

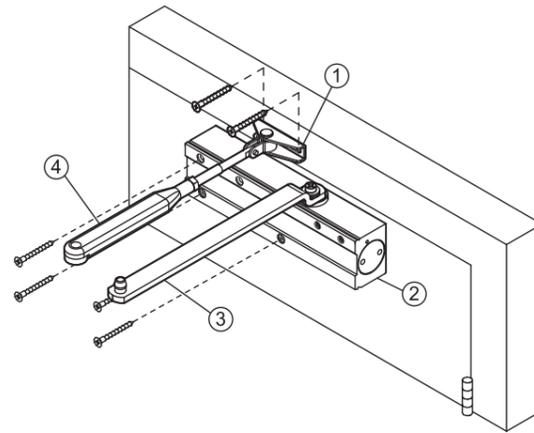
D0453 Door Closer Size 2-4

1

| Power size | Max. Door width | Max. Door weight | Max. Door opening |
|------------|-----------------|------------------|-------------------|
| Size 2 | 850mm | 40kg | 180° |
| Size 3 | 950mm | 60kg | 180° |
| Size 4 | 1100mm | 80kg | 130° |

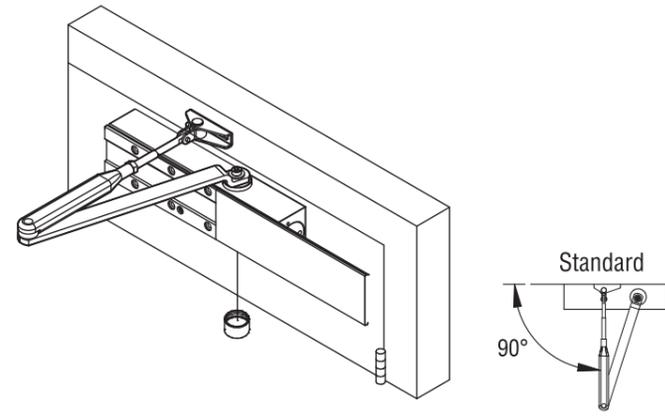
1. According to the information show above. Select power size to suit door width or weight. Determine installation position according to the power strength of closer and use template mark four(4) holes on door for closer and two(2) holes on frame for arm shoe.
2. Drill pilot holes in door and frame for #10-13x2 all-purpose screws or drill and tap for M5x0.8 machine screws.

2



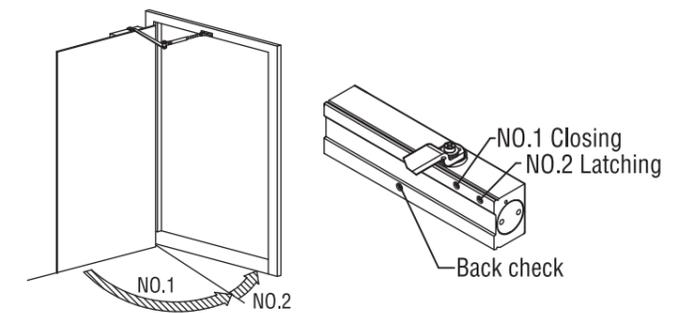
3. Install adjustable forearm/arm shoe to frame and place main arm on pinion shaft.
4. Mount closer on door with screws provided.
 - ① Arm shoe ③ Main arm
 - ② Closer body ④ forearm

3



5. Adjust length of forearm so that adjustable forearm is perpendicular to frame when assembled to preloaded main arm.
6. Secure forearm to main arm with screws provided and snap pinion cap over shaft at bottom of closer.

4



When adjusting please note is a MAXIMUM OF 3 TURNS. Over adjustment affect the performance of the closer. In such instance our Guarantee becomes VOID.

*** Adjust the Closing & Latching speed.**

1. The door closer can control two different speeds.
 2. The NO.1 speed adjusting valve controls Closing speed, and the NO.2 speed adjusting valve controls the Latching speed.
- ① CLOSING ② LATCHING

IMPORTANT INSTALLATION NOTES:



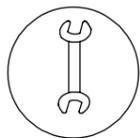
AFTER INSTALLATION, PLEASE CHECK AND TEST:

1. Open the door leaf to its maximum opening angle and release. The door leaf should close fully into the door frame and overcome the latch.
2. Open the door leaf and rest the latch bolt on the striker plate. Release the door leaf. The door closer should have sufficient power to latch the door leaf closed.
3. Back-check provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.



WARNING:

1. Due to door closer power sizes 1 & 2 NOT considered suitable for use fire/smoke door assemblies, the minimum spring strength allowed for fire/smoke door assemblies is spring strength 3.
2. Mechanical hold open devices must NOT be installed on fire/smoke door.
3. Door closer should NOT be opened beyond the max. Opening angle of the power size you selected.
4. This door closer contains a powerful spring which is inserted into the body under pressure. Under NO circumstances should you attempt to dismantle the door closer.

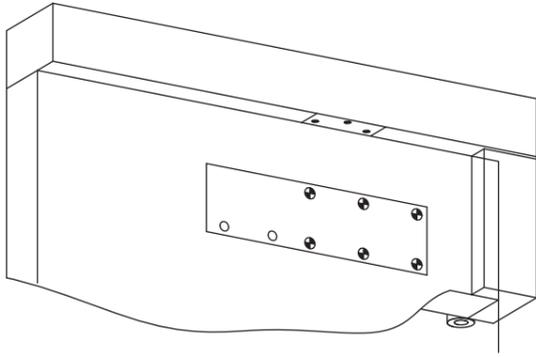


MAINTENANCE:

1. Check the door closer every three months to ensure all fixings are secure and adjust, if necessary, adjust the closing and latching speed and mark the door operating both functionally and smoothly.
2. Apply light oil to arm knuckle joint and door hinges.

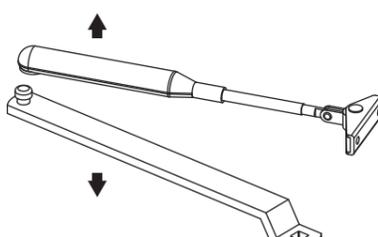
D0453 Door Closer Size 2-4 - Parallel Fixing on Push Side

1



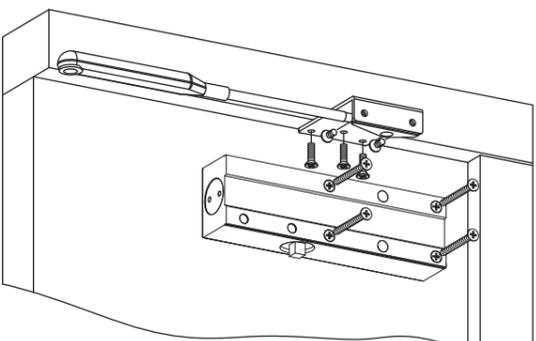
Please install the closer body and parallel arm bracket according to the template

2



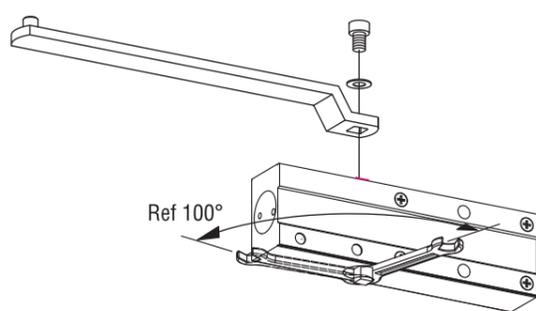
Dismount the main arm and link arm

3



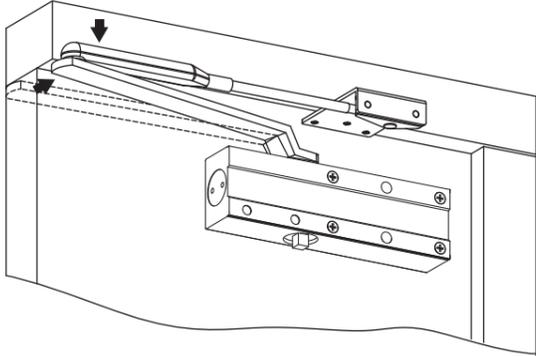
Fix link arm, parallel arm bracket and closer body by M5 screws

4

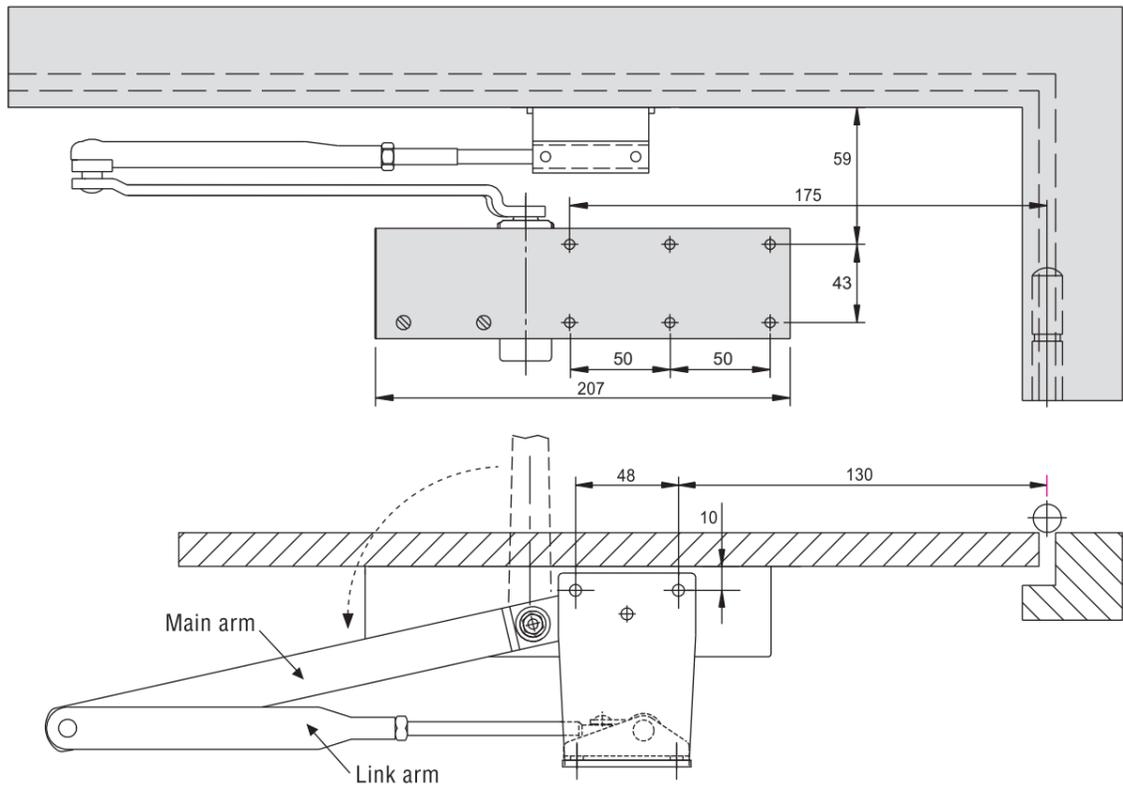
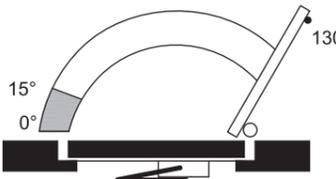


Rotate the pinion approximately at 100° by wrench as illustrated and then assemble the main arm with pinion by M6 screw tightly

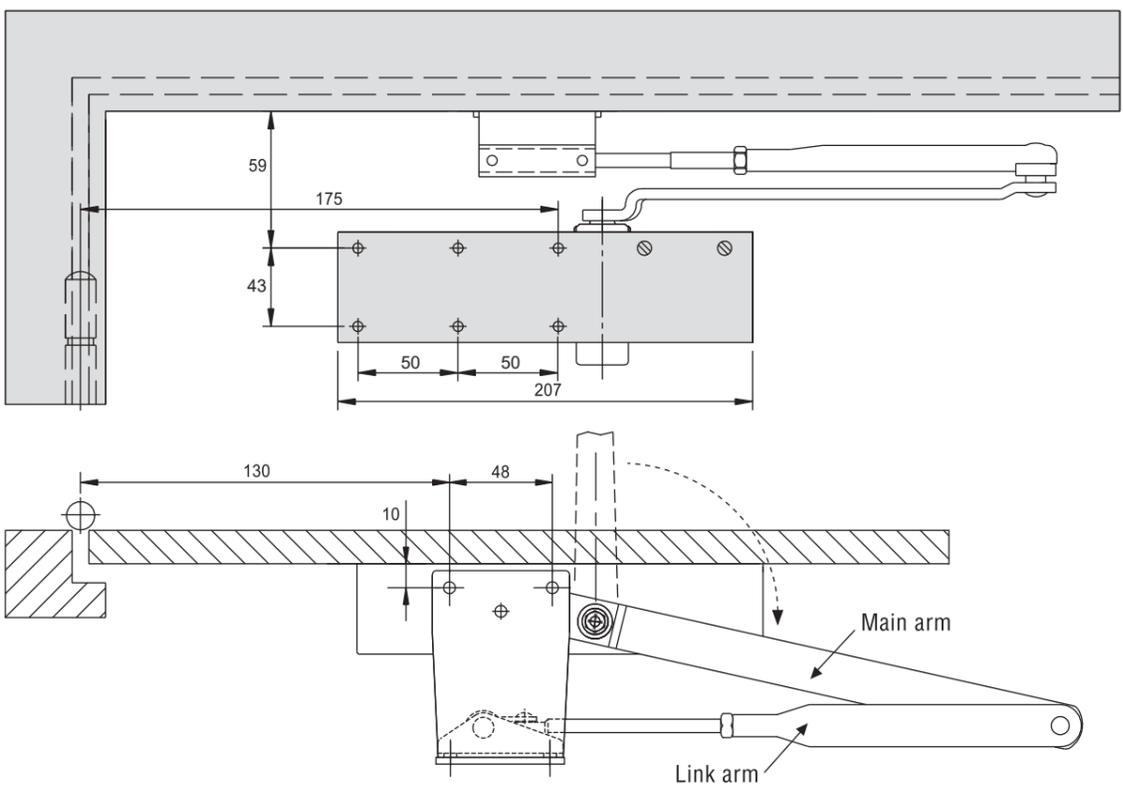
5



Connect the main arm and link arm as illustrated

| Power size | Max. Door width | Max. Door opening |
|------------|-----------------|-------------------|
| Size 3 | 950mm | 130° |



| Power size | Max. Door width | Max. Door opening |
|------------|-----------------|-------------------|
| Size 3 | 950mm | 130° |

