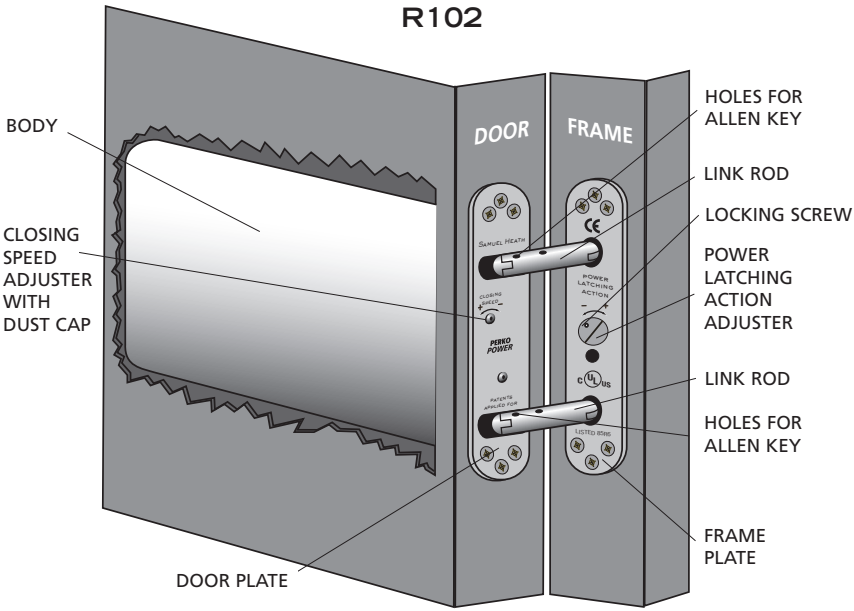
PERKOPOWER

The Third Generation Concealed Door Closer

R102



IMPORTANT NOTICE - FOR FIRE DOOR INSTALLATIONS REFER TO ITEM 1 IN FITTING INSTRUCTIONS

- CE marked and adjustable to conform to power size 3 of Controlled Door Closing Device. BS EN1154: 1997 (Test door 132lbs).
- UL Approved to UL 10B, UL 10C and UL 228. ADA Compliant.
- 1 Hour Fire Test BS EN1634-1: 2000.
- Adjustable speed control.
- Adjustable power latching action.
- 1 1/2 pairs of hinges should be used in conjunction with this closer on all doors.
- Suitable for doors opening to a maximum of 105°. A door stop should be fitted.
- Maximum door weight 175lbs, width 36".
- Suitable for latched and unlatched doors.
- Should **NOT** be used with rising butt hinges or concealed mortice hinges.

PLEASE READ FITTING INSTRUCTIONS THOROUGHLY BEFORE INSTALLATION.

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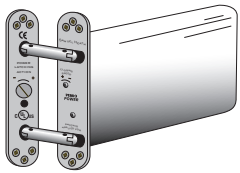
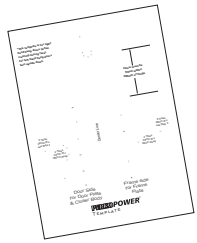
PARTS LIST

(A)



Door Closer - x 1

(B)



Template - x 1

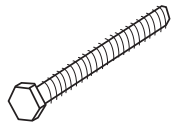
(C)

Allen Keys - x 2

(D)

Screws - x 12

(E)



Extractor Bolt - x 1

(F)

Allen Key for Adjuster Screw (Locking) x 1

CHECK ALL COMPONENT PARTS AGAINST PARTS LIST.

TOOLS REQUIRED

- Screwdriver (Plain Slotted)
- Screwdriver (Phillips)
- Wood Chisel 1"x 7"
- Solid Centre Auger Bit or Spade Bits $1\frac{1}{16}$" Ø and $1\frac{1}{8}$"Ø
- Bradawl
- Power Drill
- Tape Measure
- Pencil
- Adjustable Spanner
- Ruler

The use of a Souber morticer is suggested for multiple on site installations.

(Available from Souber Tools)

www.morticer.com

A DBB morticer, a long shaft and WB25, WB27, and WB29 cutters will be required

Eye Protectors, Ear Defenders and a Face Mask are recommended during installation of Perkopower.

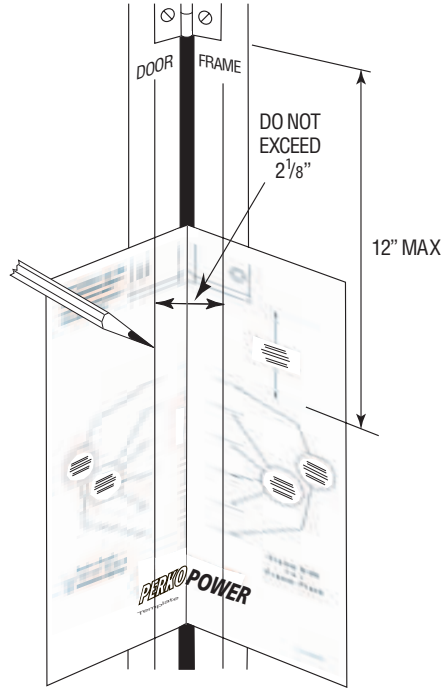
1 IMPORTANT NOTICE

DOOR CLOSERS FITTED TO A FIRE DOOR.

- Perkopower, conforms to Power Size 3 of Controlled Door Closing Device Standard BS EN1154:1997 when the power latching action is set to maximum.
- Turn adjuster screw fully to positive (+) as explained in 9.
- Closer must be fitted no more than 30" from floor and within 12" of a hinge.
- Closer and plates should be bedded in Alfacryl FR Intumescent Acrylic Mastic available from Samuel Heath.

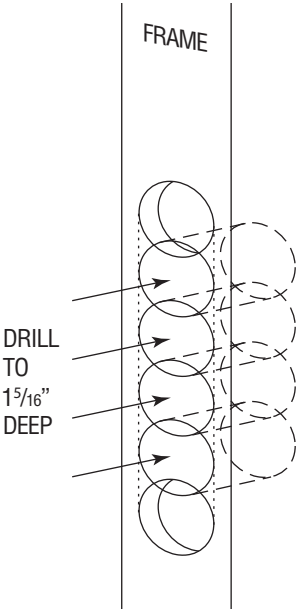
2 TEMPLATE POSITIONING

- Ensure door is plumb, hinges are free, and that timber is sound.
- Take template provided and fold along center line. Open door to maximum of 105°.
- Secure template to door edge and frame edge within 12" of a hinge ensuring the center line is central in the gap between door and frame.
- Draw a vertical line at the center point of the door edge on the template. **NB** *This line must not exceed 1 1/4" from template center line.*



- Repeat on frame edge.
- The maximum distance between these 2 vertical lines must not exceed 2 1/8" when door is opened to its maximum of 105°.
- At each point on the template where the vertical lines cross the horizontal dotted lines mark through the template using a bradawl into the door edge and frame edge to establish drilling points. Remove template RETAIN FOR REFERENCE.
- Note: Door can now be removed from frame to assist drilling if preferred.

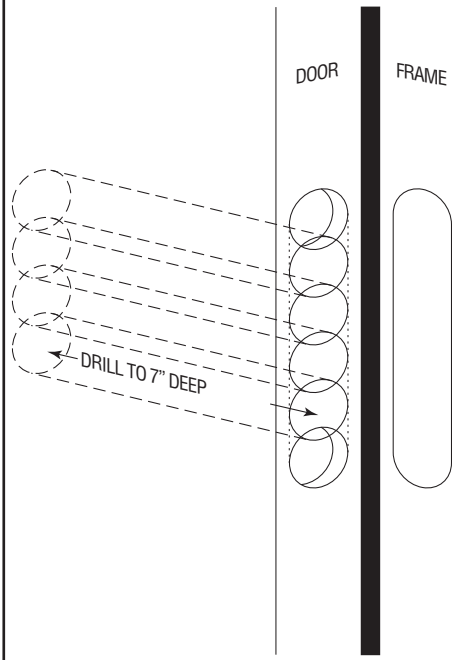
3 FRAME PREPARATION FOR FRAME PLATE



NB *To ensure correct operation of closer there must be a 1/8" gap between the two fixing plates when the door is in the closed position.*

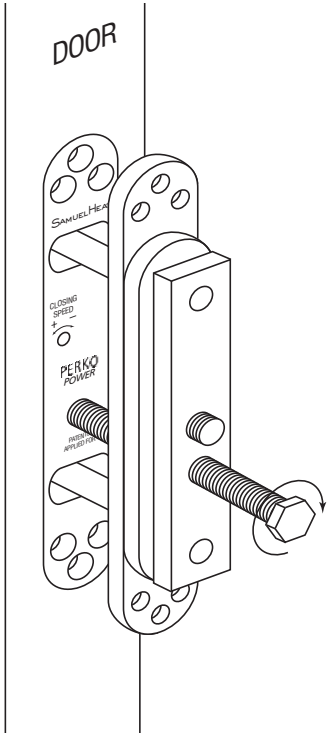
- Drill 4 x 1 1/8" Ø holes 1 5/16" deep to accept frame plate assembly as indicated on template.
- Drill 2 x 1 1/8" Ø holes to accept frame plate ends. Depth must cater for 1/8" gap between plates when fitted.
- Remove excess timber between drilled holes to accommodate frame plate.

4 DOOR PREPARATION FOR BODY & DOOR PLATE



- Drill 4 x 1 1/16" Ø x 7" deep holes to accept closer body as indicated on the template.
- Drill 2 x 1 1/8" Ø holes to accept door plate ends. Depth must cater for 1/8" gap between plates when fitted.
- Remove excess timber between drilled holes to accept the closer body and door plate.

5 INSTALLING CLOSER



• Insert closer body into door.
• Insert extractor bolt (E) into position and rotate clockwise until holes in link rods appear.
• Generally for thicker doors expose both holes on each rod.

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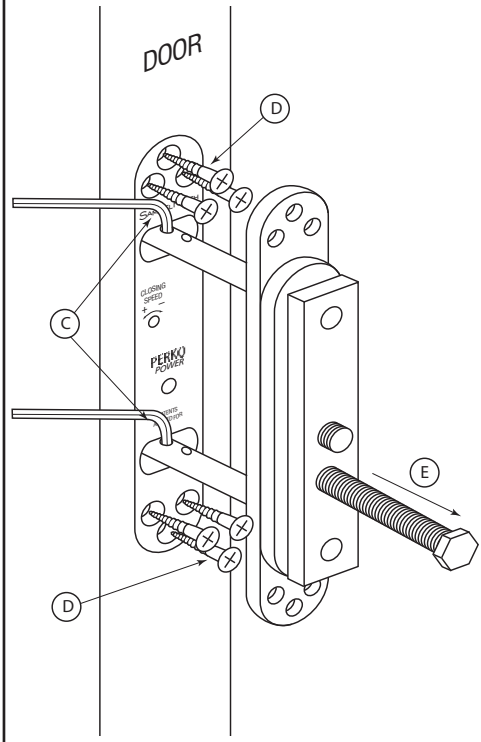

• Insert the allen keys (C) through both top and bottom link rod holes.
Both allen keys must be correctly located.
• Remove extractor bolt.
• Secure door plate to door with six screws (D).

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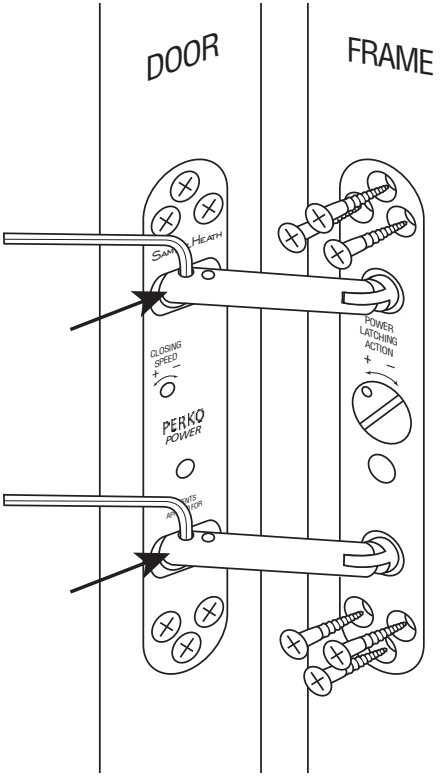
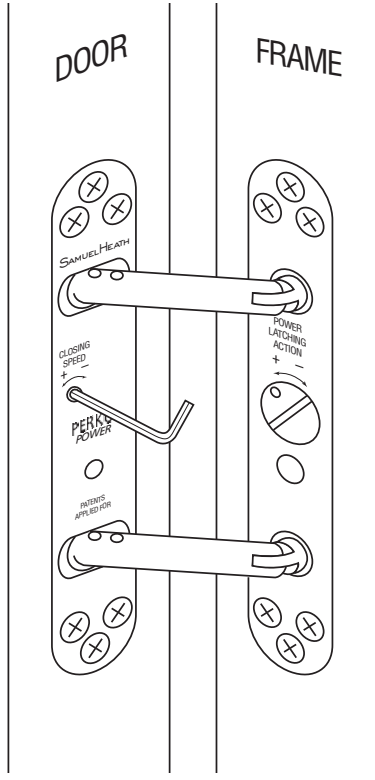


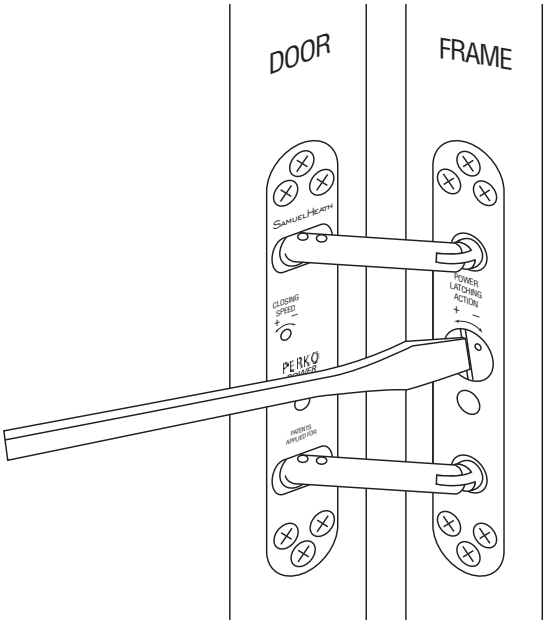
• With closer now held open by allen keys, if necessary firmly push both link rods across door plate and offer frame plate into frame void. Secure with six screws (D).
• Open door slightly and remove allen keys.
• Installation is now complete.

8 ADJUSTMENT - CLOSING SPEED



• Remove dust cap.
• use one of the allen keys (C) to adjust closing speed.
• Positive (+) increases door speed.
Negative (-) reduces door speed, as indicated on door plate.

9 ADJUSTMENT - POWER LATCHING ACTION



• The power latching action can be adjusted using a plain flat ended screwdriver.
• Loosen locking screw using allen key (F) to allow the adjuster screw to turn.
• Positive (+) increases the angle at which latching action engages.
Negative (-) decreases angle at which the latching action engages.
• Re-tighten locking screw when correct power latching action achieved.

The Perkopower is protected by the following Patents and Applications.

CANADA	2365822 2436363
HONG KONG	1038953
JAPAN	2000-602490
SINGAPORE	82862
TAIWAN	156554
USA	6625847 2004/0111831
UK	1159503 02740038.1 0413132.2
AUSTRIA	1159503 02740038.1
BELGIUM	1159503 02740038.1
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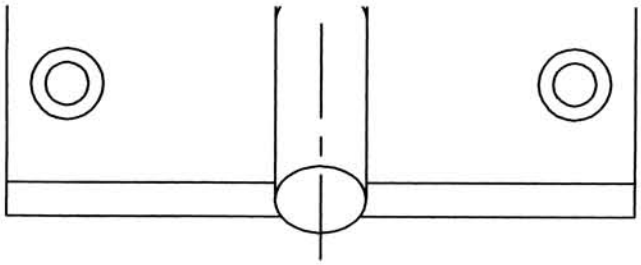
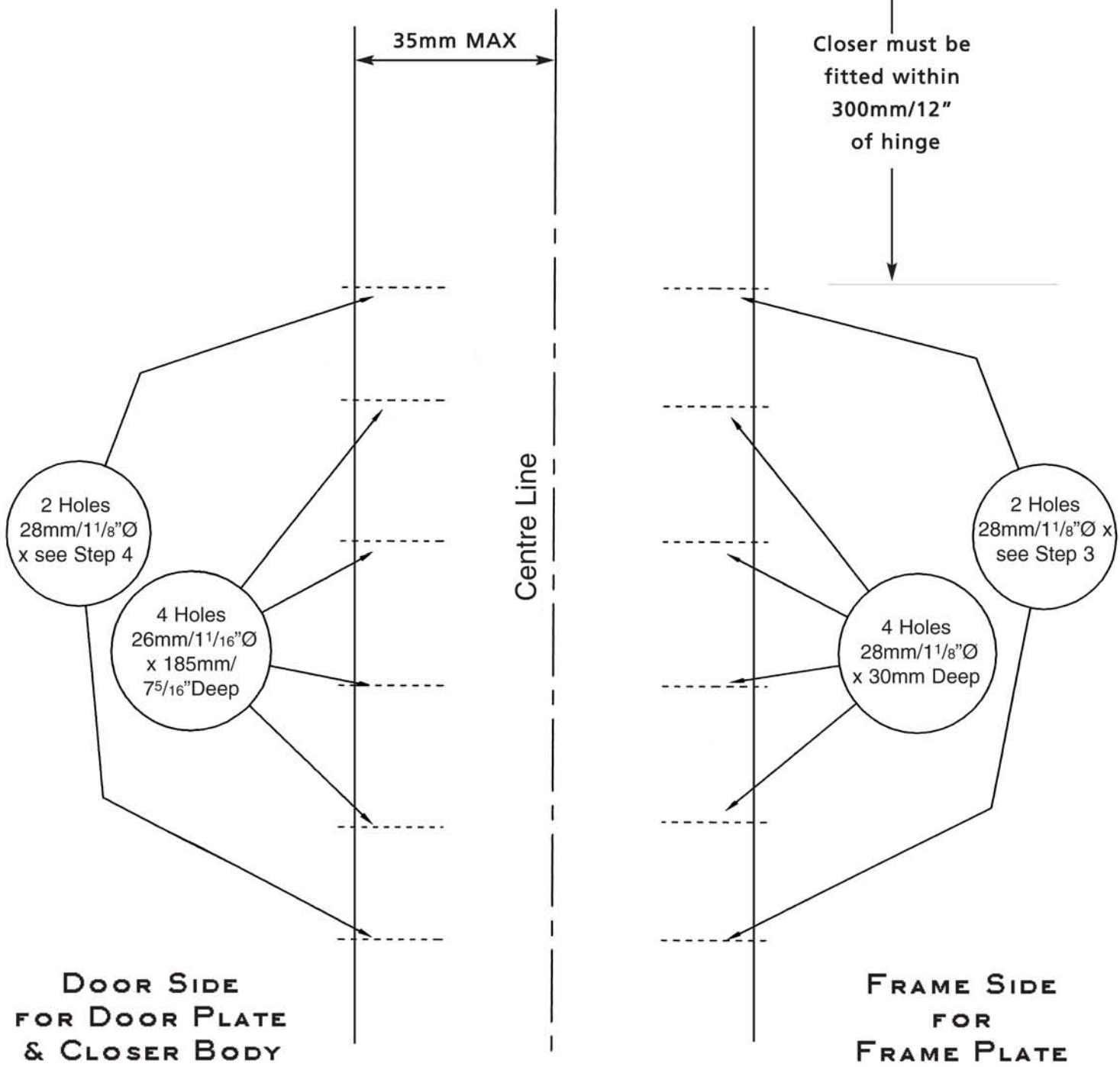
*This template is for right hand hung doors (when viewing closing face).
For left hand hung doors turn upside down.





PERKOPOWER®

TEMPLATE