ☑ M ☑ L ☐ iOn
- ☑ Diamond Sense Remote
- ☑ Wall Switch
- ☐ WiFi dongle
- ☐ Wireless Connector
- ☐ Forest smart plug
- ☑ **Somfy Ext. receiver**
- ☐ External RF Multi receiver
- ☐ RJ 45 plug
- ☐ AC Control Set

IO

Power available close to motor? YES

Without feedback

- ☑ **Shuttle**
  - ☑ S ☑ M ☑ L ☐ iOn
- ☑ Diamond Sense Remote
- ☑ Wall Switch
- ☐ WiFi dongle
- ☑ **Wireless Connector**
- ☐ Forest smart plug
- ☑ **Smart plug Somfy***
- ☐ External RF Multi receiver
- ☐ RJ 45 plug
- ☐ AC Control Set

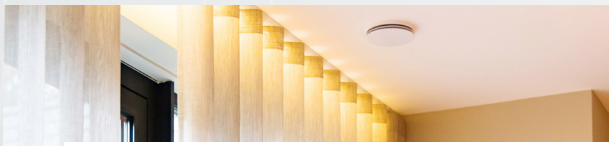
* Somfy smart plugs are not available from Forest.

Power available close to motor? NO

Without feedback

- ☑ **Shuttle**
  - ☐ S ☐ M ☐ L ☑ iOn
- ☑ Diamond Sense Remote
- ☑ Wall Switch
- ☐ WiFi dongle
- ☑ **Wireless Connector**
- ☐ Forest smart plug
- ☑ **Smart plug Somfy***
- ☐ External RF Multi receiver
- ☐ RJ 45 plug
- ☐ AC Control Set

* Somfy smart plugs are not available from Forest.



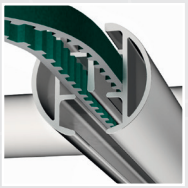
DECIDE HOW TO CONTROL YOUR DRAPES IN JUST A FEW STEPS

FOREST DEVENTER MRS® SYSTEM

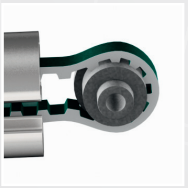
PRODUCT INFORMATION

- Use with any Forest Shuttle motor
- 1 1/8" diameter rod
- Available in 3 finishes: 29 satin nickel, 81 antique bronze, and 89 graphite
- Finished end pulley requires no finials.
- Three finials - Optional.
- High quality rod: high-grade aluminum, chromated, powder coated or anodized
- Smooth and silent operation through Kevlar reinforcement of the transport belt
- Easy opening and closing with the hand-held Diamond Sense remote control
- Smart home ready
- Overlap carriers guarantees a complete closing of the drapery

3



5

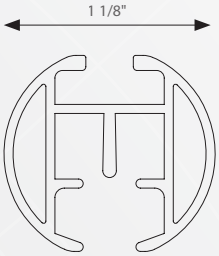


6

1. MRS channel rod
2. MRS finished end pulley
3. MRS motor pulley equipped with high-quality ball bearings
4. Master carrier
5. Kevlar transport belt
6. Return pulley

PROFILE

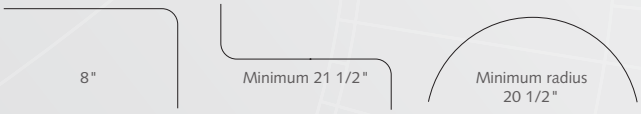
- Shown actual size 1:1
- Weight: 5.16 ounces/ft.
- Aluminum Extrusion
- Dimension: 1 1/8"



APPLICATIONS

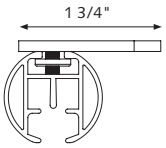
BENDING / CURVING

The rod can be curved and reverse curved by using a radius of 8".

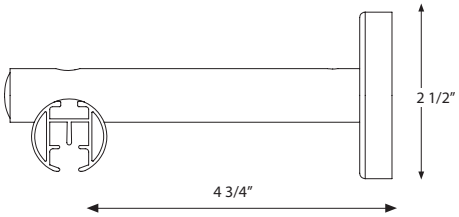


MOUNTING BRACKETS

Flush Ceiling Bracket 53408-XX



Extended Single Wall Bracket 53402-XX



FOR USE IN

Residential and contract market, or at any location where a high quality, elegant and motorized rod system is required.