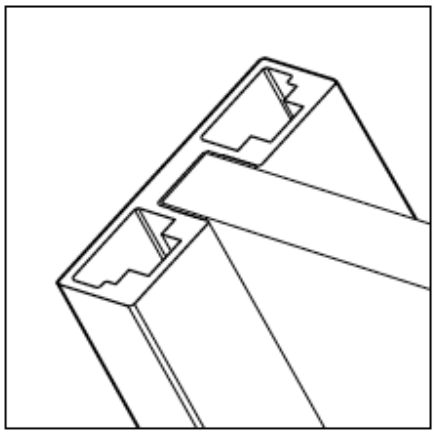
SLIDING DOOR SYSTEM_ S42 SERIES S1200

TECHNICAL BOOK



System description

Accessories

raumplus

SYSTEM DESCRIPTION_ S42 SERIES S1200

SLIDING DOOR SYSTEM

SLIDING DOOR SYSTEM_ S42 SERIES S1200

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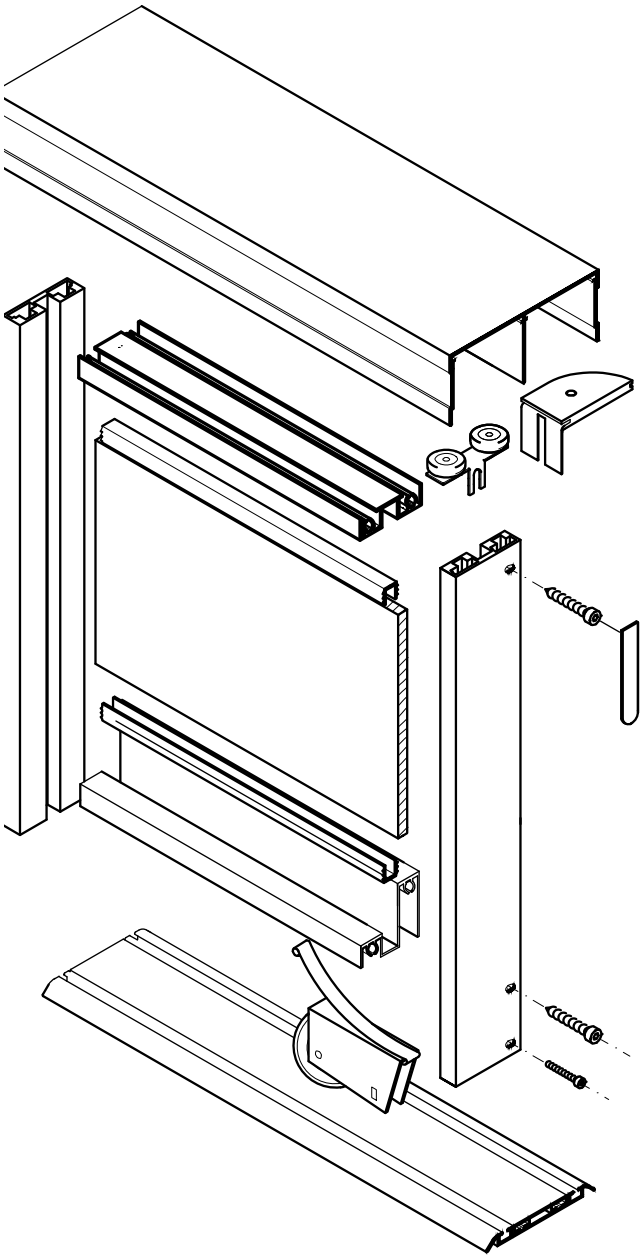


1.1_ Overview

The key features of our made-to-measure system are versatility in customization and quality of our hardware allowing for individual solutions and unparalleled operation. The S1200 S42 system is ideal for applications in commercial and residential environments.

Doors can be ordered fully assembled with our standard panel materials or as frame kits to accommodate a panel material of your choosing. Assembly of doors with
customer's own materials (COM) is available; please contact Raumplus for more information.

1.2_ Fully assembled fixed panel

Made-to-measure per specifications with the following design parameters:
_ Maximum height 3048mm [10-0"]
_ Maximum width 1829mm [6'- 0"]
_ Maximum weight 180kg [390lbs]
_ Standard finish: Clear anodized aluminum (silver)
_ Top / bottom tracks shipped 50mm [2"] over-length for trimming on-site
* Panel sizes limitations, per panel material selection
System components (quantity per panel):
Top Track
_ Top track (varies by order)
_ Positioning for top track (2)
Door
_ Top roller (2)
_ Top rail (1)
_ Stile (2)
_ Frame screw (4)
_ Plug / cover (4)
_ Brush gasket (1 stile only)
_ Panel (varies by order)
_ Panel gasket (all sides of panel)
_ Bottom rail (1)
_ Height adjustment screw (2)
_ Bottom roller (2)
Bottom track
_ Bottom track (varies by order)
_ Inset cover (for double or triple tracks only)
_ Reinforcement plate * not shown

1.3_ Frame kit

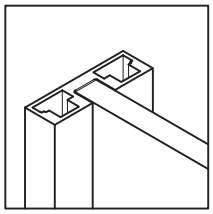
Frame kits are made-to-measure per specifications and ready for assembly using customer's own panel material. In addition to the design parameters listed for fully assembled panels, please consider the following:
Maximum height 3048mm [10'-0"]
Maximum width 1829 [6'-0"]
_ Minimum panel thickness 4mm [5/32"]
_ Maximum glass thickness 8mm [5/16"]
_ Maximum solid panel thickness 10mm [3/8"]
Appropriate panel gasket to be specified when ordering:
_ 4mm [5/32"], 5mm [3/16"], 6mm [1/4"], 7mm [9/32"], 8mm [5/16"]
Gasket not required for solid 10mm [3/8"] material

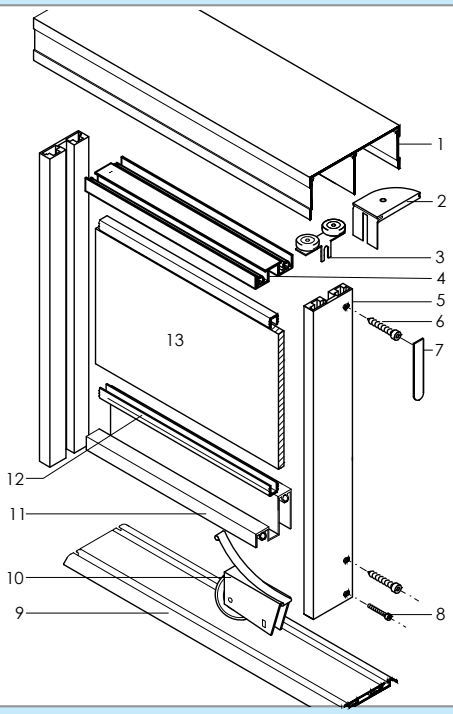
SYSTEM DESCRIPTION_ S42 SERIES S1200

SLIDING DOOR SYSTEM

2_ Profiles

2.1_ S1200 Isometric view

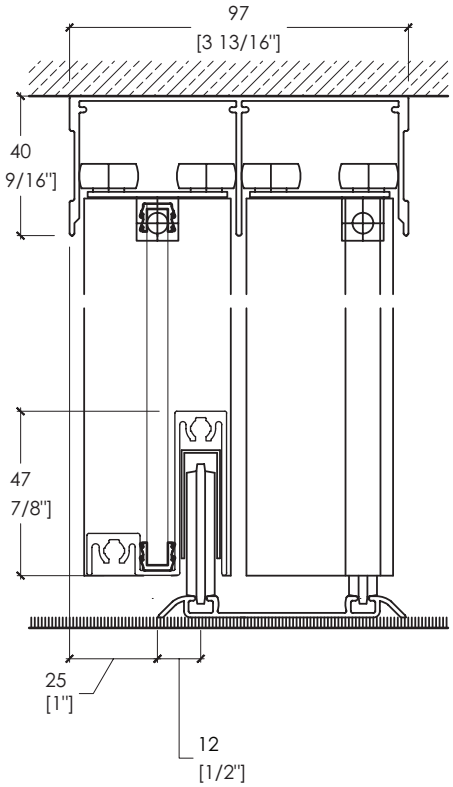




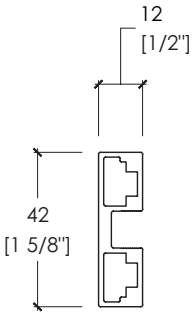
Each sliding door is composed of the following:

Top track
1_ Top track (varies by order)
2_ Positioning for top track (2)
Door
3_ Top roller (2)
4_ Top rail (1)
5_ Stile (2)
6_ Frame screw (4)
7_ Plug / cover (4)
8_Height addjustment screw (2)
9_ Bottom track (varies by order)
10_ Bottom roller (2)
11_ Bottom rail (1)
12_ Panel gasket (1)
13_Panel (varies)

S1200 Section and stile detail



S1200



S1200 Stile

Finish
Standard: Clear anodized aluminum (silver)/Matt black /
Dark Bronze (limited quanties)

Application
Residential / commercial projects
Room dividers or passage doors
* Doors do not have ablitity to telescope when used in mulitples

Dimensions
Max size 1829mm x 3048mm [6' x 10']
Max weight 180kg [390lbs]
Panel thickness 4mm [3/16"] to 10mm [3/8"] *10mm no gasket
* Door sizes limitations, per panel material selection

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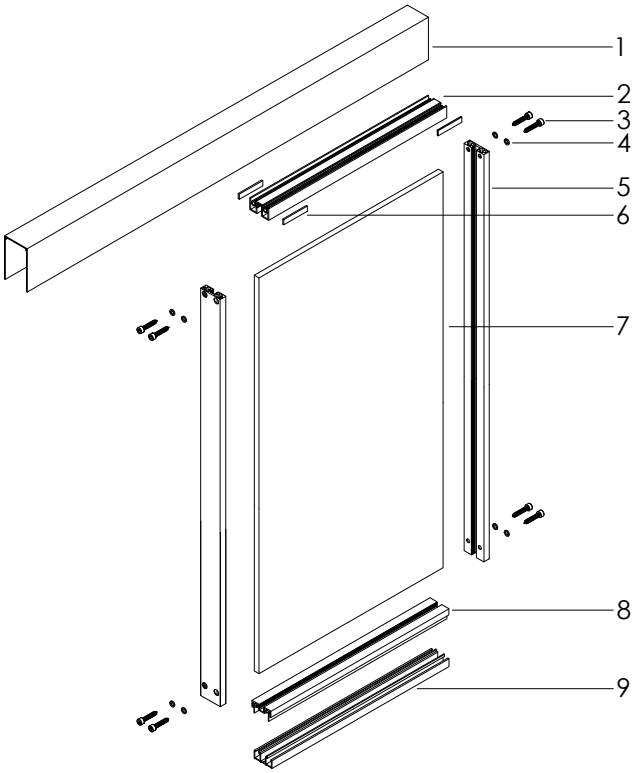


3.1_ Overview

The key features of our made-to-measure system are versatility in customization and quality of our hardware allowing for individual solutions and unparalleled operation. The S1200 Fixed panel is an ideal application for commerical and residentail.

Fixed panels can be ordered fully assembled with our standard panel materials or as frame kits to accommodate a panel material of your choosing. Assembly of doors with customer's own materials (COM) is available; please contact Raumplus for more information.

3.2_ Fully assembled door

Made-to-measure per specifications with the following design parameters:
_ Maximum height 3048mm [10-0"]
_ Maximum width 1829mm [6'- 0"]
_ Maximum weight 180kg [390lbs]
_ Standard finish: Clear anodized aluminum (silver)
_ Top / bottom tracks shipped 50mm [2"] over-length for trimming on-site
*Pamel sizes limitations, per panel material selection
System components (quantity per panel):

1_Top Track (flat shown)
2_ S1200 Top rail
3_ Frame screw
4_ Washer
5_ S1200 Stile
6_ Fuzzy gasket
7_ Panel (varies by order)
8_ S1200 Bottom rail
9_S1200 Ground connection
Not shown: Panel gasket

3.3_ Frame kit

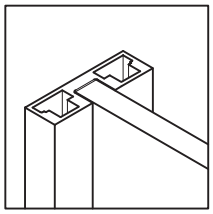
Frame kits are made-to-measure per specifications and ready for assembly using customer's own panel material. In addition to the design parameters listed for fully assembled doors, please consider the following:
Maximum height 3048mm [10'-0"]
Maximum width 1829 [6'-0"]
_ Minimum panel thickness 4mm [5/32"]
_ Maximum glass thickness 8mm [5/16"]
_ Maximum solid panel thickness 10mm [3/8"]
Appropriate panel gasket to be specified when ordering:
_ 4mm [5/32"], 5mm [3/16"], 6mm [1/4"], 7mm [9/32"], 8mm [5/16"]
Gasket not required for solid 10mm [3/8"] material

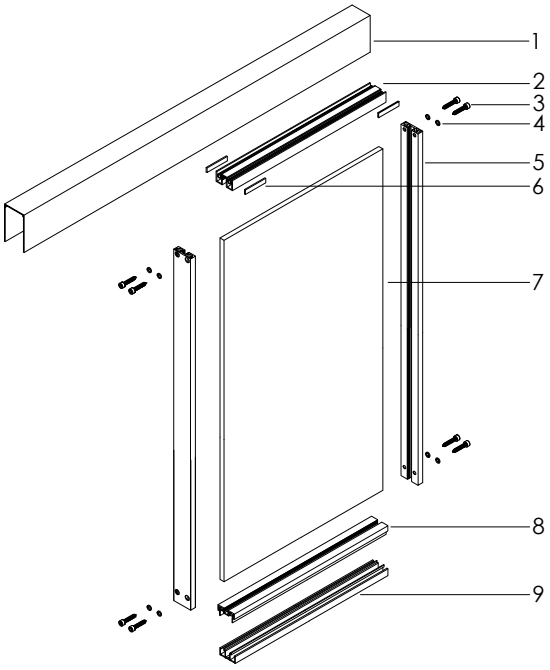
SYSTEM DESCRIPTION_ S42 SERIES S1200 FIXED

FIXED PANEL SYSTEM

4_ Profiles

4.1_ S1200 Isometric view

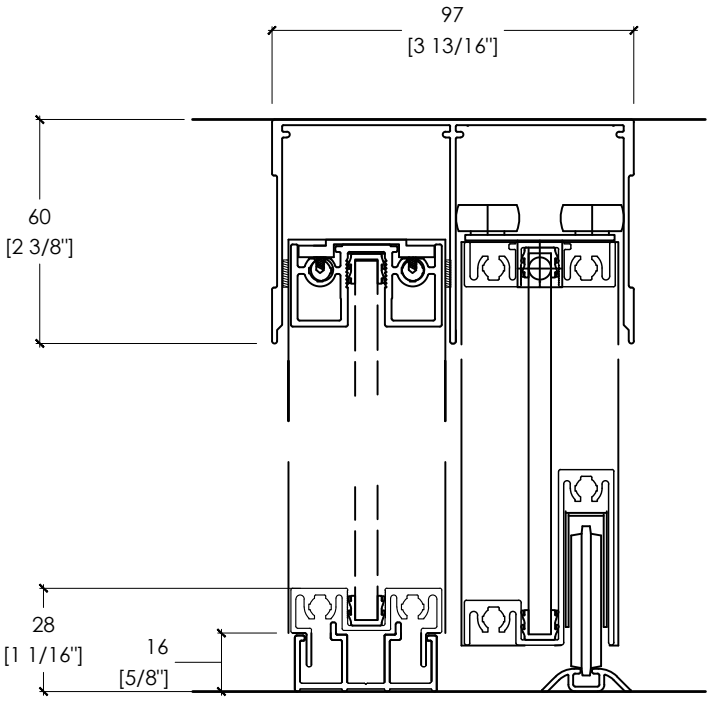




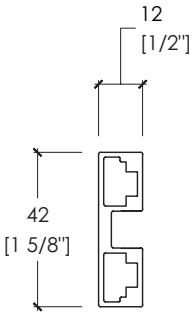
Each fixed panel is composed of the following:

1_Top Track (flat shown)
2_ S1200 Top rail
3_ Frame screw
4_ Washer
5_ S1200 Stile
6_ Fuzzy gasket
7_ Panel (varies by order)
8_ S1200 Bottom rail
9_S1200 Ground connection
Not shown: Panel gasket

S1200 Section and stile detail



Profile S1200



S1200 Stile

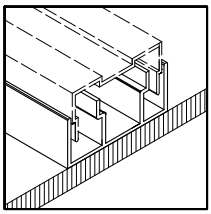
Finish
Standard: Clear anodized aluminum (silver)/Matt black /
Dark Bronze (limited quanties)

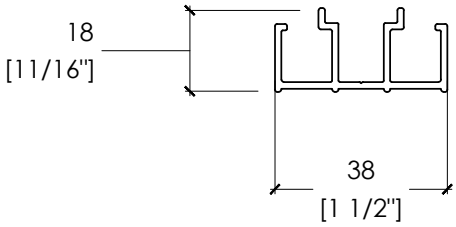
Application
Residential / commercial projects

Dimensions
Max size 1829mm x 3048mm [6' x 10']
Max weight 180kg [390lbs]
Panel thickness 4mm [3/16"] to 10mm [3/8"],10mm without gasket
*Use fuzzy gasket where the panel meets wall.
*Best used as single panel with single sliding door. Not recomended for larger spans. See S42 S1600 fixed panel for mulitple panels.
*See Diagrams for recessing top track

5_ Accessories, Fixed

5.1_ S42 Ground connection profile





12.30.020 - Standard, silver
12.30.030 - Dark bronze
12.30.065 - Mat black

Ground connection profile

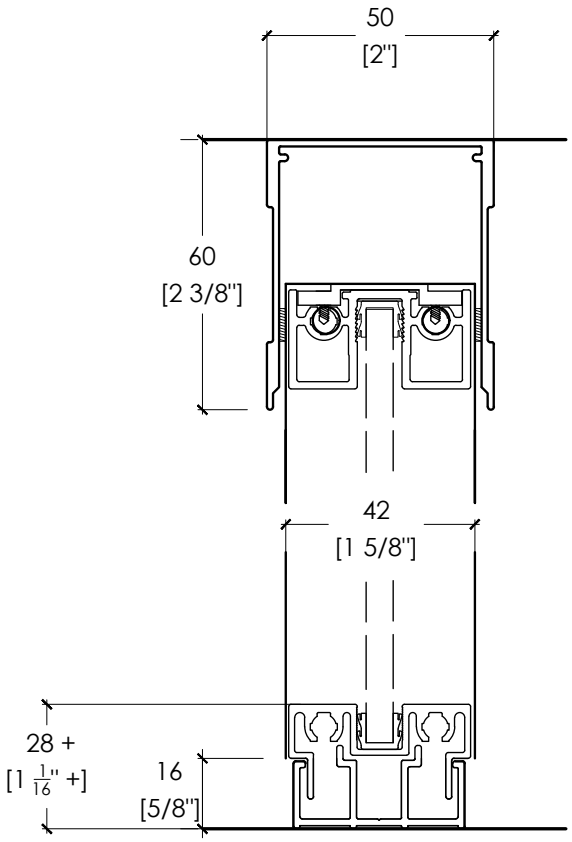
Finish
Standard, Dark bronze, Mat black

Description
Adjustable base for S1200 fixed panel.

See diagram detail 6.1

6_Detail

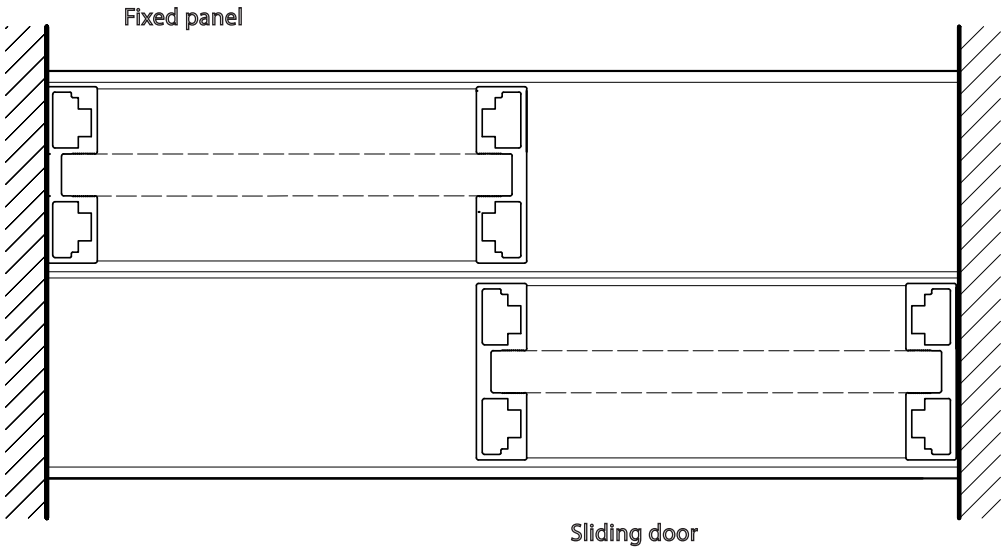
6.1_ Detail ground connection

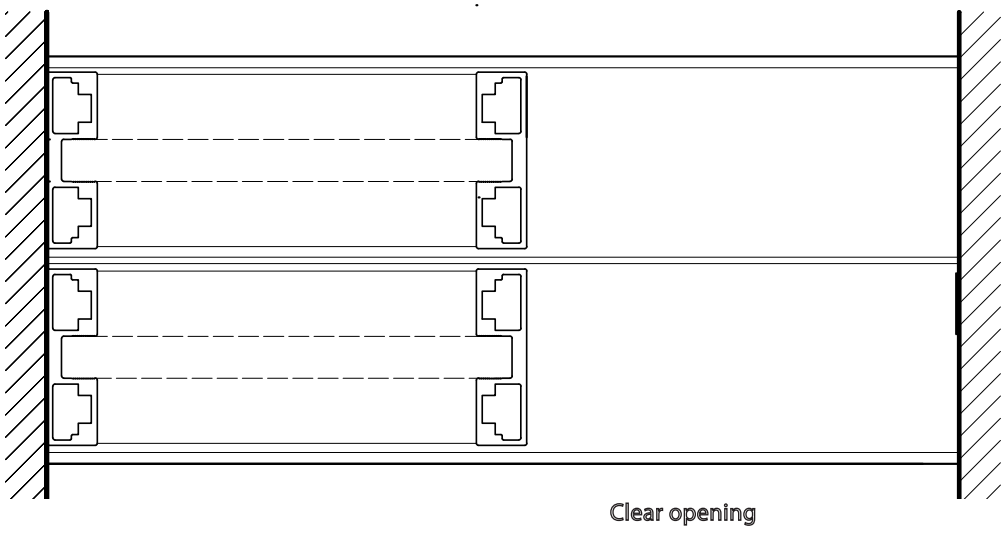


Description:
Ground plate connection allows the S1200 AIR panel to be fixed, using the ground connection plate. Ground connection plate is affixed to the floor with screws (not provided). S1200 fixed panel can be adjusted up or leveled with with shims placed between the bottom rail and the grund connection plate.

7_Diagram / 1200 Fixed

7.1 S1200 fixed and sliding door





7.2_ 1200 Fixed panel and S42 sliding door alignment notes:

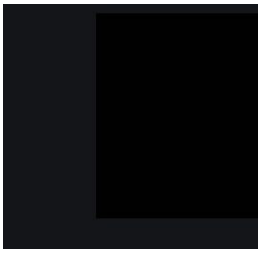
Single fixed panels only. Not suitable for multiple panels, see S1600 panels if longer runs are needed. Use fuzzy gasket where panel meets the wall.

8_ Profile finishes

8.1_ Standard finish _ Clear anodized aluminum (silver)

A factory applied finish, anodizing increases wear resistance and gives the surface a smooth matte aluminum appearance. Color for representation purposes only.

Powder coat finish applied

				
Silver Standard finish Clear anodized (silver)	Black Powder coat Mat finish	Dark Bronzze Anodized Limited avallability		

SYSTEM DESCRIPTION_ S42

SLIDING DOOR SYSTEM

9_ Panels

9.1_ MDF

Medium density fiberboard (MDF) is an engineered wood product made of wood fibers, wax and resin. MDF is an ideal surface for painting, application of direct glue wall-covering, or a base for upholstered panels. Maximum size 1219mm x 2438mm [4'-0" x 8'-0"]. Colors for representation purposes only.

MDF 10mm [1/4"]				

9.2_ Magnetic marker board

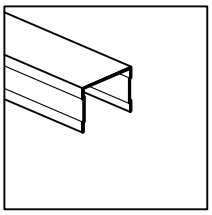
Porcelain enamel coated magnetic marker board is a white dry erase board. Maximum size 1219mm x 2438mm [4'-0" x 8'-0"]. Avaliable as single or double sided. Colors for representation purposes only.

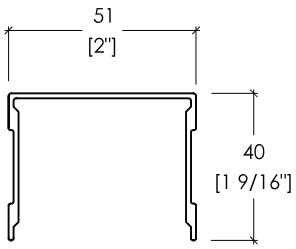
6mm [1/4"]				

9.3_ Laminated glass				
Laminated glass, often referred to as "safety glass", is strong and durable and designed to maintain its integrity in the event of breakage. Maximum size 1829mm x 3048mm [6' x 10']. Polar white maximum size: 1524 x2743 [5'x9'] May contain glass manufacturer safety mark				
Clear 6mm [1/4"]	Diffused white 6mm [1/4"]	Polar White 6mm [1/4"]		
9.4_ Tempered glass				
Tempered glass is manufactured to exact size and is stronger than regular glass. If broken the glass shatters into small fragments instead of sharp shards. Maximum size 1524mm x 2438mm [5'-0" x 8'-0"]. Colors for representation purposes only. May contain glass manufacturer safety mark				
Clear 6mm [1/4"]	Satin etched 6mm [1/4"]			
9.5_ Mirrored glass				
Silver mirror backed with a safety film. Single-sided mirror only, best used for closets. Maximum size 1219mm x 3048mm [4'-0" x 8'-0"]. Colors for representation purposes only.				
Mirror 5mm [3/16"]				

10_ Top tracks

10.1_ S42 Single top track





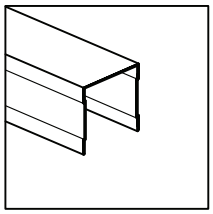
14.15.020

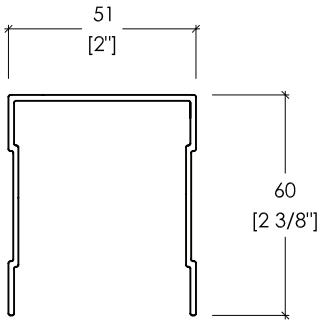
S42 Single top track

Finish
Standard

Description
Ceiling- or wall-mounted (add wall-mounted bracket and wall-mounted end caps)
Max length 4877mm [16'-0"]

10.2_ S42 Single top track, 60mm





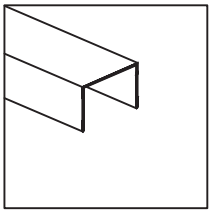
14.65.020 - silver
14.65.050 - dark bronze

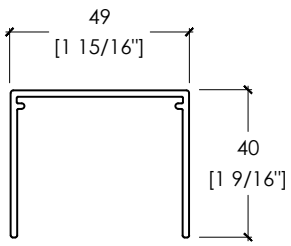
S42 Single top track, 60mm

Finish
Standard, Bronze

Description
Ceiling- or wall-mounted (add wall-mounted bracket)
Max length 4877mm [16'-0"]
Use when extra adjustability is needed or with soft close brake.
*No end cap available

10.3_S42 Single top track, flat





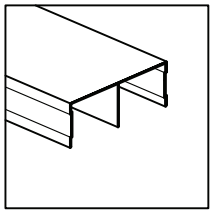
12.15.065

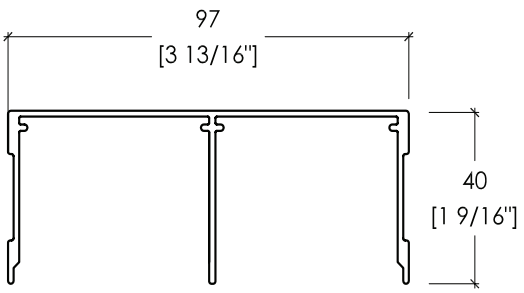
S42 Single top track, flat

Finish
Mat black

Description
Ceiling-mounted only
Max length 4877mm [16'-0"]

10.4_ S42 Double top track





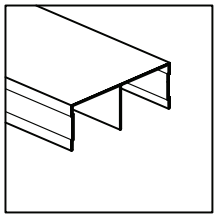
14.05.020

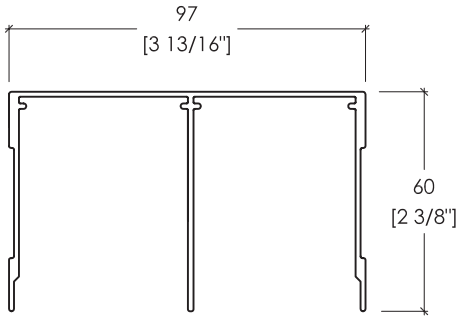
S42 Double top track

Finish
Standard

Description
Ceiling-mounted only
Max length 4877mm [16'-0"]
Use when extra adjustability is needed or with soft close brake.
*No end cap available

10.5_ S42 Double top track, 60mm





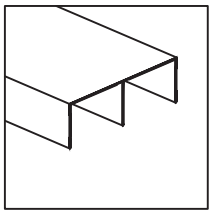
14.85.020 - silver
14.85.050 - dark bronze

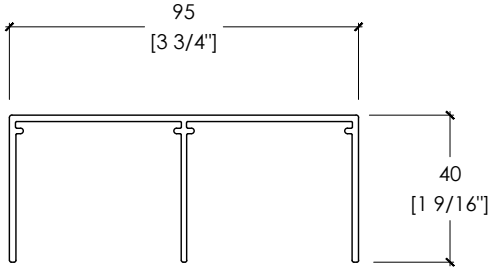
S42 Double top track, 60mm

Finish
Standard, Dark bronze

Description
Ceiling-mounted only
Max length 4877mm [16'-0"]

10.6_ S42 Double top track, flat





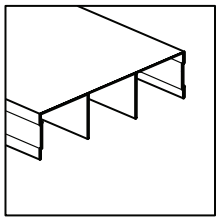
12.05.065

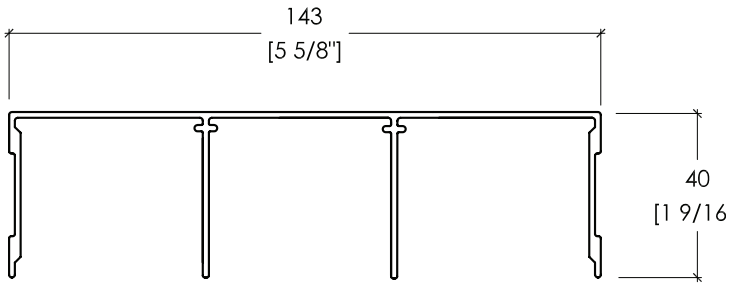
S42 Double top track, flat

Finish
Mat black

Description
Ceiling-mounted only
Max length 4877mm [16'-0"]

10.7_ S42 Triple top track





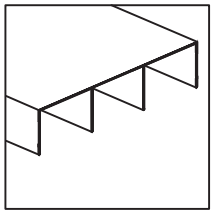
14.35.020

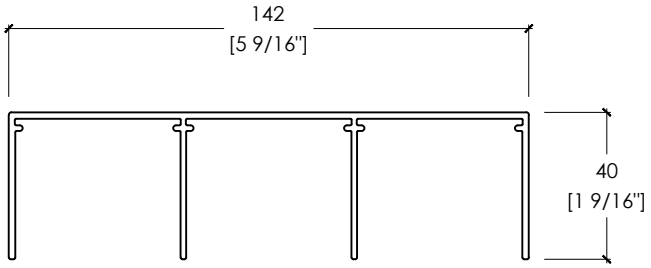
S42 Triple top track

Finish
Standard

Description
Ceiling-mounted only
Max length 4877mm [16'-0"]
Use when extra adjustability is needed or with soft close brake.
*No end cap available

10.8_ S42 Triple top track, flat





12.35.065

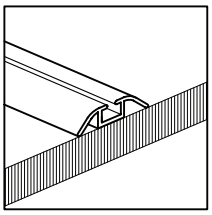
S42 Triple top track, flat

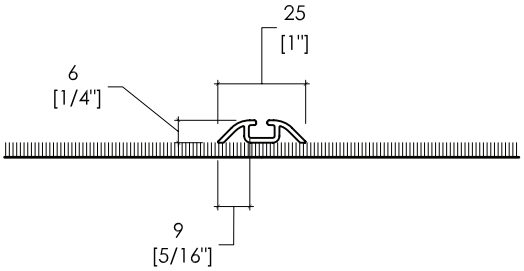
Finish
Mat black

Description
Ceiling-mounted only
Max length 4877mm [16'-0"]

11_ Bottom tracks

11.1_ S42 Single surface-mounted bottom track





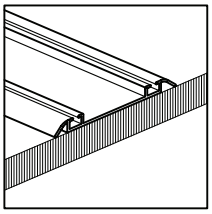
14.56.020 - Silver
14.56.065 - Mat black
14.56.050 - Dark bronze

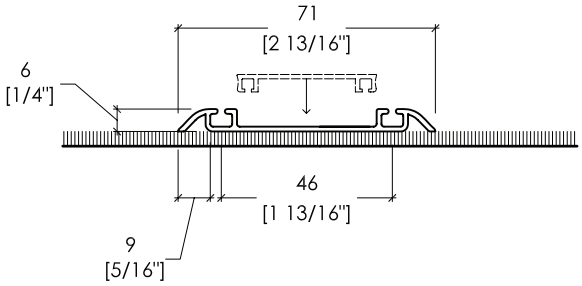
S42 Single surface-mounted bottom track

Finish
Standard, Mat black, Dark bronze

Description
Provided with adhesive backing
Max length 4877mm [16'-0"]
*ADA compliant, verify with local jurisdictions

11.2_ S42 Double surface-mounted bottom track





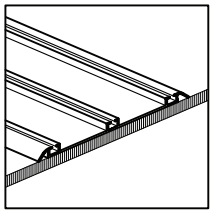
14.06.020

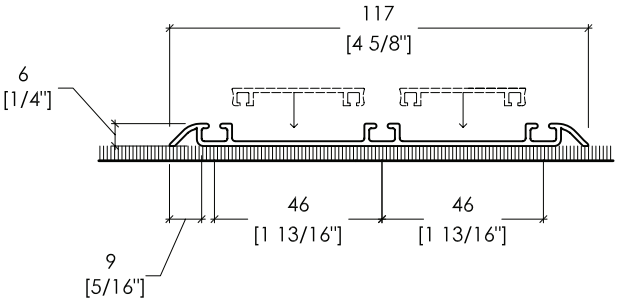
S42 Double surface-mounted bottom track

Finish
Standard

Description
Provided with adhesive backing
Inset cover sold separately
Max length 4877mm [16'-0"]
*ADA compliant, verify with local jurisdictions

11.3_ S42 Triple surface-mounted bottom track





14.33.020 - Silver
14.33.065 - Mat black

S42 Triple surface-mounted bottom track

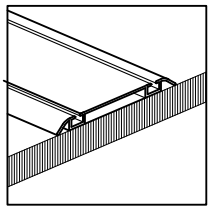
Finish
Standard, Mat black

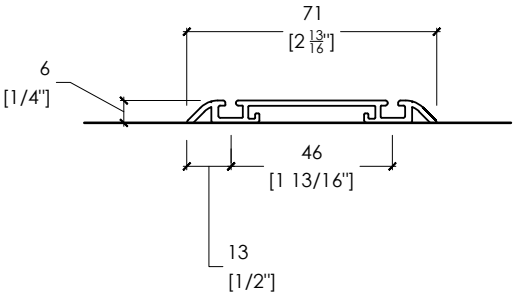
Description
Provided with adhesive backing
Inset covers sold separately
Max length 4877mm [16'-0"]
*ADA compliant, verify with local jurisdictions

SYSTEM DESCRIPTION_ S42 SERIES S1200

SLIDING DOOR SYSTEM

11.4_ S42 Double surface bottom track





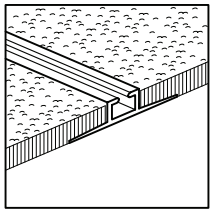
14.08.020 - Silver
14.08.065 - Mat black
14.08.050 - Dark bronze

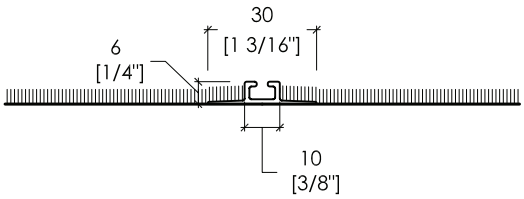
S42 Double surface closed track

Finish
Standard, Mat black, Dark bronze

Description
Provided with adhesive backing
Max length 4877mm [16'-0"]
*ADA compliant, verify with local jurisdictions

11.5_ S42 Single carpet bottom track





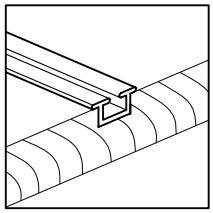
14.76.020 - Silver
14.46.065 - Black

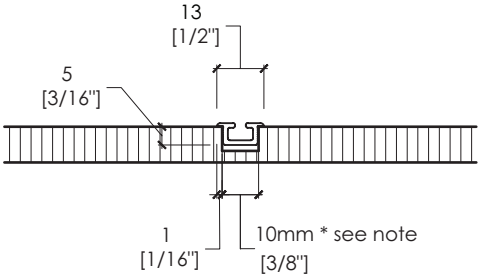
S42 Single carpet bottom track

Finish
Standard, Black

Description
Max length 4877mm [16'-0"]
*Use 10mm router bit
*ADA compliant, verify with local jurisdictions

11.6_ S42 Single insert bottom track





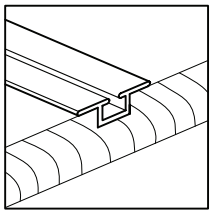
14.76.020 - Silver
14.76.065- Mat black

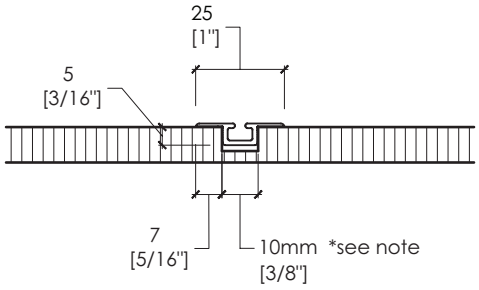
S42 Single insert bottom track

Finish
Standard, Black

Description
Max length 4877mm [16'-0"]
*Use 10mm router bit
*ADA compliant, verify with local jurisdictions

11.7_ S42 Single insert bottom track, 25mm





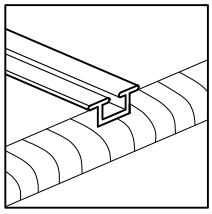
14.49.020

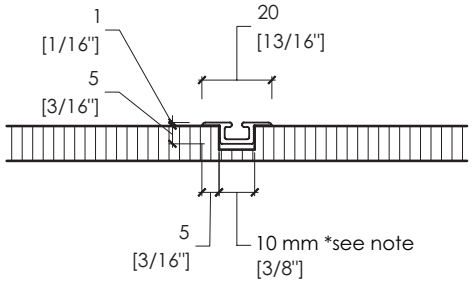
S42 Single insert bottom track, 25mm

Finish
Standard

Description
Inset cover sold separately
Max length 4877mm [16'-0"]
*ADA compliant, verify with local jurisdictions

11.8_ S42 Single Insert bottom traack, 20mm





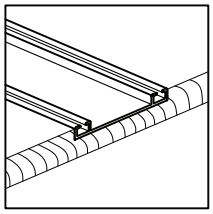
14.48.020 - Silver
14.48.050 - Dark bronze

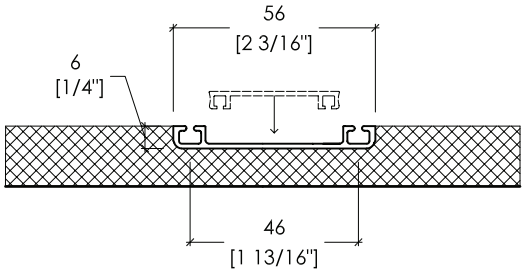
S42 Single insert bottom track, 20mm

Finish
Standard, Dark bronze

Description
Inset cover sold separately
Max length 4877mm [16'-0"]
*ADA compliant, verify with local jurisdictions

11.9_ S42 Double insert





14.66.020

S42 Double insert bottom track

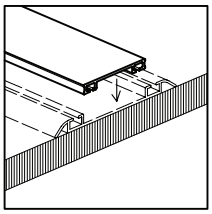
Finish
Standard

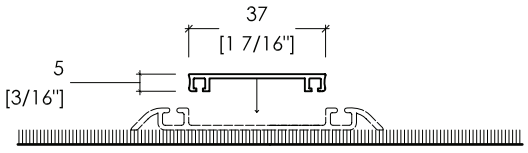
Description
Inset cover sold separately
Max length 4877mm [16'-0"]
*ADA compliant, verify with local jurisdictions

SYSTEM DESCRIPTION_ S42 SERIES S1200

SLIDING DOOR SYSTEM

11.10_ S42 Inset cover for bottom track





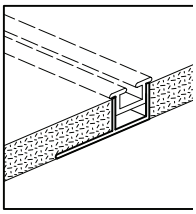
14.16.020

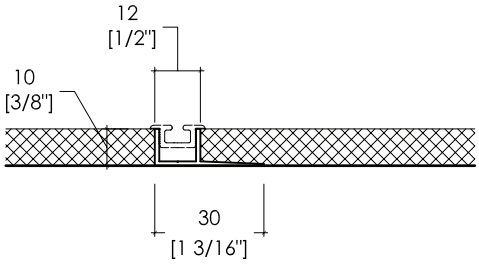
S42 Inset cover for bottom track

Finish
Standard

Description
Cover fits between double or triple tracks
Max length 4877mm [16'-0"]
*Flooring material may be substituted for cover

11.11_ S42 Tile channel





14.77.010

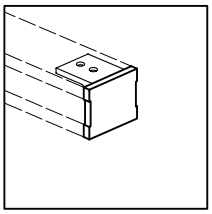
S42 Tile channel

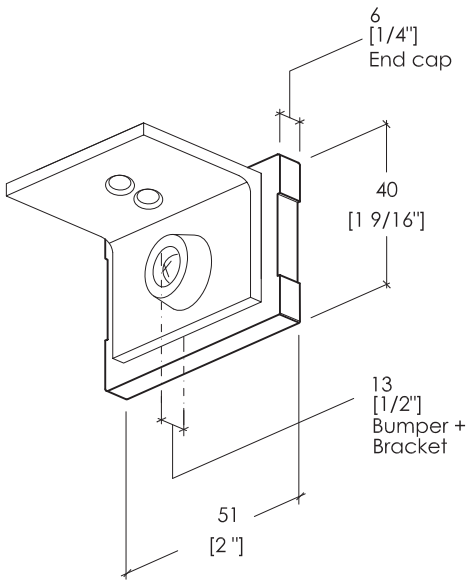
Finish
Raw aluminum

Description
Use in conjunction with single insert track for tile or carpeted surfaces
Max length 4877mm [16'-0"]

12_ Accessories

12.1_ S42 End cap for single top track / ceiling-mounted





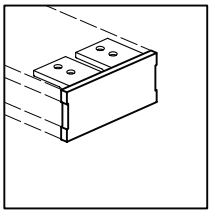
10.08.291
includes 1 x 10.08.491

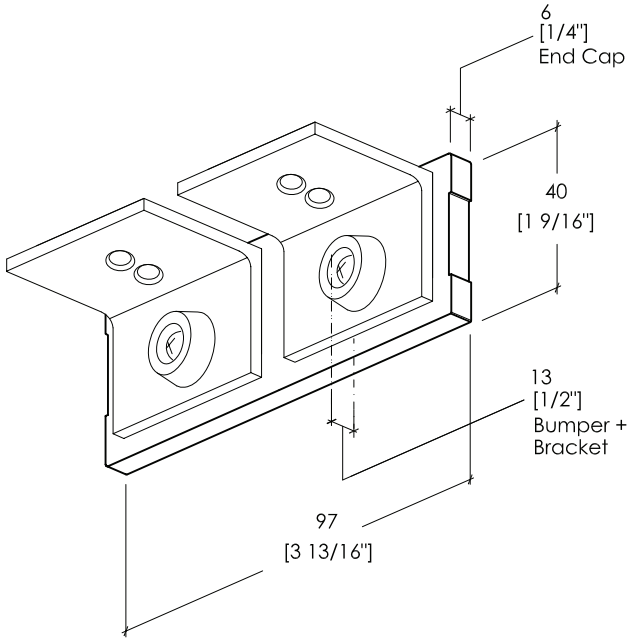
S42 End cap for single top track / ceiling-mounted

Finish
Standard

Description
For ceiling-mounted top tracks
Includes (1) single end cap (1) zinc bracket, (1) bumper, and (1) screw
Add 13mm [1/2"] extra track when using end cap
Ceiling fasteners not included

12.2_ S42 End cap for double top track / ceiling-mounted





10.08.292
includes 2 x 10.08.491

S42 End cap for double top track / ceiling-mounted

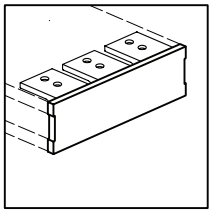
Finish
Standard

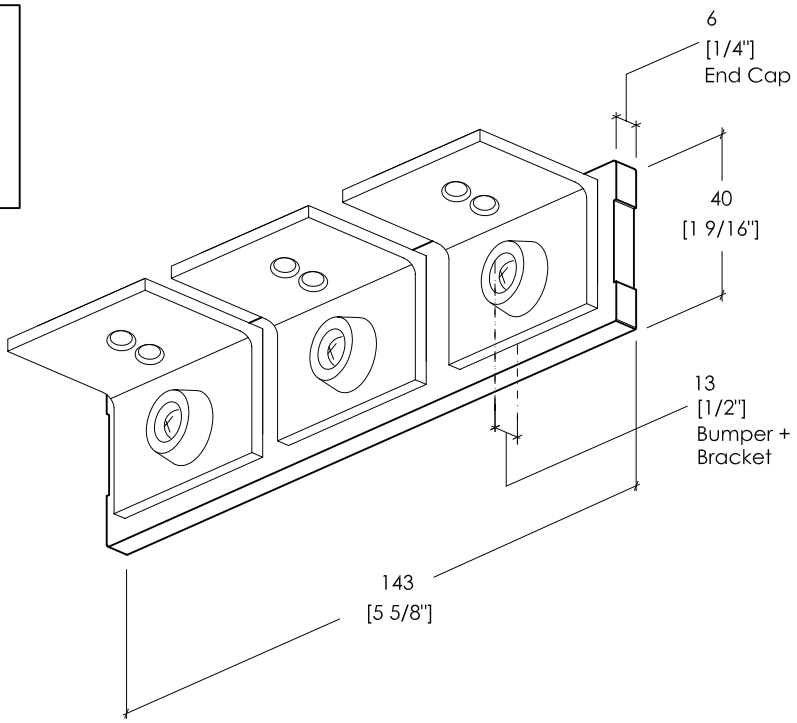
Description
For ceiling-mounted top tracks
Includes (1) double end cap, (2) zinc brackets, (2) bumpers, and (2) screws
Add 13mm [1/2"] extra track when using end cap
Ceiling fasteners not included

SYSTEM DESCRIPTION_ S42 SERIES S1200

SLIDING DOOR SYSTEM

12.3_ S42 End cap for triple top track / ceiling-mounted





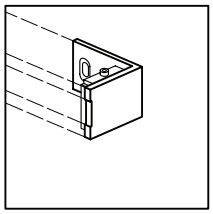
10.08.293
includes 3 x 10.08.491

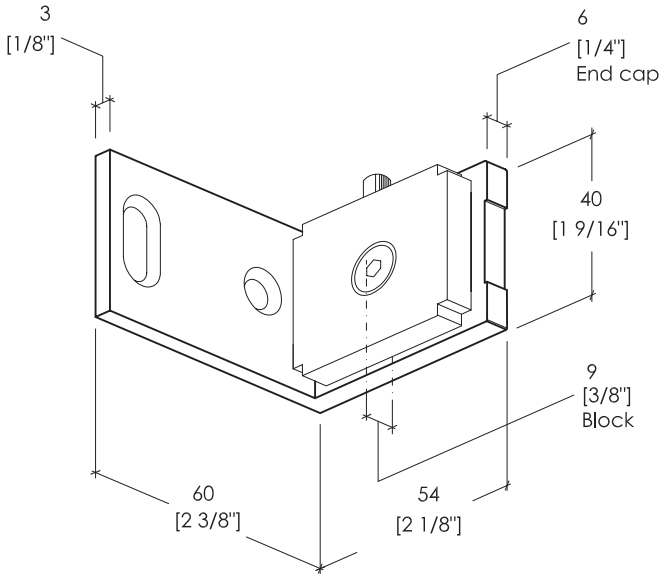
S42 End cap for triple top track / ceiling-mounted

Finish
Standard

Description
For ceiling-mounted top tracks
Includes (1) triple end cap (3) zinc brackets, (3) bumpers, and (3) screws
Add 13mm [1/2"] extra track when using end cap
Ceiling fasteners not included

12.4_ S42 End cap for single top track / wall-mounted





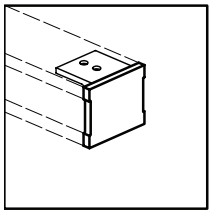
10.08.191

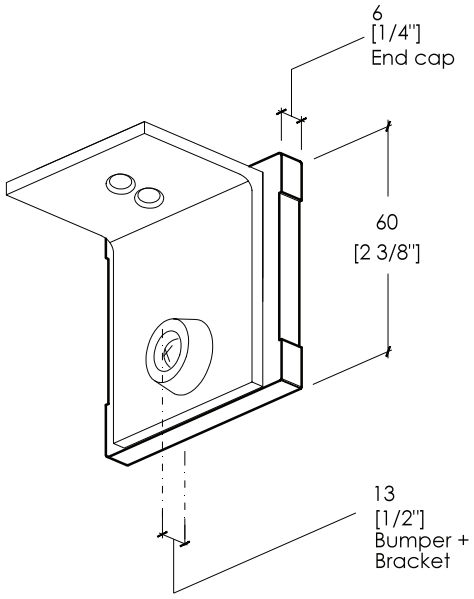
S42 End cap for single top track / wall-mounted

Finish
Standard

Description
For wall-mounted top tracks, (available for single top tracks only)
Includes (1) wall-mounted end cap, (1) stop block, (1) block-to-end cap screw, (1) block-to-top track screw
Add 9mm [3/8"] extra track when using end cap
Wall fasteners not included
*Interchangeable L and R

12.5_ S42 End cap for single top track, 60mm / ceiling-mounted





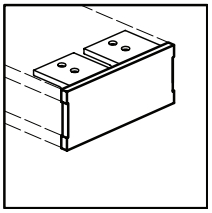
10.08.341
includes 1 x 10.08.297

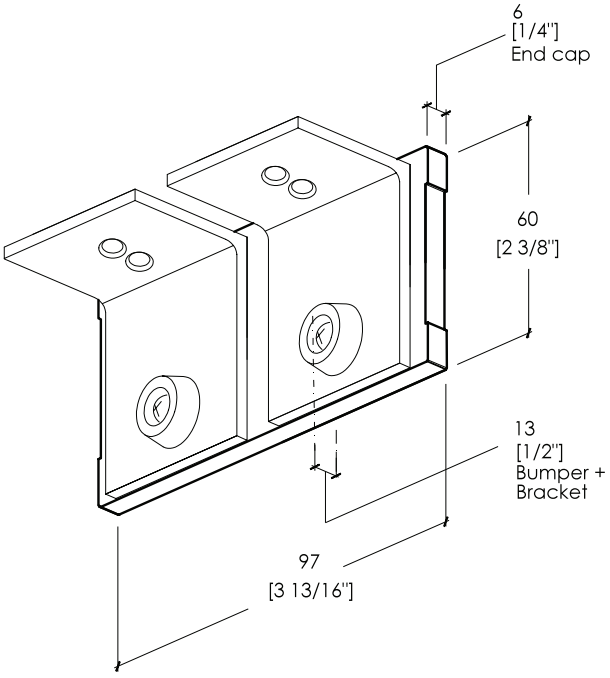
S42 End cap for single top track, 60mm / ceiling-mounted

Finish
Standard

Description
For ceiling-mounted top tracks
Includes (1) single end cap (1) zinc brackets, (1) bumpers, and (3) screws
Add 13mm [1/2"] extra track when using end cap
Ceiling fasteners not included

12.6_ S42 End cap for double top track, 60mm / ceiling-mounted





10.08.342
includes 2 x 10.08.297

S42 End cap for single top track / wall-mounted

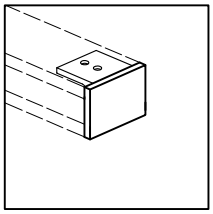
Finish
Standard

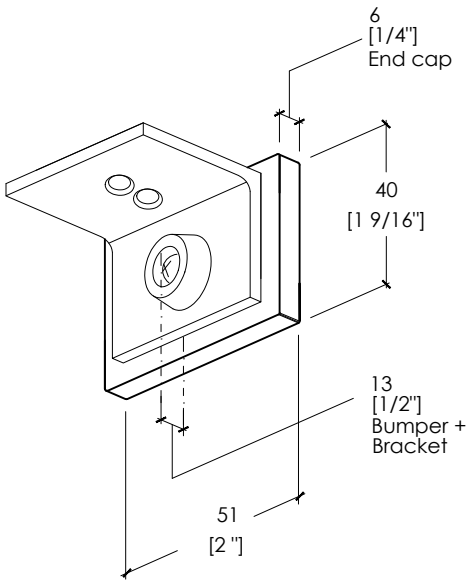
Description
For wall-mounted top tracks, (available for single top tracks only)
Includes (1) wall-mounted end cap, (1) stop block, (1) block-to-end cap screw, (1) block-to-top track screw
Add 9mm [3/8"] extra track when using end cap
Wall fasteners not included
*Interchangeable L and R

SYSTEM DESCRIPTION_ S42 SERIES S1200

SLIDING DOOR SYSTEM

12.7_ S42 End cap for single top track, 40mm / flat / ceiling-mounted





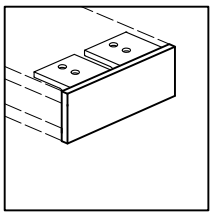
10.09.197
includes 1 x 10.08.297

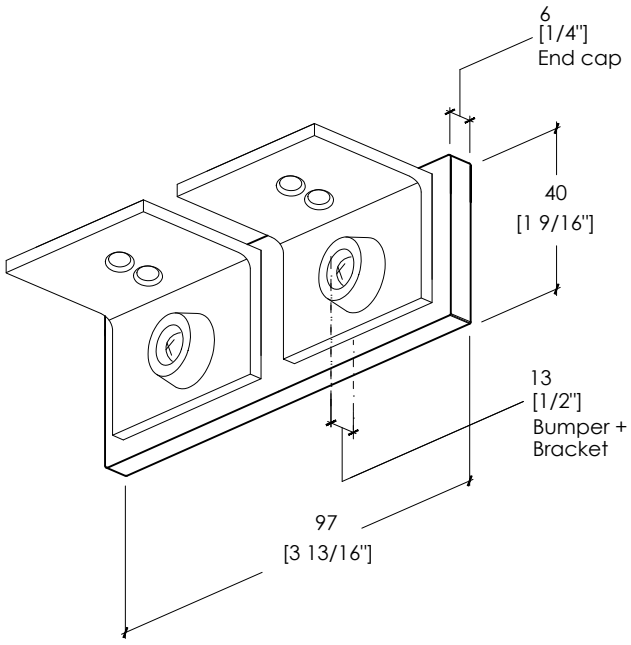
S42 End cap for single top track, 40mm / flat /ceiling-mounted

Finish
Mat black

Description
For ceiling-mounted top tracks
Includes (1) single end cap (1) zinc brackets, (1) bumpers, and (3) screws
Add 13mm [1/2"] extra track when using end cap
Ceiling fasteners not included

12.8_ S42 End cap for double top track, 40mm / flat / ceiling-mounted





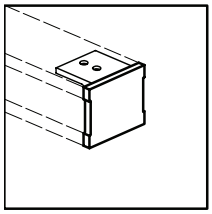
10.09.297
includes 2 x 10.08.297

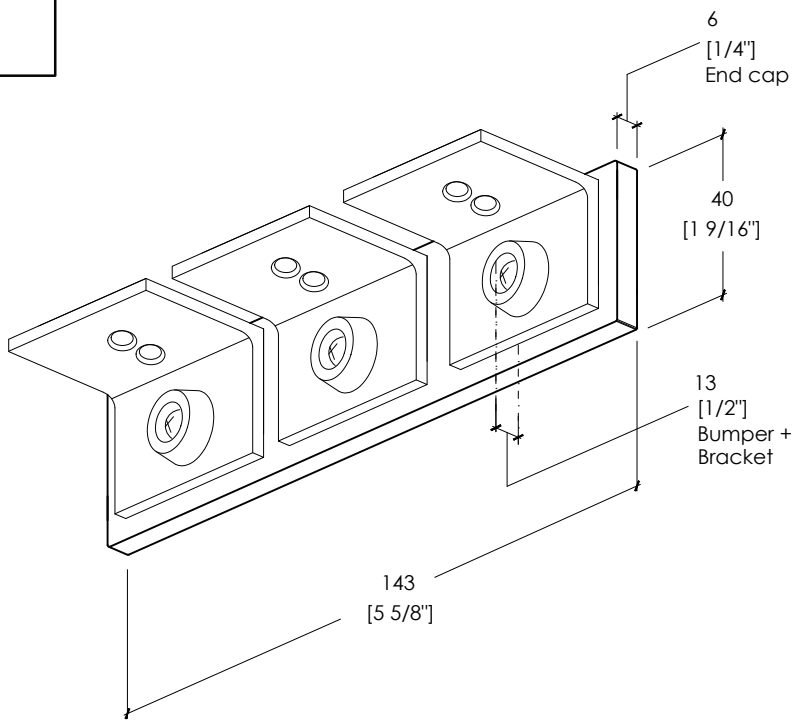
S42 End cap for double top track / flat / wall-mounted

Finish
Mat black

Description
For wall-mounted top tracks, (available for single top tracks only)
Includes (1) wall-mounted end cap, (1) stop block, (1) block-to-end cap screw, (1) block-to-top track screw
Add 9mm [3/8"] extra track when using end cap
Wall fasteners not included
*Interchangeable L and R

12.9_ S42 End cap for triple top track, 40mm / flat / ceiling-mounted





10.09.397
includes 1 x 10.08.297

S42 End cap for triple top track,
40mm / flat / ceiling-mounted

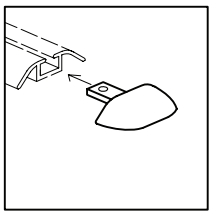
Finish
Mat black

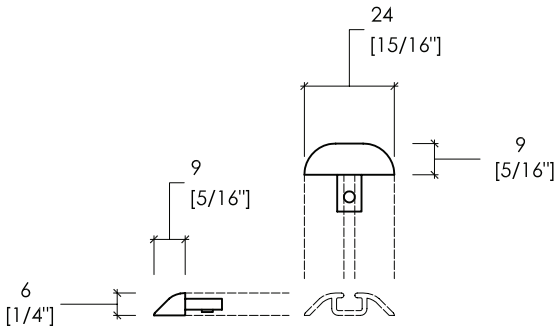
Description
For ceiling-mounted top tracks
Includes (1) single end cap (1) zinc brackets, (1) bumpers, and
(3) screws
Add 13mm [1/2"] extra track when using end cap
Ceiling fasteners not included

SYSTEM DESCRIPTION_ S42 SERIES S1200

SLIDING DOOR SYSTEM

12.10_ S42 End cap for single surface-mounted bottom track





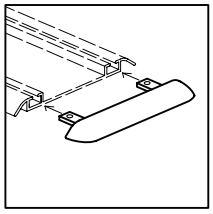
10.09.081 - Silver
10.09.072 - Mat black laquer

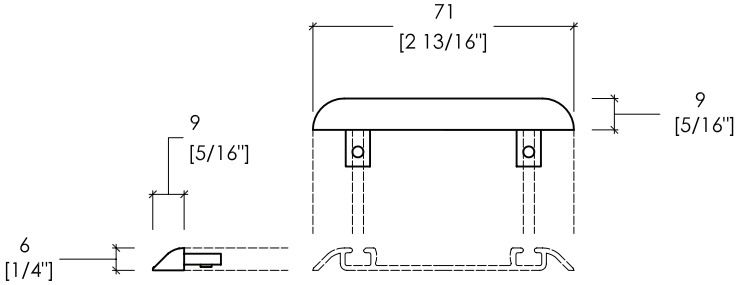
S42 End cap for single surface-mounted bottom track

Finish
Standard, Mat black

Description
Includes (1) single end cap, (1) set screw

12.11_ S42 End cap for double surface-mounted bottom track





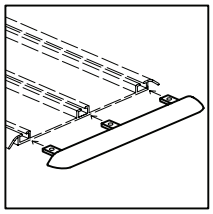
10.09.092 - Silver
10.09.097 - Mat black laquer

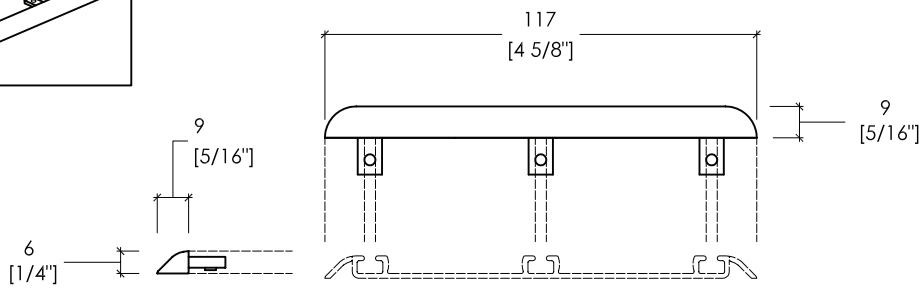
S42 End cap for double surface-mounted bottom track

Finish
Standard, Mat black

Description
Includes (1) double end cap, (2) set screws

12.12_ S42 End cap for triple surface-mounted bottom track





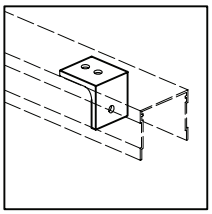
10.09.093 - Silver
10.09.101 - Mat black laquer

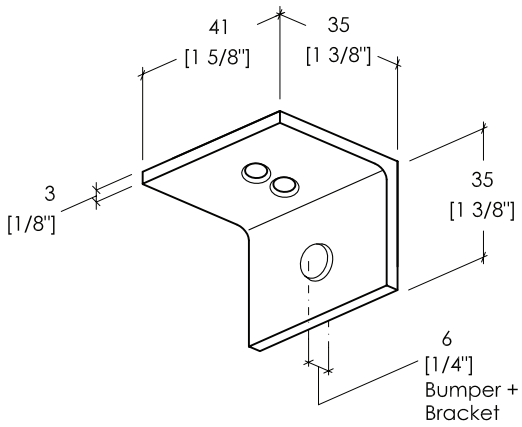
S42 End cap for triple surface-mounted bottom track

Finish
Standard, Mat black

Description
Includes (1) triple end cap, (3) set screws

12.13_ S42 Stopper for top track, 40mm





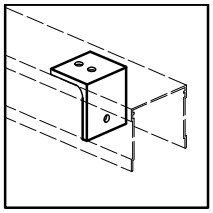
10.08.491

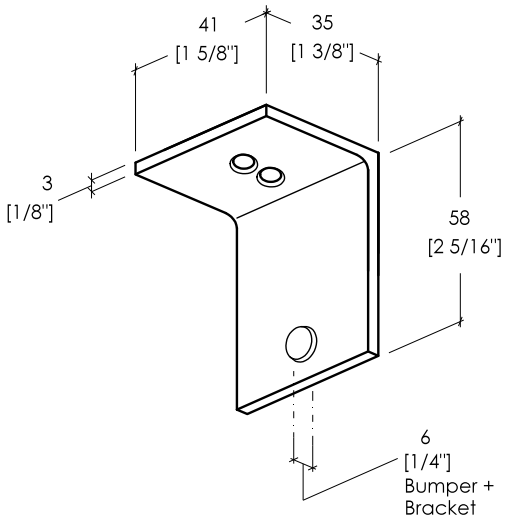
S42 Stopper for top track

Finish
Zinc bracket

Description
Clear silicone bumper included
Ceiling fasteners not included
Stops door in desired location along track

12.14_ S42 Stopper for top track, 60mm





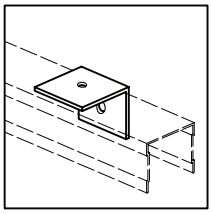
10.08.191

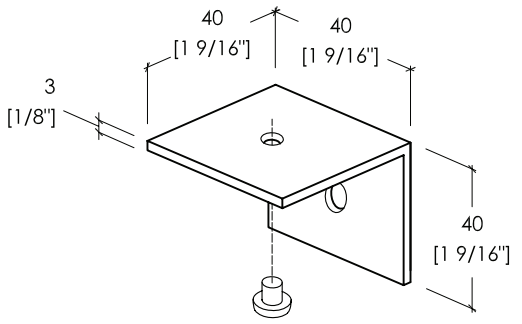
S42 Positioning for top track, 60mm

Finish
Zinc bracket

Description
Clear silicone bumper included
Ceiling fasteners not included
Stops door in desired location along track

12.15_ L-bracket for wall-mounted top track





10.08.170

L-bracket for wall-mounted top track

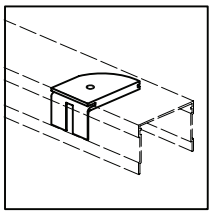
Finish
Standard

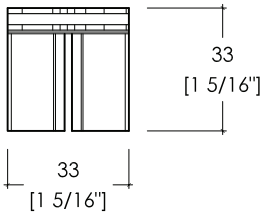
Description
Wall-mounted bracket for S42 top track (single track only)
Includes track-to-bracket screw
Wall fastener not included
Wall-mount for single doors only

SYSTEM DESCRIPTION_ S42 SERIES S1200

SLIDING DOOR SYSTEM

12.16_ S42 Positioning for top track





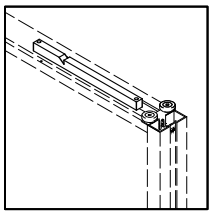
10.01.027

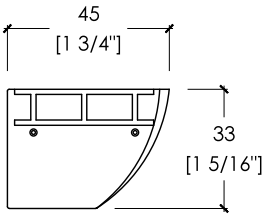
S42 Positioning for top track

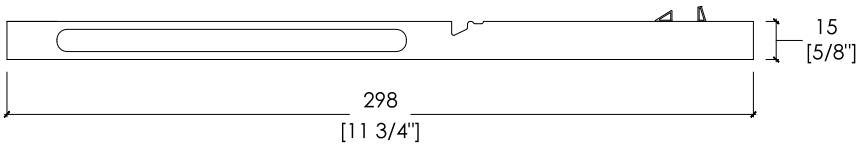
Finish
Clear plastic

Description
Holds door in desired location along track

12.17_ S42 Soft close brake







Brake
10.01.360 for 10-30kg [0-66lbs]
10.01.370 for 31-60kg [0-132lbs]
Positioning for top track
10.01.393 for 40mm top track
10.01.394 for 60mm top track

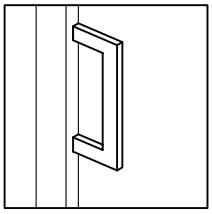
Soft close brake

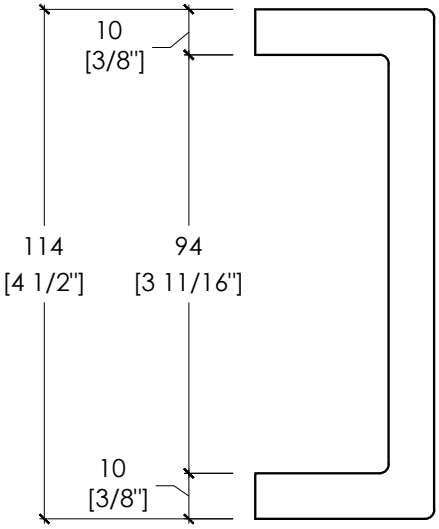
Finish
Black plastic / clear plastic

Description

Soft close dampening system for use on doors 5-80 kg [22lbs to maximum 176lbs]
*Best used with 60mm top track, can be used with 40mm but does not allow as much adjustment.

12.18_ Half rectangle applied handle





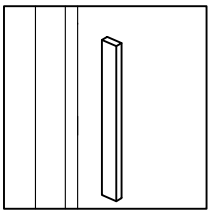
10.01.093 (silver)
10.01.105 (mat black laquer)

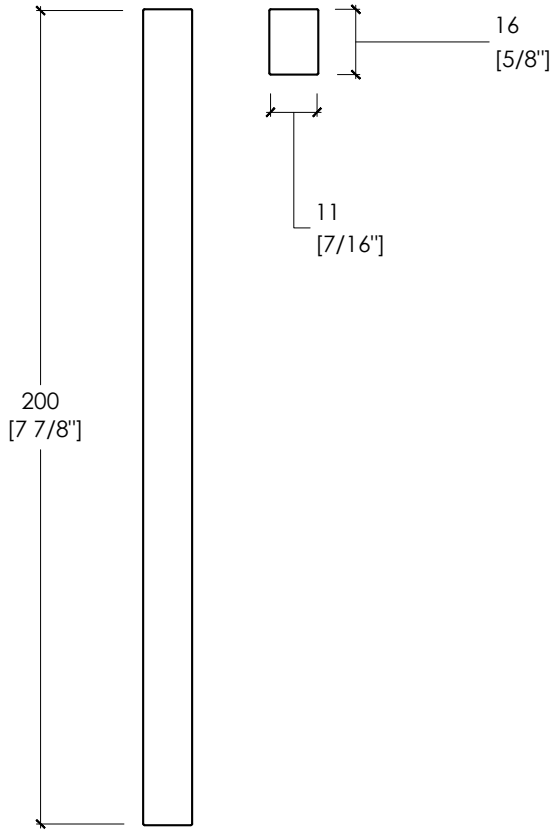
Half rectangle applied handle

Finish
Standard, mat black laquer

Description
Provided with adhesive backing

12.19_ Single-sided applied dividing rail





10.01.911 (silver)
10.01.915 (mat black laquer)
10.01.913 (dark bronze)

rectangular handle, applied

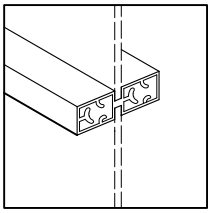
Finish
Standard, ,mat black laquer

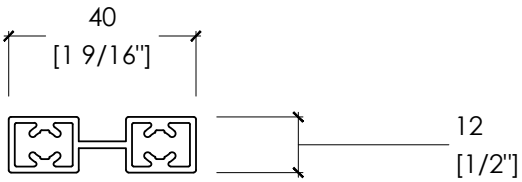
Description
Provided with adhesive backing

SYSTEM DESCRIPTION_ S42 SERIES S1200

SLIDING DOOR SYSTEM

12.20_ True dividing rail





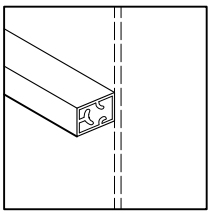
12.20.020 - Silver
12.20.065 - Mat black

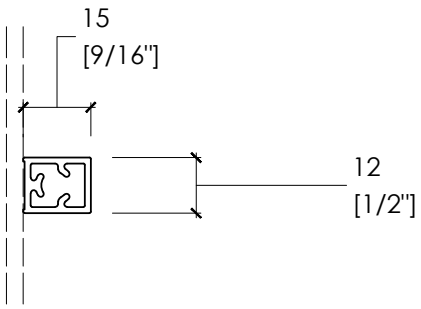
True dividing rail

Finish
Standard, Mat black

Description
Use to partition different materials horizontally or *vertically within a door
*Consult Raumplus for vertical partitioning, cannot combine horizontal and vertical true dividers within one door
Note: Frame kits not drilled for dividers

12.21_ Single-sided applied dividing rail





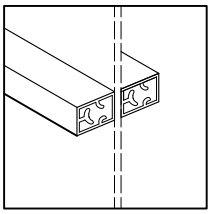
12.22.066

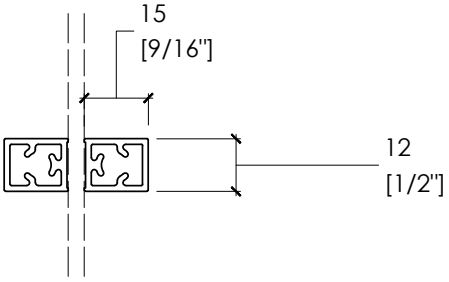
Single-sided applied dividing rail

Finish
Mat black

Description
Provided with adhesive backing
Applied divider can be used horizontally or vertically

12.22_ Double-sided applied dividing rail





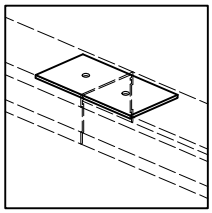
13.33.020

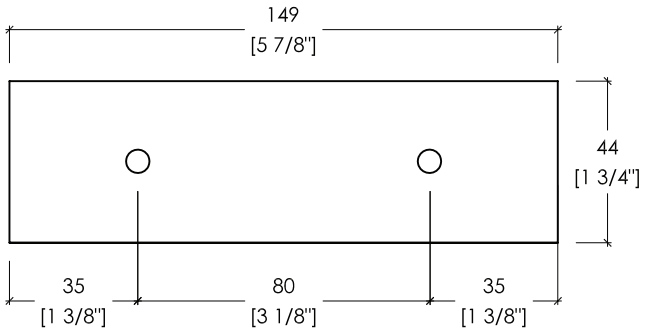
Double-sided applied dividing rail

Finish
Standard

Description
Provided with adhesive backing
Applied divider can be used horizontally or vertically

12.23_ Connector for bottom track





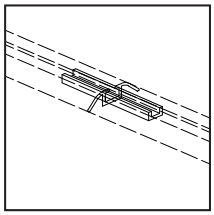
10.04.050

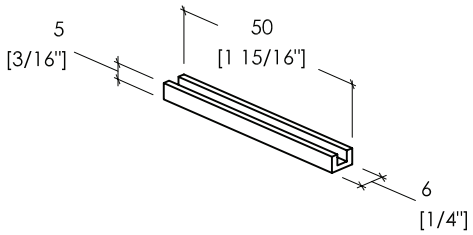
S42 Connector for top track

Finish
Black plastic

Description
Used for splicing top tracks
Mounts in slot on inside of track
Fasteners not included

12.24_ Connector for bottom track





10.04.040

Connector for bottom track

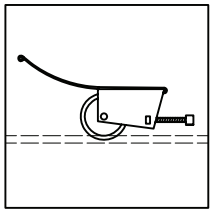
Finish
Black plastic

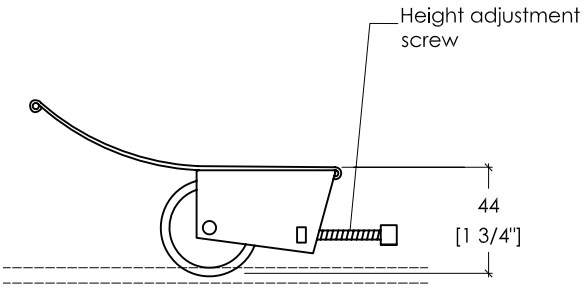
Description
Used for splicing bottom tracks
Mounts inside track
Can not be used in combination
with security bottom roller

SYSTEM DESCRIPTION_ S42 SERIES S1200

SLIDING DOOR SYSTEM

12.26_ Bottom roller





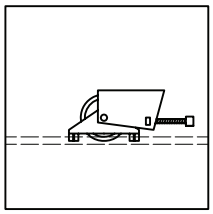
10.01.120

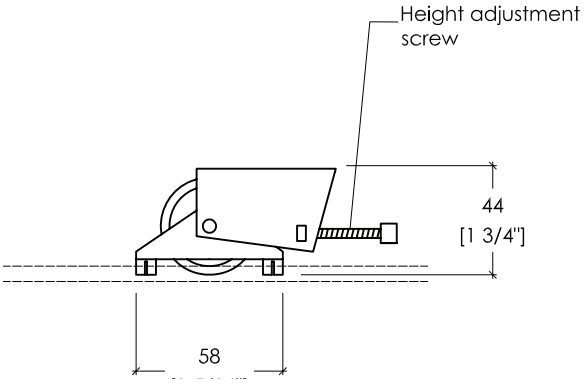
Bottom roller

Finish
Steel
Sealed ball-bearing

Description
Standard bottom roller

12.27_ Security bottom roller



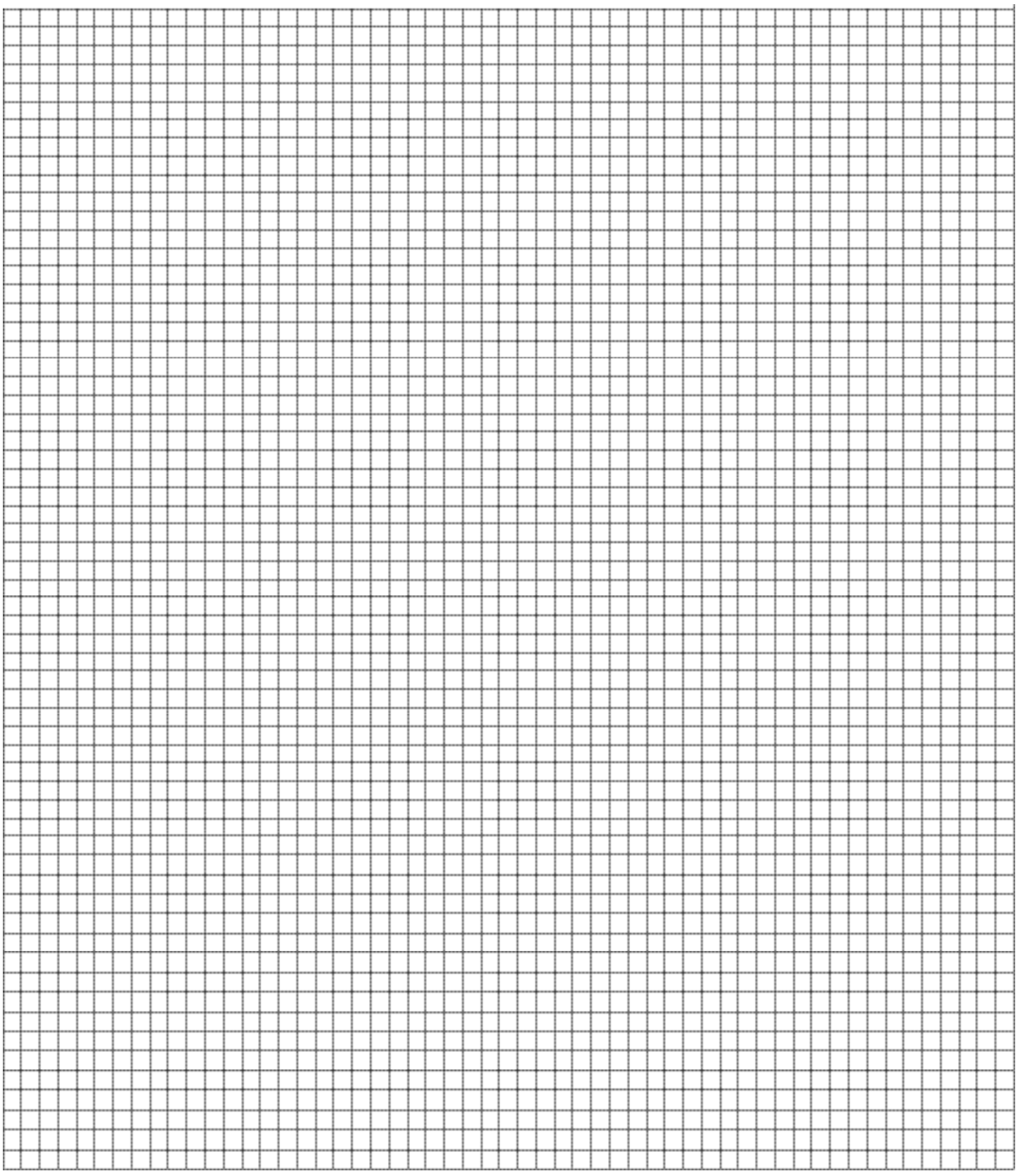


10.01.121

Security bottom roller

Finish
Steel
Sealed ball-bearing

Description
Requires special installation
Use when doors are installed on top of half walls



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