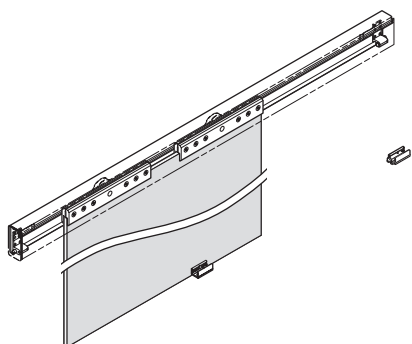




KSUG Glass Sliding Door Hardware Installation Manual



■ To installers

Please read this manual carefully before installing, and perform the installation correctly.

⚠ Caution

Improper installation may cause injury not only during the installation but also during subsequent use. Please read and understand this document and observe the precautions.

■ Specification

Door height	Max. 3000mm
Door (glass) thickness	KSUG-2974/60: 8 mm
	KSUG-2984/90: 10 mm
Door weight (per door)	KSUG-2974/60: Max. 60 kg
	KSUG-2984/90: Max. 90 kg

Note: This hardware is for tempered or laminated glass door only. Acrylic cannot be used.

■ Included Parts

Glass bracket ... 2 sets ^{*1} (For KSUG-2974/60)	Glass bracket ... 2 set ^{*1} (For KSUG-2984/90)	Upper stopper ... Left / Right 1 pair ^{*2} (For KSUG-2974/60)	Upper stopper ... Left / Right 1 pair ^{*2} (For KSUG-2984/90)
Bottom guide ... 1 each	Lower stopper A ... 2 each	Lower stopper B ... 2 each	Screw set Flat head hex socket bolt: 12 each Pan-head phillips tapping screw: 2 each Flat-head phillips tapping screw: 4 each
Rail end cover ... Left / Right 1 pair	Screws for rail end cover ... 4 each	Pull --- 2 each	*1 and *2: Either one of each will be supplied depending on the type purchased
Top cover clips ... 9 each	Upper rail	Sealing brush	
		Glass edge pad (Optional)	

■ Necessary Tools for installation

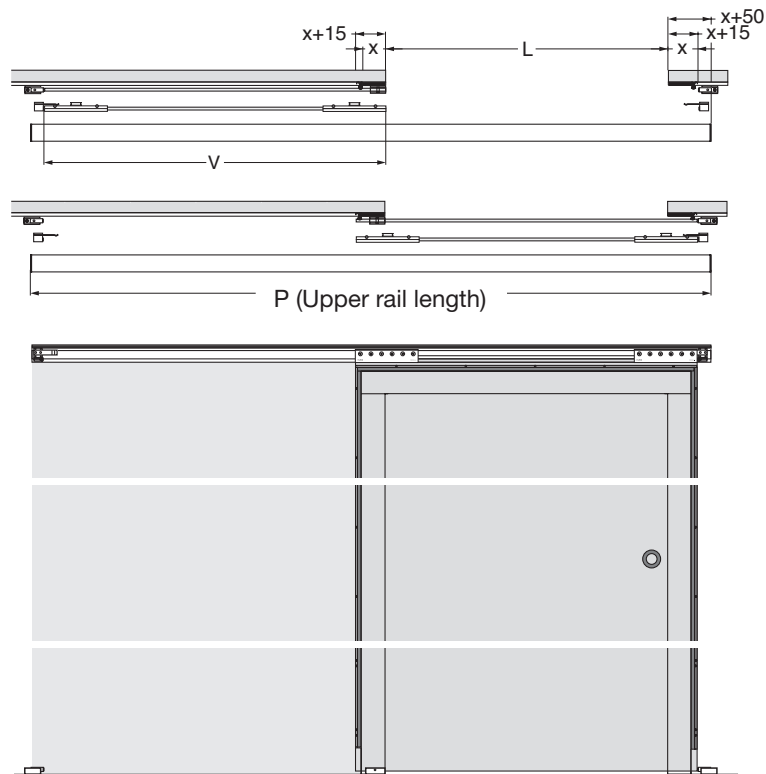
Phillips screwdriver, Allen key (Hex size 2.5mm)

Torque wrench with hex key (for hex socket size 4mm, tightening torque 15Nm (132.75 in-lbs))

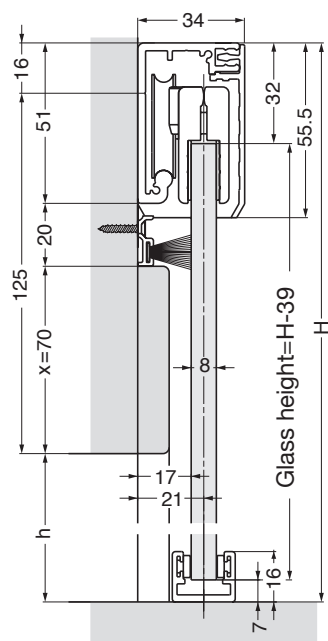
■ Dimensions

(Unit: mm)

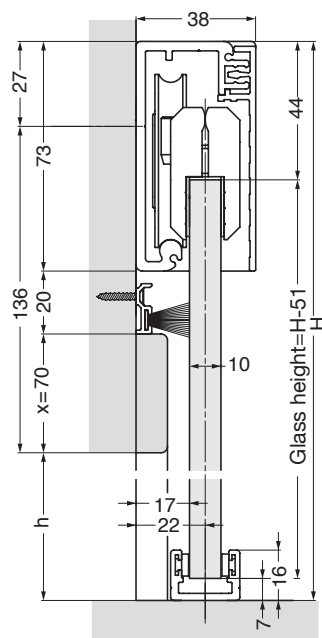
Door width $V = L + 2X + 30$



KSUG-2974/60

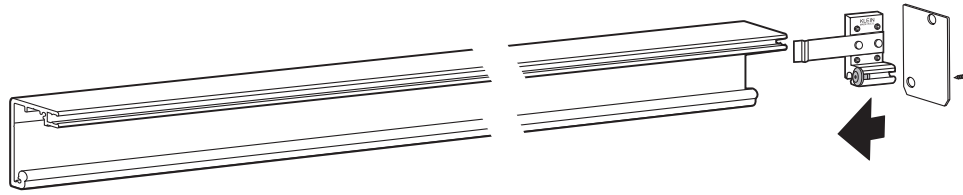


KSUG-2984/90



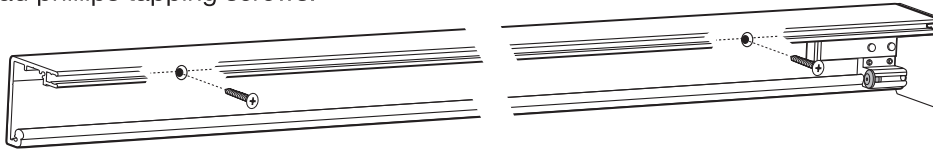
Installation Instruction

- 1 Install one set of upper stopper and rail end cover onto upper rail



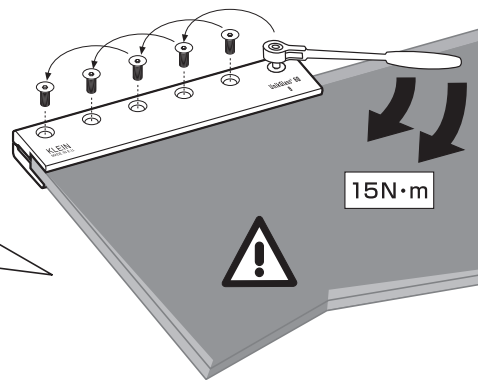
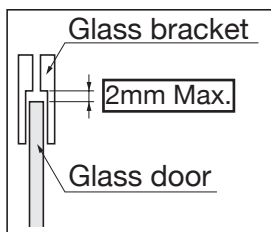
- 2 Install the upper rail to the wall

Use flat-head phillips tapping screws.



- 3 Install the glass brackets on the glass door

IMPORTANT



<Tightening conditions>

Gap between top of glass door and glass bracket: 2mm Max.

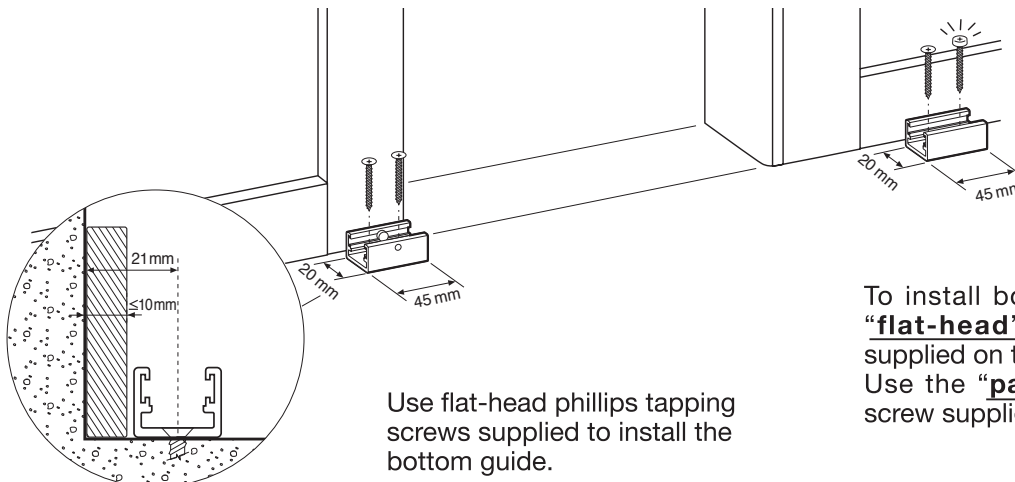
Tightening torque of the bolts: 15 N·m
(132.75 in-lbs)

Tighten the flat head hex socket bolt (M6 x 14, 4mm hex socket) supplied using a torque wrench.

⚠ Caution

Follow the tightening conditions, or the glass door may fall off.

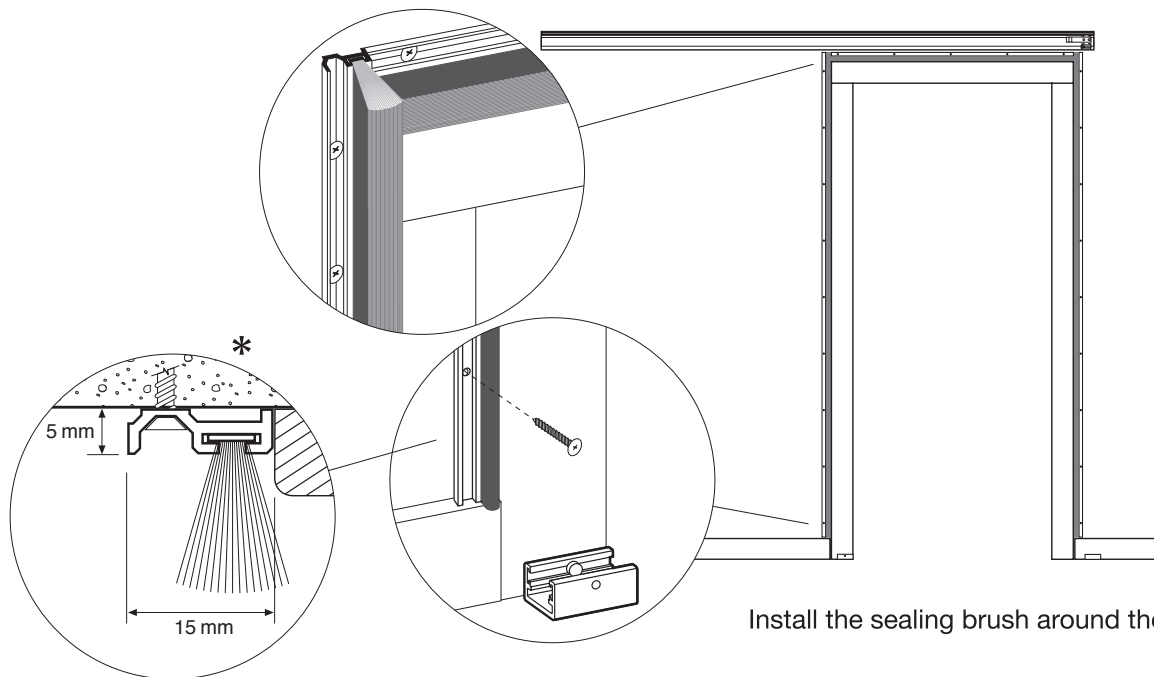
- 4 Install bottom guide and bottom stopper B to floor



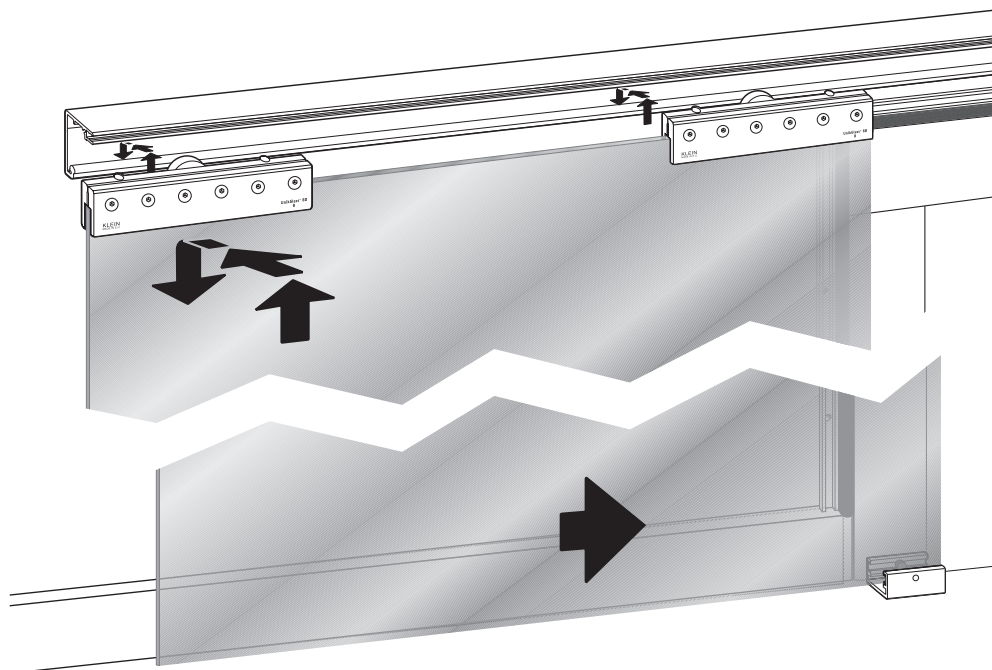
Use flat-head phillips tapping screws supplied to install the bottom guide.

To install bottom stopper B, use the “**flat-head**” phillips tapping screw supplied on the side closer to the door. Use the “**pan-head**” phillips tapping screw supplied on the other side.

5 Install sealing brush (Optional)



6 Hang the glass door onto upper rail

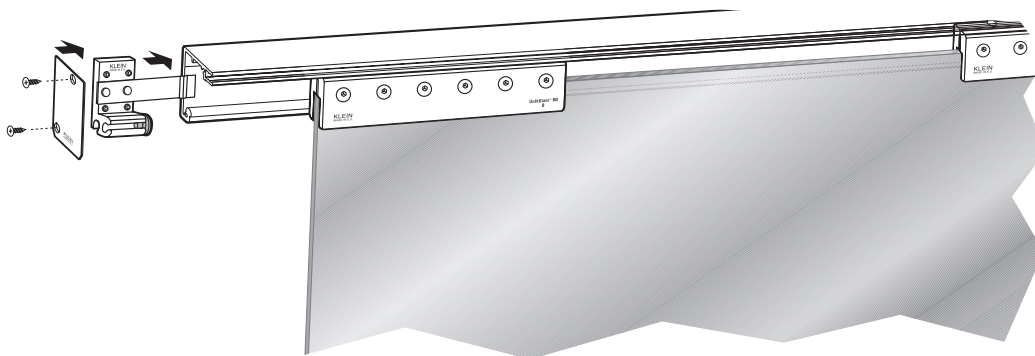


Move the glass brackets in the directions of arrows to hang the glass door onto the upper rail. Insert the bottom of the glass door into the bottom guide as shown.

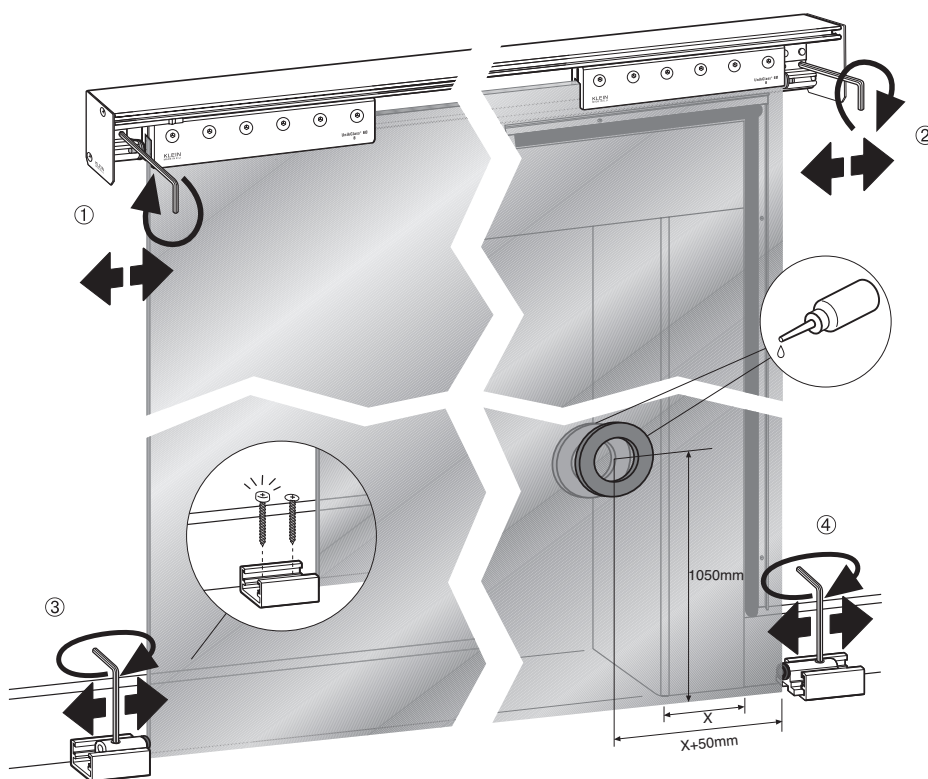
⚠ Caution

Do not move the glass door until upper rail cover is installed. The door may come off from the upper rail.

7 Install upper stopper and rail end cover on the other side of the upper rail

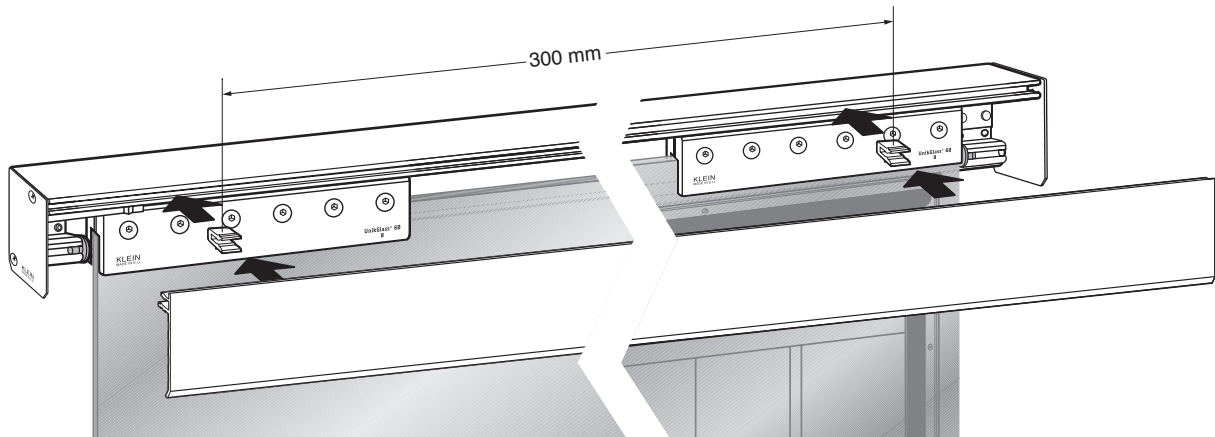


8 Install / secure stoppers and optional parts (glass edge pad and pull)



- ①•② Secure the upper stoppers using an allen key (hex size 2.5mm).
- ③ Install the bottom stopper B on the other side.
To install bottom stopper B, use the **“flat-head”** phillips tapping screw supplied on the side closer to the door.
Use the **“pan-head”** phillips tapping screw supplied on the other side.
Insert and secure bottom stopper A using an allen key (hex size 2.5mm).
- ④ Secure the other bottom stopper A using an allen key (hez size 2.5mm).
- ⑤ Attach the pulls using glue or adhesive.
- ⑥ Attach glass edge pad onto glass door.

9 Install upper rail cover



Insert top cover clips into the upper rail. Clips should be inserted every 300mm.
Snap-in the top cover onto upper rail.



Warning

Do not move the glass door until upper rail cover is installed.
The door may come off from the upper rail.



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