



Element Designs is the leading manufacturer of custom aluminum frame doors in North America. All of our doors are built to our customers' specifications within 1/16". Our aluminum frame door program offers numerous profile options in several finishes and a vast selection of inserts to accent virtually any interior application. Element Designs can provide complete door systems with sliding hardware and guides/ rails cut to size, making the door installation process simple.

Our customer service, quick lead times and quality are the foundation of our company. Our nation-wide network of sales representatives and distributor locations provide a superior level of support to our customers and are always available to assist you with your order.

TABLE OF CONTENTS

Design Guide: Aluminum Door Profiles	3
Design Guide: Aluminum Door Finishes	4
Design Guide: Aluminum Door Divider Rails	5
Handle Boring Specifications	6
Large Sliding Doors RO44 Components & System Information	7
Large Sliding Doors RO44 Carrier Kits & Single Tracks	9
Large Sliding Doors RO44 Double & Triple Tracks	10
Large Sliding Doors RO44 Door Calculations	11
Large Sliding Doors RO44 Installation Guide	12
Small Sliding Doors SH 7035 Components & System Information	16
Small Sliding Doors SH 7035 Carrier Kit & Track	18
Small Sliding Doors SH 7035 Door Calculations	19
Small Sliding Doors SH 7035 Installation Guide	20
Warranty.....	21



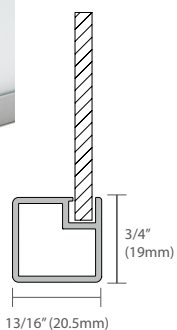
Watch door installation video here:

<https://www.youtube.com/watch?v=ZJWFRESIA8c&t=7s>

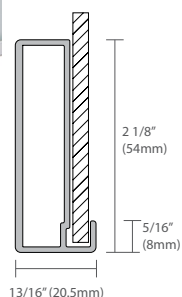
Frame Profiles



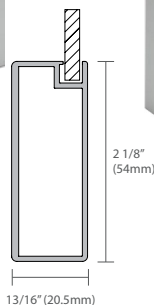
AF001*
will soon be
replaced by
AF017



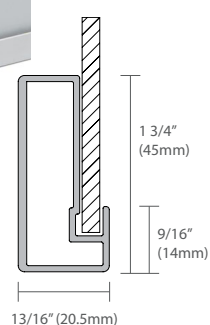
AF002



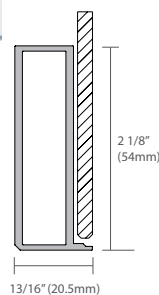
AF003



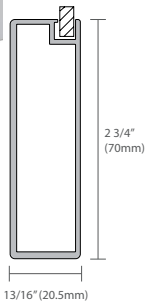
AF004



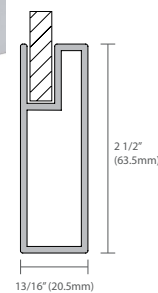
AF006



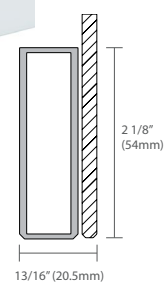
AF007



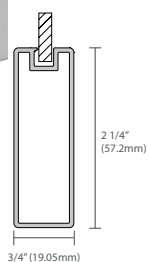
AF009



AF010



AF011



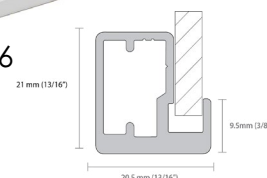
AF014



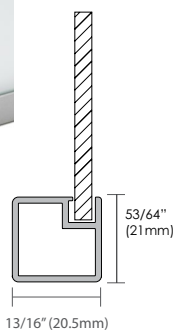
AF015



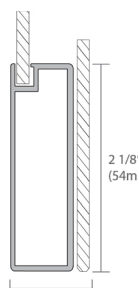
AF016



AF017*
will soon
replace AF001

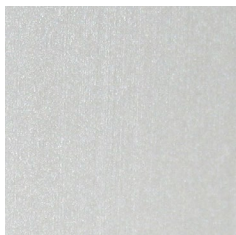


AF210



Profile Finishes

Anodized



natural aluminum (N)

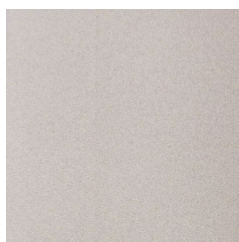


brushed stainless (S)

Coated



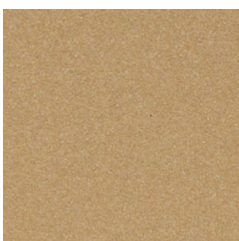
graphite (GR)



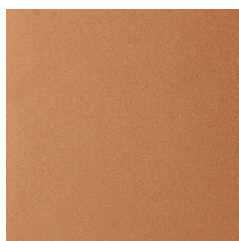
arctic silver (AS)



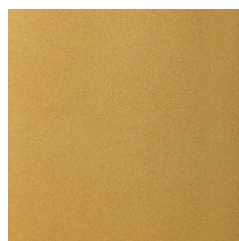
luxe bronze (LB)



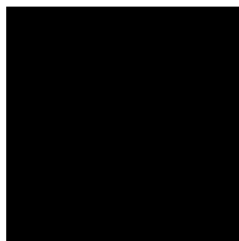
gold (GLD)



copper (C)



modern brass (MB)

onyx (X)
matte black

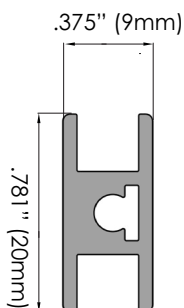
bronze matte (BZM)

chalk (CK)
matte white

black (B)

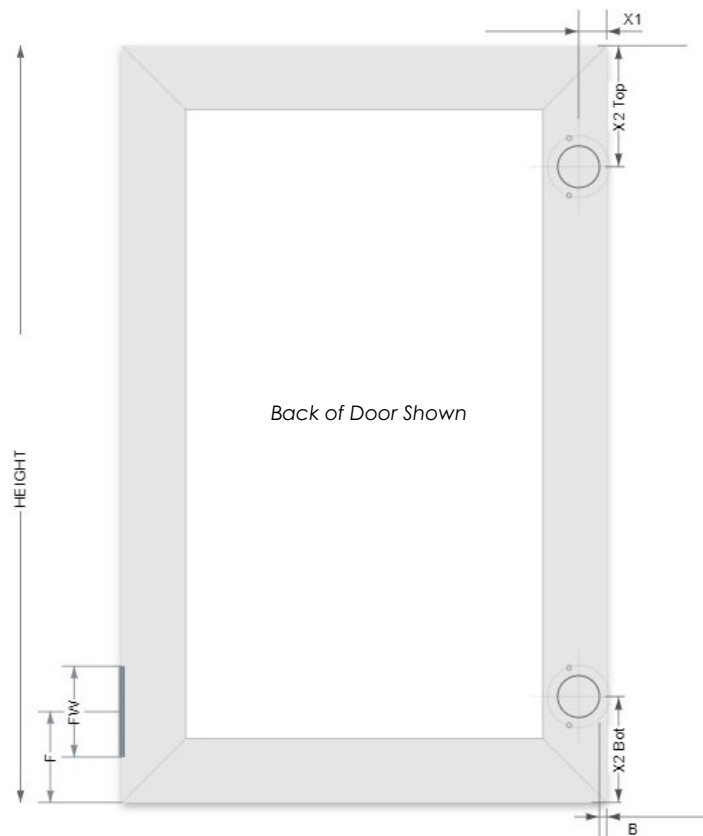
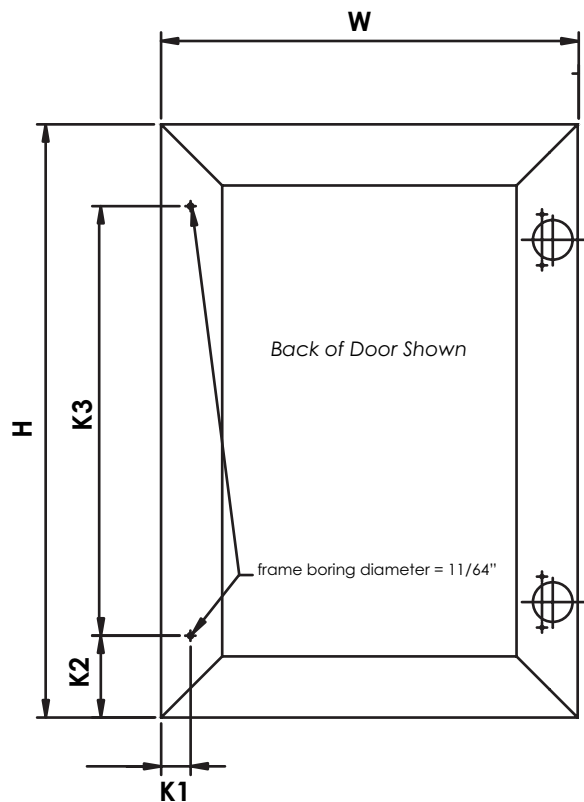
Divider Rail - Single & Multiple Inserts

- Divider rails can be used with large sliding doors to provide additional design options
- Contact Element Designs for panel height and width limitations with integrated divider rails
- Multiple inserts may be used per door with divider rail
- Rail measures 25/32" (20mm) wide
- For use with the following profiles:
AF001, AF003, AF007, AF009, AF011, AF013
****AF001 will soon be replaced by AF017**



Divider Rail Inserts & Locations

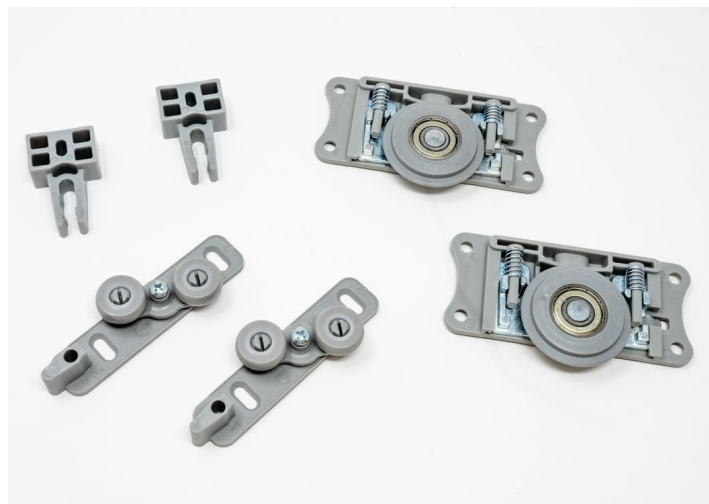
D1 = _____ (top of door to center of divider rail)	Panel 1 Insert: _____
D2 = _____ (center of divider rail to center of divider rail or bottom of door if applicable)	Panel 2 Insert: _____
D3 = _____ (center of divider rail to center of divider rail or bottom of door if applicable)	Panel 3 Insert: _____
D4 = _____ (center of divider rail to center of divider rail or bottom of door if applicable)	Panel 4 Insert: _____



Profile	K2 Standard (Knob/ Pull Center from door edge)	K2 Minimum (Knob/ Pull Center from door edge)	K1 Standard (centered on profile)	Std. Handle Boring Through Glass (If yes, customer MUST specify hole location at order)	Flush Mount P3-42 Minimum (center of 3" pull to door edge)
AF001	2.5" (63.5mm)	2" (50.8mm)	.375" (10mm)	NO	3.75" (95.2mm)
AF002	2.5" (63.5mm)	2.25" (57mm)	1.063" (27mm)	YES	3.75" (95.2mm)
AF003	2.5" (63.5mm)	2.25" (57mm)	1.063" (27mm)	NO	3.75" (95.2mm)
AF004	2.5" (63.5mm)	2.25" (57mm)	1.156" (29mm)	YES	3.75" (95.2mm)
AF006	2.5" (63.5mm)	2.25" (57mm)	1.063" (27mm)	YES	3.75" (95.2mm)
AF007	2.5" (63.5mm)	2.25" (57mm)	1.375"	NO	3.75" (95.2mm)
AF009	2.5" (63.5mm)	2.25" (57mm)	.875" (22mm)	NO	3.75" (95.2mm)
AF010	2.5" (63.5mm)	2.25" (57mm)	1.063" (27mm)	YES	NOT AVAILABLE
AF011	2.5" (63.5mm)	2.25" (57mm)	1.125" (29mm)	NO	3.75" (95.2mm)
AF012	3.625" (92mm)	3.625" (92mm)	Contact Element	YES	5.125"
AF013	3.625" (92mm)	3.625" (92mm)	0.5" (13mm)	NO	5.125"
AF014	2.5" (63.5mm)	2.25" (57mm)	1.125" (29mm)	YES	3.75" (95.2mm)
AF015	2.5" (63.5mm)	2.25" (57mm)	0.781" (20mm)	NO	3.75" (95.2mm)
AF016	2.5" (63.5mm)	2" (50.8mm)	Contact Element	YES	3.75" (95.2mm)
AF210	2.5" (63.5mm)	2.25" (57mm)	1.063" (27mm)	YES	NOT AVAILABLE

- Standard Aluminum Handle Boring Diameter = 11/64" (4.3mm)
- Standard Glass Handle Boring Diameter = 5/16" (8mm)

* Doors with standard handle hole in glass come with plastic grommet installed, which should be left in place when handle is installed to protect edge of glass hole and to prevent overtightening and glass shattering



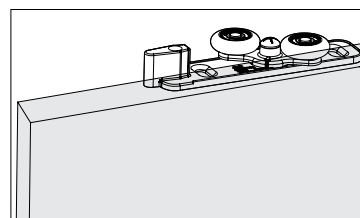
Bottom Glide RO44

Design Guidelines:

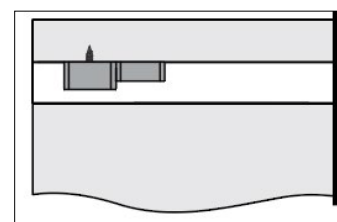
- Floor Sliding System, top guide and bottom track
- Multiple doors per system, inset or surface mount track
- Floor to ceiling and inset casework applications
- Reference Sliding Systems At A Glance for maximum door dimensions
- Doors weighing up to 132 lbs (60 kg)



Top Door Guides
(2 per door - Soft Close mechanisms available)



Adjustable Position
Door Stops



Bottom CarrierLoad
Bearing Roller System
(2 per door - pre-installed)



Link to Sliding Door Hardware Video: [Click Here](#)

Optional Soft Close Mechanism (Comfort 240): [Click Here](#)

Bottom Glide RO44

Application Type: LARGE sliding door applications
(floor to ceiling, closets / wardrobes, interior openings)

Tracks & Guides: Single, Double, & Triple surface mount floor tracks and top guides. Single inset floor track also available.

Compatible Profiles: AF002, AF003, AF004, AF006, AF007, AF009, AF010, AF011, AF014, AF015

Multiple doors able to be on multiple planes of travel.

FEATURES AND BENEFITS

Brakes and/or actuators installed inside top guide maintain door position.

Soft close mechanisms also available and will replace standard brakes.

Easy height adjustment system.

High quality rollers provide smooth and silent sliding motion.

DESIGN GUIDELINES

Door weight max: 60kg (~132 lbs)

Door weight min: 15kg (~33 lbs)

Recommended Door height max: 96"

(contact us for taller dimensions)

Door width:

Double soft close: min 27.5"

No soft close: min 20"



Bottom Glide RO44 Carrier Kit includes:



2 Door Carriers (pre-installed)
Bottom of Doors



2 Door Guides (pre-installed)
Top of Doors



2 Brakes (customer installed)
In Top Guide if NO soft-close

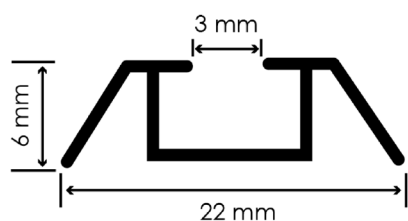
OPTIONAL Soft Close Mechanism (Comfort 240)

2 Soft Close Mechanisms (customer installed)
In Top Guide, INSTEAD of brakes.

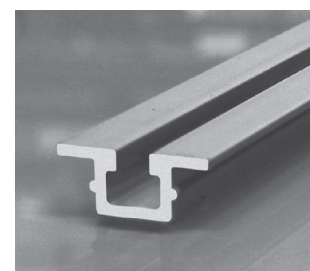
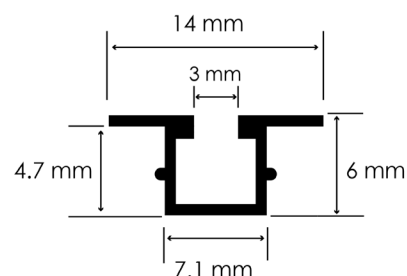


SINGLE Tracks & Guides

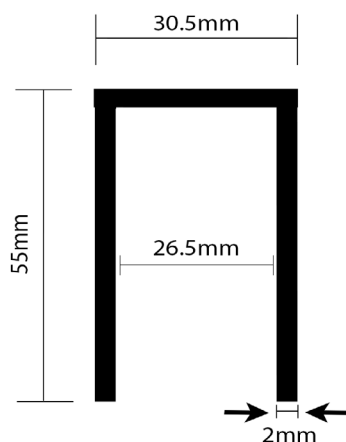
Surface Mount **Single** Track
90", 120", 138" lengths



Inset **Single** Track
90", 118" lengths

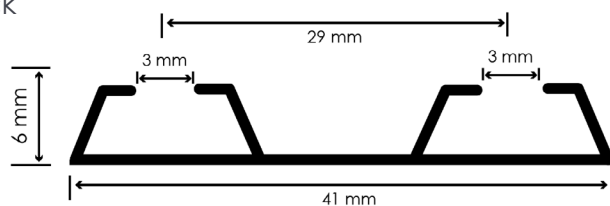


Single Top Guide
90", 120" or 138" lengths available

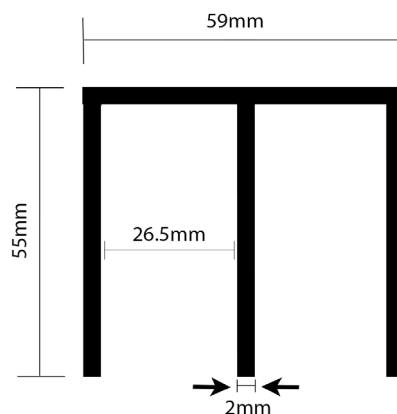


DOUBLE Tracks & Guides

Surface Mount **Double** Track
90", 120", 138" lengths

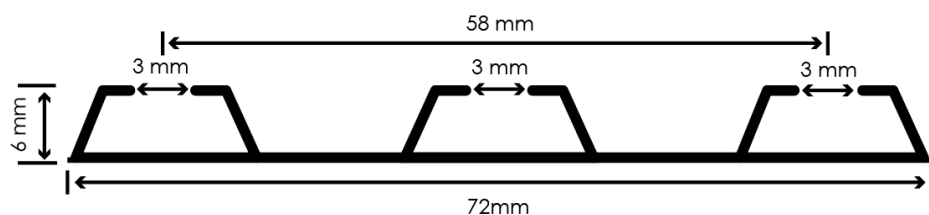


Double Top Guide
90", 120" or 138" lengths available

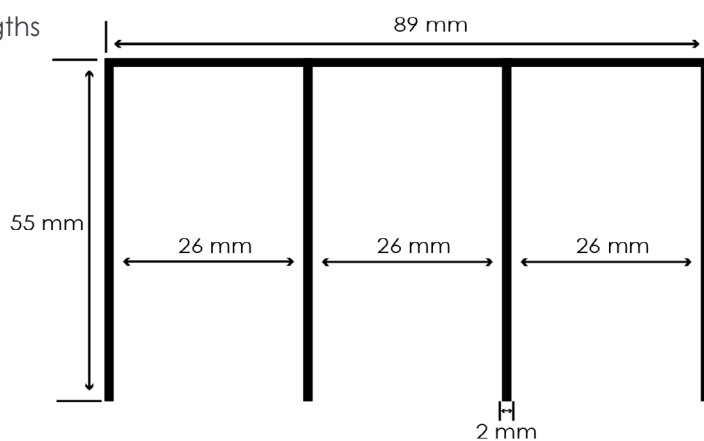


TRIPLE Tracks & Guides

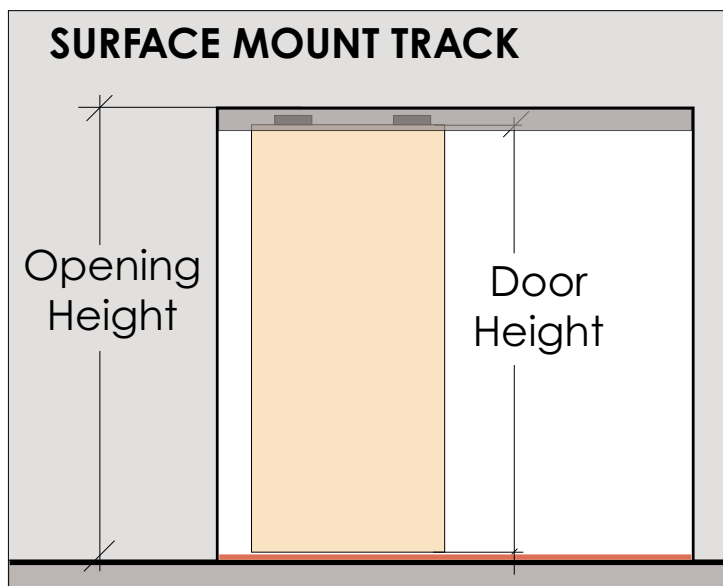
Surface Mount **Triple** Track
90", 120", 138" lengths



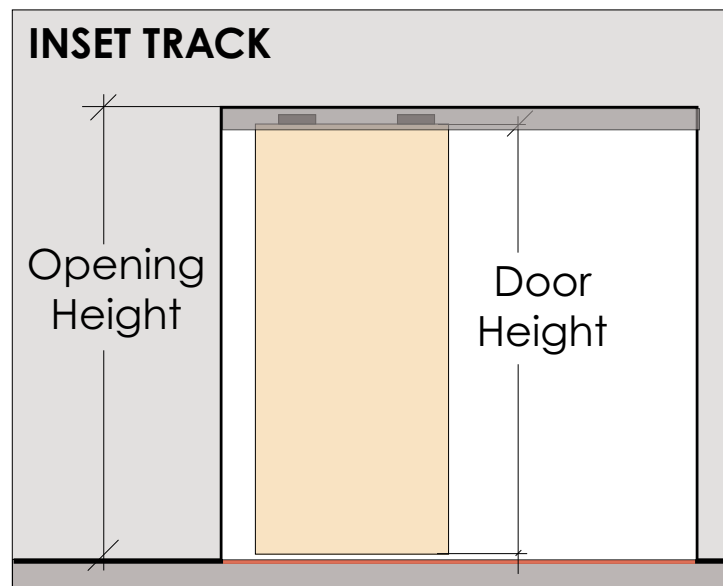
Triple Top Guide
90", 120", 138" lengths



Door Height Calculation



SURFACE MOUNT TRACK:
 Door Height = Opening Height - 36mm



INSET TRACK:
 Door Height = Opening Height - 31mm

Door Width Calculation

Door Width = (Opening width \div # of doors) + (profile width* \div 2)

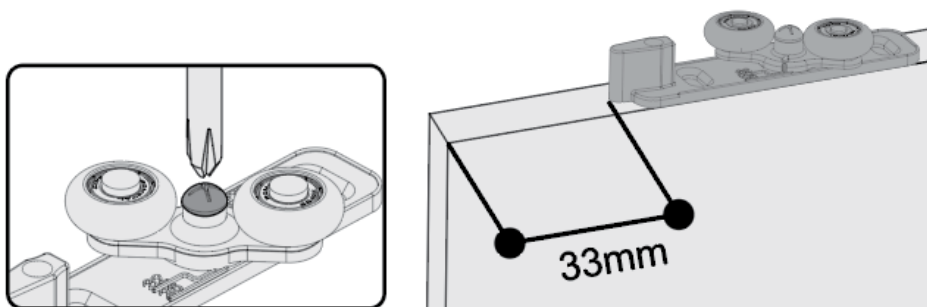
*Profile Width:

AF002 = 2 1/8" (54mm)
 AF003 = 2 1/8" (54mm)
 AF004 = 1 3/4" (45mm)
 AF006 = 1 3/4" (45mm)
 AF007 = 2 3/4" (70mm)
 AF009 = 2 1/2" (63.5mm)
 AF010 = 2 1/8" (54mm)
 AF011 = 2 1/4" (57.2mm)
 AF014 = 2 1/8" (54mm)
 AF015 = 2 11/32" (60mm)
 AF210 = 1 3/4" (45mm)

Door weight calculator can be found online: <https://www.element-designs.com/technical>

BEFORE INSTALLING TOP GUIDE - ADJUST TOP DOOR GUIDE WHEELS

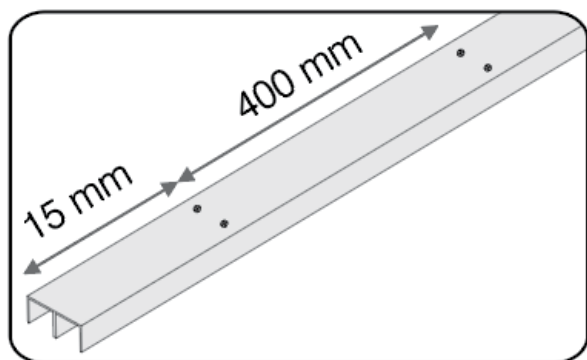
Top of Door Wheel Adjustment - unscrew to loosen and adjust wheels to correct number; tighten the screw to lock in place.



TOP GUIDE INSTALLATION

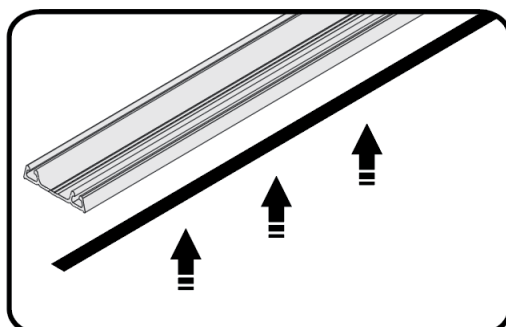
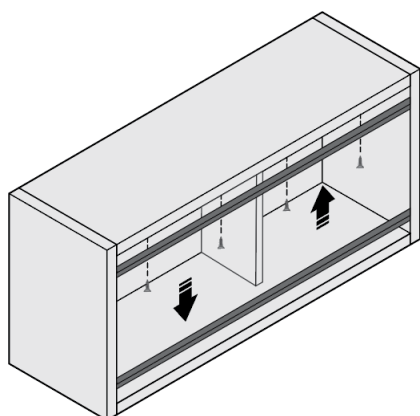
Drill pilot holes in the center of each channel and space holes per drawing.

Use countersink screws when possible. This will avoid potential interference with guides if using a lightweight door or if door is slightly oversized.



BOTTOM TRACK INSTALLATION

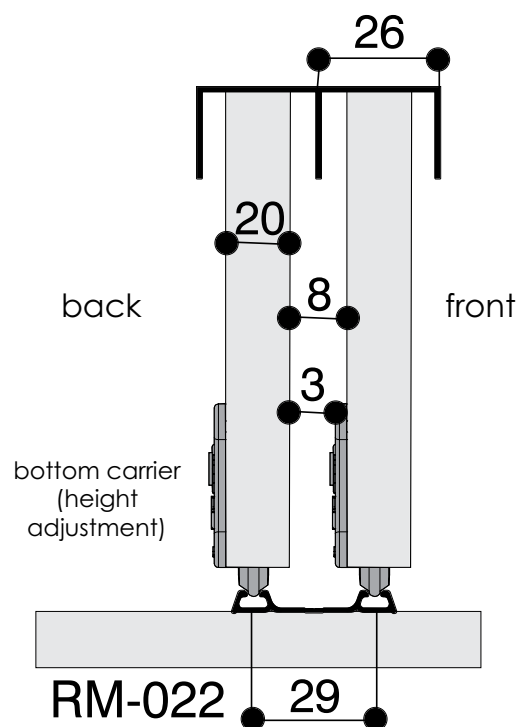
Surface mount installed using double-sided tape, provided by installer.



Tape not included, supplied by installer.

TRACK & GUIDE PLACEMENT

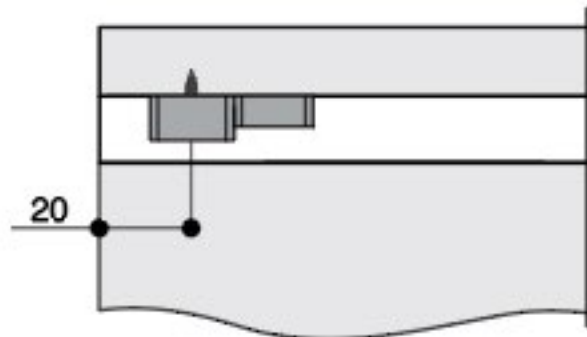
dimensions in mm



BRAKE INSTALLATION

PRIOR to brake installation, pre-drill pilot holes into top guide. Install brake by attaching to the top guide with appropriate screw.

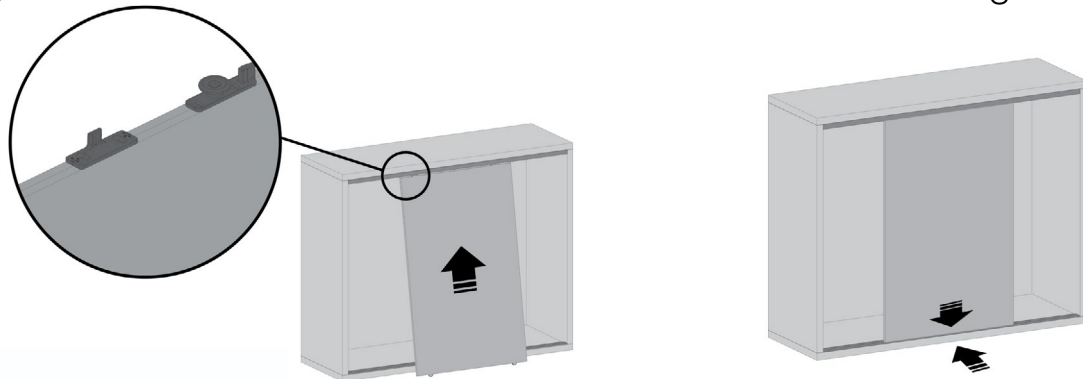
Brake STOP distance is determined by installed position. 20 mm minimum from wall.



DOOR INSTALLATION

PRIOR to door install, you must LOCK the floor carrier wheels into the lifted position, this will allow for the door to fit into the bottom track(s).

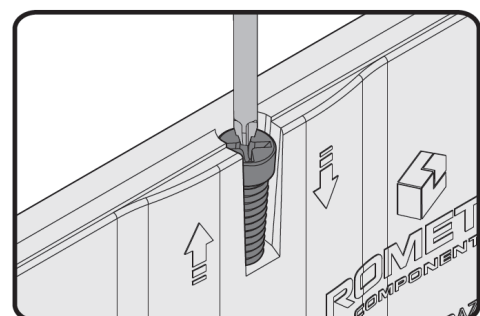
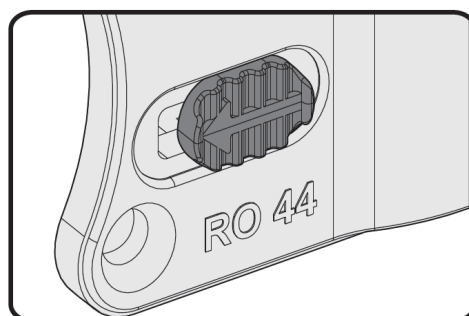
Lift door from both sides and install TOP first into the top guide and with floor carrier wheels locked into place, install door into bottom track. UNLOCK floor carrier wheels and guide them into the track.



FLOOR CARRIER WHEEL ADJUSTMENT

Door should be in LOCKED position (wheels up) prior to install and UNLOCKED to allow wheels down into bottom track. Height adjustment system uses phillips head screwdriver for up and down adjustment of up to 10 mm in height change..

UNLOCKED, the springs push wheels DOWN.
LOCKED, the springs hold wheels UP, inside carrier.



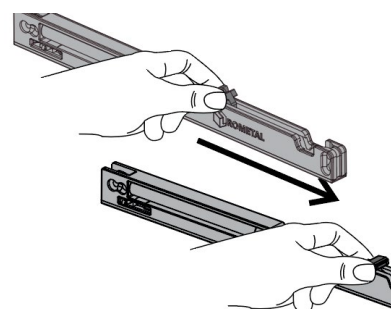
Soft Close Mechanism Positioning in Top Guide

Double Guide, Double Track with 2 Doors Example:

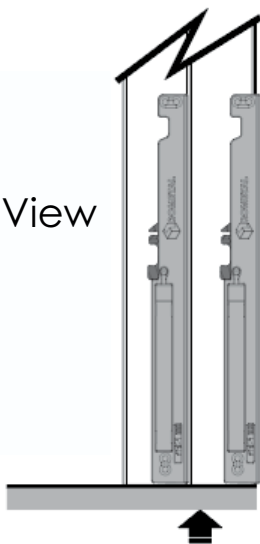
FRONT

PRIOR TO INSTALL: Activate Soft Close Mechanism:

Push latch FORWARD to activate, if not done so.



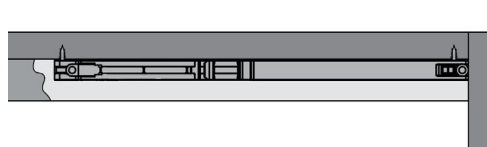
Top View



Top & Side View of Soft Close Mechanism Positions in Top Guide

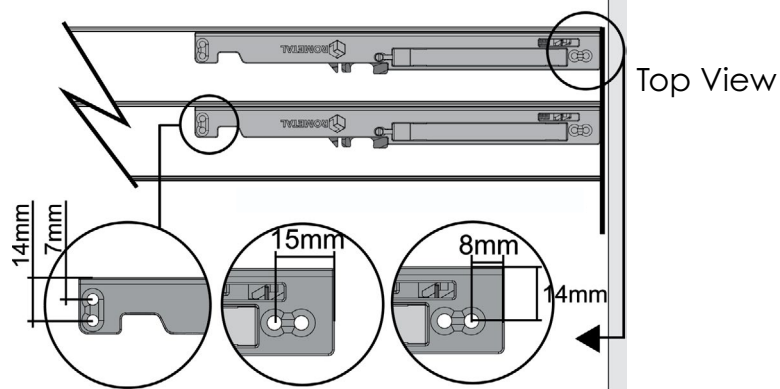


Side View



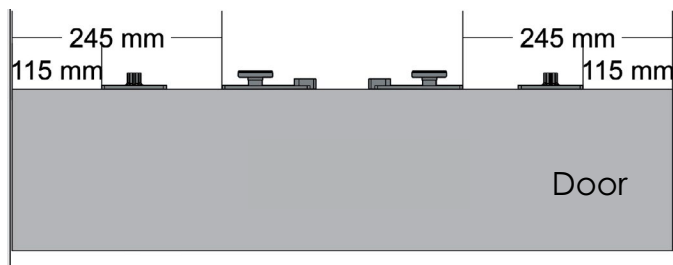
INSTALL soft close mechanisms inside each top guide rail, on both left and right sides of door opening.

PRIOR TO INSTALL: Pre-Drill pilot holes in top guide. Fasten using 3.5 x 22 CC screws.

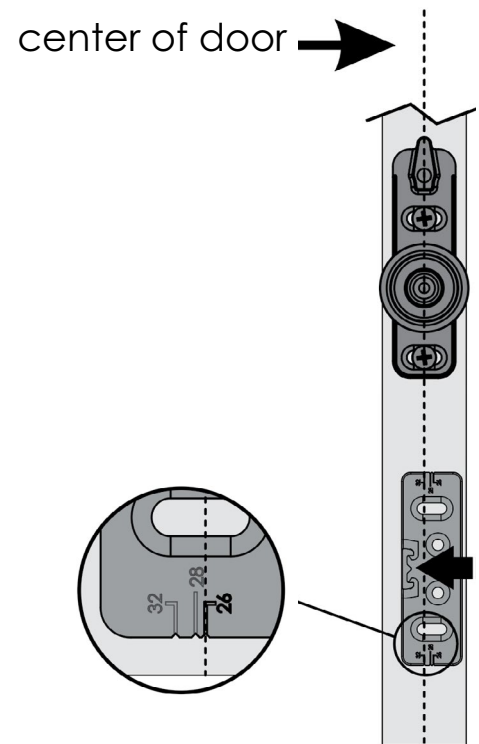
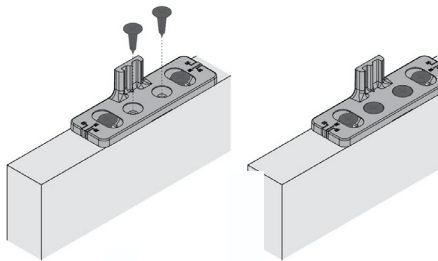
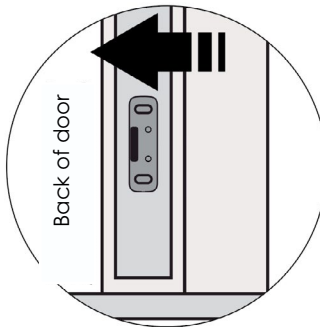
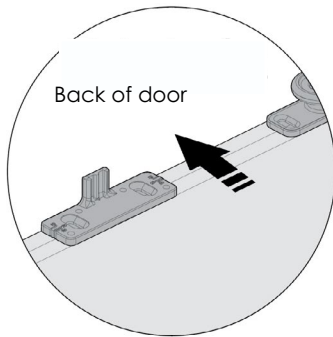


Soft close HOW-TO VIDEO: <https://www.youtube.com/watch?v=36zBKJl6Ayo&t=14s>

Pre-Installed Activator on Doors:



Tab positioned towards the back of door.

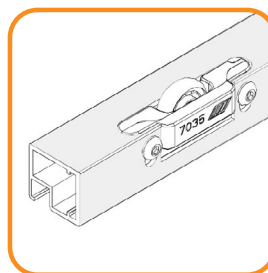
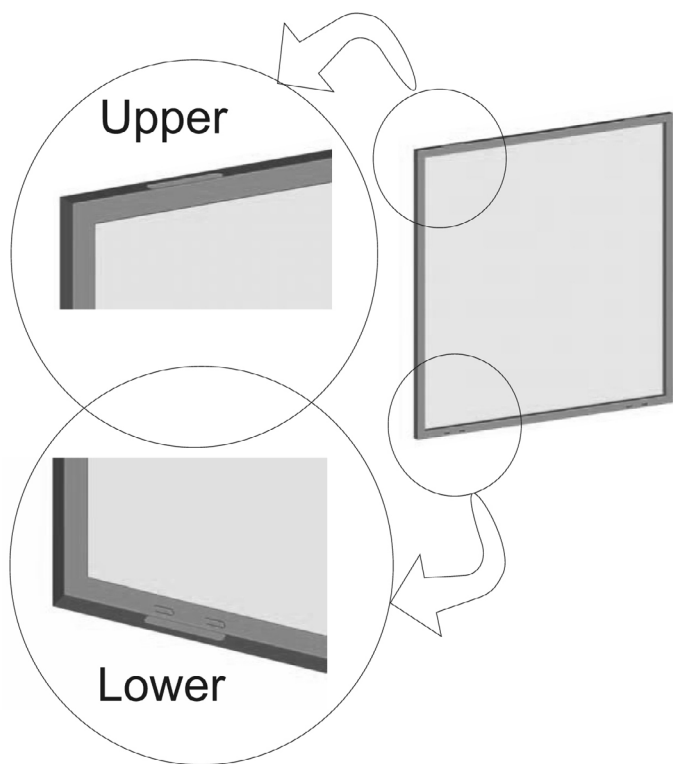




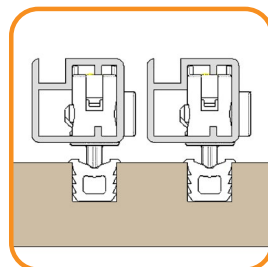
SH 7035

Design Guidelines:

- Small Sliding System, top and bottom track
- Multiple doors per system, inset track
- Reference Sliding Systems At A Glance for maximum door dimensions
- Doors weighing up to 33 lbs
- Only recommended for AF001 and AF016 profiles



Small Door Carriers
(4 per door - preinstalled)



Inset Track
Up to 140"

SH 7035 - Small Sliding Doors

Application Type: SMALL sliding door applications (cabinets, furniture, closets / wardrobes)

Recommended Profiles: AF016 and AF017

Tracks & Guides: single inset top and bottom track

Frame height minimum: 20.5mm (.813")

FEATURES AND BENEFITS

Easy adjustment and smooth movement.

Spring loaded carriers and guides prevent the door from jumping the track.

Flush mount carrier installation reduces the space/ gap between the doors.

DESIGN GUIDELINES

Door weight max: 15kg (~33 lbs)

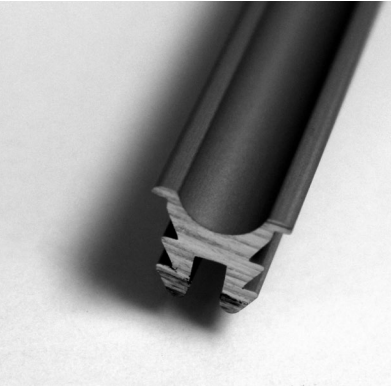
Recommended Door height max: 48" (contact us for taller dimensions)

NOT RECOMMENDED FOR USE WITH dECOLuxe SOLID ACRYLIC DOORS

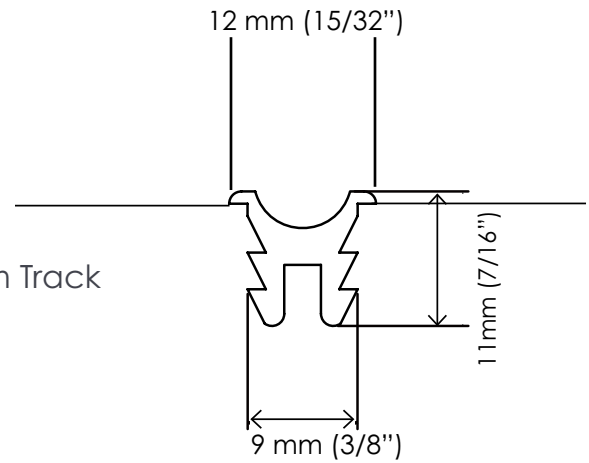


AF001 Profile, White Matte Backpainted Glass

①



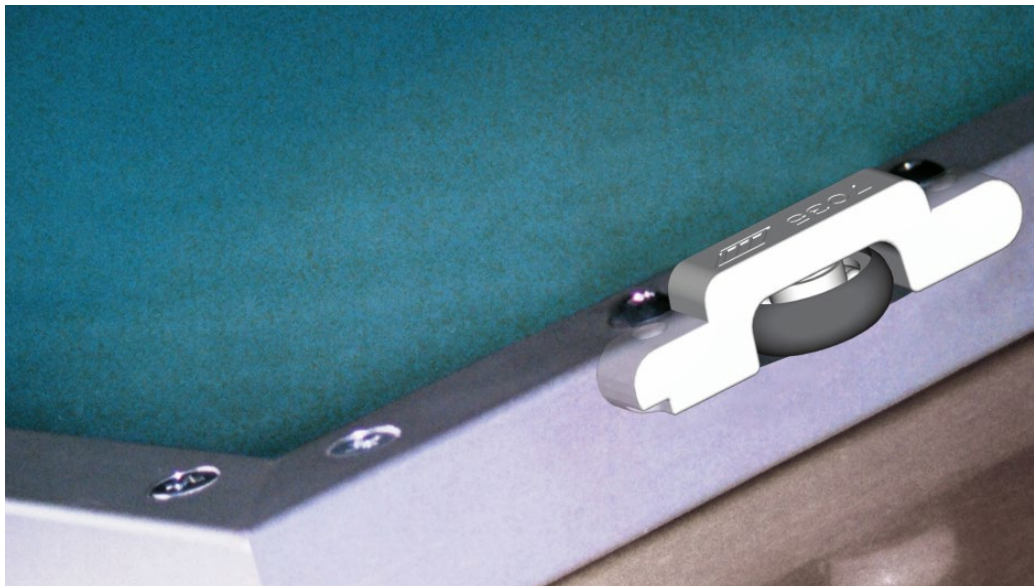
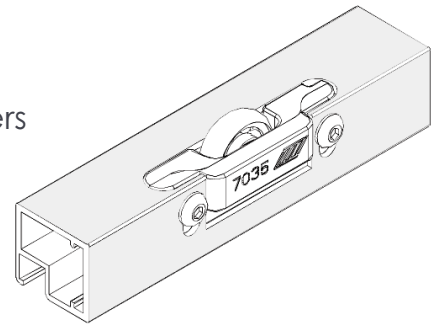
Inset Single Bottom Track
(SH 7035)



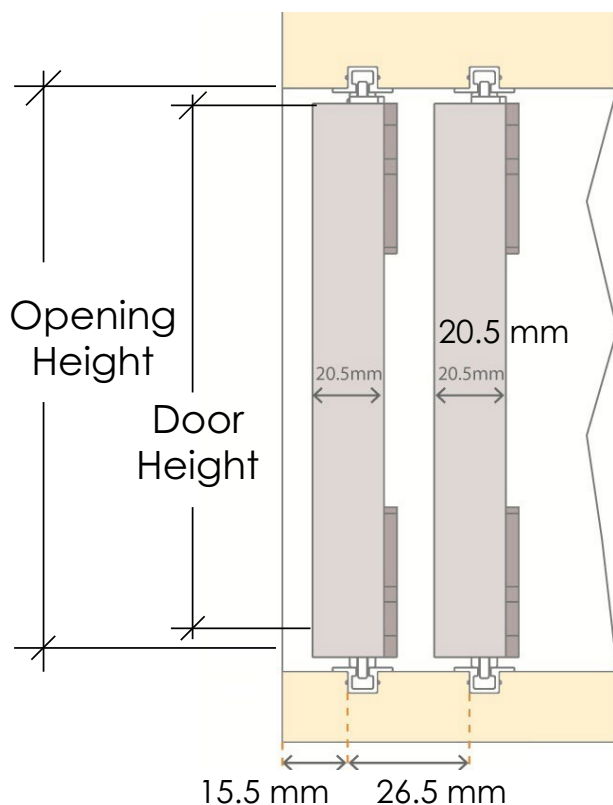
②



PRE-INSTALLED Door Carriers
(4 per door)



Inset Track:



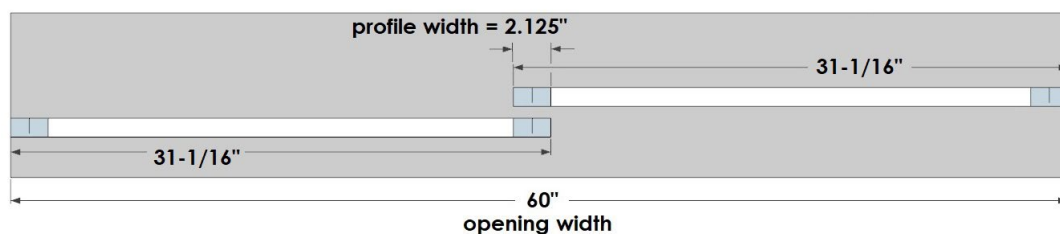
Door Height = Opening height - 5mm

Door Width

Below formulas will create overlap of full profile width, as illustrated,

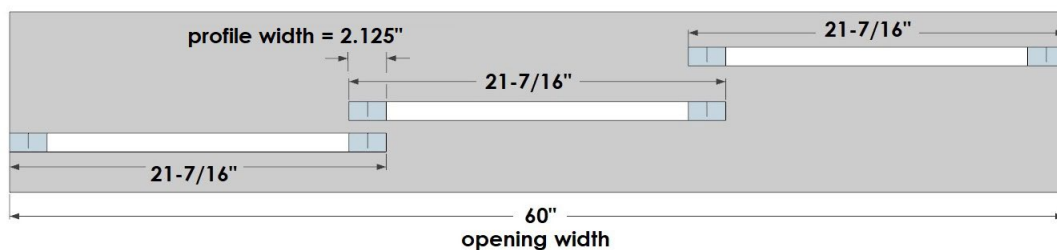
For 2 doors, 2 planes of travel:

Door Width = (Opening width + profile width) / 2



For 3 doors, 3 planes of travel:

Door Width = (Opening width + (profile width * 2) / 3



For 4 doors, 4 planes of travel:

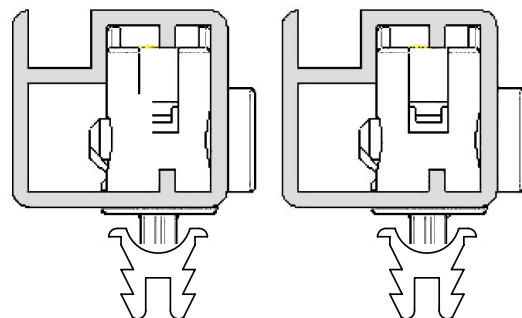
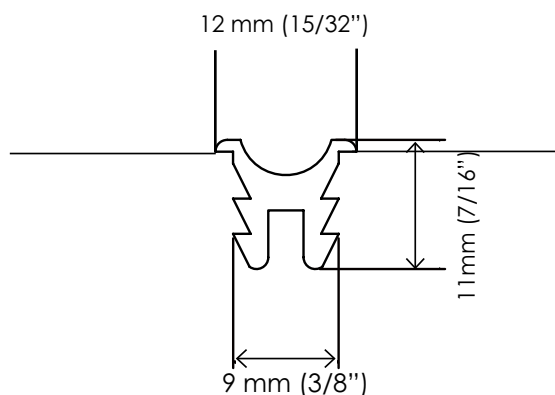
Door Width = [(Opening width / 2) + (profile width) / 2



Profile Widths: AF016 = 13/16" (19mm)

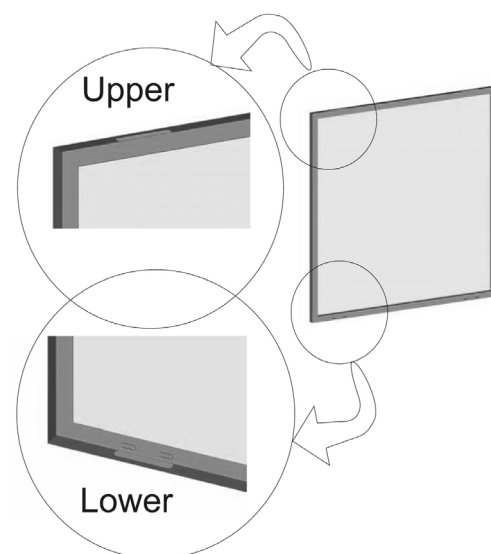
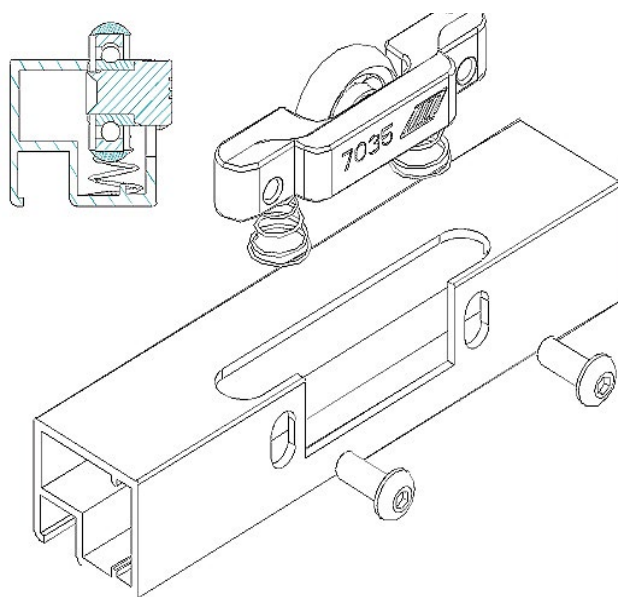
AF017 = 13/16" (21 mm)

Track Positioning & Installation



PRE-INSTALLED HARDWARE

Hardware will be pre-installed in 4 standard locations per door.



DOOR INSTALLATION

Install the back door first.

To install the door in track, insert the upper two rollers into the upper inner rail. Press the door upwards in order to go over the lower inner rail. The door will then fall into place in both upper and lower rails.

Repeat the installation with the front door.

Element Designs' aluminum frame cabinet door products are covered by a limited liability warranty from defects in material and workmanship over the functional lifetime of the doors. The warranty includes any defects in the fabricated door size, boring locations, aluminum framing flaws outside of quality standards, and glass imperfections outside of quality standards. Element Designs also warrants its doors from deterioration, discoloring, degrading, or overall changing through the course of the product's lifetime. This warranty does not apply if, in the judgment of Element Designs, the product fails due to damage from shipment, handling, storage, accident, abuse or misuse, or if it has been used or maintained in a manner not conforming to product's care instructions, has been modified in any way, or has been defaced. Repair by anyone other than Element Designs or an approved agent voids this warranty. The maximum liability of Element Designs is the product purchase price.



[@elementdesignsinc](https://www.instagram.com/elementdesignsinc)

[element-designs.com](https://www.element-designs.com)

info@element-designs.com