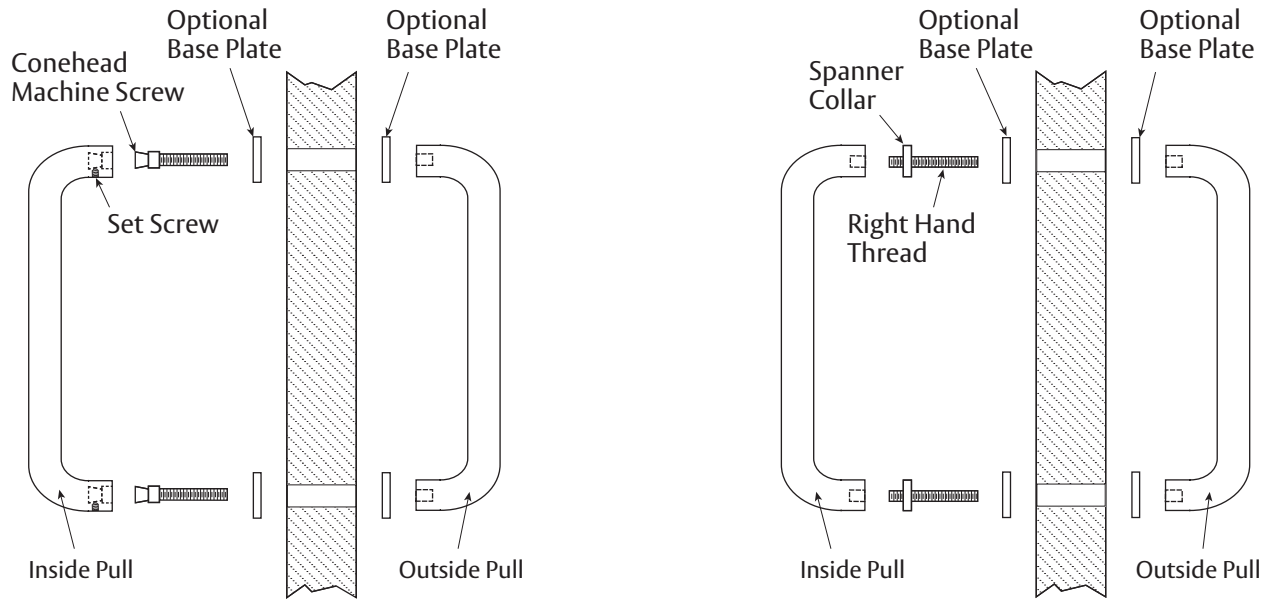


Rockwood Mounting Detail - Back to Back (Wood or Metal)

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Type 5 Mounting

1. Drill holes at required center to center locations using the drill size required by bolt size (see Drill Chart).
2. Insert the cone head machine screw through the push side of the door to the pull side.
3. Tighten the outside pull with the cone head bolts. Make sure the pull is properly tightened and snug to the door face. The cone head bolts should be rigid before proceeding.
4. Slide the inside pull over the cone heads and hold the inside pull tight to the face of the door while tightening the set screws.

Note: It is imperative that the set screws are firmly tightened and that the door pull is tight against the door face so that the set screw properly engages the cone head. If vibration causes set screws to loosen, use a "Locktite" type material to prevent such action.

Drill Chart	
Bolt Size	Drill Size
1/4"-20	9/32"
5/16"-18	11/32"

Type 11 Mounting

1. Make sure of proper centers of drilled holes.
2. Start the right-hand / left-hand threaded rods into one right-hand threaded pull just using enough threads to hold it in place.
3. Take the door pull, which you have started the threaded rods into, and push the bolts through the holes in door. Slip the spanner collar over the threaded rods and turn clockwise to start threads into the inside left-hand threaded door pull.
4. Start tightening handles by alternately turning rods about 1/4" turn at a time. This can be done by using an open end or adjustable wrench on the flat spot of the bolt. When the handles have been drawn together enough so that there is no longer room for the wrench to be used, then the handles can be tightened the rest of the way using a spanner wrench or an object such as a nail or drill bit that will fit in the hole in the spanner collar. Continue tightening the spanner collars by alternately turning in 1/4" turn increments until pulls are tight against the door.

NOTE: This type of mounting makes a very rigid connection but it does require care in the installation. Tolerances are tight and rods can bind easily if turned too much at a time.

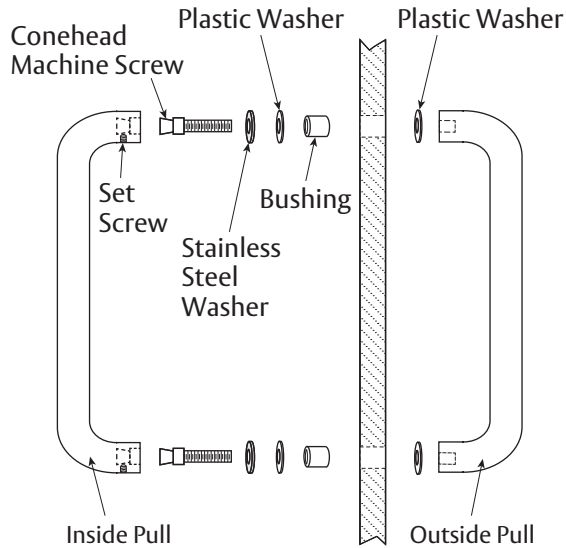
Architectural Door Accessories

ASSA ABLOY

Rockwood Mounting Detail - Back to Back (Glass)

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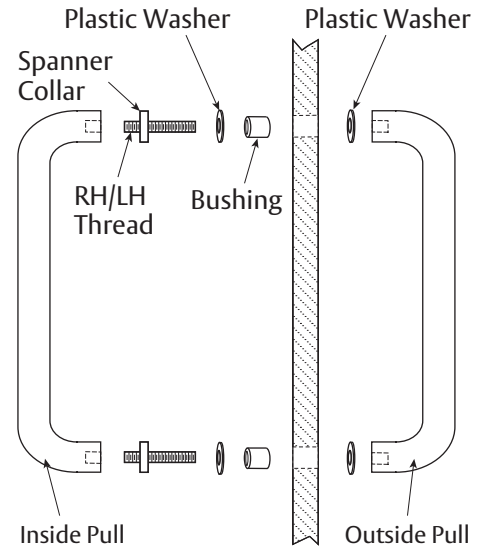
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Type 13 Mounting

1. Make sure of proper centers of drilled holes. Install bushings in the holes in the glass door. Be sure that the bushings are the proper outside diameter for snug fit and are the proper length so they do not protrude beyond the surface of the glass. (It is acceptable if they are a little short.)
2. Locate the cone head machine screw and slip the thin stainless washer onto the screw followed by the plastic washer. Insert the screws through the bushings from the push side of the door to the pull side. Push the screw all the way through so the washers and the shoulder are snug against the door face.
3. Slip the other plastic washer over the protruding thread on the outside of the door and tighten the outside pull with the cone head bolt. Make sure the pull is properly tightened and snug to the door face. The cone head bolt should be rigid before proceeding.
4. Slide the inside pull over the cone heads and hold the inside pull tight to the face of the door while tightening the set screws.

NOTE: It is imperative that the set screws are firmly tightened and that the door pull is tight against the door face so that the set screw properly engages the cone head. If vibration causes set screws to loosen, use a "Locktite" type material to prevent such action.



Type 14 Mounting

1. Make sure of proper centers of drilled holes, Install bushings in the holes in the glass door. Be sure that the bushings are the proper outside diameter for snug fit and are the proper length so they do not protrude beyond the surface of the glass. (It is acceptable if they are a little short.)
2. Start the right-hand / left-hand threaded rods into one right-hand threaded pull just using enough threads to hold it in place,
3. Take the door pull, which you have started the threaded rods into, and push the bolts through the holes in door. Slip washers and then the spanner collar over the threaded rods and turn clockwise to start threads into the inside left-hand threaded door pull.
4. Start tightening handles by alternately turning rods about $1/4$ " turn at a time. This can be done by using an open end or adjustable wrench on the flat spot of the bolt. When the handles have been drawn together enough so that there is no longer room for the wrench to be used, then the handles can be tightened the rest of the way using a spanner wrench or an object such as a nail or drill bit that will fit in the hole in the spanner collar. Continue tightening the spanner collars by alternately turning in $1/4$ " turn increments until pulls are tight against the door.

NOTE: This type of mounting makes a very rigid connection but it does require care in the installation. Tolerances are tight and rods can blind easily if turned too much at a time.

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