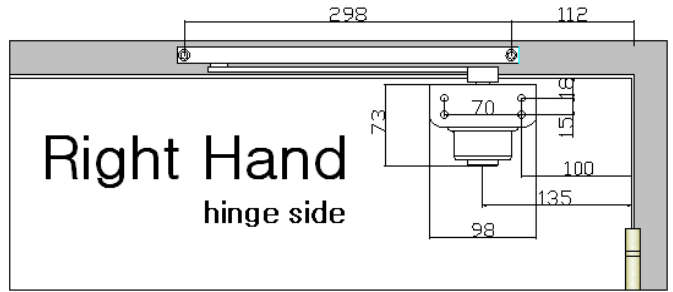
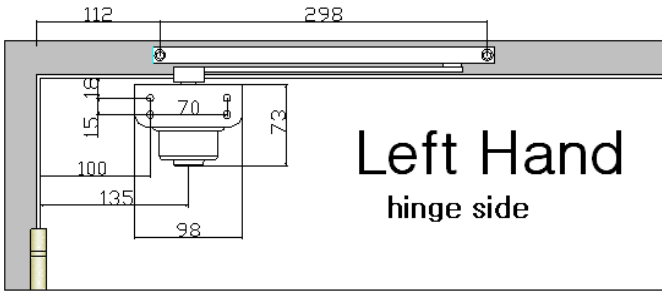


Installation Manual for "Slide Arm" Door Closer

1. Hinge Side installed. (Left side Hinge<Pivot Hinge> is LH, Right side is RH type.)



2. With **Door Closed**, mark hole points with "install guide" and then make a holes(6 points).



3. Fix "housing bracket" with "bolt 1).



4. Join "door closer" with "housing bracket" and fix it with "bolt 2" on upper side view.



5. Insert arm closely into door closer shaft and fix slide rail on the hinge side surface with "bolt 1" and put the slide rail with hand make it paralleled with door frame and fix it with "bolt 1".



6. Adust "**door closing speed**" with adjuster of main body shaft with door opening and closing action.



7. Attention

- 1) It guarantee when it is installed with "installation manual".
- 2) It is needed to reinforce for the installation surface of door closer.
- 3) If door closer break down, please remove it from door because it may hurt by the increasing spring power.

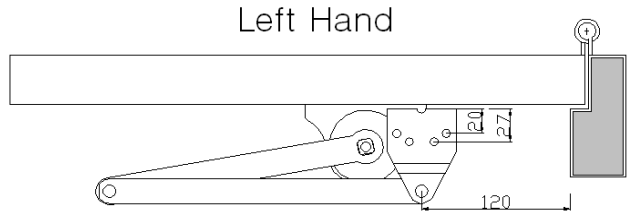
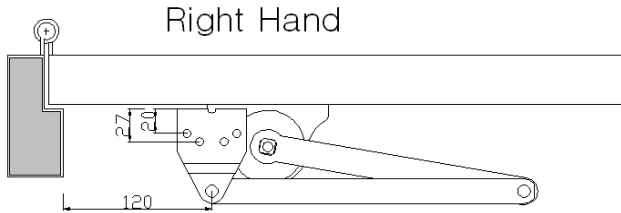


install guide door closer housing bracket arm+slide rail bolt1 bolt2

Installation Manual for "Link Arm" Door Closer

1. Opposite hinge Side installed, Parallel type only.

(On the hinge side view, **Right side** Hinge<Pivot Hinge> is **RH**, **Left side** is **LH** type.)



2. With Door Closed, adhere "install guide" closely on the door and frame contacting surface and mark hole points.

<picture 1.>

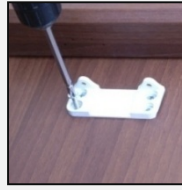


<picture 2.>



3. Make a holes and fix "housing bracket" and "arm bracket" with "bolt 1".

<housing bracket(bolt1)>



<arm bracket(bolt 3)>



4. With Door Open, Join "door closer" with "housing bracket" and fix it with "bolt 2" on upper side view.



5. With Door Closed, insert "first arm" closely into door closer shaft and connect it with "second arm" and then prevent their separation by inserting "E-ring"



6. Adust "door closing speed" with adjuster of main body shaft with door opening and closing action.



7. Attention

- 1) It guarantee when it is installed with "installation manual".
- 2) It is needed to reinforce for the installation surface of door closer.
- 3) If door closer break down, please remove it from door because it may hurt by the increasing spring power.



Install guide door closer housing bracket arm bracket+second arm first arm bolt1 bolt2 bolt3 E-ring