KWIK FRAME™ Sliding Door Systems

For typical openings and wind load conditions.
KWIK FRAME™ Sliding Door Systems

For typical openings and wind load conditions

Adjust-A-Stop
Zinc #710894
White #710899

Center Stop
#711271

Side Mt Metal Door Snugger
21 Link #711201

Center Mt Metal Door Snugger
21 Link #711201

Double Couple
#216

Trolley Hangers
#643437,#711221,Delrin#711055

Keyhole™ Track
6', 8', 10', 12', 14', 16', 18', 20'

Splice Collar
#465101

Quick Track™
With White Cover
8', 10', 12', 14', 16', 18', 20'

Bottom Rail
#314005

Lifetime Warranty On Track & Trolley

Bigg-Frame version also available

Center & Side Mt Wood Door Snugger
21 Link #643404

Cam Latch
Single #711504
Pair #651303

Jamb Latch
4" #728091
7" #728106

 Stay Guide II
For #210 & #244 Btm Rails

Jumbo Door Pull
Zinc #710653
White #710654

Offset Stay Roller
#710806
Number of Horizontals Required all Vertical Spacings are 24” Q.C.

<table>
<thead>
<tr>
<th>DOOR LEAF WIDTH</th>
<th>SINGLE LEAF</th>
<th>DOUBLE LEAF</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6’</td>
<td>7’</td>
</tr>
<tr>
<td>8’</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>10’</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>12’</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>14’</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>16’</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

NOTE:

A) The same part is used as the top horizontal and as the intermediate horizontals.

B) For larger sizes than listed above, refer to CannonBall Bigg-Frame Systems.

* Required per leaf

** Doors greater than 12’ in height need to use steel 235’s for the horizontals or use the CannonBall:HNP Bigg Frame Door System
#235 Steel Girt

20 gauge galvanized steel. Can be used in place of wood horizontal girts to eliminate warping of door panels. Weight is 1.3 lbs/ft.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length</th>
<th>Part No.</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>724864</td>
<td>6ft.</td>
<td>724860</td>
<td>14ft.</td>
</tr>
<tr>
<td>724866</td>
<td>8ft.</td>
<td>724861</td>
<td>16ft.</td>
</tr>
<tr>
<td>724868</td>
<td>10ft.</td>
<td>724870</td>
<td>18ft.</td>
</tr>
<tr>
<td>724869</td>
<td>12ft.</td>
<td>724862</td>
<td>20ft.</td>
</tr>
</tbody>
</table>

Contact factory for availability in odd lengths

#210 Bottom Rail

Attaches to wood bottom rail and allows use of continuous bottom guide. Weight is .8 lb./ft.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length</th>
<th>Part No.</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>724825</td>
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<td>724829</td>
<td>16ft.</td>
</tr>
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<td>724826</td>
<td>10ft.</td>
<td>724830</td>
<td>18ft.</td>
</tr>
<tr>
<td>724827</td>
<td>12ft.</td>
<td>724831</td>
<td>20ft.</td>
</tr>
<tr>
<td>724828</td>
<td>14ft.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Contact factory for availability in odd lengths

Stay Guide II

Continuous guide system complete with brackets and fasteners, all galvanized steel construction. Use length closest to 60% of door panel width. Can be spliced to form longer lengths. Use with #210 and #244 bottom rails.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length</th>
<th>Shipping Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>724574</td>
<td>6ft.</td>
<td>11lbs.</td>
</tr>
<tr>
<td>724575</td>
<td>8ft.</td>
<td>13lbs.</td>
</tr>
<tr>
<td>724576</td>
<td>10ft.</td>
<td>15lbs.</td>
</tr>
</tbody>
</table>

#244WS Bottom Rail

Eliminates wood bottom rail and provides channel for continuous bottom guide. Weight is 1 lb./ft.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Part No.</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>724565</td>
<td>724566</td>
<td>10ft.</td>
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<tr>
<td>724567</td>
<td>724568</td>
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</tr>
<tr>
<td>724569</td>
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<tr>
<td>724573</td>
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<td>18ft.</td>
</tr>
<tr>
<td>724575</td>
<td>724576</td>
<td>20ft.</td>
</tr>
</tbody>
</table>

Contact factory for availability in odd lengths
#201 Bottom Rail

Mounts on face of wood bottom rail and provides smooth surface for stay roller. Weight is .58 lb./ft.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Part No.</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>724340</td>
<td>724884</td>
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</tr>
<tr>
<td>724341</td>
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<td>724342</td>
<td>724886</td>
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<tr>
<td>724343</td>
<td>724887</td>
<td>14ft.</td>
</tr>
<tr>
<td>724344</td>
<td>724888</td>
<td>16ft.</td>
</tr>
<tr>
<td>724345</td>
<td>724889</td>
<td>18ft.</td>
</tr>
<tr>
<td>724346</td>
<td>724890</td>
<td>20ft.</td>
</tr>
</tbody>
</table>

Contact factory for availability in odd lengths

#200 Vertical Side Rail

2 1/2” width is 20% stronger than most 1 1/2” systems. Weight is .76 lb./ft.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Part No.</th>
<th>Part No.</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>200B White</td>
<td>200BP White</td>
<td>200C White, Cartoned</td>
<td>200B Brown</td>
</tr>
<tr>
<td>Not Punched</td>
<td>Punched</td>
<td>Not Punched</td>
<td>Not Punched</td>
</tr>
<tr>
<td>724300</td>
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<td>724757</td>
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<td>790356</td>
</tr>
</tbody>
</table>

Contact factory for availability in odd lengths
Contact factory for availability for brown punched & cartoned availability

#216 Double Couple Rail

Replaces one #200 vertical side rail where double sliding doors meet. Eliminates gap between doors. Weight is .93 lb./ft.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Part No.</th>
<th>Part No.</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
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<td>216BP White</td>
<td>216C White, Cartoned</td>
<td>216B Brown</td>
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<td>724320</td>
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<td>724337</td>
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<td>724764</td>
</tr>
<tr>
<td>724592</td>
<td>——</td>
<td>——</td>
<td>——</td>
</tr>
<tr>
<td>724722</td>
<td>790357</td>
<td>——</td>
<td>——</td>
</tr>
</tbody>
</table>

Contact factory for availability in odd lengths
Contact factory for availability for brown punched & cartoned availability
With the top, intermediate and bottom horizontals properly fitted and spaced in the verticals, secure the grid at each of the four corners using one (1) #8 self-drilling, self-tapping fastener. The fastener should be located in the extruded pilot groove as shown in Figure 3.

<table>
<thead>
<tr>
<th>Door Leaf Width</th>
<th>6'</th>
<th>7'</th>
<th>8'</th>
<th>9'</th>
<th>10'</th>
<th>11'</th>
<th>12'</th>
<th>13'</th>
<th>14'</th>
<th>15'</th>
<th>16'</th>
<th>18'</th>
<th>20'</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dim. “A”</td>
<td>1'</td>
<td>1'</td>
<td>1'</td>
<td>1'</td>
<td>1'</td>
<td>2'</td>
<td>2'</td>
<td>2'</td>
<td>2'</td>
<td>2'</td>
<td>2'</td>
<td>2'</td>
<td>2'</td>
</tr>
</tbody>
</table>

**Figure 2**

**Square the Door Grid**

After squaring, secure the grid with a second fastener at each of the four corners locating them as shown in Figure 4.

Carefully turn the door grid over, recheck for squareness, and repeat the fastening procedures.

Secure all intermediate horizontals with 4 screws/joints (2 per side) See Figure 4.

**Door Grid Assembly**

Doors should be assembled in a flat area. The horizontals are to be equally spaced. The number required per door and spacing is shown in table. The inside face of the door frame should be assembled first.

After laying out the horizontal members, locate and drill two (2) $17/32$ minimum diameter holes in the top horizontal. Locate each trolley hole at dimension “A” from the end and $1”$ from the inside face. See chart for recommended dimension “A”.

**Figure 3**

**Figure 4**
Note: If installing the optional 2" wood members simply drive nails through the extruded grooves.

Install the wood members in the same manner as described for the metal horizontal members. Refer to Figures 6 & 7.

Apply sheeting per sheeting manufacturer’s recommendations.

When sheeting door, the sheeting tucks between the built-in flashing and trip strip of the vertical members.

**Trolley Mounting Instructions**
Insert the trolley mounting bolts into the door grid top horizontal. Install the trolleys and adjust the nuts on the pendant bolts until there is approximately one inch between the trolley bolt head and the door grid top horizontal Figure 8.

**INSTALL CANNONBALL TRACK PER SPECIFICATION SHEET**

After hanging doors and adjusting to required height, insert sheet metal screws through the washered nuts into the horizontal member as shown in Figure 8. When using wood horizontals use a nail as shown in Figure 9. Adjust the offset pendant bolts so door hangs flush against side of building. Tighten the split lock nuts on the offset pendant bolts to lock trolleys in operating position.
Center Mounted Snugger
For Wood Horizontals
Select a horizontal door member that is at a convenient height. Drill one 9/32” diameter hole in the vertical door member (see Figure 10). Slip rod support on straight end of snugger rod and properly position assembly to determine proper location of rod support. Fasten rod support with 2 ring nails as shown.

Slip the larger link on the end of the chain over the snugger rod and insert snugger rod into the rod support. Secure the opposite end to vertical member using (1) 1/4” fastener and nut as shown. Figure 11.

Figure 10
Install the second half of the snugger rod in the other door, following the above procedures except that no chain link is put on the rod.

Attach the “S” hook to the chain.

To latch the two doors together, merely hook the “S” hook onto the snugger rod as shown. The more the door rattles, the tighter the latch becomes. After making certain the “S” hook is in the proper link (latched chain should be about 6” from top of horizontal member), close the “S” hook slightly so it will not become detached from the chain. Figure 11.

Figure 11

Center Mounted Snugger
For Metal Horizontals
Select a horizontal door member that is at a convenient height and drill one (1) 17/32” diameter hole as shown. Next drill one (1) 9/32” diameter hole in the vertical door member. Figure 12.

Figure 12
Slip the larger link on the end of the chain over the snugger rod, and insert snugger rod into the 17/32” hole in the horizontal door member. Secure opposite end of snugger rod to vertical member using one (1) 1/4” fastener and nut. Figure 13. Install the second half of the snugger rod in the other door, following the above procedure except that no chain link is put on the rod. Attach the “S” hook to the chain.

To latch the two doors together, merely hook the “S” hook onto the snugger rod as shown. The more the door rattles, the tighter the latch becomes. After making certain the “S” hook is in the proper link (latched chain should be about 6” from top of horizontal member), close the “S” hook slightly so it will not become detached from chain. Figure 13.

**Figure 13**

**Side Mounted Snugger**

For Metal Horizontals

Select a horizontal door member that is at a convenient height and drill one (1) 17/32” diameter hole as shown. Next drill one (1) 9/32” diameter hole in the vertical door member. Refer to Figure 14 for hole location.

**Figure 14**

Before installing the second half of the snugger to the face of the door jamb, close the door. (Door must have a center stop, or otherwise held stationary.) Secure rod support “A” to door jamb so as to be level with the horizontal door member as shown in Figure 16. (Rod support fasteners are NOT supplied) Slip large link on the end of the chain over the rod and insert rod into rod support “A”. Put rod support “B” on opposite end of rod. Offset rod support “B” 1.0” from rod support “A” as shown. Secure support “B” to door jamb.

**Figure 15**
After making certain the “S” hook is in the proper link (latched chain should be about 6” from the top of horizontal member) close the “S” hook slightly so it will not become detached from the chain.

![Figure 17](image)

**Figure 17**

Before installing the second half of the snugger to the face of the door jamb, close the door. (Door must have a center stop, or otherwise held stationary.) Secure rod support “A” to door jamb so as to be level with the horizontal door member as shown in Figure 18. (Rod support fasteners are NOT supplied) Slip large link on the end of the chain over the rod and insert rod into rod support “A”. Put rod support “B” on opposite end of rod. Offset rod support “B” 1.0” from rod support “A” as shown. Secure support “B” to door jamb.

![Figure 18](image)

**Figure 18**

After making certain the “S” hook is in the proper link (latched chain should be about 6” from top of horizontal member), close the “S” hook slightly so it will not become detached from chain. Figure 18.

**Side Mounted Snugger For Wood Horizontals**

Select a horizontal door member that is at a convenient height and drill one (1) 9/32” diameter hole in the vertical door member. Refer to Figure 17 for hole location.

Slip rod support on straight end of snugger rod and properly position assembly to determine proper location of rod support. Fasten rod support with 2 ring nails as shown. Slip the large link on the end of the chain over the snugger rod and insert snugger rod into the rod support. Secure the opposite end to vertical member using (1) 1/4” fastener and nut as shown. Figure 17.
Side Mounted Jamb Latch
For Metal Horizontals
Select a horizontal door member that is at a convenient height. Align edge of vertical member with door jamb surface. Mount latch catch with the two legs toward the front of the door. Keep slot for hook in line with hook on latch. (See Figure 20). Latch catch should be installed prior to applying steel rib to sliding door frames. Attach main body of latch to door jamb, keeping latch hook parallel to top of latch catch mounted on the horizontal. With latch handle straight up or a little toward sliding door, mount latch with end of hook in hole on the latch catch. Pull handle back toward interior of building and down to secure door tight to jamb. Hook is threaded so it can be easily adjusted. Reverse hook on body of latch to change from R.H. or L.H.

Side Mounted Cam Latch
For Metal Horizontals
Select a horizontal door member that is at a convenient height. Align edge of vertical member with door jamb surface. Mount latch catch with the two legs toward the front of the latch. (See Figure 19). Latch catch should be installed prior to applying steel rib to sliding door frames. Attach main body of latch to door jamb. Keeping latch hook parallel to top of latch catch mounted on the horizontal. With latch handle straight up mount latch with end of hook in hole on the latch catch. Pull handle down toward door to secure door tight to jamb. Cam latch can be mounted either right or left handed, just remove nut and turn hook over and re-attach the nut. (This needs to be done before mounting to door jamb.)

Side Mounted Cam Latch
For Wood Horizontals
Select a horizontal door member that is at a convenient height. Align edge of vertical member with door jamb surface. Mount latch catch with the legs toward the front of the door. Keep slot for hook in line with hook on latch. (See Figure 21). Latch catch should be installed prior to applying steel rib to sliding door frames. Attach main body of latch to door jamb. Keeping latch hook parallel to top of latch catch mounted on the horizontal. With latch handle straight up mount latch with end of hook in hole on the latch catch. Pull handle down toward door to secure door tight to jamb. Cam latch can be mounted either right or left handed, just remove nut and turn hook over and re-attach the nut. (This needs to be done before mounting to door jamb.)
Side Mounted Jamb Latch
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Select a horizontal door member that is at a convenient height. Align edge of vertical member with door jamb surface. Mount latch catch with the legs toward the front of the door. Keep slot for hook in line with hook on latch. (See Figure 20). Latch catch should be installed prior to applying steel rib to sliding door frames. Attach main body of latch to door jamb, keeping latch hook parallel to top of latch catch mounted on the horizontal. With latch handle straight up or a little toward sliding door, mount latch with end of hook in hole on the latch catch. Pull handle back toward interior of the building and down to secure door tight to jamb. Hook is threaded so that it can be easily adjusted. Reverse hook on body of latch to change from R.H. or L.H.

Figure 22

Center Door Guide & Stop
Center guide and stop may be mounted to a 6"x6" P.T. post or imbedded in concrete. Fasteners for mounting center guide are NOT included.

Locate guide at the center point of door opening. The door leafs to engage as shown in bottom horizontal. Note: For proper closure each bottom horizontal should be cut or notched 1/16" short for the center verticals to compensate for the center stop thickness.

Figure 24

Center Stop Assembly
Fasten one half of the guide with 3/8" lag bolts. Locate the “Z” stop on the center lag of the unfastened half as show in Figure 24.

Secure half with lags. Finally attach “L” hold down to “Z” stop with 3/8” carriage bolt as shown in Figure 25.

After the guide is in place, additional adjustment is possible through the vertical adjustment should be used only after the center guide is rigidly in place.
Stay Guide II Installation

Installation Instructions
With sliding door panel in open position, make a pencil line on face of building at very bottom edge of door. Slide door to closed position. Turn guide rail upside down so that slots are visible. Line up one end of rail with edge of door opening and mark slot locations on wall, 1 inch above pencil line. Use alternate slot location in case bracket interferes with siding rib. Install wall brackets with lag screws provided. Make sure nailer holes are in vertical leg of bracket.

End Stop and Hold-Down Bracket
Assemble end stop and hold-down bracket to wall bracket as shown in Figure 29. Do NOT tighten hardware.

With door in closed position, locate wall bracket flush with door opening as shown in Figure 29. Note: Additional blocking may be required behind wall bracket to provide a flat mounting surface.

Attach wall bracket to building wall with lag bolt and nails similar to guide rail. Tighten flange nut AFTER final adjustment. (See Figure 29.)
NEW BOTTOM RAIL
Seals better than ever!

725586 Side Rail
Vinyl Seal

500905 Bottom Rail
Vinyl Seal

500904 Bottom Rail
Brush Seal

- Provides weather protection
- Can be used with stay rollers or guide system
- White or brown standard on the 244WS
- White standard on the 394WS
- Special colors upon request

Available in Bigg and Kwik Frame
Brush Seal, Vinyl Seal or Interchangeable

CANNONBALL

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