


MODEL CDG420 INSTALLATION INSTRUCTIONS

Template Size 2-4 Door Closer c/w Fig. 6 Bracket

CDG420 Template Size 2-4 Door Closer c/w Bracket						
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1121-CPD-AD5462		20				
EN 1154: 1996 + A1: 2002 + AC: 2006						
Fig 1	3	8	4 2	1	1	3
Fig 6	3	8	3	1	1	3
Fig 61	3	8	3 2	1	1	3



IMPORTANT INFORMATION

SELECTING THE CORRECT DOOR CLOSER TO SUIT DOOR SIZE

Minimum size 3 MUST be used on fire doors. Hold open arms must NOT be used on fire doors. * Minimum size for use on fire doors.	Power Size	Max. Width of Door	Max. Mass of Door
	2	850mm	40Kg
	3*	950mm	60Kg
	4	1100mm	80Kg

The door closer power adjustment is controlled by the position of the mechanism on the door/transom, and the direction of the power show. Details for each application are below:

Fig 1 - Standard Application (pull side)

The mechanism is in the same position for power sizes 2 & 3, but power size 4 is further from the hinge side of the door.

Note: Please refer to 1:1 scale template for Fig 1 application, taking care to select the correct positions on the template to suit width and mass of the door.
The adjustment valves for the latching/closing must face towards the hinge side.

Fig 1 Power Shoe Detail

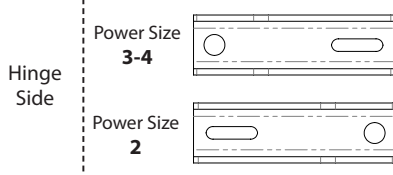


Fig 6 - Parallel Mount Application (push side)

Suitable in power size 3 only.

Note: Please refer to the 1:1 scale template for Fig 6 application.
The adjustment valves for latching/closing must face away from the hinge side.

Fig 6 Power Shoe Detail

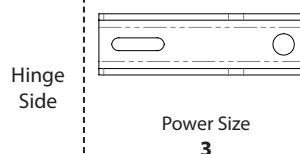


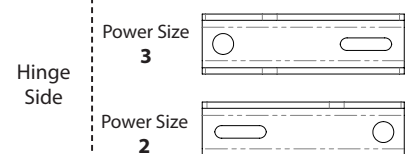
Fig 61 - Transom Mount Application (push side)

Head Projection is limited to 30mm.

Suitable for power sizes 2 & 3 only.
The mechanism position on the transom/frame is the same for both.

Note: Please refer to 1:1 scale template for Fig 1 application for the required dimensions to use in transom mount application, taking care to select the correct position on the template.
The adjustment valves for latching/closing must face away from the hinge side

Fig 61 Power Shoe Detail



PLEASE LEAVE THESE INSTRUCTIONS WITH THE END USER

Declarations of Performance, and other information can be downloaded from www.carlislebrass.com

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INSTALLATION - FIG 1 APPLICATION - ANGLE OF OPENING LIMITED TO 105°

Fig 1 - Standard Application (Door closer fitted on pull face of door)

1. Ensure that the door and surrounding frame are in good condition, flush with one another and that the door closes freely.
2. Please refer to the supplied 1:1 scale fitting template for clockwise closing and anti-clockwise closing doors. Ensure you select the correct details for the doors application and drill pilot holes in door and frame accordingly.
3. Detach the main arm from the threaded section at the knuckle joint, and attach the main arm onto the door closer pinion at an angle of 90°, then fasten securely with machine bolt provided.
The end of the door closer **with** the adjustment valves must be positioned towards the hinges (in Fig. 1) to ensure the arm is fitted with the correct pinion point.
4. Secure the closer body to the door, ensuring the adjustment valves face the direction of the hinges.
5. Fix the power shoe of the threaded arm to the frame (Refer to **Power Shoe Detail** on page 1).
The final resting position of the threaded arm once attached to the main arm should be 90° from door face. Adjust the threaded section accordingly. When satisfied with position, attach both arm sections at the knuckle joint and tighten bolt on screwed section. Fix dust cover to the bottom pinion.
6. Operate the door and adjust the closing and/or latching speed valves as necessary.
Do not unwind any of the valves completely as this will cause the unit to fail.
7. When applicable, place closer cover over the body of the closer it is securely attached and hooked over the fixing nut for the arm.

INSTALLATION - FIG 6 APPLICATION - ANGLE OF OPENING LIMITED TO 105°

Fig 6 - Parallel Mount Application (Door closer fitted on push face of door)

1. Ensure that the door and surrounding frame are in good condition, plumb and that the door closes freely.
2. Please refer to the supplied 1:1 scale fitting template for clockwise closing and anti-clockwise closing doors. Ensure you select the correct details for the doors application and drill pilot holes in door and frame accordingly.
3. Secure the Fig. 6 bracket to the underside of the frame.
4. Detach the main arm from the threaded section at the knuckle joint, and attach the main arm onto the door closer pinion at an angle of 45° (door opening direction), then fasten securely with machine bolt provided.
The end of the closer **without** the latching and closing speed adjustment valves must be positioned away from the hinges (in Fig.6) to ensure the arm is fitted on the correct pinion point.
5. Carefully fully adjust (clockwise) closing speed valve 1. Pull the main arm back by approx 90° so it is away from the doorside of the closer body. Secure closer body to the door.
6. Fix the power shoe of the threaded arm section to the Fig. 6 bracket (Refer to **Power Shoe Detail** on page 1).
Attach the threaded arm to the knuckle joint of main arm and adjust the length accordingly, then tighten the fixing bolts. The final resting position of the main arm should be horizontal with face of door.
Fix dust cover to the bottom pinion.
7. Operate the door and adjust the closing and/or latching speed valves as necessary.
Do not unwind any of the valves completely as this will cause the unit to fail.
8. When applicable, place closer cover over the body of the closer it is securely attached and hooked over the fixing nut for the arm.

MAINTENANCE

Check that the door closer closes the door correctly and adjust as necessary.
Ensure fixing screws are tight and periodically apply light oil or grease to arm pivot joints.

Failure to install this product as per these instructions and dimensions will negate guarantee.