WARNING
Remove key, reinstall, and pull mullion to check for locked condition.

Not for use on electric or fire rated removable mullions

This kit includes the following parts: (Not to scale)

- Locking mullion assembly
- Top mullion fitting
- 5/32" Hex Key
- Top Mullion Fitting Shim
- Mullion Body
- Bottom Mullion Fitting
- 5/16-18 x 1-1/4" Flat Pan Head Machine Screw and Expansion Anchor
- 5/16-18 x 1-1/4" Button Socket Head Cap Screw
- 1/4-20 x 1" Flat Head Socket Security Machine Screw
- 8-32 x 1/4" Undercut Flat Head Socket Security Machine Screw
- 5/16 External Tooth Lock Washer
- 5/16-18 x 1-1/4" Cylinder Locking Washer
- 8-32 x 3/8" Set Screw
- Sex Bolt
- Cylinder Lock Nut
- Back Cover Plate

Step 1 Prepare the Keyed Removable Unit.

1. Position cylinder locking washer over mortise key cylinder hole. Note: Raise the locking pin lever to aid in installation.
2. Insert mortise key cylinder through collar and into hole. Note: Cylinder must be oriented as shown.
3. Thread cylinder lock nut onto mortise key cylinder. Be sure to fasten down tight.

Mortise key cylinder w/standard cam (not supplied)
Step 2 Install bottom mullion fitting. (If bottom mullion fitting already exists, go to Step 3.)

1. Drill 5/8” Diameter x 1 1/2” Deep holes.
2. Install 5/16” x 18 expansion anchors.
3. Position bottom mullion fitting.
4. Install screws. (5/16-18 x 1 1/4” Flat Pan Head Machine Screw)
5. Install screws. (8-32 x 1/4” Undercut Flat Head Socket Security Machine Screw) Do not tighten down.

Cut threshold to allow bottom mullion fitting to sit on the floor. (Use bottom mullion fitting as template)

Bottom mullion fitting mounted flush against inside face of doors.

Door Opening
Step 3 Size mullion.

Measure from this edge.

Measure to this edge.

1. Measure distance from frame to bottom mullion fitting.

Mullion Length = 'X' - 4 3/16"

Do not cut end of mullion with warning label.

2. Determine mullion length using formula and cut. Remove all burrs and sharp edges.
Step 4 Install top mullion fitting.

Top Mullion Fitting Shim
Note: If mullion is cut between 3/16" - 5/16" too short, add top mullion fitting shim.

1. Position top mullion fitting

4. Install screws and Lock Washers. (5/16-18 x 1 1/4” Button Socket Head Cap Screw & 5/16 External Tooth Lock Washer)

16 Gauge Reinforcement.
Supplied by frame manufacturer.

2. Mark holes.

3. Drill and tap frame for 5/16-18 screws using top mullion fitting as template.

Top mullion fitting mounted flush against inside face of doors.

Door Opening

Mounting Top mullion fitting on optional frame styles:

16 Gauge Reinforcement

Angle Bracket can be purchased through Von Duprin.

Filler block is to be supplied by frame manufacturer.
Step 5 Attach keyed removable unit to mullion.

1. Position keyed removable unit onto top of mullion.
2. With a hammer and a block of wood, tap keyed removable unit snug against mullion.

3. Drill (2) 13/32” Diameter holes (this side only) using holes in unit as template.

4. Drill (2) 11/32” Diameter holes.

5. Install sex bolts by tapping into hole with a hammer and a block of wood.

6. Install screws. (1/4-20 x 1” Flat Head Socket Security Machine Screw)

7. Tighten down screws.

WARNING! 

Position keyed removable unit onto top of mullion.

Bottom of Mullion

This end has label

Keyed Removable Unit

With a hammer and a block of wood, tap keyed removable unit snug against mullion.

Drill (2) 13/32” Diameter holes (this side only) using holes in unit as template.

Install sex bolts by tapping into hole with a hammer and a block of wood.

Install screws. (1/4-20 x 1” Flat Head Socket Security Machine Screw)

Tighten down screws.

Drill (2) 11/32” Diameter holes.

This end has label

Bottom of Mullion

Keyed Removable Unit

With a hammer and a block of wood, tap keyed removable unit snug against mullion.

Drill (2) 13/32” Diameter holes (this side only) using holes in unit as template.

Install sex bolts by tapping into hole with a hammer and a block of wood.

Install screws. (1/4-20 x 1” Flat Head Socket Security Machine Screw)

Tighten down screws.
Step 6  Final Installation & Adjustment.

1. Install screw. (8-32 x 3/8" set screw) until flush with face of top mullion fitting. Install mullion.

2. Check for tightness of mullion by pushing and/or pulling on mullion. To tighten, remove mullion (see Step 7) and rotate set screw out 1/2 turn. Repeat this procedure until desired tightness is reached.

**WARNING!** If set screw is adjusted out too far, the bolt may not latch completely allowing the mullion to fall out when impacted.

Step 7  Operation.

Rotate key 180° Clockwise to unlock and remove mullion.