

Concealed Removable Hinge Panel Preparation

Material And Finish:

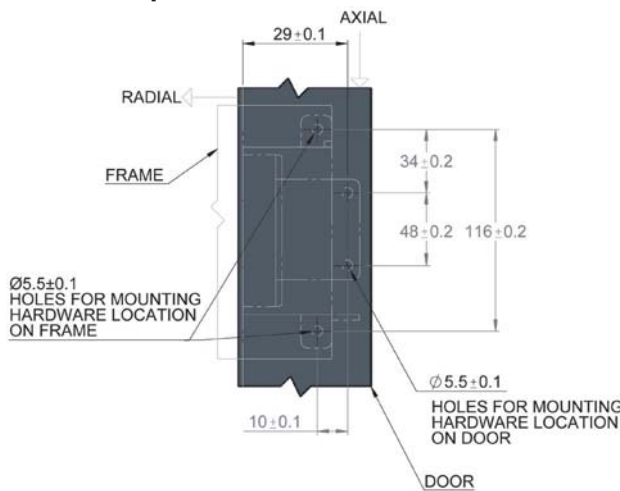
Steel Version

Frame Leaf, Door Leaf: 1010 steel, zinc plate plus chromate dip, yellow. **Hinge Pins:** 12L14 steel, zinc plate plus yellow chromate dip and clear organic coating. **Release Pins:** 420 Stainless steel, passivated. **Internal Spring:** 302 Stainless steel, passivated.

Stainless Steel Version

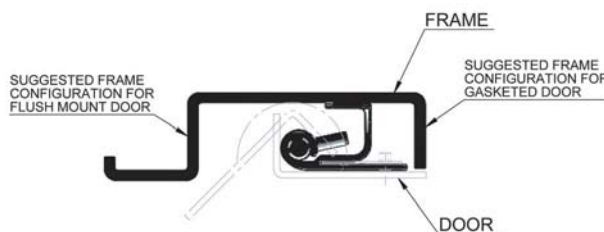
Frame Leaf, Door Leaf: 304 Stainless steel, passivated. **Hinge Pins:** 303 Stainless steel, passivated. **Release Pins:** 420 Stainless steel, passivated. **Internal Spring:** 302 Stainless steel, passivated.

Panel Preparation:



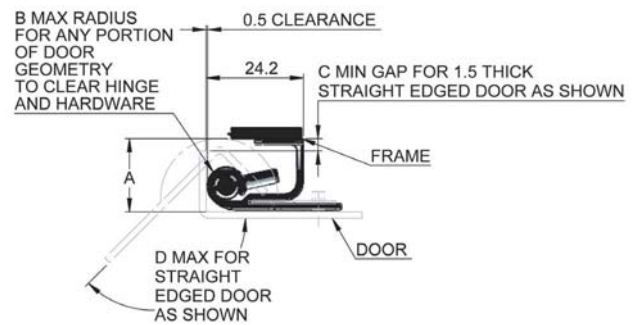
SERIES	Panel Preparation Dimensions			
	A	B	C	D
1	17,1	10,9	3,2	132°
2	20,1	12,7	3,9	125°
3	23,5	15,3	4,4	118°

Additional Mounting Options:



Hinges may be fastened to door frame by:

- **M5 Hardware** - machine screws are recommended for mounting frame leaf.
- **Hex Lock nuts**- Verify clearance with door edge. Depending on lock nut
- **Welding**



Installation:

There are two methods of installation. One method may be more appropriate for your application.

Type A:

1. Mount the assembled door leaf, frame leaf assembly directly to the inside surface of the door.
2. With appropriate support under the door, position the door against the frame and attach as necessary.
3. Remove the supports which may have been used to support the weight of the door during installation.

Type B :

1. Mount the leaves to the door and frame respectively.
2. With appropriate support under the door, position the door against the frame, align the hinge leaves, and move the release pins out of the detents.
3. Check each door leaf to assure that release pins are fully engaged in the knuckle of the frame leaf.
4. Remove the supports which may have been used to support the weight of the door during installation.

Product Strength Guidelines:

Steel Version

Maximum axial work load: 500 N
 Maximum radial work load: 300 N
 Ultimate axial load: 800 N
 Ultimate radial load: 340 N

Stainless Steel Version

Maximum axial work load: 800 N
 Maximum radial work load: 300 N
 Ultimate axial load: 1340 N
 Ultimate radial load: 440 N



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