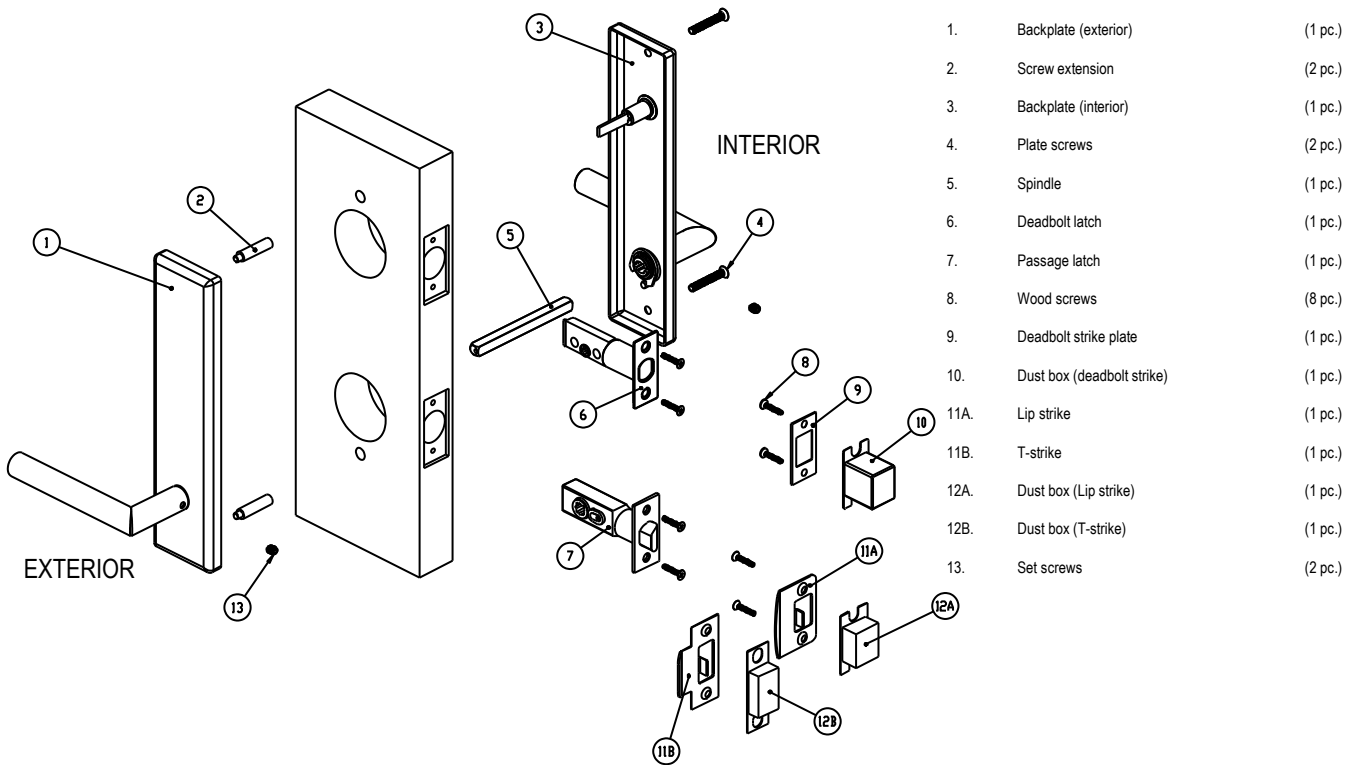


Installation Instructions for Karcher DESIGN UEL PAT backplate

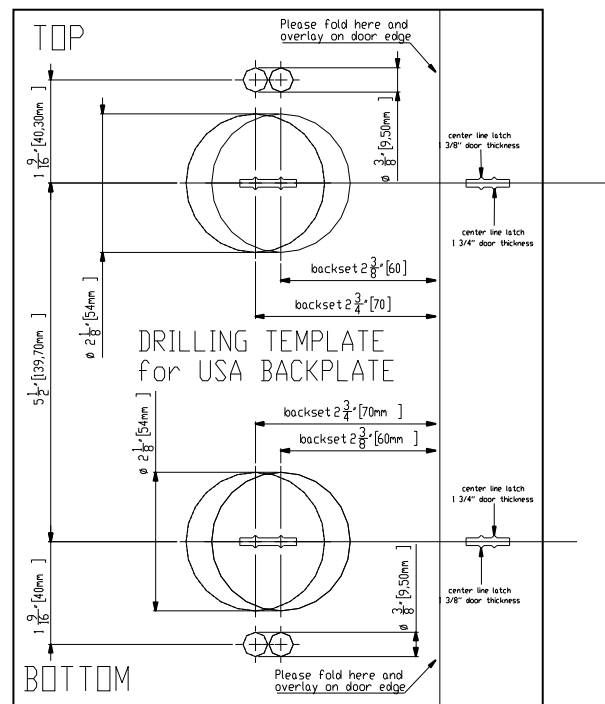
**KARCHER
DESIGN**

KARCHER DESIGN NA
235 W. Paul Ave
Clovis, CA 93612-0250
United States of America



1. Door preparation

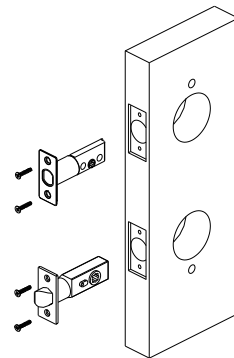
- Draw two parallel, 3" (76mm) long center lines on each side of the door, with a vertical distance of 5 1/2" (139.7mm) between them. These are the center lines for the two 2 1/8" (54mm) holes.
- Fold the drilling template over the edge of the door and mark the center point of the 2 1/8" (54mm) holes at either 2 3/8" (60mm) or 2 3/4" (70mm) backset. This depends on your deadbolt or latch backset requirements.
- Mark the corresponding center points of the 3/8" (9.5mm) holes.
- Consider that different door thicknesses will result in different distances to the center lines when using this template.



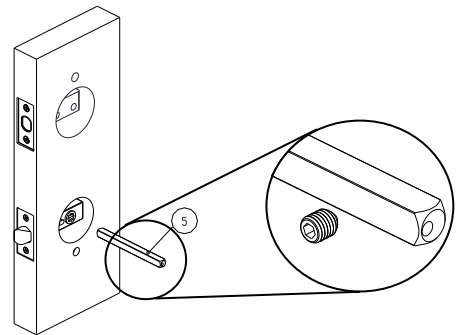
pic 1 (sample)

-
- Technical drawing of a bolted connection. The main view shows a cross-section of a plate with two bolts. Dimensions include: plate thickness $2 \frac{5}{16}$ [58mm], bolt diameter $2 \frac{3}{8}$ [60mm] and $2 \frac{3}{4}$ [70mm], bolt spacing $1 \frac{9}{16}$ [40.30mm], $5 \frac{1}{2}$ [139.70mm], and $8 \frac{11}{16}$ [220mm]. A detail view 'pic 2' shows the bolt head and nut with dimensions 1' [26mm] and 1' [25.40mm]. A 3D perspective view of the bolt is also shown.

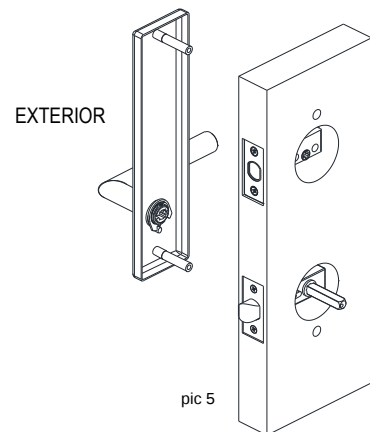
Karcher Design products are designed and measured in metric. The imperial measurements are close approximations to the actual metric dimensions



pic 3



pic 4



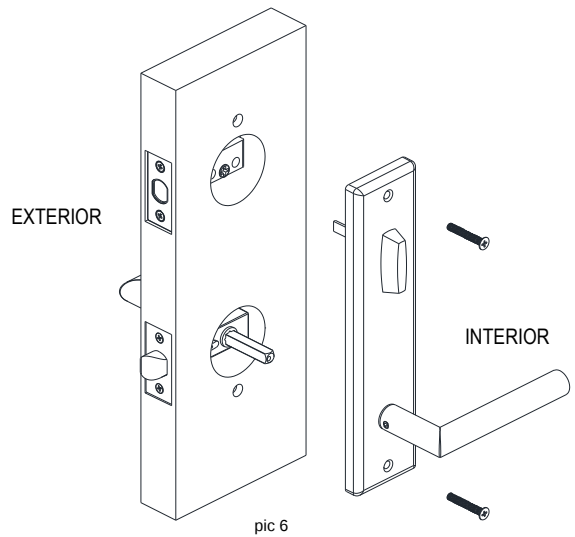
pic 5

5. Installation of exterior backplate

- Place the interior plate (3) onto the door, making sure to align the tailpiece of the turn/release with the latch (7). The tailpiece may need to be shortened depending on the door thickness.
- Insert the plate screws (4) through the interior backplate (3) into the door and tighten them.
- Tighten the set screw (13) to connect the interior lever handle with the spindle (5)

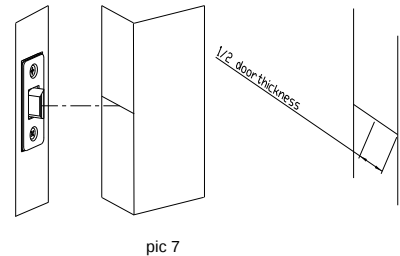
Choose the correct plate screws for various door thicknesses:

Door thickness	Plate screw length
1 3/8" (35mm)	1 9/16" (40mm)
1 3/4" (45mm)	1 9/16" (40mm)
2 1/8" (55mm)	2 3/8" (60mm)
2 1/2" (65mm)	2 3/8" (60mm)



6. Installation of Strike Plates

Determine the door thickness. Mark the position of the latch tongue at the door frame for the location of the strike plate. Draw a horizontal center line. The center of the dust cover has to be determined by measuring half a door thickness from edge of the door leaf. Take this measurement from the side of the door leaf in the direction the door opens.



6.A.: Deadbolt Strike

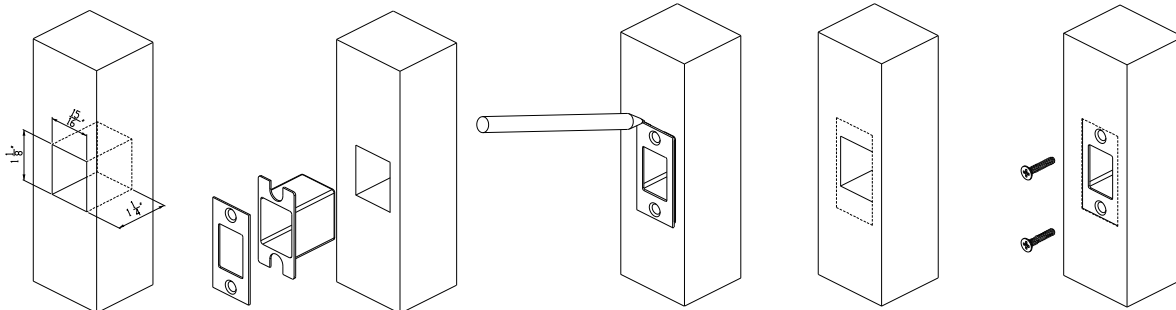
6.A.1: Cut out a 1 1/8" x 15/16" x 1 1/4" (29mm x 24,5mm x 32mm) base around the determined center.

6.A.2: Insert the dust cover in the pocket and put the deadbolt strike plate on top.

6.A.3: Use the deadbolt strike as a template and mark the outer edge with a pencil.

6.A.4: Cut out the marked area to a depth of 3/32", so that the deadbolt strike plate is flush.

6.A.5: Install the deadbolt strike using the wood screws provided.



pic 8

6.B.: Lip Strike

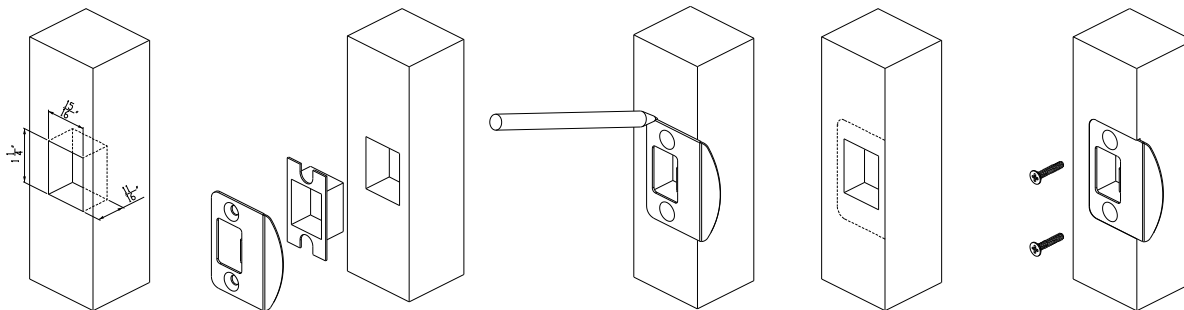
6.B.1: Cut out a 1 1/2" x 15/16" x 11/16" (31mm x 24,5mm x 17mm) base around the determined center.

6.B.2: Insert the dust cover in the pocket and put the lip strike plate on top.

6.B.3: Use the lip strike as a template and mark the outer edge with a pencil.

6.B.4: Cut out the marked area to a depth of 3/32", so that the lip strike plate is flush.

6.B.5: Install the lip strike using the wood screws provided.



pic 9

6.C.: T-Strike

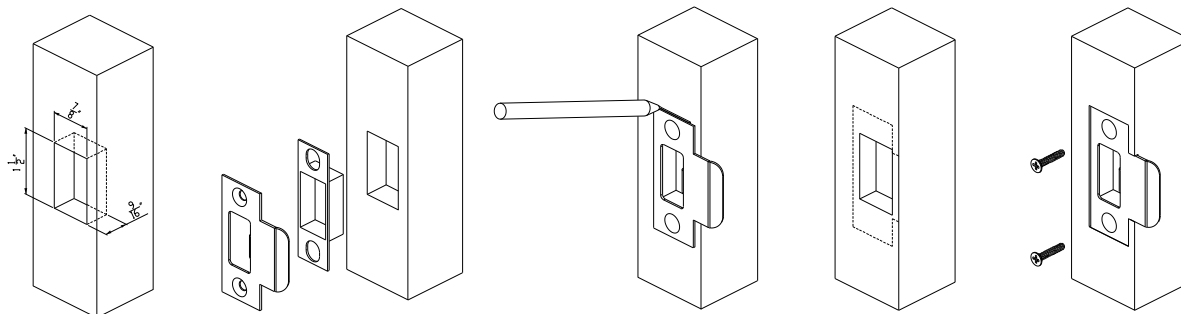
6.C.1: Cut out a 1 1/2" x 7/8" x 9/16" (38mm x 23mm x 14mm) base around the determined center

6.C.2: Insert the dust cover in the pocket and put the T-strike on top

6.C.3: Use the T-strike as a template and mark the outer edge with a pencil.

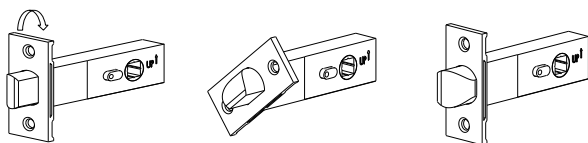
6.C.4: Cut out the marked area to a depth of 3/32", so that the T-Strike is flush

6.C.5: Fix the T-Strike using the wood screws provided.



pic 10

7.Change of latch tongue direction (28° latch)



pic 11

Turn forend plate by 180°.

Limited Warranty – USA & Canada Only

Karcher Design warrants to the original purchaser and first consumer owner that its products shall be free from defects in material or workmanship for 2 years after purchase.

Subject to the conditions stated below, Karcher Design shall repair or replace (at our sole discretion) any defective product at no further charge.

This warranty is valid only for the original purchaser and first consumer owner and is not transferable.

This warranty *only* applies to products purchased directly from an authorized dealer of Karcher Design products. Our website contains a list of authorized dealers. You may be asked for proof of purchase, so please retain your receipt.

To obtain warranty service, please contact an authorized reseller dealer directly. Do not contact Karcher Design directly with warranty questions.

This warranty does not apply to ordinary wear and tear or to damage caused by conditions beyond Karcher Design's control, including but not limited to accidents, lack of reasonable care, weather conditions, improper installation or maintenance, alteration, or abuse. In particular, this warranty does not apply to products that are not intended to be used outdoors (including products made out of wood, leather, carbon, glass, laminate, and satin nickel) that are in fact used outdoors.

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No representative or employee of Karcher Design is authorized to make any modification or addition to this warranty.

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