

Door Closer 7000 Series Installation Instruction Sheet

Thank you for purchasing the New Star Door Closer. Carefully read this installation instruction sheet as well as corresponding operation manual in advance for the correct installation and use of the product.

Model Number				Applicable Door Dimensions DW×DH mm	Maximum Door Weight kg
Standard Installation		Parallel Arm Installation			
Without Hold-open	With Hold-open	Without Hold-open	With Hold-open		
7001	S-7001 The maximum hold-open angle is 120°	P-7001	PS-7001	800×1800	30
7002	S-7002 °	P-7002	PS-7002	900×2100	45
7003	S-7003 °	P-7003	PS-7003	950×2100	65
7004	S-7004 °	P-7004	PS-7004	1050×2400	85
7005	S-7005 °	P-7005	PS-7005	1200×2400	120

- Refer to the packing list and check the contents of the box. The parts vary in shape depending on the model number. Contact your dealer if there should be any missing parts.
- The door will feel heavy at the time of opening due to the force of the spring after the Door Closer is installed. (It is impossible to reduce the force of the spring and lighten the door.)
- This product is used for both right and left opening doors. To change to opening direction, move the product upside down.

1. The door will close too quickly if oil leaks from the product and may pinch fingers or come in contact with human bodies, thus causing the people to trip, slip, or fall resulting in injury. Promptly repair or replace the product if the door fails to close slowly because of oil bleeding or leakage and causes a hydraulic pressure fall in spite of speed adjustments. Closing or opening the door forcibly may result in oil leakage and product failures. Do not shut the door forcibly while the door is closing automatically.
2. At the time of speed adjustment, make sure that the adjustment valve will not protrude from the surface of the product. Loosening the adjustment valve in excess will result in oil leakage. Setting an extremely large difference between the primary speed and secondary speed may result in malfunctioning.

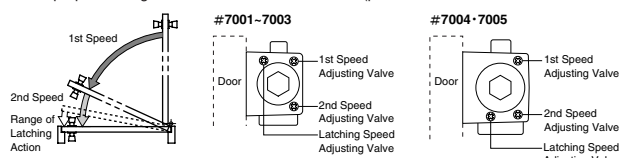
* The proper closing time from 90°, is 5 to 8 seconds (provided that the door width is 900 mm).

3. Do not use the product in places exposed to water (e.g., pools, bathrooms, or outdoors).

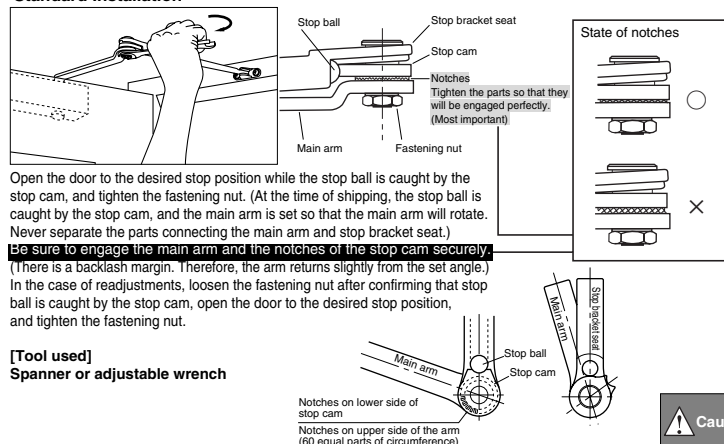
4. Be careful not to open or close the door suddenly if a strong wind is blowing, or otherwise the door may pinch fingers or come in contact with human bodies. Do not open the door in excess of the open limit angle, or otherwise door, wall, and product damage may result. Moreover, product damage may lead to a major accident with the door toppled down. In the case of installing the product in a windy location, select a product model a rank higher from the catalog and take safety measures, such as the installation of a windbreak space, doorstop, or one-way opening door.
5. Be sure to use the Door Closer provided with a thermal fuse for a door of normally open fireproof or smoke-proof type. (Keep in mind that connecting and disconnecting the doorstop repeatedly will result in fuse rupture.) Usually use the Door Closer of parallel type if the door is provided with a pocket, in which case, however, make sure that the pocket is deep enough because the door requires a return margin as thick as the width of a single door.
6. Do not let children hang on the door or hardware and play.

1. Securely install the frame and the reinforcement (back plate) of the door so that the door can be opened and closed safely.
2. Do not drive in any parts at the time of mounting or installation.
3. Tighten the mounting screws of the hardware securely so that the screws will not come loose.

* The proper closing time from 90. is 5 to 8 seconds (provided that the door width is 900 mm).



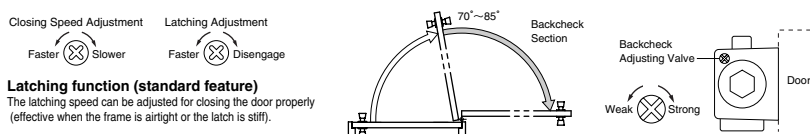
Standard Installation



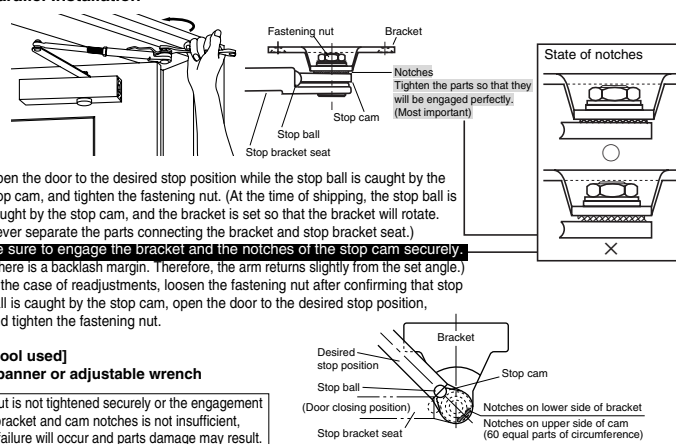
Check the following items in addition to the items specified as precautions.

1. Check that the hardware operates smoothly.
2. Check that the Door Closer is free of deformation, damage, noise, or wobbles.
3. Check that no screws are loose or falling off.

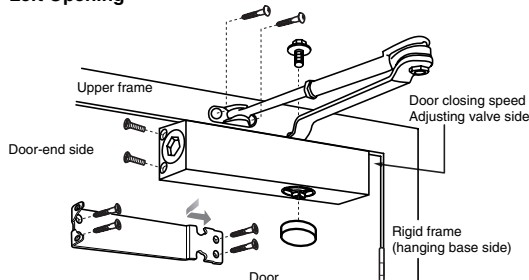
This function uses hydraulic pressure to prevent the door from opening rapidly when a strong wind or external force is imposed in the opening direction of the door. You can open the door slowly in the backcheck section though the opening force is felt a little heavier.



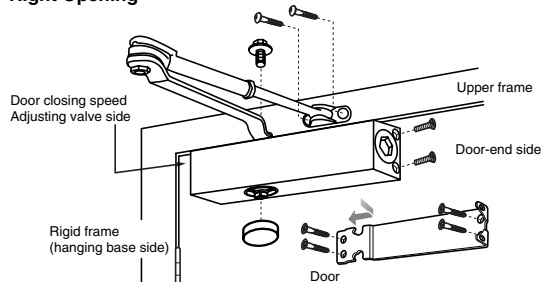
Parallel Installation



Left Opening

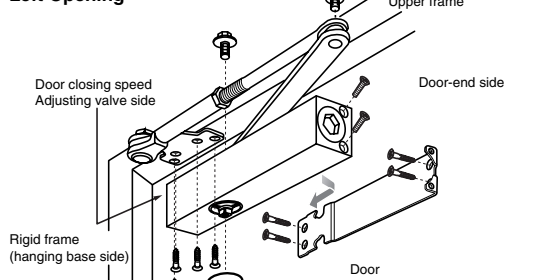


Right Opening

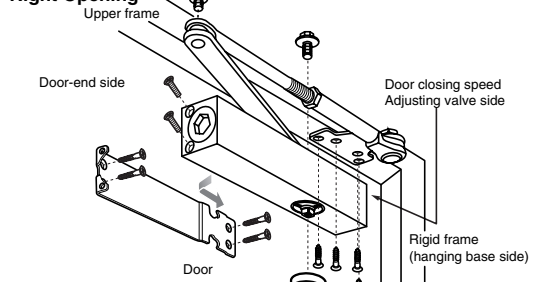


Parallel Installation

Left Opening

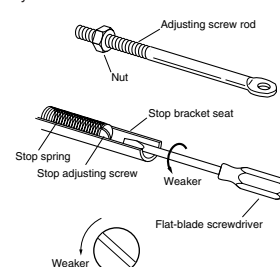


Right Opening



■ Stop Force Adjustments

The stop force is set to maximum.
To weaken the force, loosen the nut,
disconnect the adjusting screw rod from
the stop bracket seat, and turn the stop
adjusting screw counterclockwise little
by little.



* This figure is for wooden frames and doors. The mounting screws vary with the material of the upper frame and door.

Without Hold-open	With Hold-open
7001	S-7001
7002	S-7002
7003	S-7003
7004	S-7004
7005	S-7005

Size the same with or without hold-open.
Left-hand application with hold-open shown.

2-M5×16 Countersunk Screw
(P=0.8)

Lower side of upper frame

2-M5×10 Oval Countersunk Screw(P=0.8)

4-M5×12
Countersunk Screw
(P=0.8)

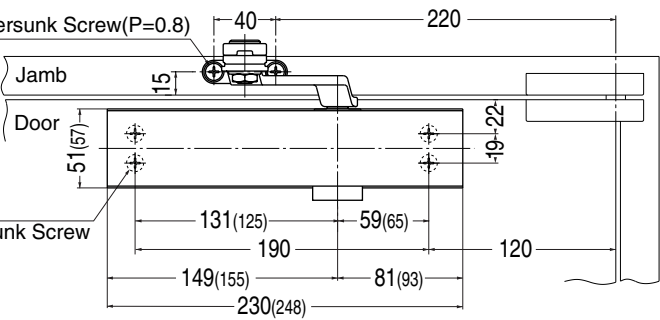
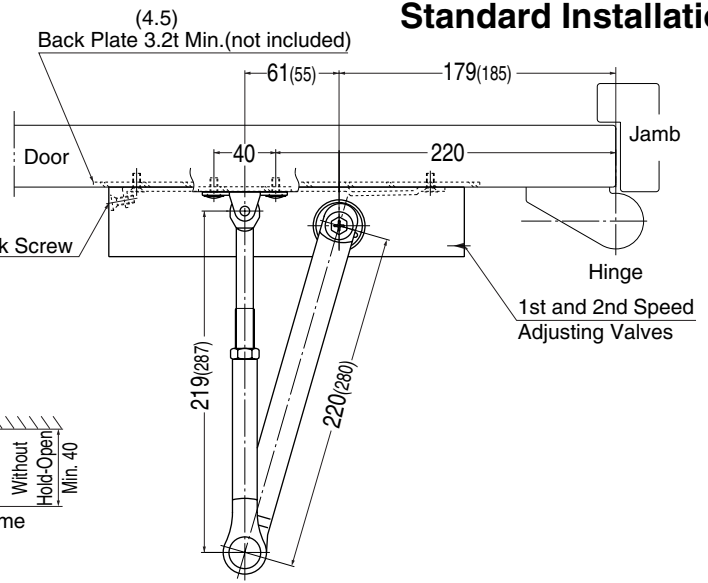
(4.5)
Back Plate 3.2t Min.
(not included)

(4.5)
Back Plate 3.2t Min.
(not included)

The (S)-7001 and (S)-7002 are provided with the following mounting woodscrews.
For wooden frames: 2-5.1 x 25 oval countersunk woodscrews
For wooden doors: 4-5.1 x 25 countersunk woodscrews

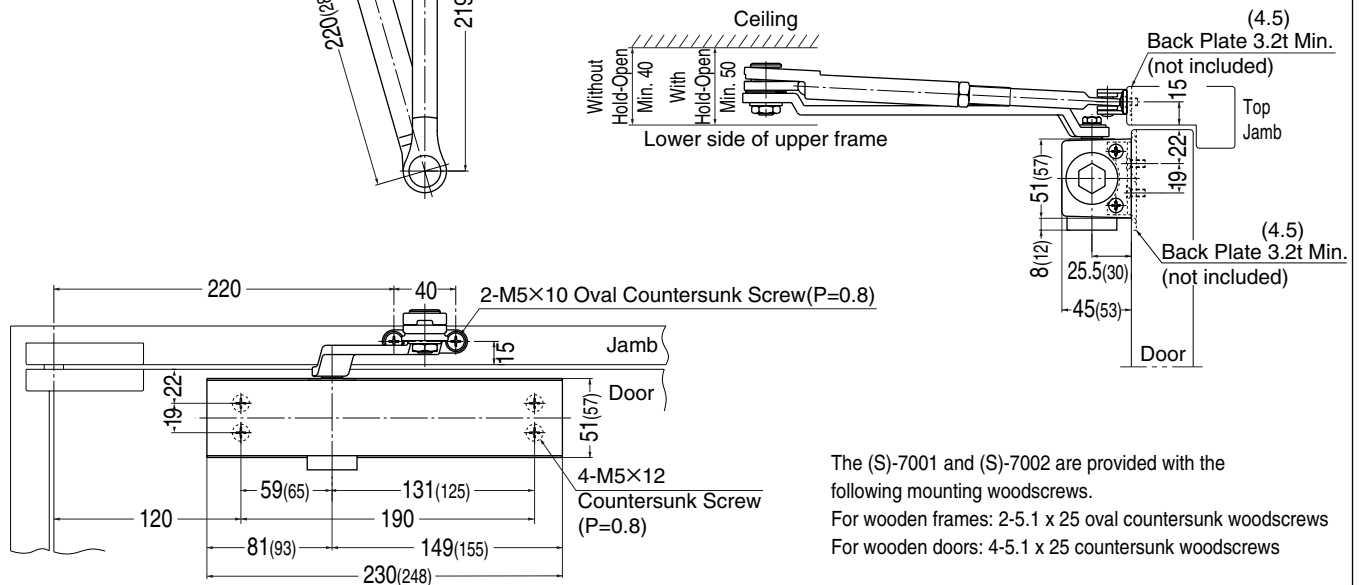
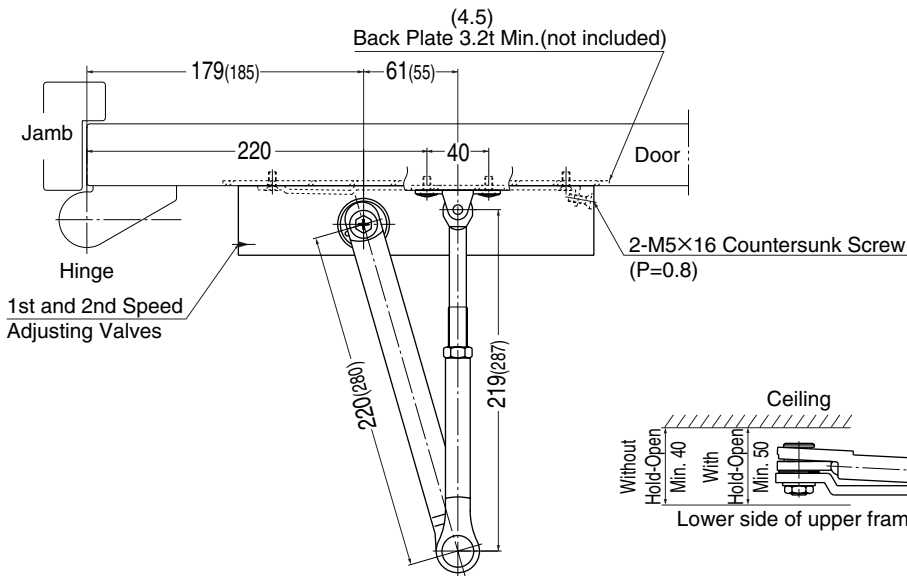
()Measurements in brackets are for 7004, S-7004, 7005 & S-7005.

Standard Installation



Standard Installation

Size the same with or without hold-open.
Right-hand application with hold-open shown.



The (S)-7001 and (S)-7002 are provided with the following mounting woodscrews.
For wooden frames: 2-5.1 x 25 oval countersunk woodscrews
For wooden doors: 4-5.1 x 25 countersunk woodscrews

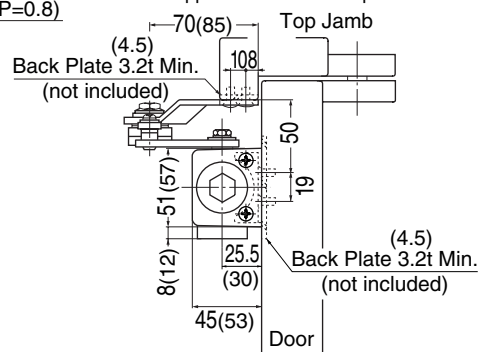
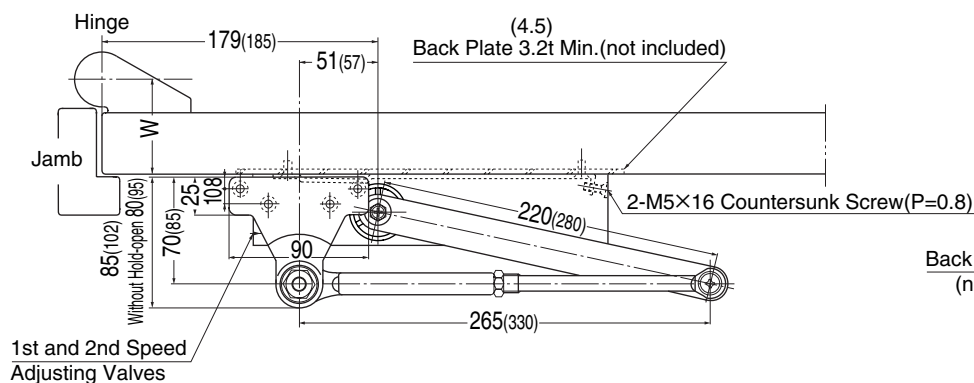
()Measurements in brackets are for 7004, S-7004, 7005 & S-7005.

This figure is for G1-type, BC-type, and DA-type products.

Parallel Installation

Without Hold-open	With Hold-open
P-7001	PS-7001
P-7002	PS-7002
P-7003	PS-7003
P-7004	PS-7004
P-7005	PS-7005

Size the same with or without hold-open.
Left-hand application with hold-open shown.



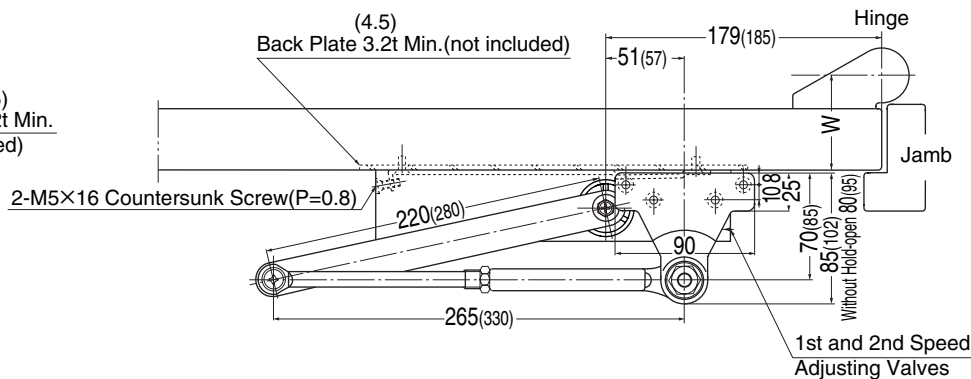
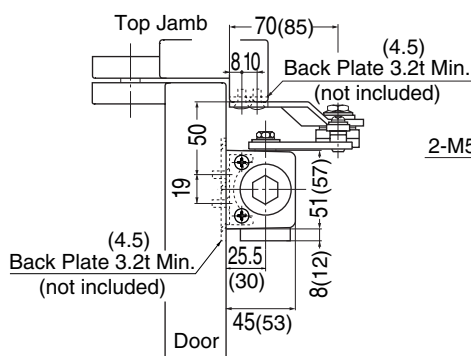
The P(S)-7001 and P(S)-7002 are provided with the following mounting woodscrews.
For wooden frames: 4-5.1 x 25 oval countersunk woodscrews
For wooden doors: 4-5.1 x 25 countersunk woodscrews

Be sure to keep the following conditions (for the widths indicated by the letter W in the drawing) if the Door Closers are opened 180° for use.
P(S)-7001 to P(S)-7003: 70 max.
P(S)-7004 to P(S)-7005: 100 max.

() Measurements in brackets are for P-7004, PS-7004, P-7005 & PS-7005.

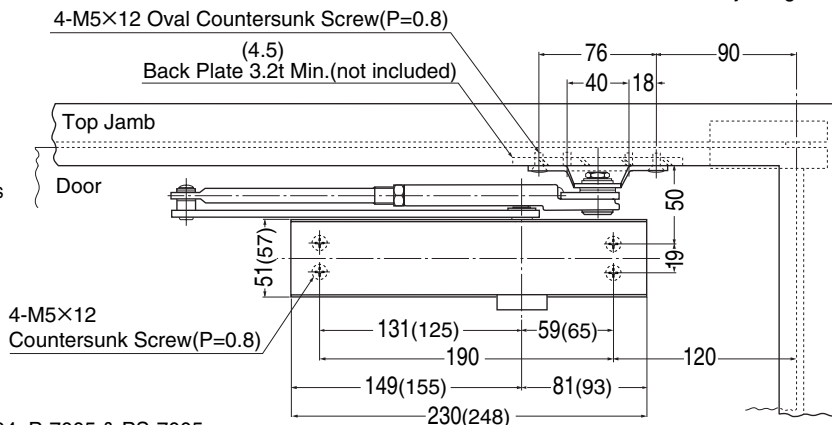
Size the same with or without hold-open.
Right-hand application with hold-open shown.

Parallel Installation



The P(S)-7001 and P(S)-7002 are provided with the following mounting woodscrews.
For wooden frames: 4-5.1 x 25 oval countersunk woodscrews
For wooden doors: 4-5.1 x 25 countersunk woodscrews

Be sure to keep the following conditions (for the widths indicated by the letter W in the drawing) if the Door Closers are opened 180° for use.
P(S)-7001 to P(S)-7003: 70 max.
P(S)-7004 to P(S)-7005: 100 max.



() Measurements in brackets are for P-7004, PS-7004, P-7005 & PS-7005.

This figure is for G1-type, BC-type, and DA-type products.

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