



Overview :

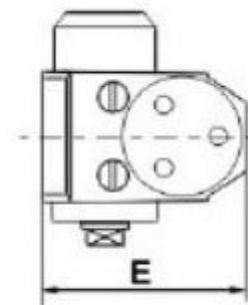
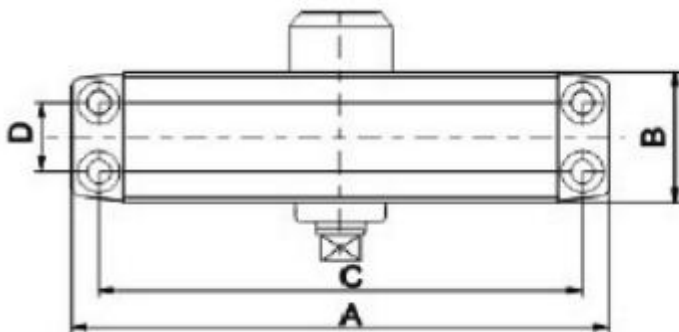
KC1005-4 BW door closer is made of die casting alloy aluminum, designed with simple and graceful in appearance.

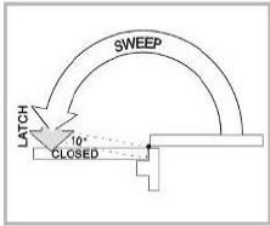
Features :

- Closing speed can be adjusted independently
- Latching speed can be adjusted independently
- BW have back check function and adjustable speed
- BW are provided with back check and closing force adjustment functions.

Specification :

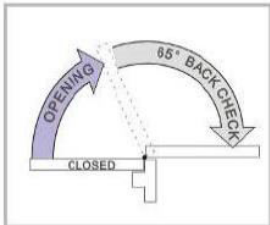
Model	Overall Dimension			Mounthole Dimension		Applicable Door Weight
	A (mm)	B (mm)	E (mm)	C (mm)	D (mm)	KGS
KC1005-4 BW	248	46	72	230	19	80 ~ 120





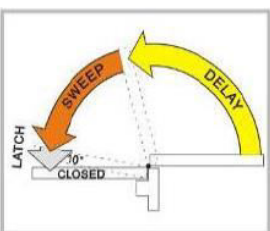
Closing and Latching Speed Control

The closing speed adjusts range from 180° to 15°, the latching speed adjusts range from 15° to 0°. This is to avoid unexpected shut of the door accidentally by wind or other force.



Adjustable Back Check

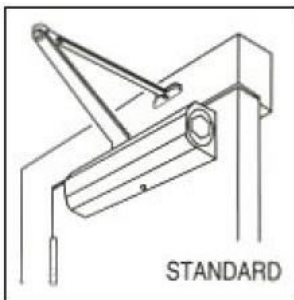
Back check function acts on door open from about 70° to avoid damage the door and door accessories.



Adjustable Delayed Action

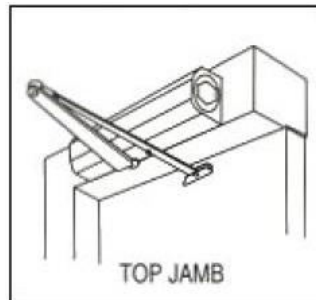
Delay function effects when closing from 180° to 65°, adjusting delay time to provide ample time for the disabled, elderly or small children, they may require greater closing time.

Installation Mode :



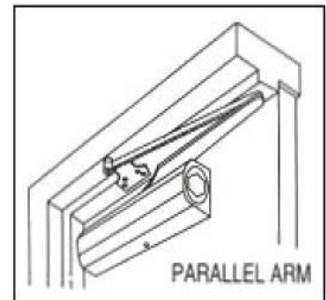
Regular Arm Installation

Closer install on PULL/HINGE side of door



Top Jam Installation

Closer install on frame-on PUSH/STOP side of door

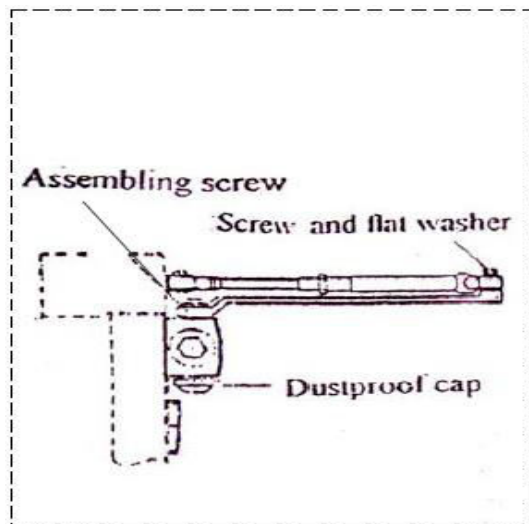
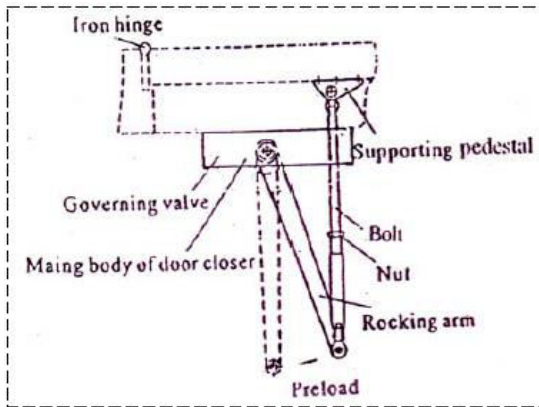


Parallel Arm Installation

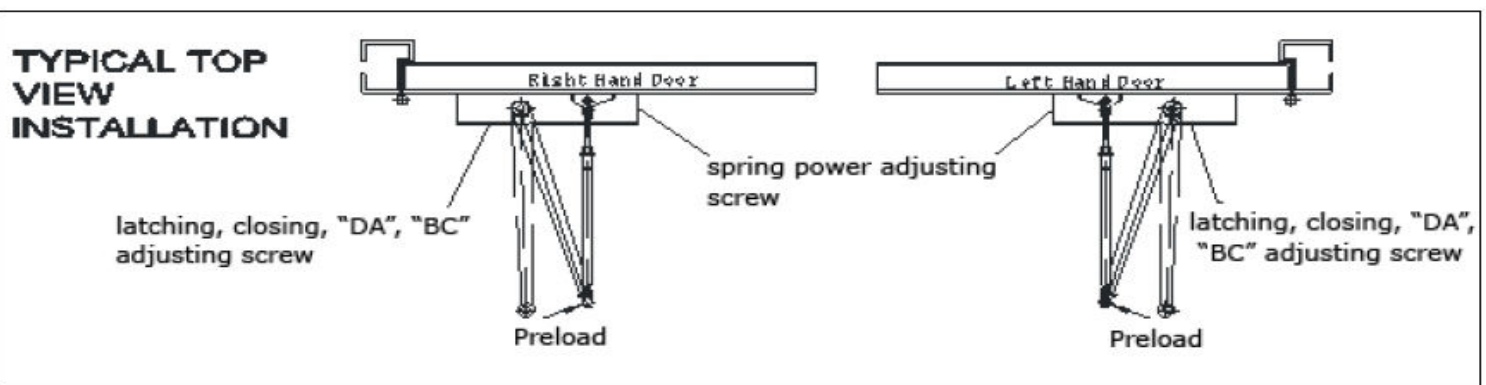
Closer install on PUSH/STOP side of door

Installation Instruction for Regular Arm Mounting :

This installation process covers regular arm installation up to 180° openings.

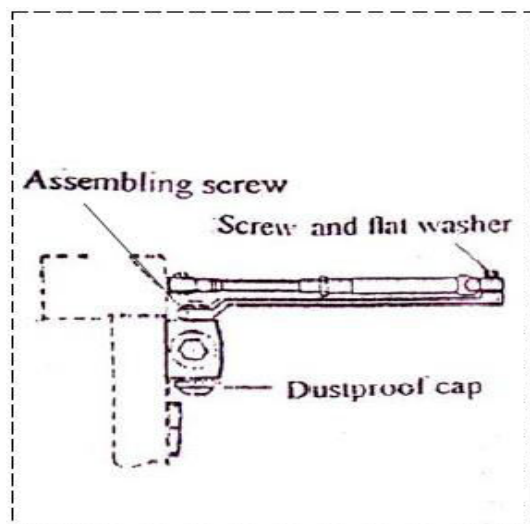
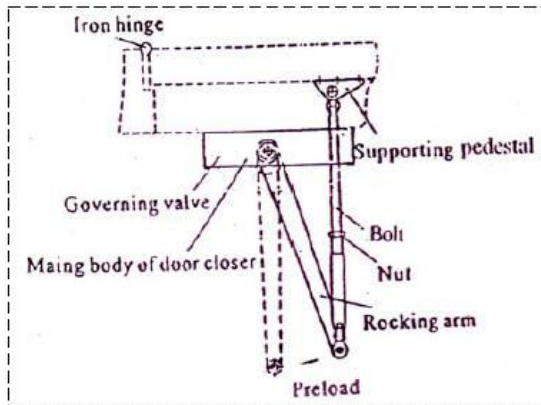


1. Mark four holes on the door for the door closer and two holes on the frame door for the door closer and two holes on the frame for the arm shoe.
 2. Drill 4mmØ pilot holes in the door and frame for the fixings supplied.
 3. Fix the forearm/arm shoe assembly to the door frame using the fixings supplied.
 4. Attach the closer to the door using the fixings supplied.
- Note:** The speed adjusting valve must be positioned towards the hinged edge of the door.
5. Install the main arm onto the top pinion shaft, perpendicular to the door as illustrated below. Tightly secure it in place using the screw/washer assembly supplied.
 6. Adjust the length of the forearm so that it is perpendicular to the door frame when assembled to preloaded main arm (see 'top view' illustration below). Secure the forearm to the main arm using the screw/washer assembly provided.
 7. Snap the pinion cap over the pinion shaft at the bottom of the closer unit.
 8. Adjust the closing speed of the door



Installation Instruction for Top Jamb Mounting :

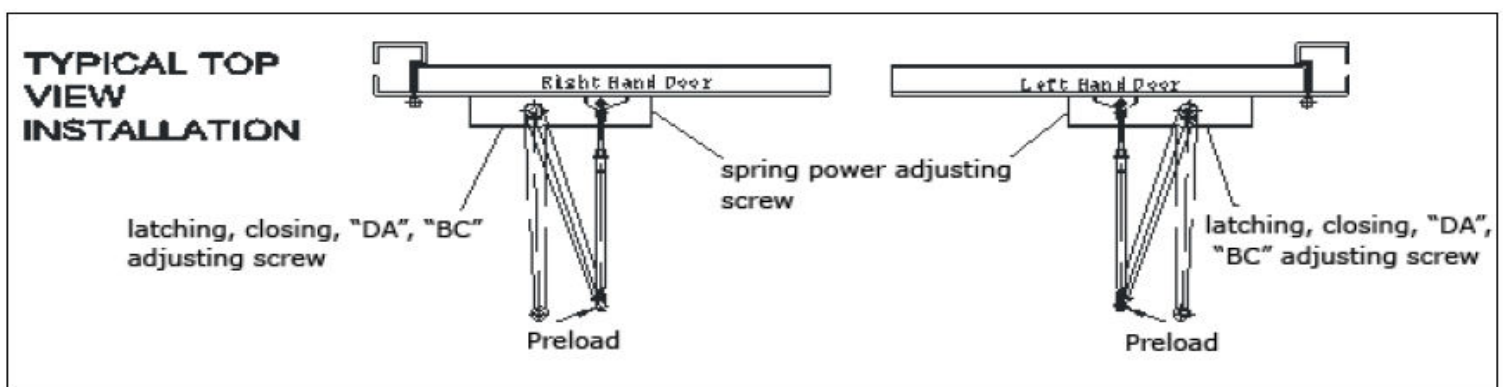
This installation process covers top jamb installation up to 180° openings.



1. Mark four holes on the door for the door closer and two holes on the frame door for the door closer and two holes on the frame for the arm shoe.
2. Drill 4mmØ pilot holes in the door and frame for the fixings supplied.
3. Fix the forearm/arm shoe assembly to the door frame using the fixings supplied.
4. Attach the closer to the door using the fixings supplied.

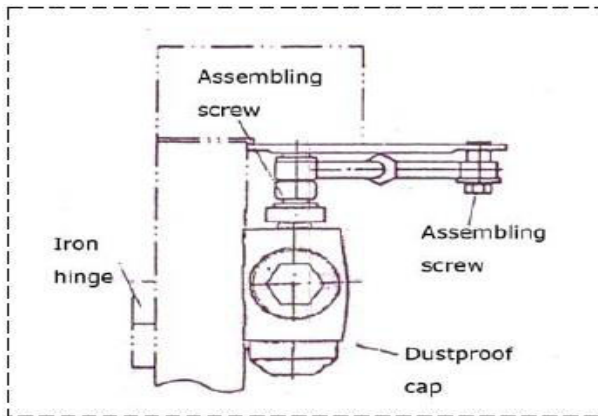
Note: The speed adjusting valve must be positioned towards the hinged edge of the door.

5. Install the main arm onto the top pinion shaft, perpendicular to the door as illustrated below. Tightly secure it in place using the screw/washer assembly supplied.
6. Adjust the length of the forearm so that it is perpendicular to the door frame when assembled to preloaded main arm (see 'top view' illustration below). Secure the forearm to the main arm using the screw/washer assembly provided.
7. Snap the pinion cap over the pinion shaft at the bottom of the closer unit.
8. Adjust the closing speed of the door



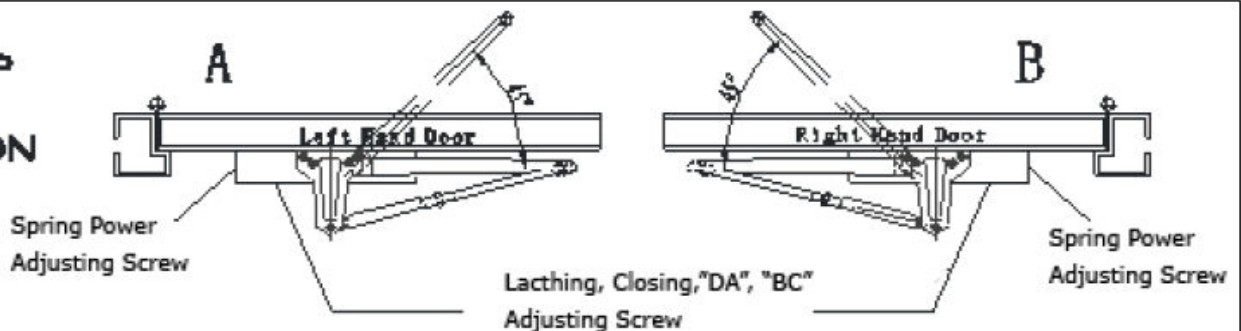
Installation Instruction for Parallel Arm Mounting :

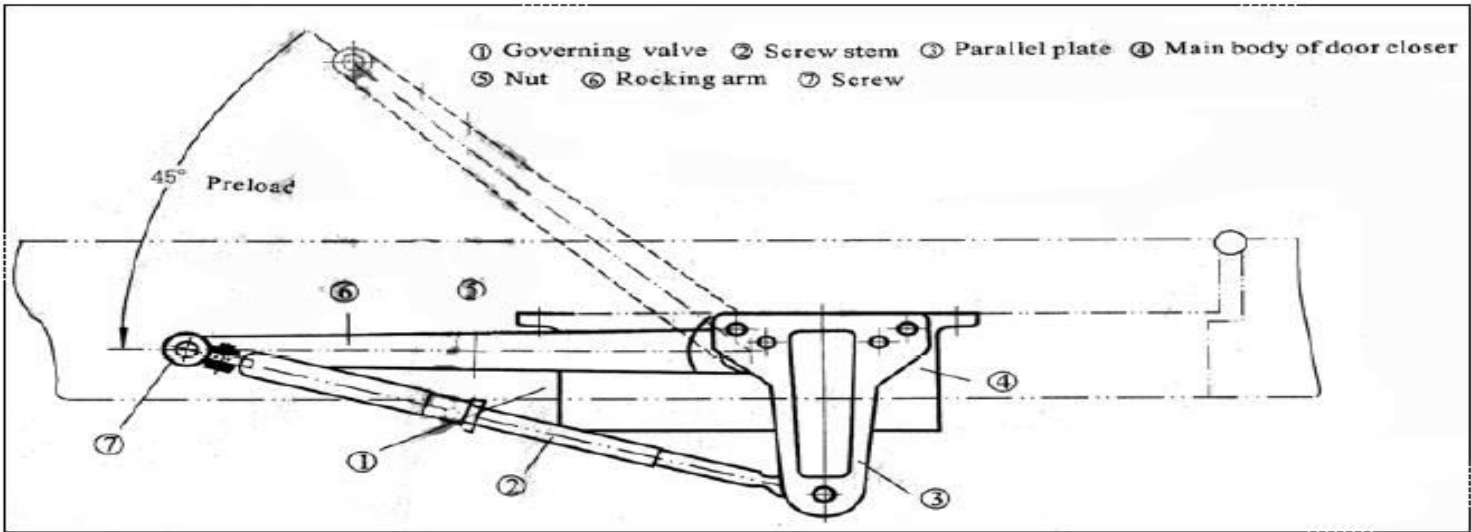
This installation process covers parallel arm installation up to 180° openings.



1. Mark four holes on the door for the door closer and two holes on the frame door for the door closer and two holes on the frame for the arm shoe.
2. Drill 4mmØ pilot holes in the door and frame for the fixings supplied.
3. Attach the closer to door using screws provided, speed adjusting valve must be positioned away from hinge edge.
4. Fix parallel arm bracket to the frame using screws provided.
5. Using a wrench on the square shaft at the bottom of the closer, rotate the shaft 100mm to 125mm towards the hinged edge of door. Hold and place the main arm of the shaft on top of the closer at the index mark, as on "top view" illustration below. Tighten arm screw with lock washer securely.
6. Remove arm shoe from forearm and discard. Install rod end of forecam to bracket using the screw/washer assembly provided.
7. Adjust forearm length so that adjustable forearm is parallel to the frame.
8. Adjust the closing speed of the door

TYPICAL TOP VIEW INSTALLATION





Door Closer Adjustment :

Closing Cycle :

Closing arcs (“CLOSE” and “LATCH”) are controlled by two (2) separate speed adjusting valves adjust the CLOSING speed first, then adjust the LATCHING speed.

“CLOSING” speed adjustment is accomplished by full rotations of the speed adjusting valve.

- Turn the speed adjusting valve CLOCKWISE for a SLOWER CLOSE arc closing speed.
- Turn the speed adjusting valve COUNTER-CLOCKWISE for a FASTER CLOSE arc closing speed.

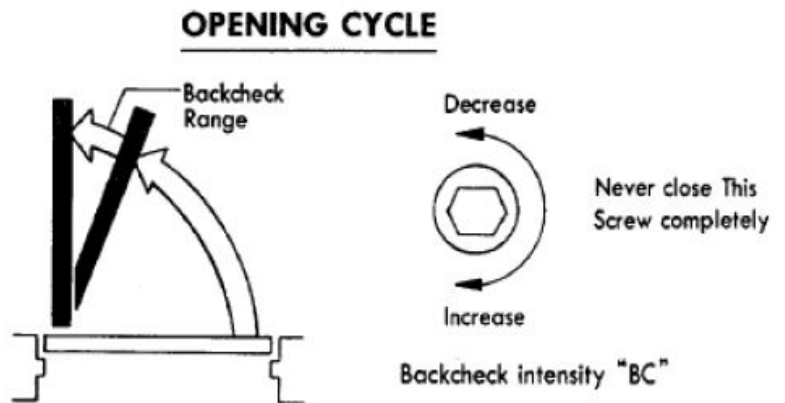
“LATCH” speed adjustment is accomplished by full rotations of the speed adjusting valve.

- Turn the speed adjusting screw CLOCKWISE for a SLOWER LATCH arc closing speed.
- Turn the speed adjusting screw COUNTER-CLOCKWISE for a FASTER LATCH arc closing speed.

CAUTION !! Do not turn speed adjusting valve more than two (2) full turns counter-clockwise from its factory set position, as two speed adjusting valves could become dislodged from the door closer body, resulting in the loss of internal fluid and failure of the device.

Back Check Control

- To increase back check intensity, turn back check control valve clockwise.
- To decrease back check intensity, turn back check control valve anticlockwise



Spring Power Control

- To increase opening force and closing force, turn the spring adjusting nut clockwise.
- To decrease opening force and closing force, turn the spring adjusting nut anticlockwise.

ADJUSTABLE SPRING MODELS

