

# ROLLING CLOSURES

## Installation instructions

### 1. Site verification:

- Check to see if the **width** and **height** on site correspond to drawings.
- If a motor is supplied, make sure power voltage requirements suit available source.
- Concrete floor must be poured and leveled. Verify with a laser.

**Do not begin the installation** until all requirements are met. Please report to the client and MobilFlex any problems or differences with the shop drawings before starting the installation.  
Contact MobilFlex at 1.418.831.3539 or 1.800.501.3539

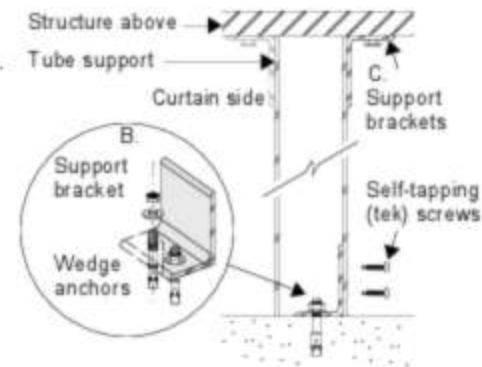
### 2. Supports:

It is imperative that the supports are installed plumb and level in all directions. Locate the exact position of the supports as shown on the shop drawing. *(Determine the support type and proceed to point 3, 4 or 5.)*

### 3. Tube supports:

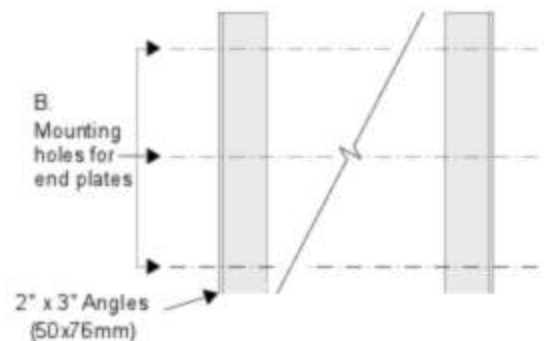
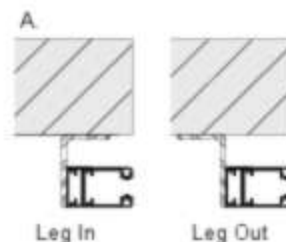
Tubes must be square to the line of the door and mounting holes leveled.  
If Slip joint brackets are provided, the tubes should be 2" shorter than the structure height.

- Mark the location of the base of the tubes.
- Secure support brackets to floor using the supplied wedge anchors.  
Pre-drill using 3/8" (9,5mm) masonry bit.
- Anchor the tubes to structure above with support brackets provided.  
*(Continue to point 6.)*



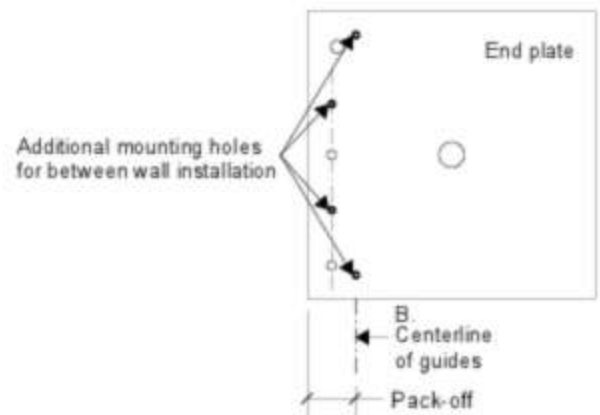
### 4. Angle supports:

- Secure angles to the supporting structure oriented as shown on the shop drawing.  
(Leg in or leg out)
- Verify that the holes for the end plates are leveled.  
*(Continue to point 6.)*



### 5. Between jambs or 2 walls:

- Mark the location of the mounting holes for the end plates on walls or jambs.
- Install end plates plumbed and leveled.
- Indicate the centerline for the guides by measuring the pack-off from the edge of the end plates.
- Remove the end plates to install the barrel.  
*(Continue to point 6.)*



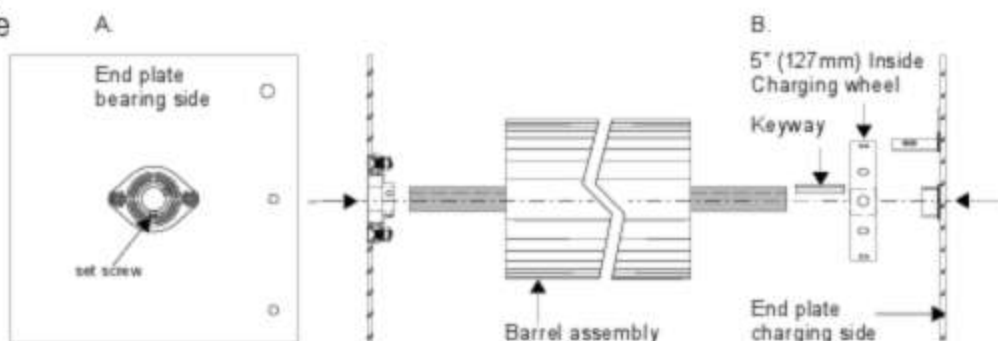
### 6. Position of barrel:

- Do not remove closure from crate.
- Place barrel on the floor near the supports.
  - Orient the barrel so that the charge side is as indicated on the shop drawing.  
This is done by looking at the opening from the coil side. *(Refer to point 11.)*

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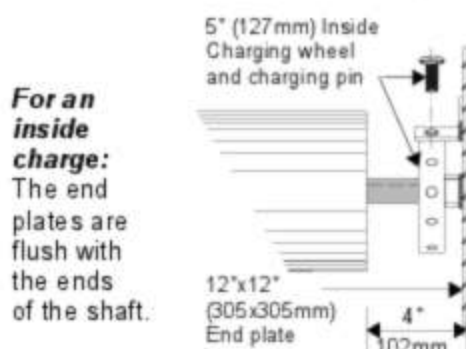
### 7. Barrel and end plate assembly:

- Slide the end plate bearing side onto shaft at opposite end of the charging side of barrel.
- For an inside charging wheel, slide it onto shaft with keyway before sliding in the charging side end plate.



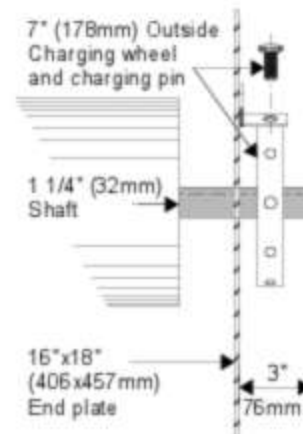
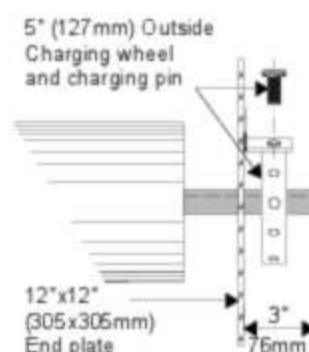
### 8. Installation of barrel and end plate assembly:

- Using a lift, hoist the barrel into place and attach the end plates to the supports.
- Center the barrel assembly between the end plates.



**For an outside charge:**

The outside face of the end plates are at 3" (76mm) from the edge of the shaft.

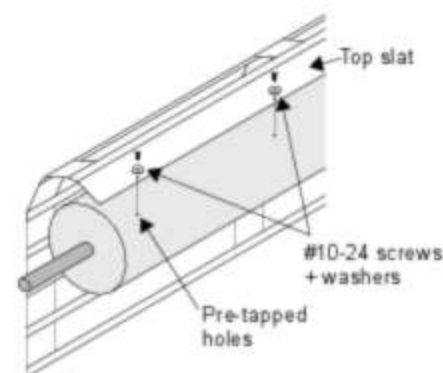
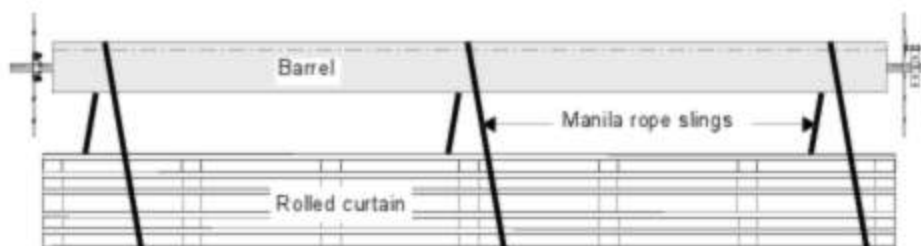


### 9. Bearing and Charging wheel:

- Secure bearing on end plate to the shaft using the set screws.  
For an outside charge, slide the charging wheel and keyway on the shaft.  
Align the charging wheel 5" (127mm) or 7" (178mm) with the charging pin and tighten the set screw.

### 10. Curtain:

- Put the crate as close as possible to the supports and on the correct side prior to lifting.
- Note that the barrel assembly has pre-tapped holes to attach the top slat of the curtain.  
Rotate barrel assembly so that these holes are accessible.
- Remove curtain from crate, put on lift or scaffold just below the barrel assembly. Use 3 or 4 manila rope slings over the barrel and around the curtain. Should any mishap occur, the curtain would then be secured and not fall from the top.
- Insert #10-24 x 1/2" (13mm) screws with washers through the top slat of the curtain and secure to the barrel.  
Make sure sufficient personnel are used to prevent the curtain from twisting and damaging finishes.

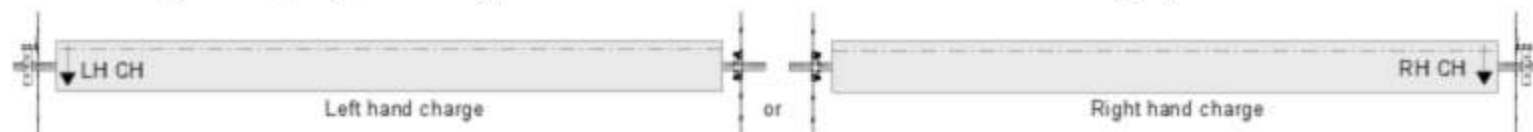




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### 11. Charge of spring assembly: \*\*\* IMPORTANT \*\*\*

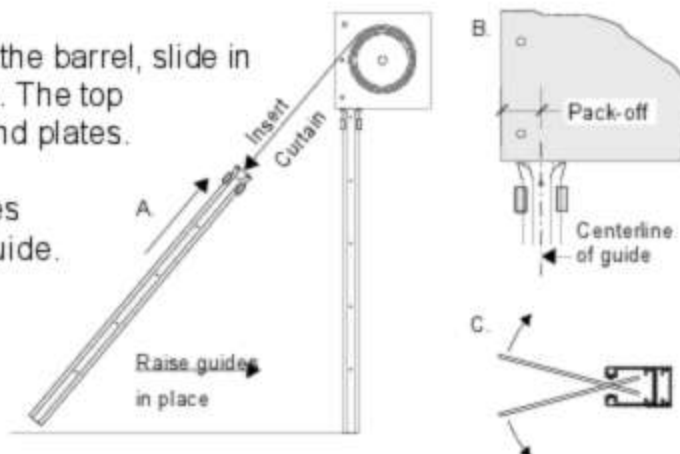
To charge the spring assembly, stand on the coil side. The direction of charging is shown on the barrel.



- Use two 1/2" (13mm) rods (*not included*) inserted in the charging wheel to charge the spring.  
On the shop drawing, you will find a guideline for the number of turns (complete revolutions) required.  
**For an outside charge:** Charge until curtain supports itself. Then you can remove the manila ropes.  
**For an inside charge:** Hang down curtain. A helper should hold the curtain down while charging.
- Before completing the charge (+/- 50%), install the aluminium guides with top stoppers to prevent the curtain from by-passing the opening.

### 12. Guide installation:

- If there is available space, pull the curtain away from the barrel, slide in the guides, raise them in position and secure in place. The top of the guides should be flush with the bottom of the end plates.
- Align with the pre-drilled holes on the supports or refer to the shop drawing for the Pack-off that indicates the distance from edge of end plate to centerline of guide. If there is no space available to pull on the curtain, remove the stoppers, install the guides, slide in the curtain and reinstall the stoppers.
- Open up the guides with 2 flat bars to prevent the curtain from binding when rolling in the guides.

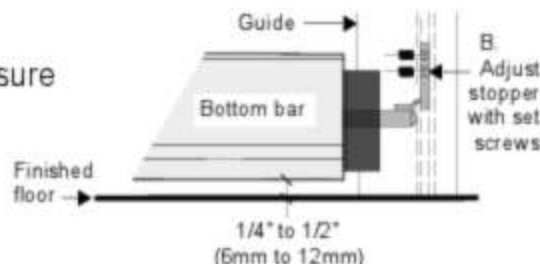


### 13. Testing of the charge:

- Once the charge is completed, insert the charging pin to secure the charging wheel.
- Test the closure in 3 positions throughout the opening.
  - Down position: Only a small amount of pressure should be required to hold down the shutter.
  - Approximately 4 feet (1,2m) from the floor: The curtain should stay in position or slowly rise.
  - Between 6 to 7 feet (1,8m to 2m): The curtain should stay in position or slowly rise.
 If not, adjust the charge.
- Operate the closure several times to verify smooth operation.

### 14. Bottom bar locking inside guide:

- Lower the curtain in the closed position.
- Adjust the height of the bottom stoppers inside the guides to ensure proper locking and minimum gap under the locked bottom bar.  
If the stopper is set too low, there will be too much friction with the locking rod and it may not unlock.  
Clearance should be around 1/4" to 1/2" (6mm to 12mm).
- A pull rod is provided to aid in the operation of the door.



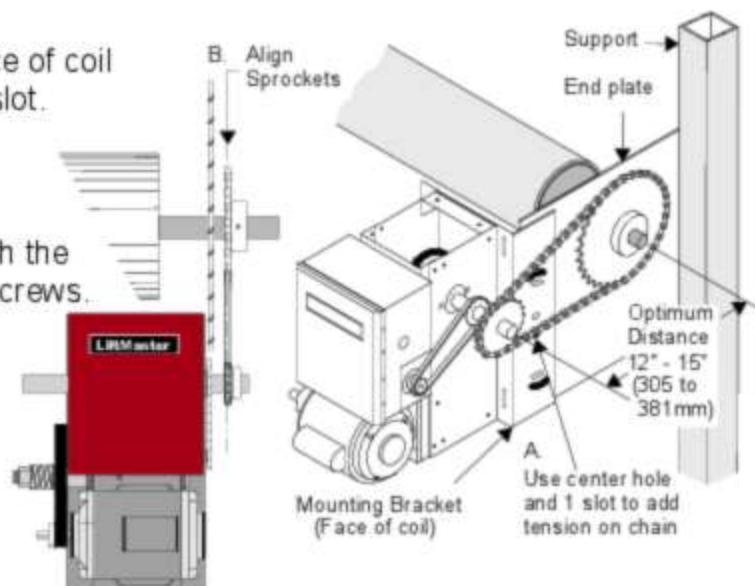
### Options:

(Refer to the applicable option(s), continue to point 15 for motor or 16 for hand crank and/or 17 for hood.)

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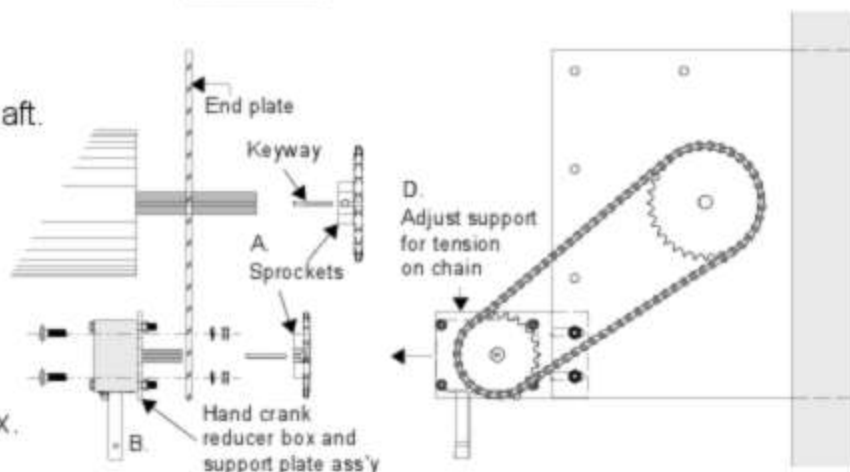
### 15. Motor installation:

- Install the motor bracket to the end plate for a face of coil or above coil mount using the center hole and 1 slot. Attach motor to bracket.
- Install face of wall mounting bracket to the wall. Attach motor to bracket.
- Slide sprocket and keyway on the shaft. Align with the motor sprocket and secure in place with the set screws.
- Install the chain, determine the length and connect chain with link. Put tension on the chain by adjusting the motor bracket.
- Emergency release cable must not be bent in a radius smaller than 16" (406mm). Refer to separate instructions to finalise the motor installation. Only a qualified electrician should connect the power to the motor.



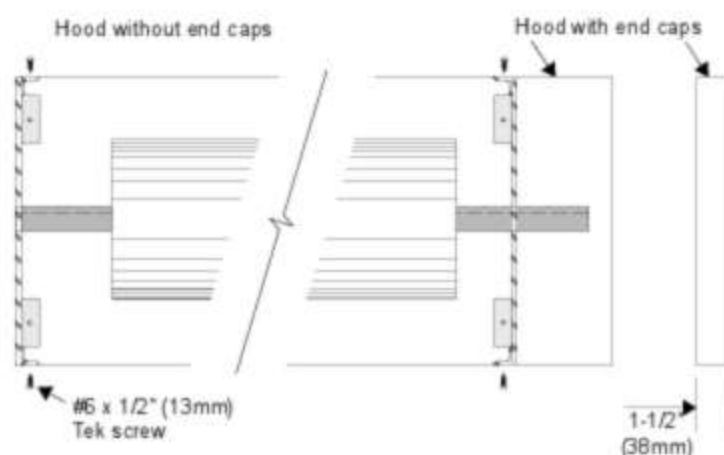
### 16. Hand crank:

- Slide the sprocket and keyway on the shaft.
  - Install the reducer box and support plate assembly to the end plate.
  - Install the chain, determine the length and connect chain with link.
  - Put tension on the chain by adjusting the support plate.
- If a hand crank extension is required, it will already be installed to the reducer box. Insert the crank handle to operate.



### 17. Hood:

- For hoods wider than 10 feet (3,05m), a support bracket is provided and should be installed in the center of the opening before the hood.
- If hood is made of 2 parts, assemble together to the length indicated on the shop drawing with screws before attaching to the end plates.
- Secure the hood with #6 x 1/2" (13mm) Tek screws to the tabs welded to the end plates.
- Install end caps if provided.



### 18. Final inspection of installation:

- You may need to modify some steps for custom options, oversized doors or unique site conditions.
- Upon completion, the installer is to verify that all components of the door work properly.
- Ensure that the door is left clean and the keys are delivered to the customer.
- Explain to customer the proper operation of the rolling closure.
- Have the client sign the client's installation approval.
- Please recycle packaging materials where possible.