

INSTALLATION INSTRUCTIONS

Art#: DC8316BC-G SERIES

DOOR CLOSER

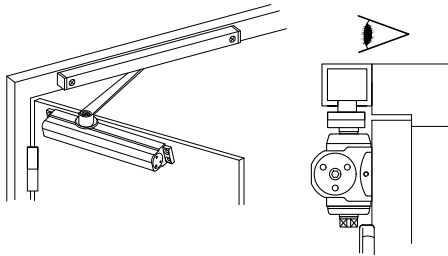
DURABLE
COLLECTION

Unit: mm

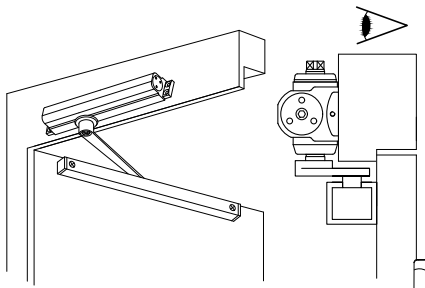
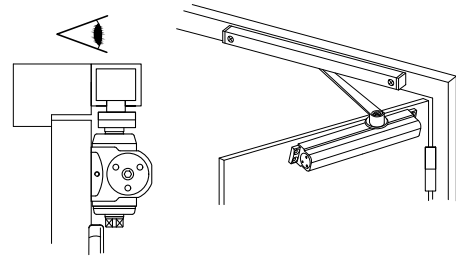
⚠ CAUTION

An improperly installed or incorrectly adjusted door closer can result in property damage or personal injury. Follow these instructions carefully to prevent misapplication or misadjustment.

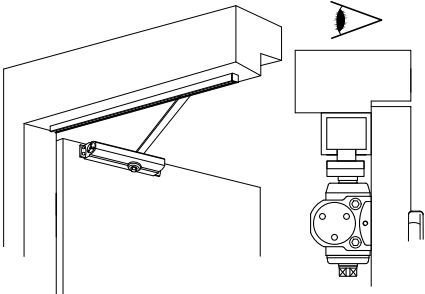
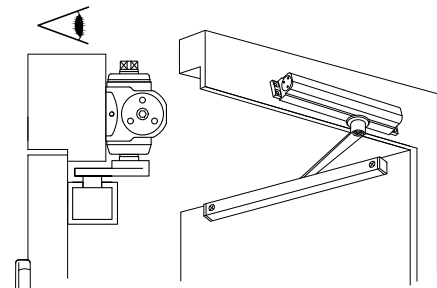
Adjustable power size by valve (1 to 6)
Grade 1, meets ANSI A 156.4



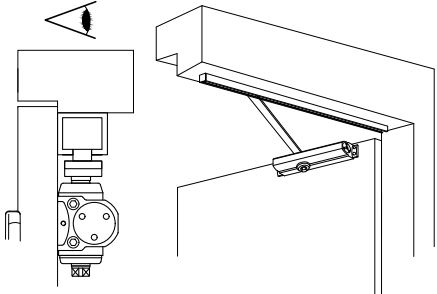
HINGE (PULL)
SIDE MOUNTING
MAX. OPENING 120°
PAGE 2



TOP JAMB (PUSH)
SIDE MOUNTING
MAX. OPENING 120°
PAGE 3



STOP FACE (PUSH)
SIDE MOUNTING
MAX. OPENING 85°
PAGE 4

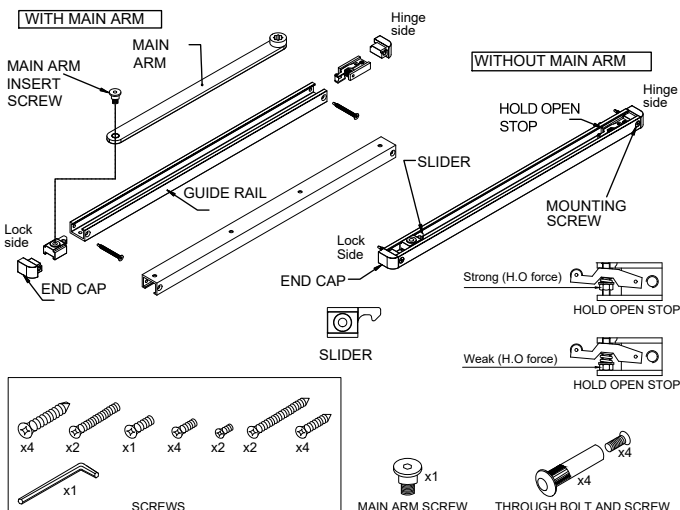


HOW TO ASSEMBLE GUIDE RAIL

HOW TO ADJUST CLOSER



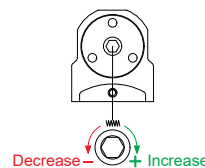
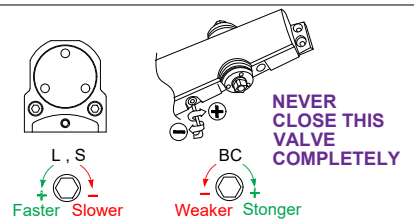
DUE TO SAFETY PURPOSE, THE FIRE RATED DOOR IS NOT ALLOWED WITH HOLD OPEN STOP



Adjusting the closing (S), Latching (L) speed, and Backcheck (BC)



DO NOT back the valves out of the closer, or a leaking will result.



Power Adjustment Chart

Leaf size mm	Full clockwise turns of closer power adjustment nut (from "0" turns)	
	interior door	exterior door
609.6 - 762	-4	0
762 - 863.6	0	5
863.6 - 965.2	6	10
965.2 - 1219.2	12	
1219.2 - 1371.6		

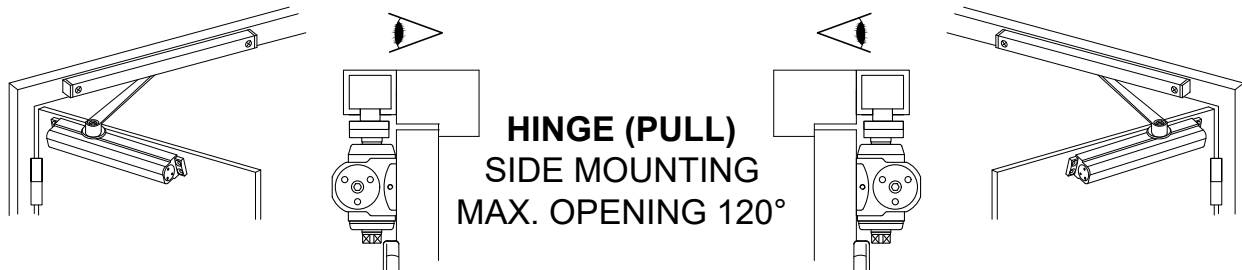
NOTE: Maximum of 20 turns (360°) of power adjustment Nut. Closer is shipped at 7 turns from the factory.

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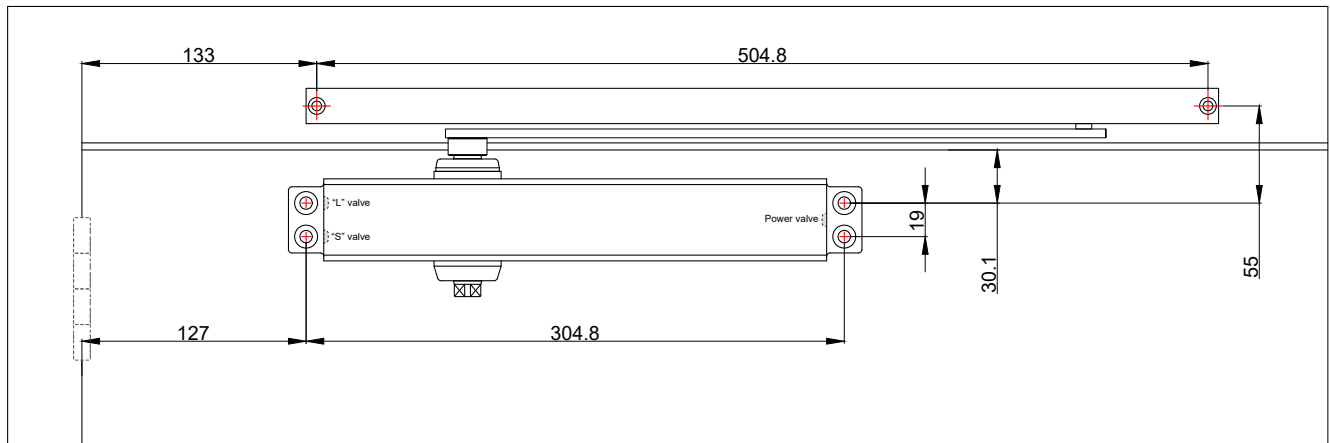
Art#: DC8316BC-G SERIES
DOOR CLOSER

DURABLE
COLLECTION

Unit: mm



Note: To reduce the swing angle, move the hold-open stop away from the pivot hinge in 12.7 mm increments until the desired angle is reached.



Installation Sequence:

1. Use template to locate holes on door and frame. Drill 1/8" pilot holes for the self tapping screws (steel doors).
2. Determine leaf width, adjust spring power of closer according to Page 1.
3. Fasten closer body to leaf with **POWER ADJUSTMENT NUT AWAY FROM HINGE**.
4. Fasten guide rail to frame face with open side facing down and with hold open stop end toward hinge edge of leaf.
5. Place slide arm on pinion shaft of closer at pre-load of 45 °angle out from leaf face.
6. Secure main arm with arm screw.
7. Secure other end of slide arm to track by screwing it to the slide insert. Open leaf to required opening angle. Then slide hold open stop up against slider insert and tighten down hold open stop via set screw.
8. Adjust door closer according to Page 1.

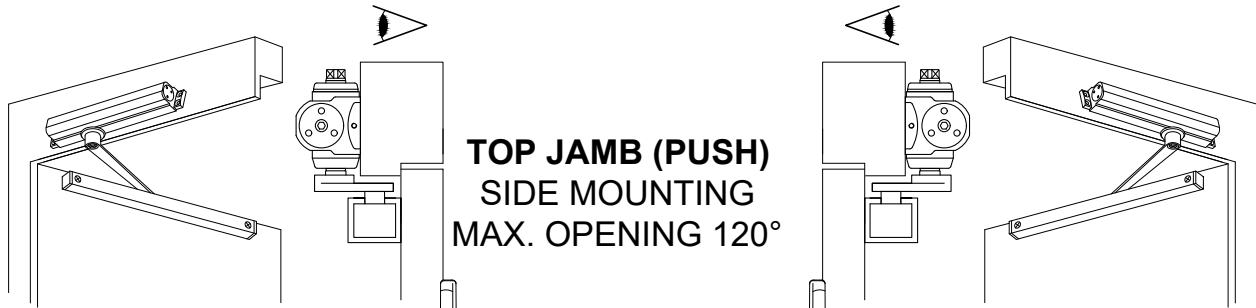
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Art#: DC8316BC-G SERIES

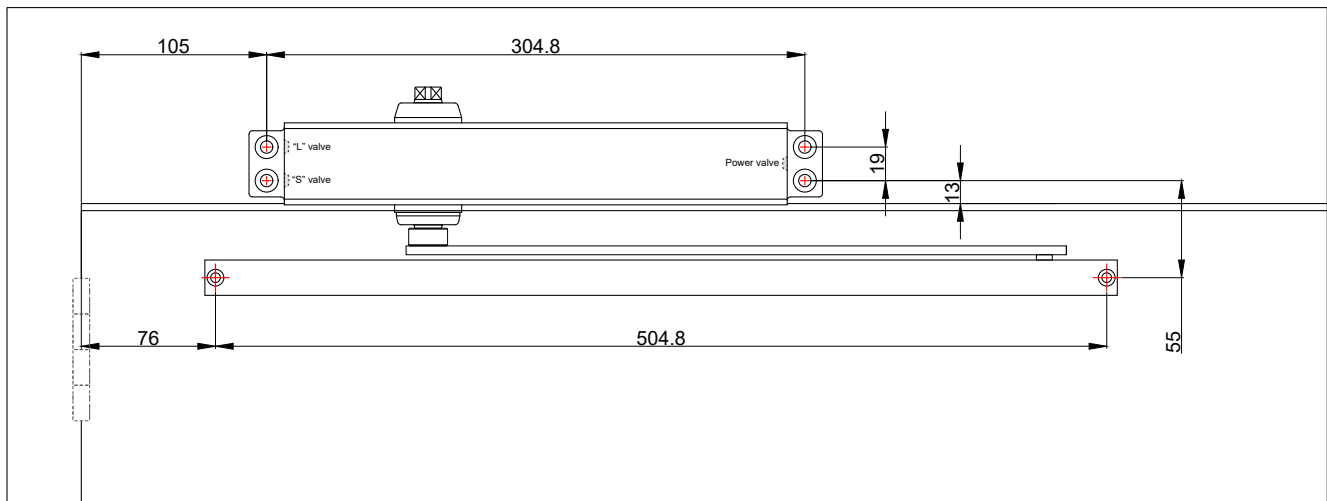
DOOR CLOSER



Unit: mm



Note: To reduce the swing angle, move the hold-open stop away from the pivot hinge in 12.7 mm increments until the desired angle is reached.



Installation Sequence:


1. Use template to locate holes on door and frame. Drill 1/8" pilot holes for the self tapping screws (steel doors).
2. Determine leaf width, adjust spring power of closer according to page 1.
3. Fasten closer body to leaf with **POWER ADJUSTMENT NUT AWAY FROM HINGE**.
4. Fasten guide rail to leaf face with open side facing up and with hold open stop end toward hinge edge of leaf.
5. Place slide arm on pinion shaft of closer at pre-load of 45° angle inside of leaf face.
6. Secure main arm with arm screw.
7. Secure other end of slide arm to track by screwing it to the slide insert. Open leaf to required opening angle. Then slide hold open stop up against slider insert and tighten down the hold open stop via set screw.
8. Adjust door closer according to Page 1.

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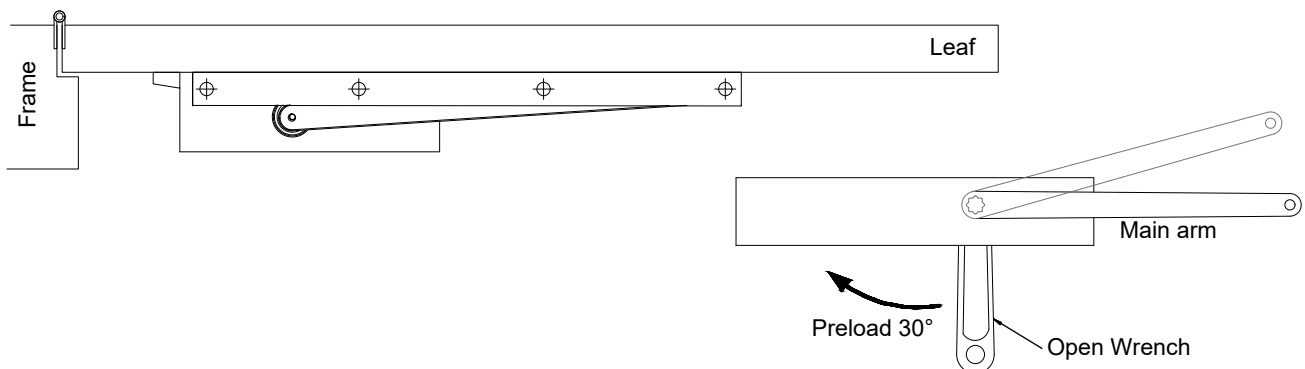
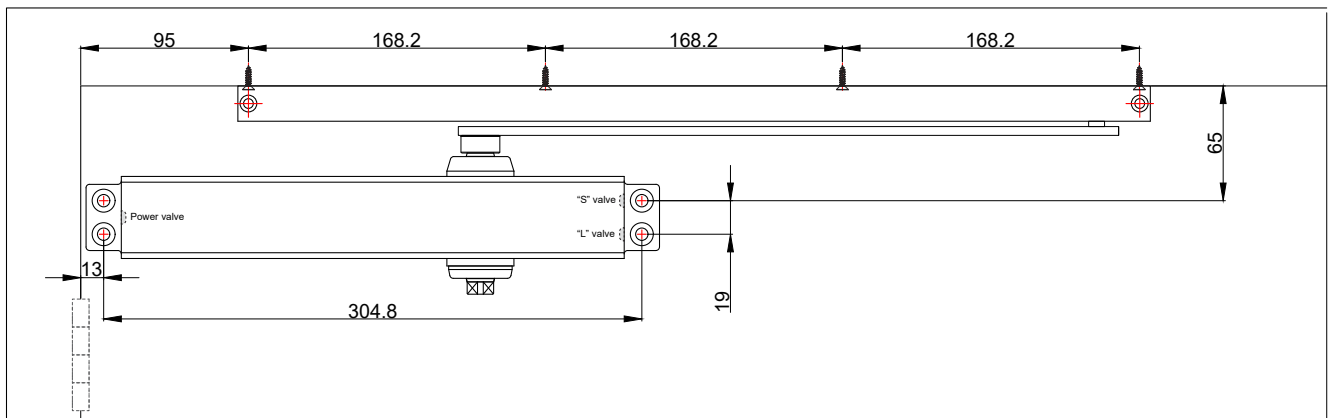
DURABLE
COLLECTION

Unit: mm

 **WARNING** Please do not open the door exceeding max. 85° otherwise it may cause door closer damage.

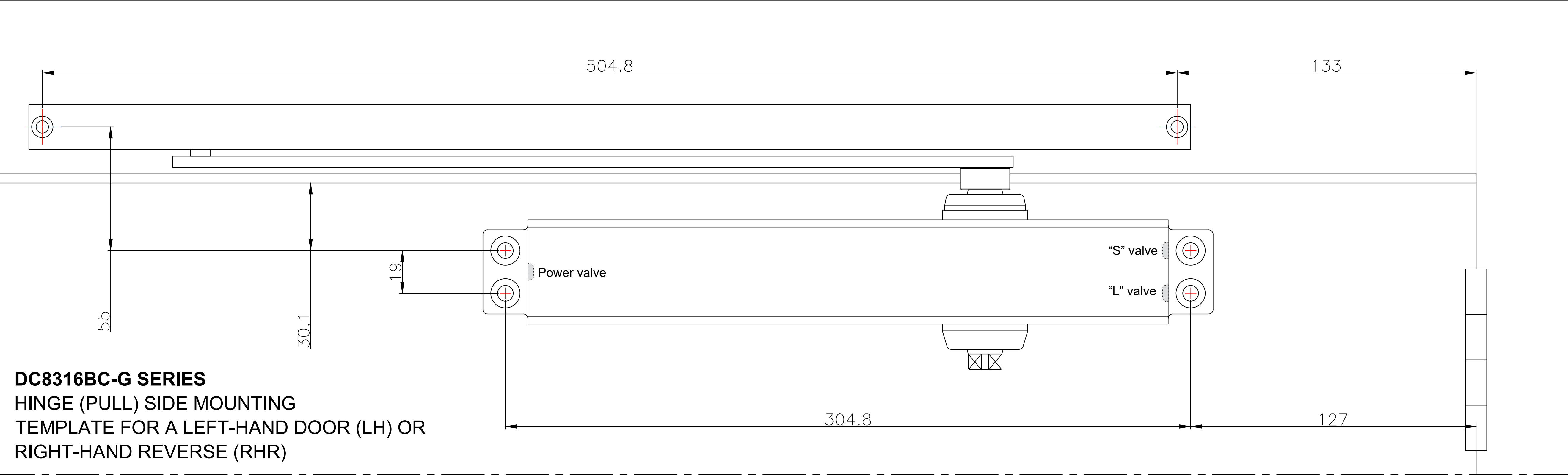


Note: To reduce the swing angle, move the hold-open stop away from the pivot hinge in 12.7 mm increments until the desired angle is reached.



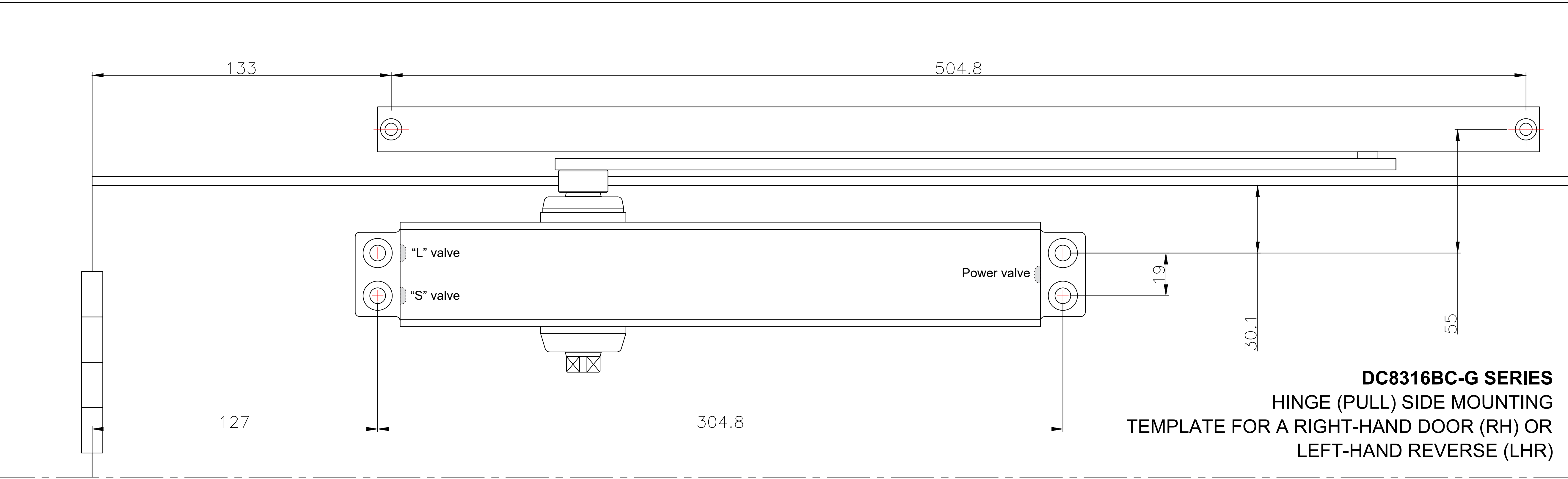
Installation Sequence:

1. Use template above to locate mounting holes on leaf and bottom of the frame.
Drill 1/8" pilot holes for the self tapping screws (steel doors).
2. Determine leaf width, adjust spring power of closer according to Page 1.
3. Fasten closer body to leaf with **POWER ADJUSTMENT NUT TOWARDS HINGE**.
4. Fasten guide rail to the underside of soffit with open side facing down and with hold open stop end toward hinge edge of leaf.
5. Use a open wrench to rotate spindle 30° toward hinge side.
6. Hold and Place main arm on the top of spindle shaft.
7. Secure main arm with arm screw.
8. Push main arm towards hinge to pre-load closer and then secure other end of main arm to track by screwing it to the slide insert. Open leaf to required opening angle and tighten hold open device.
9. Adjust the closer according to page 1.





WARNING:
PLEASE PRINT AT ACTUAL SIZE,
DO NOT SCALE TO FIT.



DC8316BC-G SERIES
TOP JAMB (PUSH) SIDE MOUNTING
TEMPLATE FOR A RIGHT-HAND DOOR (RH) OR
LEFT-HAND REVERSE (LHR)

