

# NEXA

Puertas batientes de vidrio  
Glass Pivot Doors

# 01 ÍNDICE

## INDEX

02 - INFORMACIÓN DE SEGURIDAD (ESP)	05
02 - SAFETY INFORMATION (ESP)	
03 - EVALUACIÓN DE LOS RIESGOS DEL PRODUCTO (ESP)	07
03 - PRODUCT RISK ASSESSMENT (ESP)	
04 - INFORMACIÓN GENERAL	09
04 - GENERAL INFORMATION	
05 - HERRAMIENTAS NECESARIAS	10
05 - GENERAL INFORMATION	
06 - ELEMENTOS DE LA INSTALACIÓN	11
06 - ITEMS OF INSTALLATION	
07 - MECANIZADO DEL VIDRIO. PERNIO SUPERIOR	14
07 - MACHINED UPPER PIVOT	
08 - MECANIZADO DEL VIDRIO. CERRADURA	14
08 - MACHINING HANDLE	
09 - MECANIZADO DEL VIDRIO. PERNIO INFERIOR	14
09 - MACHINING LOWER PIVOT	
10 - MECANIZADO DEL VIDRIO. CERRADERO DE VIDRIO	15
10 - MACHINING OF GLASS LOCK	
11 - MECANIZADO DEL VIDRIO. CERRADERO DE PARED	15
11 - MACHINING OF WALL LOCK	
MONTAJE PUERTA	
DOOR ASSEMBLY	
12 - POSICIÓN PUNTO DE GIRO	17
12 - UPPER SHAFT POSITION	
13 - COLOCACIÓN PUNTO DE GIRO EN ROLLGLASS+	17
13 - ROLLGLASS+ UPPER SHAFT INSTALLATION	
14 - COLOCACIÓN PUNTO DE GIRO EN PANORAMIC	17
14 - PANORAMIC UPPER SHAFT INSTALLATION	
15 - COLOCACIÓN PUNTO DE GIRO EN NATURE	18
15 - NATURE UPPER SHAFT INSTALLATION	
16 - COLOCACIÓN PUNTO DE GIRO EN EXTENDO	18
16 - EXTENDO UPPER SHAFT INSTALLATION	
17 - COLOCACIÓN PUNTO DE GIRO A TECHO	18
17 - PLACEMENT OF THE ROOF PIVOT POINT	
18 - COLOCACIÓN DE LA BASE DEL PERNIO INFERIOR	19
18 - BOTTOM SHAFT INSTALLATION	
19 - MONTAJE PERNIO SUPERIOR	19
19 - UPPER PIVOT ASSEMBLY	
20 - MONTAJE PERNIO HIDRÁULICO	19
20 - BOTTOM PIVOT ASSEMBLY	
21 - COLOCACIÓN DE LA PUERTA	20
21 - DOOR MOUNTING	
22 - REGULACIÓN VELOCIDAD DE CIERRE	20
22 - CLOSING SPEED REGULATION	

23 - AJUSTE DEL PUNTO DE CIERRE A 0º . . . . .	20
23 - DOOR ADJUSTMENT	
24 - COLOCACIÓN TAPAS PERNIO SUPERIOR . . . . .	21
24 - FITTING UPPER PIVOT CAPS	
25 - COLOCACIÓN TAPAS PERNIO INFERIOR . . . . .	21
25 - FITTING BOTTOM PIVOT CAPS	
26 - COLOCACIÓN TAPAS EJE INFERIOR . . . . .	21
26 - FITTING BOTTOM SHAFT CAPS	

#### MONTAJE MANILLA CONDENA LOCK HANDLE ASSEMBLY

27 - COLOCACIÓN GOMAS . . . . .	24
27 - RUBBER PLACEMENT	
28 - COLOCACIÓN CERRADURA . . . . .	24
28 - LOCK PLACEMENT	
29 - COLOCACIÓN DE LA CONDENA LADO EXTERIOR (RESCATE) . . . . .	25
29 - PLACEMENT OF THE OUTER SIDE LOCK (RESCUE)	
30 - COLOCACIÓN DE LAS TAPAS LADO EXTERIOR . . . . .	25
30 - PLACEMENT OF THE COVERS ON THE OUTER SIDE	
31 - COLOCACIÓN DE LAS MANILLAS LADO EXTERIOR . . . . .	25
31 - PLACEMENT OF THE COVERS ON THE OUTER SIDE	
32 - FIJACIÓN DE LAS MANILLAS LADO INTERIOR . . . . .	26
32 - FIXING THE HANDLES ON THE INSIDE	
33 - COLOCACIÓN DE LA CONDENA LADO INTERIOR . . . . .	26
33 - PLACEMENT OF THE CONDEMNATION ON THE INSIDE	
34 - COLOCACIÓN DE LAS TAPAS LADO INTERIOR . . . . .	26
34 - PLACEMENT OF THE INNER SIDE COVERS	
35 - COLOCACIÓN DE LAS MANILLAS LADO INTERIOR . . . . .	27
35 - PLACEMENT OF THE HANDLES ON THE INSIDE	
36 - FIJACIÓN DE LAS MANILLAS LADO EXTERIOR . . . . .	27
36 - FIXING THE HANDLES ON THE OUTER SIDE	
37 - FIJACIÓN DE LAS TAPAS . . . . .	27
37 - FASTENING OF THE COVERS	

#### MONTAJE MANILLA CIEGA CONCEALED HANDLE ASSEMBLY

38 - COLOCACIÓN GOMAS . . . . .	30
38 - RUBBER PLACEMENT	
39 - COLOCACIÓN CERRADURA . . . . .	30
39 - LOCK PLACEMENT	
40 - COLOCACIÓN TAPAS . . . . .	30
40 - FITTING OF COVERS	
41 - COLOCACIÓN MANILLAS . . . . .	31
41 - FITTING HANDLE	

42 - FIJACIÓN TAPAS . . . . .	31
42 - COVERS FIXATIONQA	
43 - FIJACIÓN MANILLAS . . . . .	31
43 - FIXING THE HANDLES ON THE INSIDE	

#### MONTAJE MANILLA CILINDRO CYLINDER HANDLE ASSEMBLY

44 - COLOCACIÓN GOMAS . . . . .	34
44 - RUBBER PLACEMENT	
45 - COLOCACIÓN CERRADURA . . . . .	34
45 - LOCK PLACEMENT	
46 - COLOCACIÓN TAPAS . . . . .	34
46 - FITTING OF COVERS	
47 - COLOCACIÓN MANILLAS . . . . .	35
47 - FITTING HANDLE	
48 - FIJACIÓN TAPAS . . . . .	35
48 - COVERS FIXATION	
49 - FIJACIÓN MANILLAS . . . . .	35
49 - FIXING THE HANDLES ON THE INSIDE	

#### MONTAJE CERRADERO VIDRIO STRIKE ASSEMBLY ON THE GLASS

50 - COLOCACIÓN GOMAS . . . . .	37
50 - RUBBER PLACEMENT	
51 - COLOCACIÓN CERRADURO VIDRIO . . . . .	37
51 - GLASS LOCK PLACEMENT	
52 - COLOCACIÓN TAPAS . . . . .	37
52 - FITTING OF COVERS	
53 - FIJACIÓN TAPAS 1. . . . .	38
53 - COVERS FIXATION 1	
54 - FIJACIÓN TAPAS 2. . . . .	38
54 - COVERS FIXATION 2	

#### MONTAJE CERRADERO A PARED STRIKE ASSEMBLY ON THE WALL

55 - COLOCACIÓN CERRADERO PARED . . . . .	40
55 - WALL LOCK PLACEMENT	



# 02 INFORMACIÓN DE SEGURIDAD (ESP) SAFETY INFORMATION (ESP)

## INDICACIONES GENERALES

- Estas instrucciones solo son válidas para los sistemas KLEIN.
- Las medidas métricas son válidas. Las medidas en pulgadas son solo informativas.
- Los herrajes KLEIN no son adecuados para aplicaciones en espacios donde se utilicen productos químicos (p. ej. cloro) como piscinas interiores, saunas o piscinas de agua salada.
- Nunca mueva los paneles correderos a una velocidad superior a la de la marcha y detenga siempre la puerta manualmente antes de que alcance la posición final.
- No deslice las puertas con una fuerza excesiva.

## USO PREVISTO

- Herrajes para sistemas KLEIN.
- Solo para puertas correderas en interiores secos.
- Solo para apertura y cierre manual.

## GRUPO DESIGNADO

- Solo personal debidamente cualificado y especialmente formado está autorizado a montar los herrajes de vidrio KLEIN.

## REQUISITOS DEL VIDRIO Y DE LOS DISPOSITIVOS DE FIJACIÓN

- La subestructura/pared debe ser capaz de soportar cargas del sistema.
- Utilizar el par de apriete indicado.
- La zona de sujeción deber ser plana y sin recubrimiento.
- No utilizar vidrios con fracturas y/o bordes dañados.
- KLEIN exige el uso de vidrio que cumpla con los siguientes normas:

### EUROPA:

- UNE EN 572-2:2012 Vidrio para la edificación. Productos básicos de vidrio de silicato sodocálcico. Parte 2: Vidrio plano.
- UNE EN 12150-1:2016 Vidrio para la edificación. Vidrio de silicato sodocálcico de seguridad templado térmicamente. Parte 1: Definición y descripción.
- UNE EN ISO 12543-1/6:2011 Vidrio para la edificación. Vidrio laminado y vidrio laminado de seguridad.

### USA:

- ASTM C1036-16 Standard Specification for Flat Glass
  - ASTM C1048-12e1 Standard Specification for Heat-Strengthened and Fully Tempered Glass
  - ASTM C1172-14 Standard Specification for Laminated Architectural Flat Glass
- El rango de espesor admitido para el vidrio fijo y el vidrio de la puerta corredera en espesores de 1/2" va de 11.91mm a 12.70mm.

## INSTRUCCIONES DE SEGURIDAD

- Al fin de garantizar su seguridad, observe las indicaciones de las instrucciones de montaje del sistema de puertas correderas KLEIN.
- Lea las instrucciones antes de comenzar con el montaje.
- Usar únicamente componentes originales de KLEIN.
- Limpie la zona de sujeción con un producto de limpieza comercial estándar a base de alcohol antes de montar los herrajes de vidrio.
- El montaje incorrecto puede conllevar lesiones graves.
- La instalación requiere de mínimo dos personas.
- Debido a los riesgos indicados en el apartado 3, se requiere la correspondiente ropa de protección:
  - Guantes de seguridad.
  - Gafas de protección.
  - Casco de seguridad.
  - Botas de seguridad.



Conserve las instrucciones.

# INFORMACIÓN DE SEGURIDAD (EN)

## SAFETY INFORMATION (EN)

### GENERAL INFORMATION

- These mounting instructions are only valid for KLEIN systems.
- Metric measurements are valid. Inch measurements are for information only.
- KLEIN hardware is not suitable for use in areas where chemicals (e.g. chlorine) are used, such as indoor swimming pools, saunas or salt water pools.
- Never move the sliding panels faster than the travel speed and always stop the door manually before it reaches the end position.
- Do not slide doors with excessive force.

### EXPECTED USE

- Hardware for KLEIN systems.
- Only for sliding doors in dry interiors.
- For manual opening and closing only.

### DESIGNATED GROUP

- Only qualified and specially trained personnel are authorised to fit KLEIN glass hardware.

### REQUIREMENTS FOR GLASS AND FIXING DEVICES

- The substructure/wall must be capable of supporting system loads.
- Use the specified tightening torque.
- The clamping area must be flat and uncovered.
- Do not use glass with fractures and/or damaged edges.
- KLEIN requires the use of glass that complies with the following standards:

#### EUROPA:

- UNE EN 572-2:2012 Glass in building. Products Basic soda lime silicate glass products. Part 2: Flat glass.
- UNE EN 12150-1:2016 Glass in building. Thermally tempered safety soda-lime silicate glass. Part 1: Definition and description.
- UNE EN ISO 12543-1/6:2011 Glass in building. Glass laminated and laminated safety glass.

#### USA:

- ASTM C1036-16 Standard Specification for Flat Glass
  - ASTM C1048-12e1 Standard Specification for Heat-Strengthened and Fully Tempered Glass
  - ASTM C1172-14 Standard Specification for Laminated Architectural Flat Glass
- The permitted thickness range for fixed glass and sliding door glass in 1/2" thicknesses is from 11.91mm to 12.70mm.

### SAFETY INSTRUCTIONS

- To ensure your safety, please observe the instructions in the installation instructions for the KLEIN sliding door system.
- Read the instructions before starting assembly.
- Use only original KLEIN components.
- Clean the clamping area with a standard commercial alcohol-based cleaning agent before mounting the glass fittings.
- Incorrect assembly can lead to serious injury.
- The installation requires a minimum of two people.
- Due to the risks listed in section 3, appropriate protective clothing is required:
  - Safety gloves.
  - Protective goggles.
  - Safety helmet.
  - Safety boots.



**Keep the instructions.**

# 03

## EVALUACIÓN DE LOS RIESGOS DEL PRODUCTO (ESP) PRODUCT RISK ASSESSMENT (ESP)

Probabilidad de ocurrencia						
Frecuente	5	5	10	15	20	25
Probable	4	4	8	12	16	20
Ocasionalmente	3	3	6	9	12	15
Remoto	2	2	4	6	8	10
Imposible / Improbable	1	1	2	3	4	5
		1	2	3	4	5
	Gravedad	Daños en el producto	Lesiones leves o daños materiales	Lesiones graves o daños materiales importantes	Lesión grave	Peligrosidad para la vida

	Importante (10 - 25)
	Revisión para determinar si el riesgo es ALARP (4 -9)
	Aceptable (1 - 3)

Riesgos de montaje	Probabilidad	Impacto	Resultado	Prevención	Probabilidad	Impacto	Resultado final
Cortes por los bordes del perfil	3 (Ocasionalmente)	2 (Lesiones leves o daños materiales)	6	Se requieren guantes para el montaje. El producto debe ser instalado únicamente por personal autorizado.	1 (Imposible)	2 (Lesiones leves o daños materiales)	3
Golpes por el perfil	3 (Ocasionalmente)	3 (Lesiones graves o daños materiales importantes)	6	El perfil debe ser fijado por un número suficiente de trabajadores de acuerdo con la longitud del riel. El producto debe ser instalado únicamente por personal autorizado.	1 (Imposible)	3 (Lesiones graves o daños importantes a la propiedad)	3
Caída del perfil	2 (Remoto)	3 (Lesiones graves o daños materiales importantes)	6	El perfil debe fijarse a una estructura nivelada y suficientemente sólida. El producto debe ser instalado únicamente por personal autorizado.	1 (Imposible)	3 (Lesiones graves o daños importantes a la propiedad)	3
Caída de la puerta	2 (Remoto)	3 (Lesiones graves o daños materiales importantes)	6	Los topes del interior del perfil deben fijarse correctamente según las instrucciones de montaje. El producto debe ser instalado únicamente por personal autorizado.	1 (Imposible)	3 (Lesiones graves o daños importantes a la propiedad)	3

Mounting Risk	Probability	Impact	Result	Prevention	Probability	Impact	Final Result
Golpeo por la puerta	3 (Ocasionalmente)	2 (Lesiones leves o daños materiales)	6	Nunca mueva los paneles deslizantes a una velocidad superior a la de la marcha. Detenga siempre la puerta manualmente antes de que llegue a la posición final.	1 (Imposible)	2 (Lesiones leves o daños materiales)	2

## EVALUACIÓN DE LOS RIESGOS DEL PRODUCTO (EN)

### PRODUCT RISK ASSESSMENT (EN)

Likelihood of occurrence						
Frequent	5	5	10	15	20	25
Probable	4	4	8	12	16	20
Occasional	3	3	6	9	12	15
Remote	2	2	4	6	8	10
Impossible / Improbable	1	1	2	3	4	5
		1	2	3	4	5
	Severity	Product damage	Minor injury or Property Damage	Serious injury or major property damage	Grievous injury	Life threatening

	Significant (10 - 25)
	review to determine if risk is ALARP (4 -9)
	Acceptable (1 - 3)

Mounting Risk	Probability	Impact	Result	Prevention	Probability	Impact	Final Result
Cuts by track edges	3 (Occasional)	2 (Minor injury or property damage)	6	Gloves are required for mounting. The product must be installed by authorized personnel only.	1 (Impossible)	2 (Minor injury or property damage)	3
Hits by track	3 (Occasional)	3 (Serious injury or major property damage)	6	The track must be fixed by a sufficient number of workers according to the length of the track. The product must be installed by authorized personnel only.	1 (Impossible)	3 (Serious injury or major property damage)	3
Fall of the track	2 (Remote)	3 (Serious injury or major property damage)	6	The track must be fixed to a levelled and solid enough structure. The product must be installed by authorized personnel only.	1 (Impossible)	3 (Serious injury or major property damage)	3
Fall of the door	2 (Remote)	3 (Serious injury or major property damage)	6	Stoppers inside of the track must be fixed correctly according to the mounting instructions. The product must be installed by authorized personnel only.	1 (Impossible)	3 (Serious injury or major property damage)	3

Mounting Risk	Probability	Impact	Result	Prevention	Probability	Impact	Final Result
Door hitting	3 (Occasional)	2 (Minor injury or property damage)	6	Never move sliding panels faster than walking speed. Always stop the door manually before it reaches end position.	1 (Impossible)	2 (Minor injury or property damage)	2

# 04 INFORMACIÓN GENERAL

## GENERAL INFORMATION



Peso máximo puerta 100 kg  
Maximum door weight 220 lbs



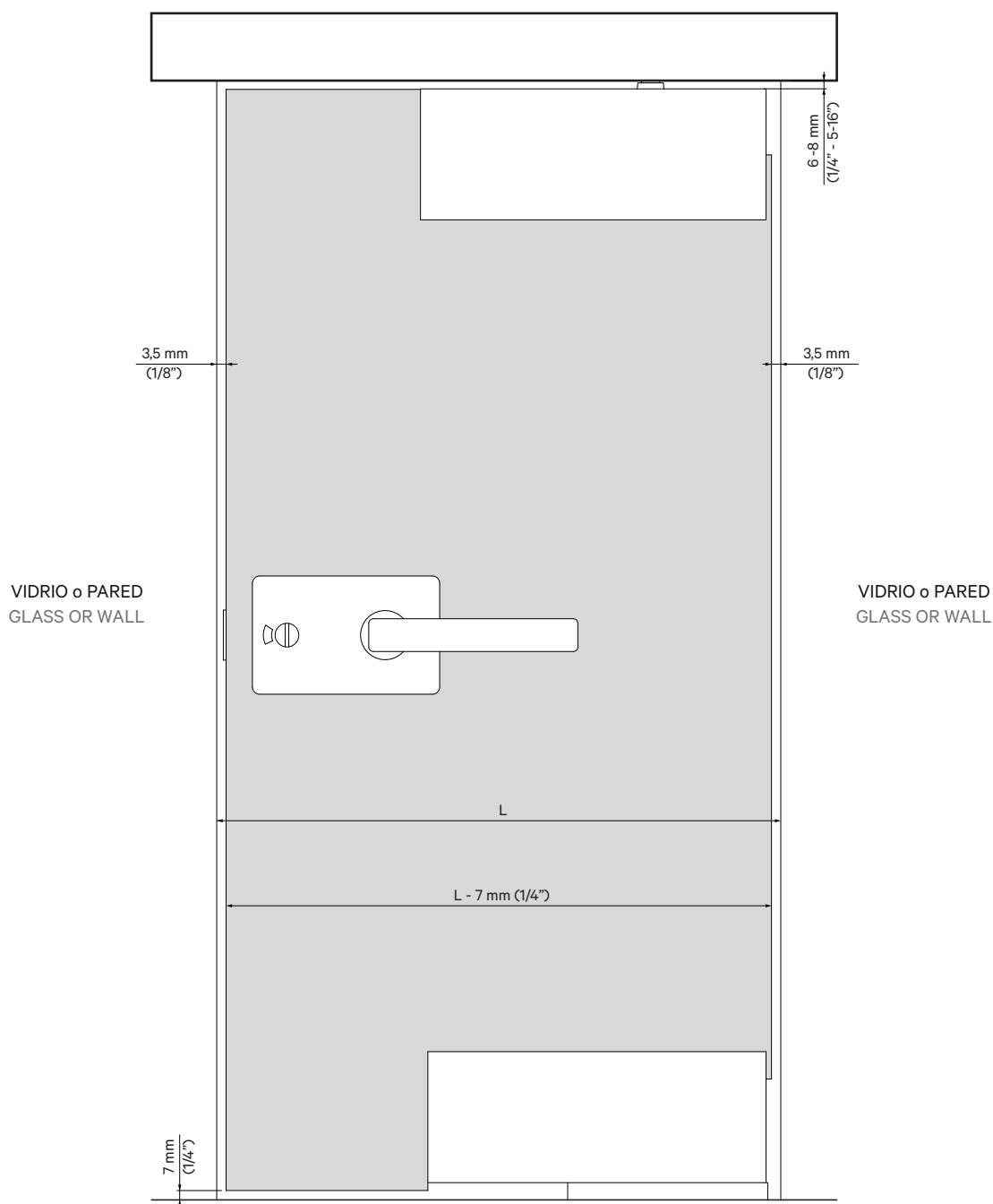
Ancho puerta 750 mm - 1000 mm  
Door width 29 9/16" - 3' 3 3/8"



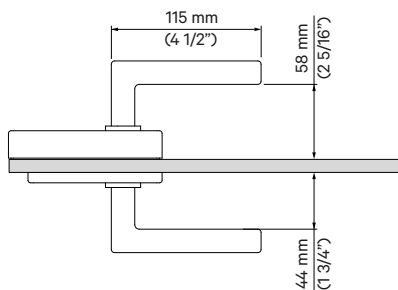
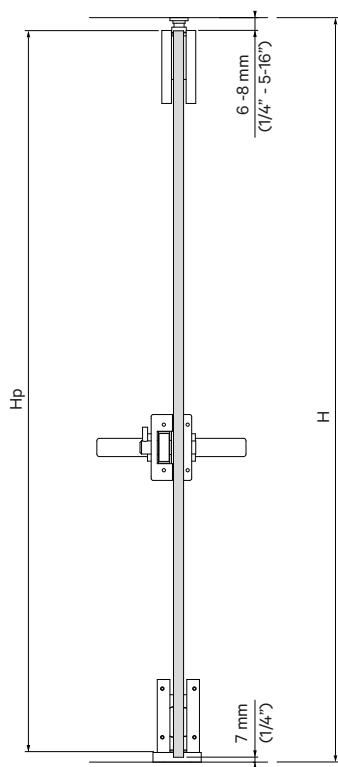
Altura puerta 1 m - 3 m  
Door height 3' 3 3/8" - 120"



Espesor puerta 8 mm - 12,7 mm  
Door thickness 5/16" - 1/2"

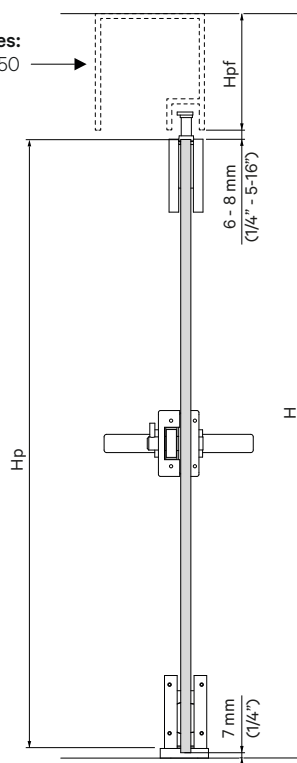


SECCIÓN INSTALACIÓN A TECHO /  
CEILING INSTALLATION SECTION



SECCIÓN INSTALACIÓN A SISTEMA KLEIN/  
KLEIN SYSTEM INSTALLATION SECTION

**Sistemas KLEIN compatibles:**  
Rollglass+ 50 / 100 / 150 / 250  
Nature  
Panoramic  
Extendo



FÓRMULA ALTURA VIDRIO INSTALACIÓN A TECHO /  
GLASS HEIGHT FORMULA CEILING INSTALLATION

$$H_p = H - 14 \text{ mm}$$

$$H_p = H - 9/16''$$

FÓRMULA ALTURA VIDRIO INSTALACIÓN A SISTEMA KLEIN /  
GLASS HEIGHT FORMULA KLEIN SYSTEM INSTALLATION

$$H_p = H - (H_{pF} + 14 \text{ mm})$$

$$H_p = H - (H_{pF} + 9/16'')$$

# 05 HERRAMIENTAS NECESARIAS

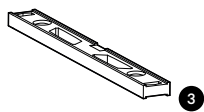
## REQUIRED TOOLS



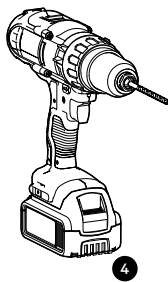
1. Lápiz / Pencil



2. Llave Allen #1.5 - #2 - #3 - #5  
/ Allen Key #1.5 - #2 - #3 - #5



3. Nivel / Level



4. Taladro / Drill



5. Destornillador plano #1,5 /  
Flat-head screwdriver #1,5



6. Destornillador PH 1, PH 3 /  
Screwdriver PH 1, PH 3



6. Destornillador PZ 2 /  
Screwdriver PZ 2

7. Llave #24 / Key #24

# 06 ELEMENTOS DE LA INSTALACIÓN

## ITEMS OF INSTALLATION

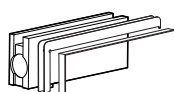
### NEXA CERRADERO A PARED

### NEXA WALL LOCK



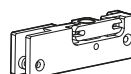
#### JGO. ACC. COMÚN

#### SET OF ACCESSORIES



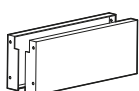
x 1

Pernio bajo hidráulico  
Hydraulic low bolt



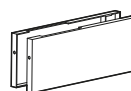
x 1

Pernio alto  
High bolt



x 1

Tapas pernio bajo  
Low bolt covers



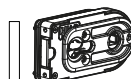
x 1

Tapas pernio alto  
High bolt covers



x 1

Base pernio bajo  
Low bolt base



x 1

Cerradura  
Lock



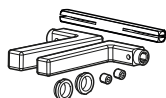
x 1

Tapas base pernio bajo  
Base caps low bolt



x 1

Roseta  
Rosette



x 1

Par de manillas  
Pair of handles



x 1

Tapas certadero a pared  
Wall lock covers



x 4

Tornillo avellanado Ø4 x 30 mm  
Countersunk screw Ø4 x 30 mm



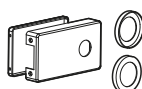
x 1

Cerradero a pared  
Wall lock



#### CIEGA

#### CONCEALED



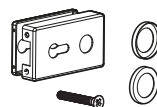
x 1

Tapas ciega  
Concealed covers



#### CILINDRO

#### CYLINDER



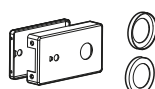
x 1

Tapas cilindro  
Cylinder covers



#### CONDENA

#### LOCK



x 1

Tapas condena  
Lock covers



x 1

Bolsa acc. condena  
Bag acc lock

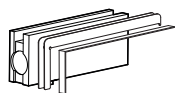
## NEXA CERRADERO A VIDRIO

### NEXA GLASS LOCK



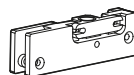
#### JGO. ACC. COMÚN

#### SET OF ACCESORIES



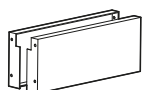
x 1

Pernio bajo hidráulico  
Hydraulic low bolt



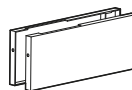
x 1

Pernio alto  
High bolt



x 1

Tapas pernio bajo  
Low bolt covers



x 1

Tapas pernio alto  
High bolt covers



x 1

Base pernio bajo  
Low bolt base



x 1

Cerradura  
Lock



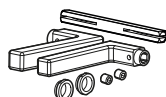
x 1

Tapas base pernio bajo  
Base caps low bolt



x 1

Roseta  
Rosette



x 1

Par de manillas  
Pair of handles



x 1

Tapas cerradero a vidrio  
Glass lock covers



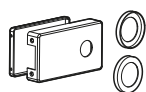
x 1

Cerradero a vidrio  
Glass lock



#### CIEGA

#### CONCEALED



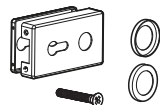
x 1

Tapas ciega  
Concealed covers



#### CILINDRO

#### CYLINDER



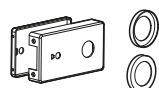
x 1

Tapas cilindro  
Cylinder covers



#### CONDENA

#### LOCK



x 1

Tapas condena  
Lock covers



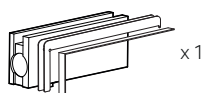
x 1

Bolsa acc. condena  
Bag acc lock

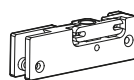




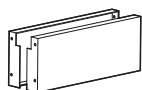
## NEXA CON TIRADOR NATURE NEXA WITH NATURE HANDLE



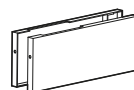
x 1

Pernio bajo hidráulico  
Hydraulic low bolt


x 1

Pernio alto  
High bolt


x 1

Tapas pernio bajo  
Low bolt covers


x 1

Tapas pernio alto  
High bolt covers


x 1

Base pernio bajo  
Low bolt base

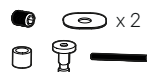

x 1

Tirador A  
Handle A


x 1

Tapas base pernio bajo  
Base caps low bolt


x 1

Tirador B  
Handle B


x 2

Bolsa acc. Tirador Nature  
Bag acc. Nature Handle


## PUNTO DE GIRO PANORAMIC / ROLLGLASS + 50 / ROLLGLASS + 100 PANORAMIC / ROLLGLASS PIVOT POINT



x 1

Punto de giro  
Pivot point


x 2

Tornillo Ø4,2 x 19 mm  
Screw Ø 3/16" x 3/4"


## PUNTO DE GIRO EXTENDO / ROLLGLASS + 150 / ROLLGLASS + 250 EXTENDO PIVOT POINT



x 1

Punto de giro  
Pivot point


x 2

Tornillo Ø4,2 x 19 mm  
Screw Ø 3/16" x 3/4"


## PUNTO DE GIRO NATURE NATURE PIVOT POINT



x 1

Punto de giro  
Pivot point


x 2

Tornillo Ø5 x 30 mm  
Screw Ø 3/16" x 1 3/16"


## PUNTO DE GIRO A TECHO PIVOT POINT TO CEILING



x 1

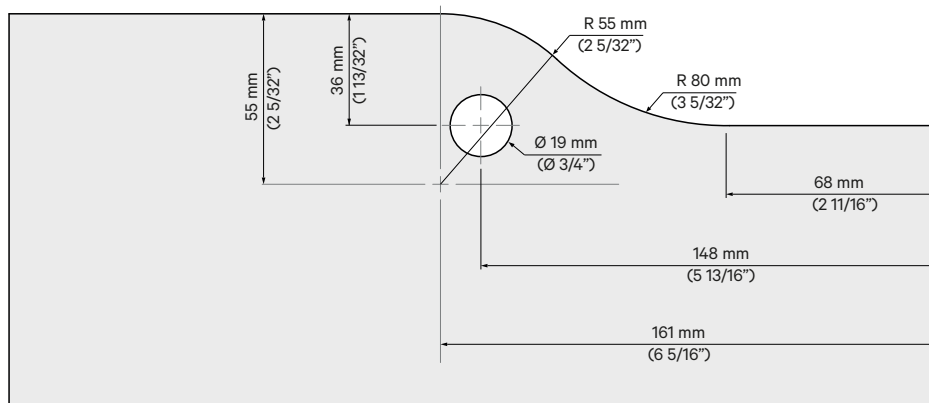
Punto de giro  
Pivot point


x 2

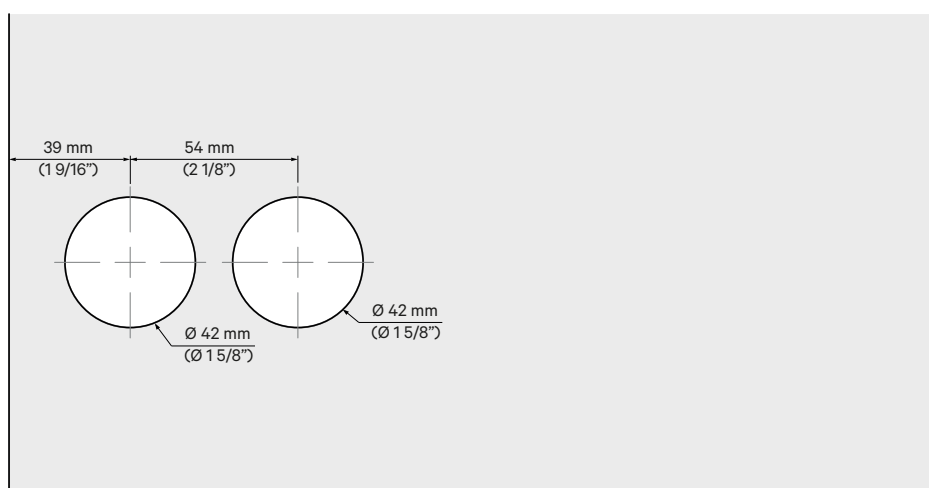
x 2

Bolsa de tornillos  
Bag of screws

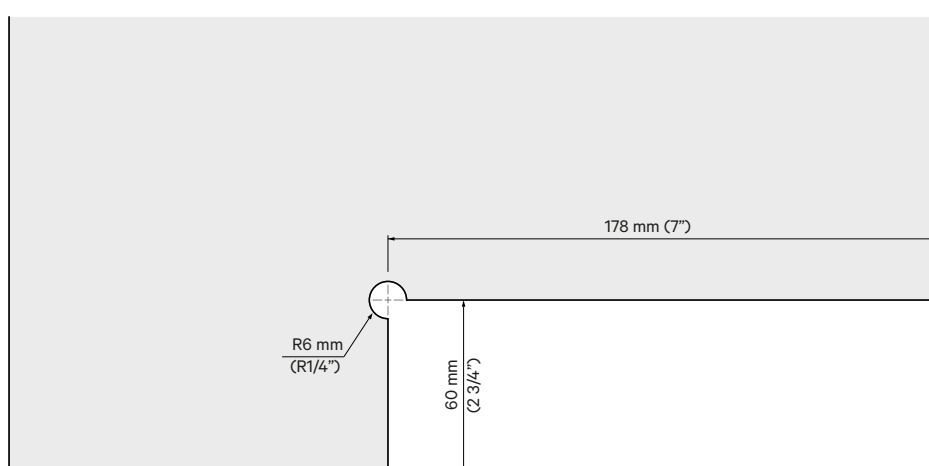
## 07 MECANIZADO DEL VIDRIO (PERNIO SUPERIOR) MACHINING UPPER PIVOT



## 08 MECANIZADO DEL VIDRIO (CERRADURA) MACHINING HANDLE



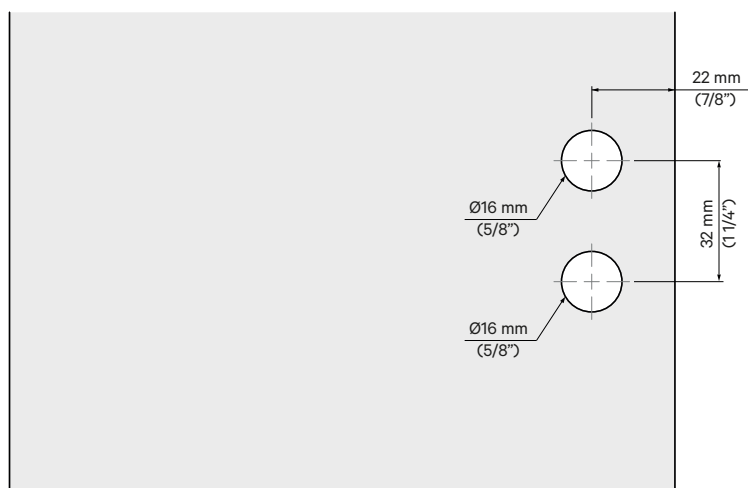
## 09 MECANIZADO DEL VIDRIO (PERNIO INFERIOR) MACHINING LOWER PIVOT



## 10

# MECANIZADO DEL VIDRIO (CERRADERO DE VIDRIO)

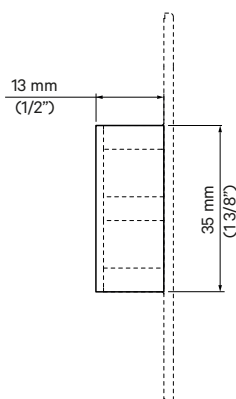
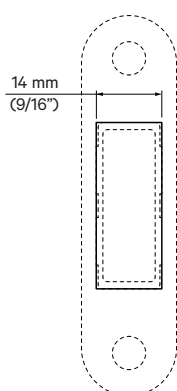
## MACHINING OF GLASS LOCK



## 11

# MECANIZADO EN LA PARED (CERRADERO DE PARED)

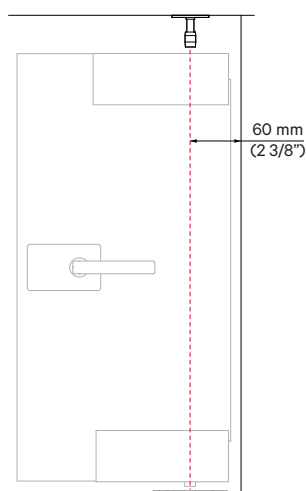
## MACHINING OF WALL LOCK



**MONTAJE PUERTA**  
**DOOR ASSEMBLY**

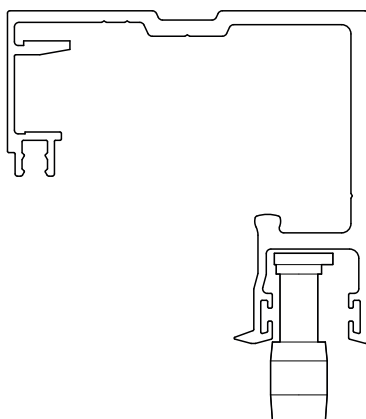
# 12

## POSICIÓN PUNTO DE GIRO UPPER SHAFT POSITION



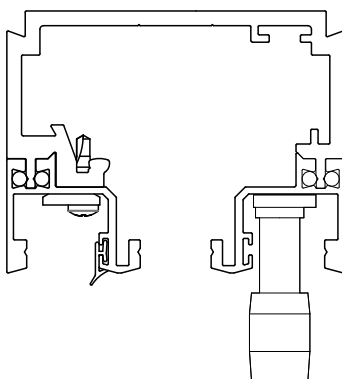
# 13

## COLOCACIÓN PUNTO DE GIRO EN ROLLGLASS+ ROLLGLASS+ UPPER SHAFT INSTALLATION

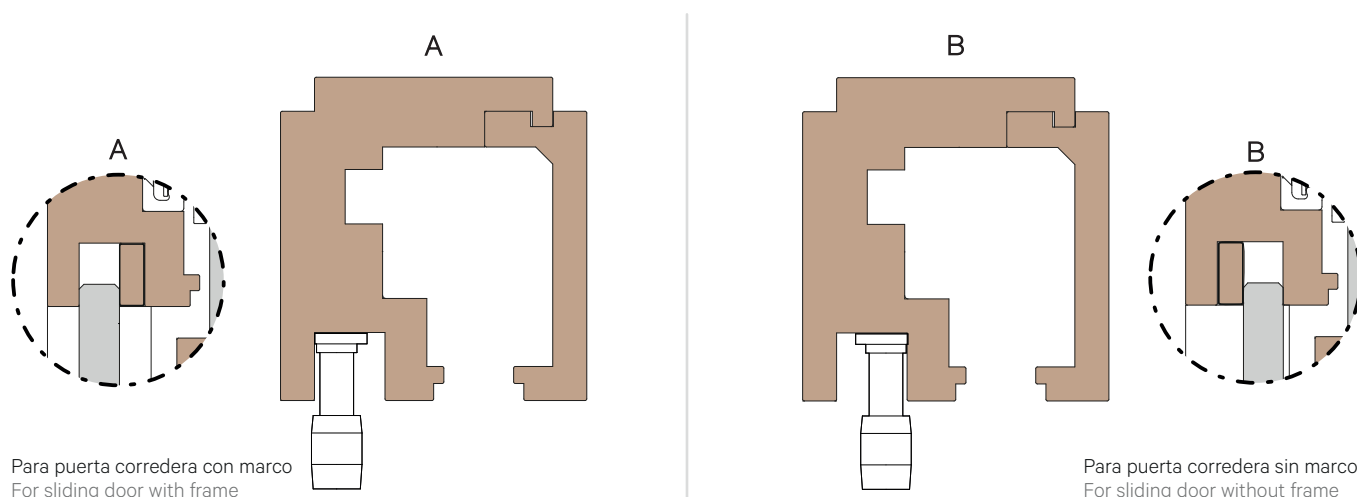


# 14

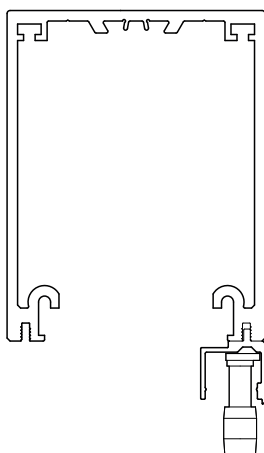
## COLOCACIÓN PUNTO DE GIRO EN PANORAMIC PANORAMIC UPPER SHAFT INSTALLATION



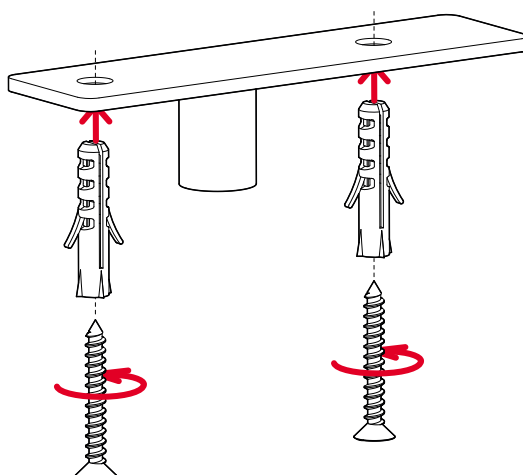
# 15 COLOCACIÓN PUNTO DE GIRO EN NATURE NATURE UPPER SHAFT INSTALLATION



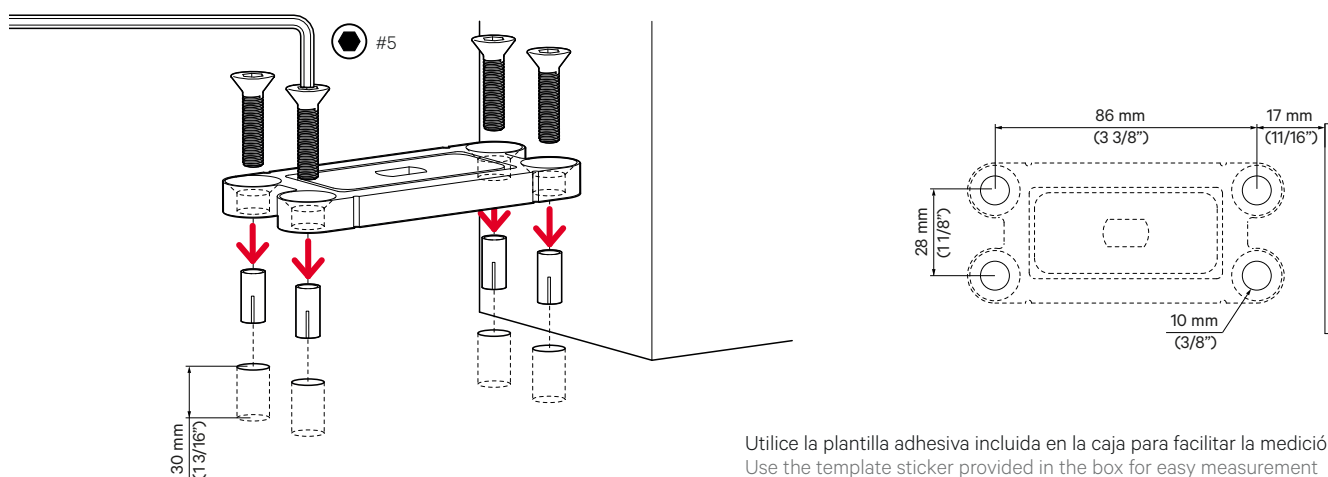
# 16 COLOCACIÓN PUNTO DE GIRO EN EXTENDO EXTENDO UPPER SHAFT INSTALLATION



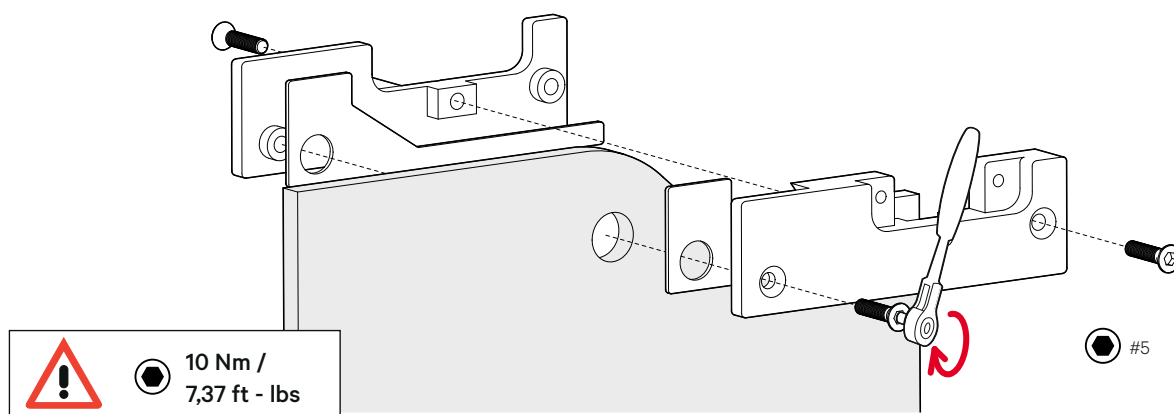
# 17 COLOCACIÓN PUNTO DE GIRO A TECHO PLACEMENT OF THE ROOF PIVOT POINT



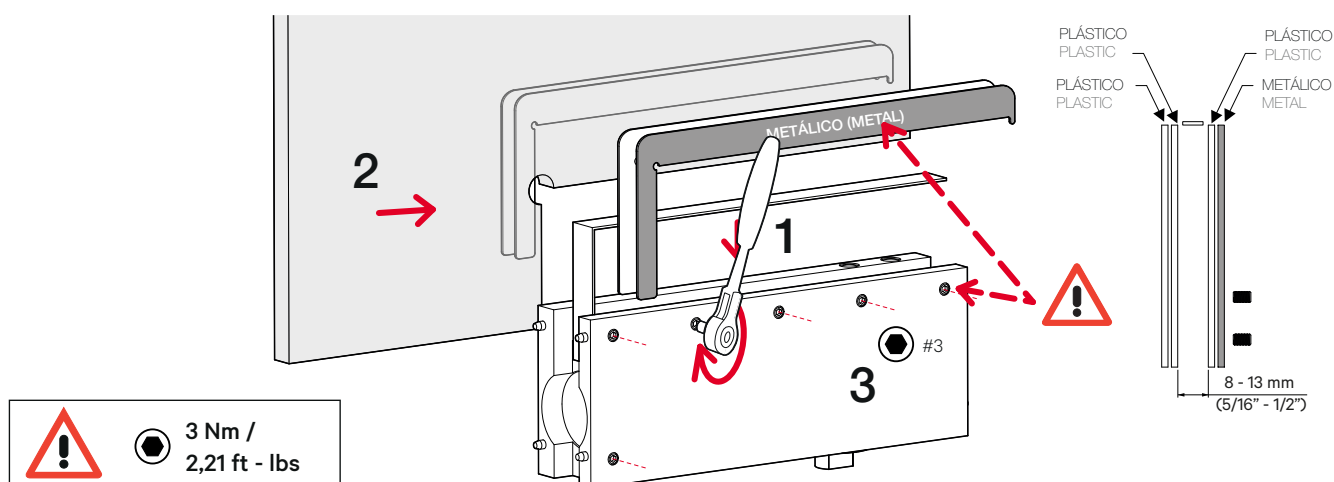
# 18 COLOCACIÓN DE LA BASE DEL PERNIO INFERIOR BOTTOM SHAFT INSTALLATION



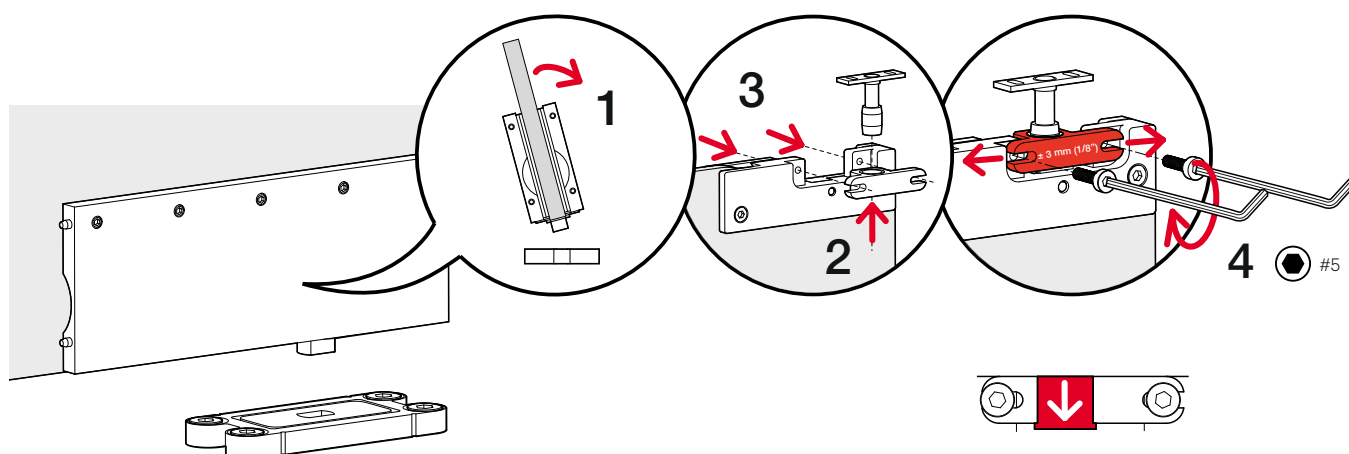
# 19 MONTAJE PERNIO SUPERIOR UPPER PIVOT ASSEMBLY



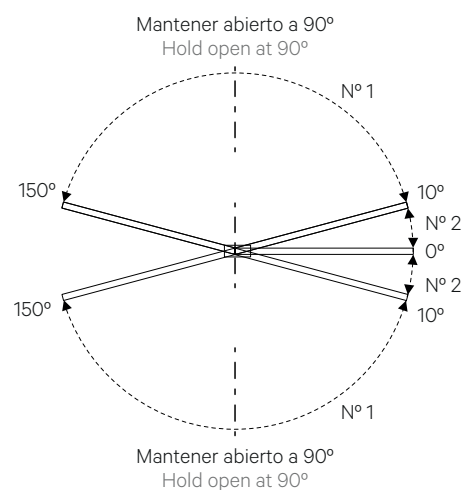
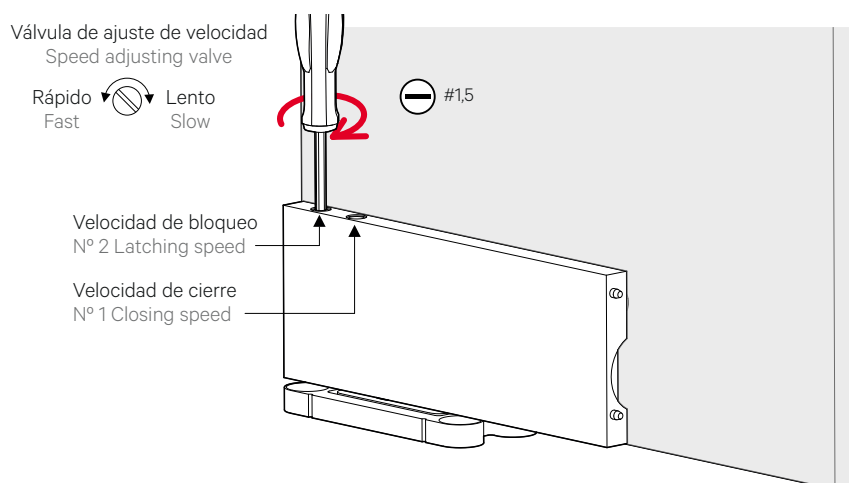
# 20 MONTAJE PERNIO HIDRÁULICO BOTTOM PIVOT ASSEMBLY



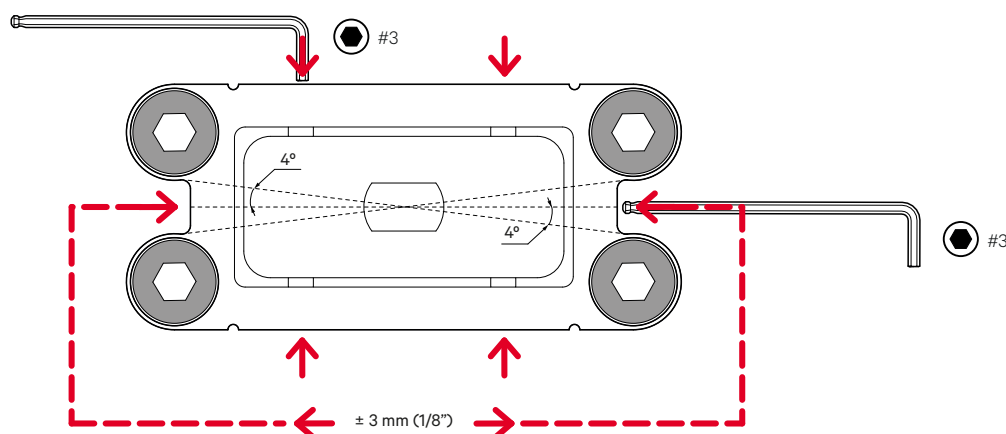
## 21 COLOCACIÓN DE LA PUERTA DOOR MOUNTING



## 22 REGULACIÓN VELOCIDAD DE CIERRE CLOSING SPEED REGULATION

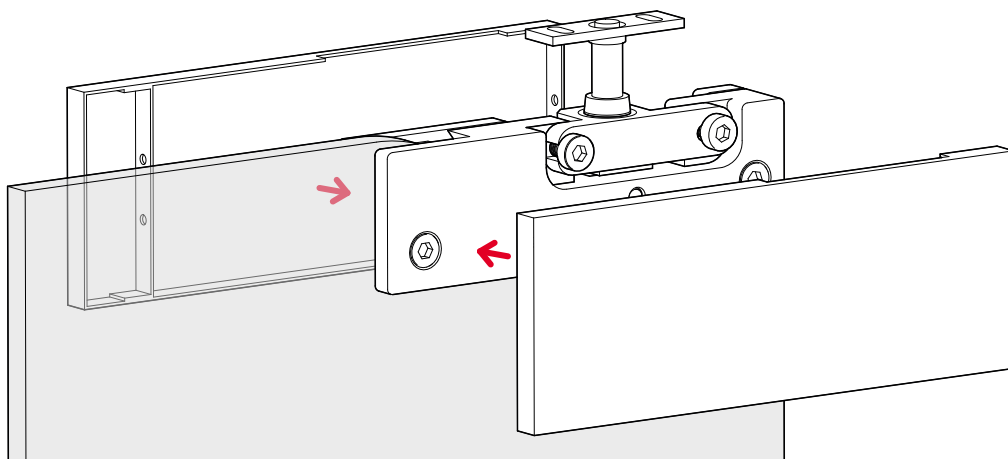


## 23 AJUSTE DEL PUNTO DE CIERRE A 0° DOOR ADJUSTMENT

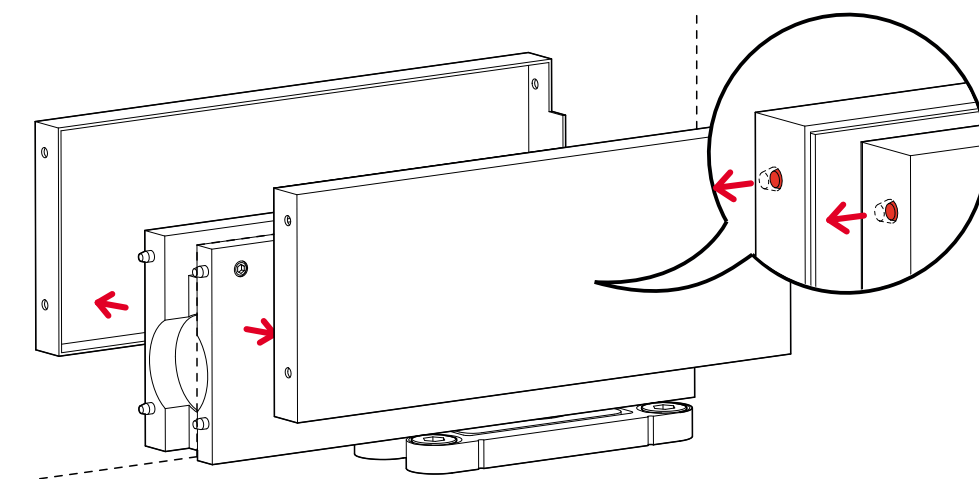




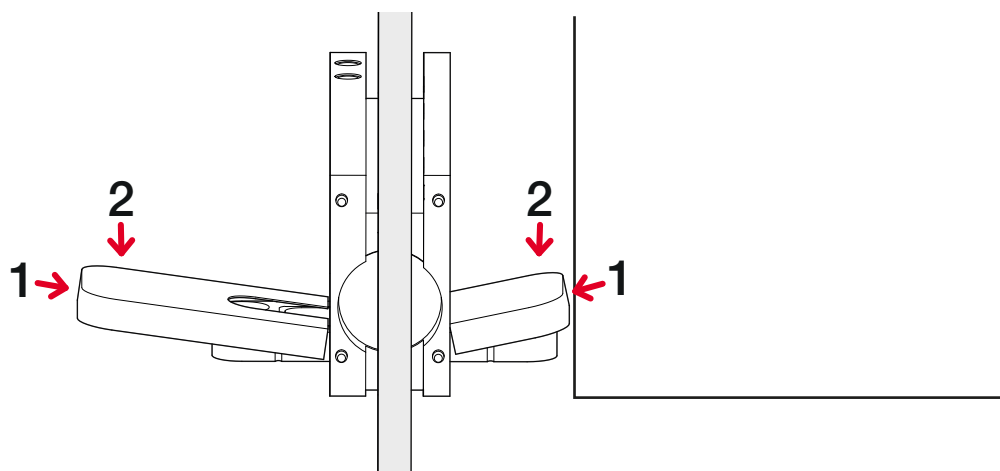
## 24 COLOCACIÓN TAPAS PERNIO SUPERIOR FITTING UPPER PIVOT CAPS



## 25 COLOCACIÓN TAPAS PERNIO INFERIOR FITTING BOTTOM PIVOT CAPS

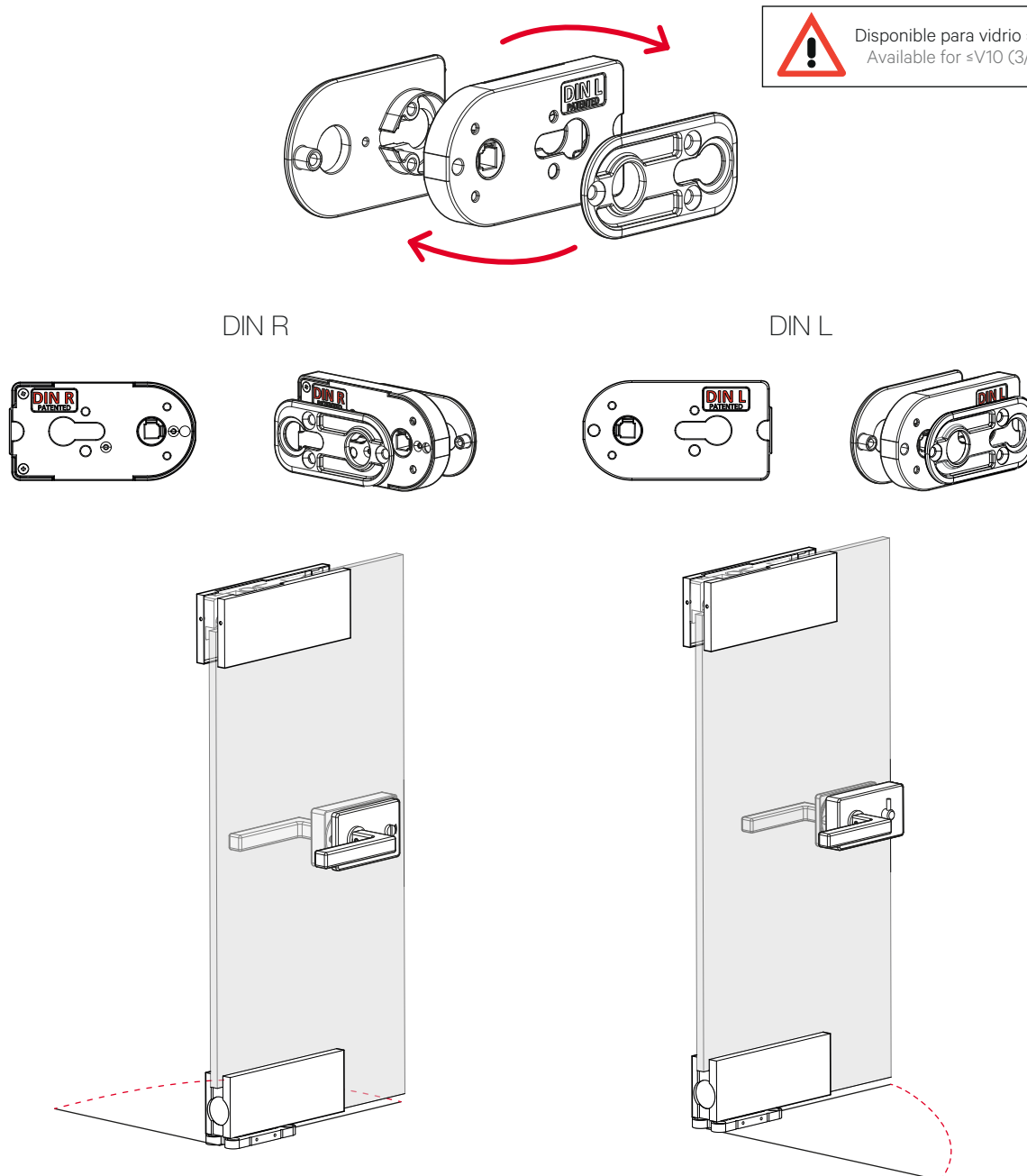


## 26 COLOCACIÓN TAPAS EJE INFERIOR FITTING BOTTOM SHAFT CAPS

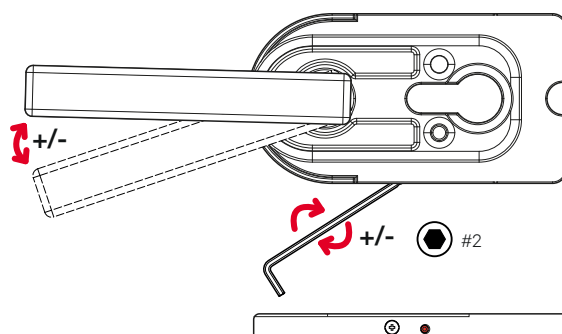


**MONTAJE MANILLA CONDENA**  
**LOCK HANDLE ASSEMBLY**

## CAMBIO DE MANO DE LA CERRADURA PARA LA APERTURA CHANGE OF LOCK HAND FOR OPENING



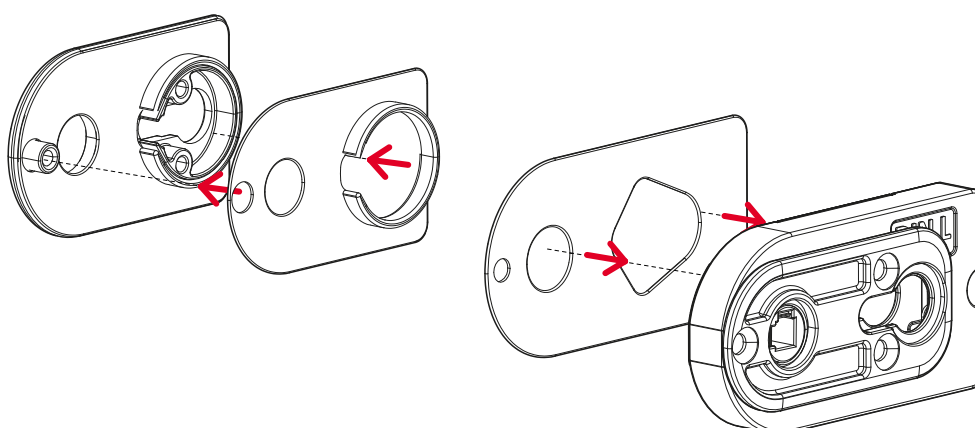
## REGULACIÓN ESFUERZO DE LAS MANILLAS HANDLE EFFORT REGULATION



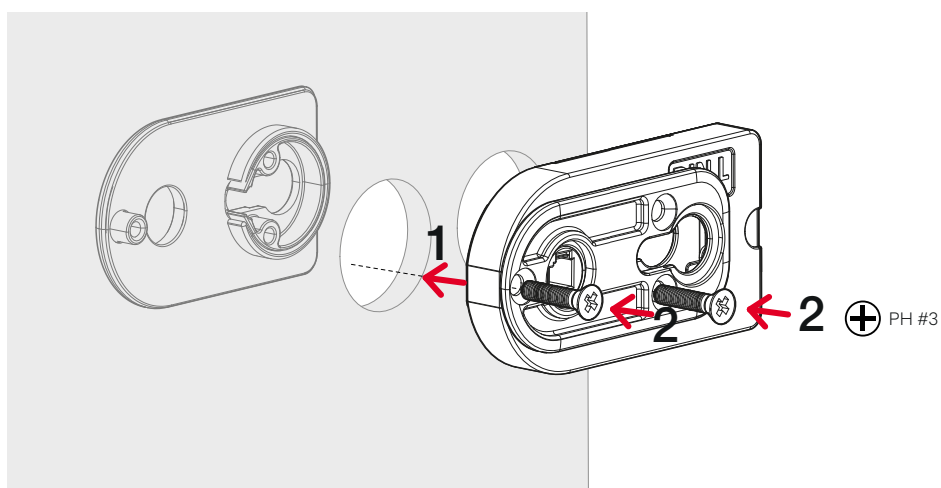
CAMBIO DE MANO DE LA CONDENA DE LA CERRADURA  
CHANGE OF HAND OF LOCK



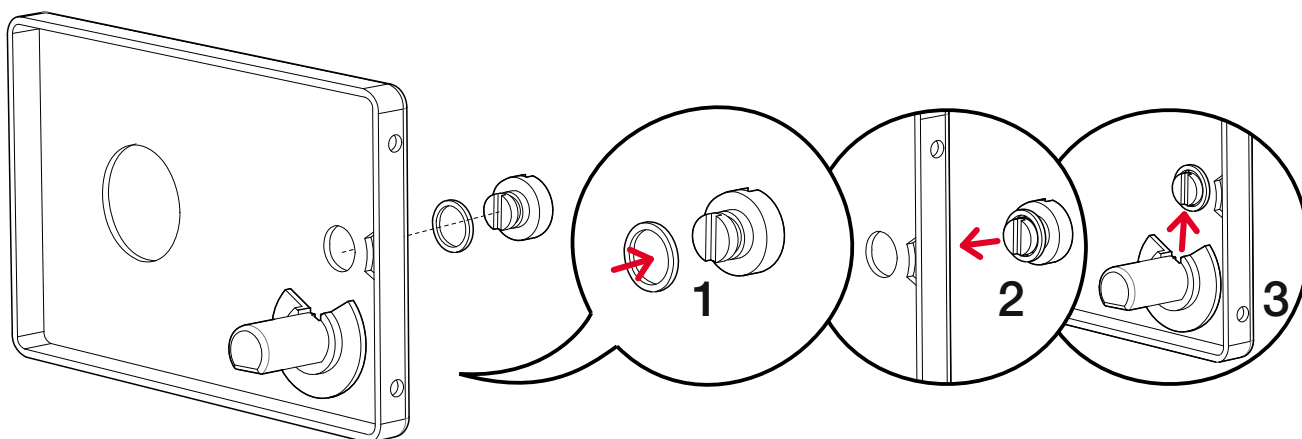
## 27 COLOCACIÓN GOMAS RUBBER PLACEMENT



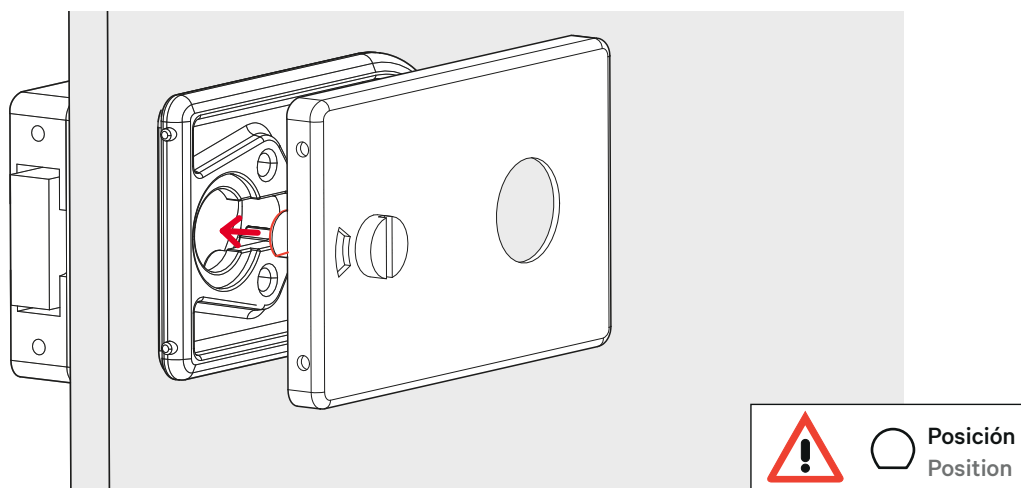
## 28 COLOCACIÓN CERRADURA LOCK PLACEMENT



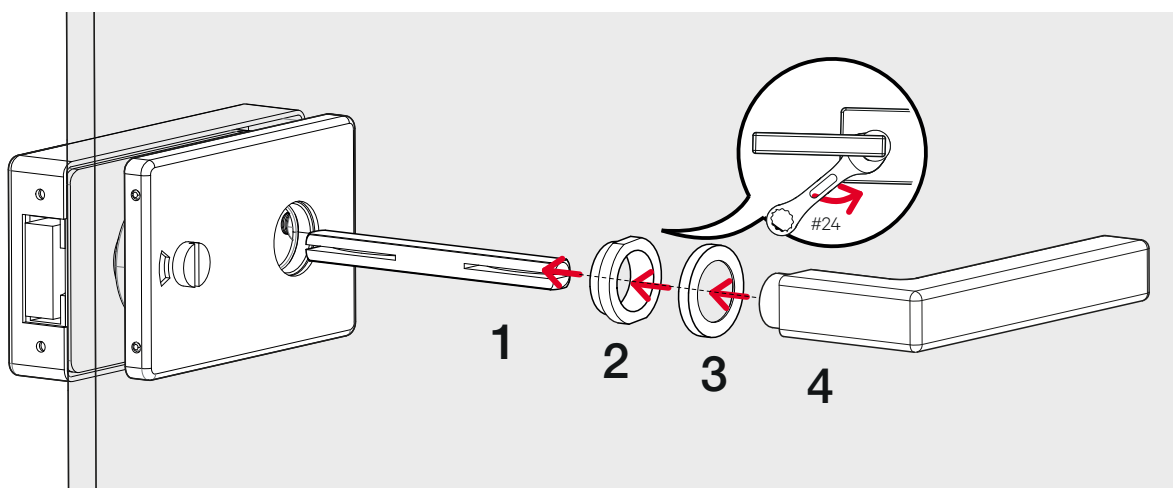
## 29 COLOCACIÓN DE LA CONDENA LADO EXTERIOR (RESCATE) PLACEMENT OF THE OUTER SIDE LOCK (RESCUE)



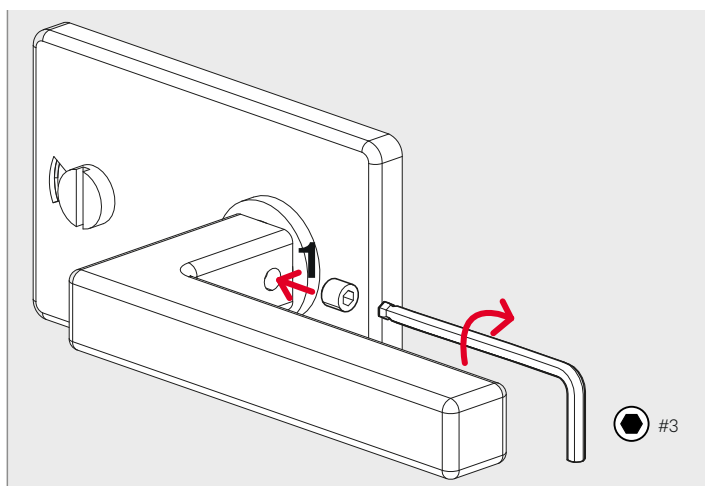
## 30 COLOCACIÓN DE LAS TAPAS LADO EXTERIOR PLACEMENT OF THE COVERS ON THE OUTER SIDE



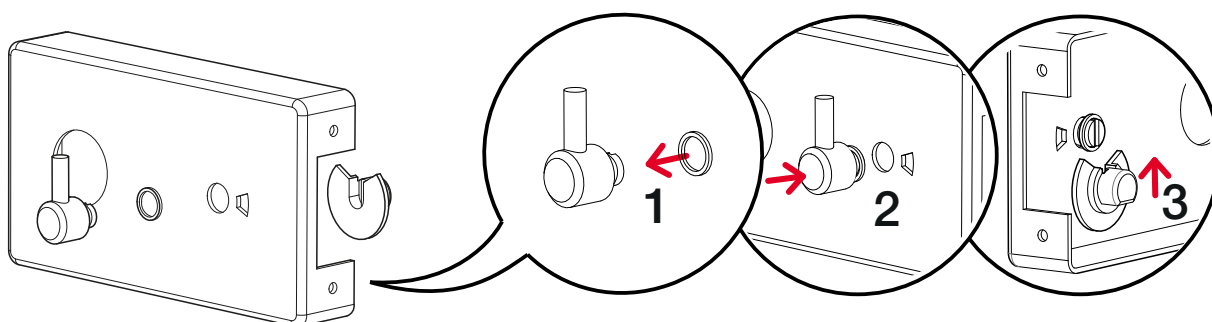
## 31 COLOCACIÓN DE LAS MANILLAS LADO EXTERIOR PLACEMENT OF THE COVERS ON THE OUTER SIDE



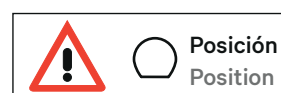
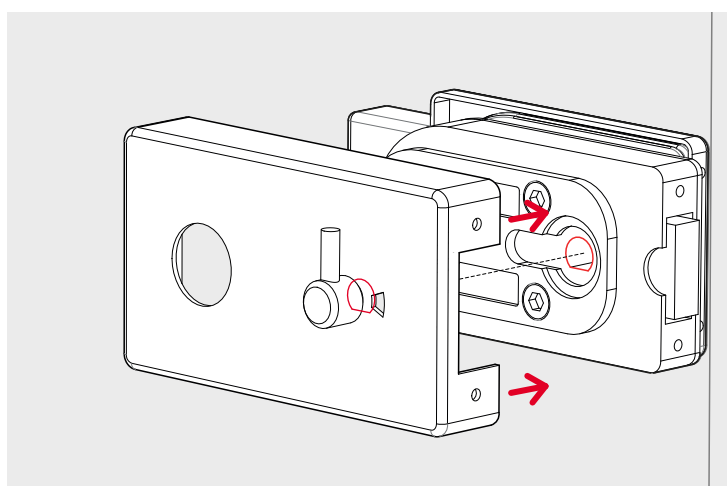
## 32 FIJACIÓN DE LAS MANILLAS LADO INTERIOR FIXING THE HANDLES ON THE INSIDE



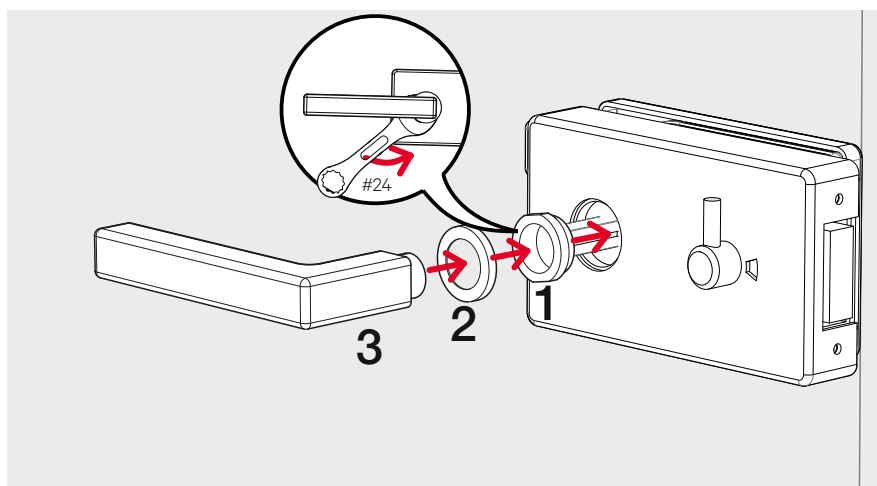
## 33 COLOCACIÓN DE LA CONDENA LADO INTERIOR PLACEMENT OF THE CONDEMNATION ON THE INSIDE



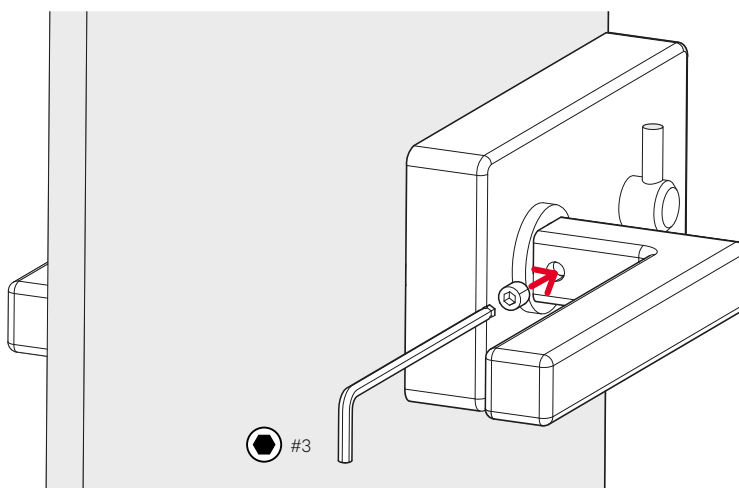
## 34 COLOCACIÓN DE LAS TAPAS LADO INTERIOR PLACEMENT OF THE INNER SIDE COVERS



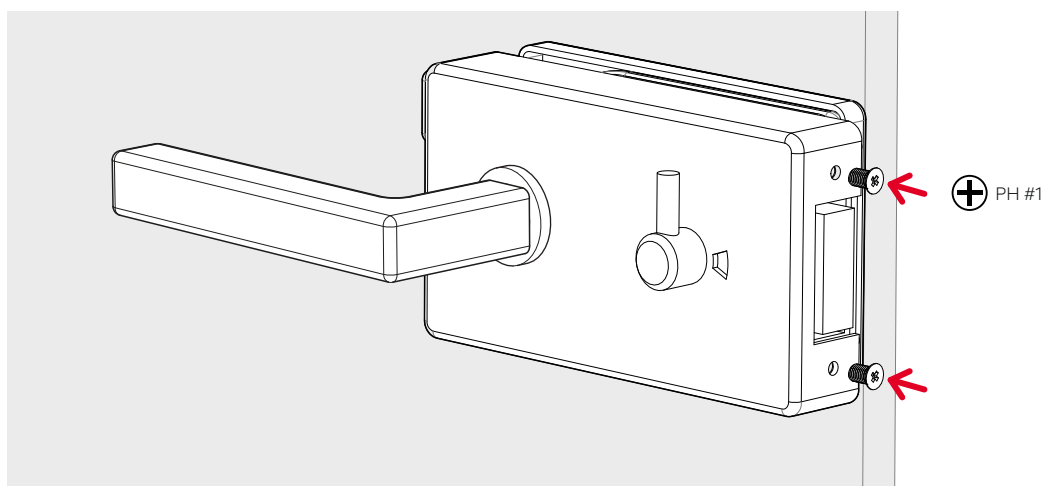
## 35 COLOCACIÓN DE LAS MANILLAS LADO INTERIOR PLACEMENT OF THE HANDLES ON THE INSIDE



## 36 FIJACIÓN DE LAS MANILLAS LADO EXTERIOR FIXING THE HANDLES ON THE OUTER SIDE



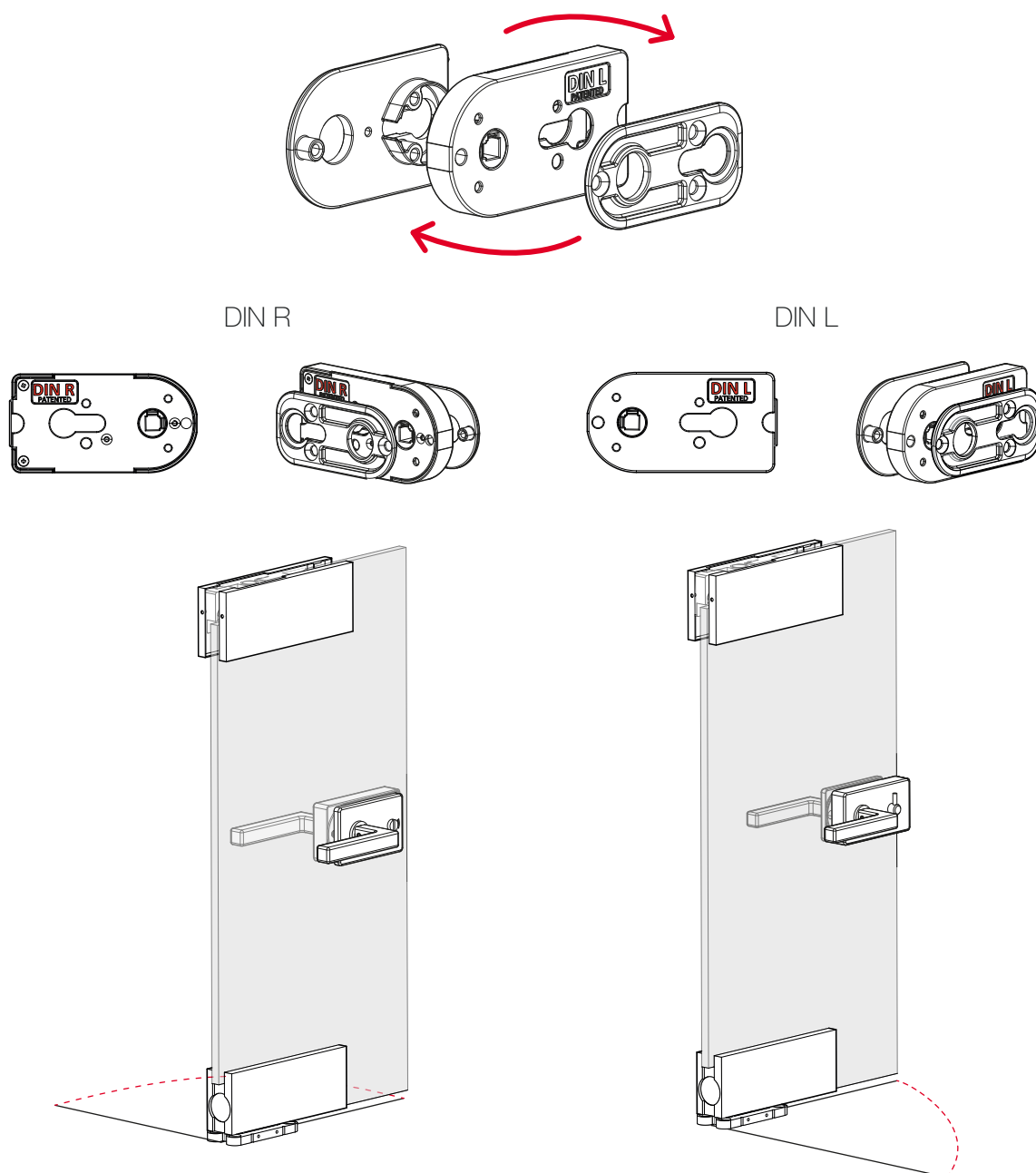
## 37 FIJACIÓN DE LAS TAPAS FASTENING OF THE COVERS



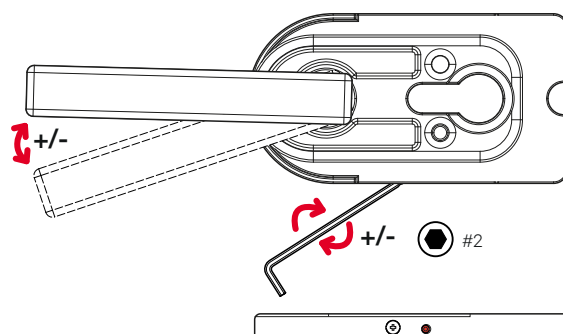
**MONTAJE MANILLA CIEGA**  
**CONCEALED HANDLE ASSEMBLY**



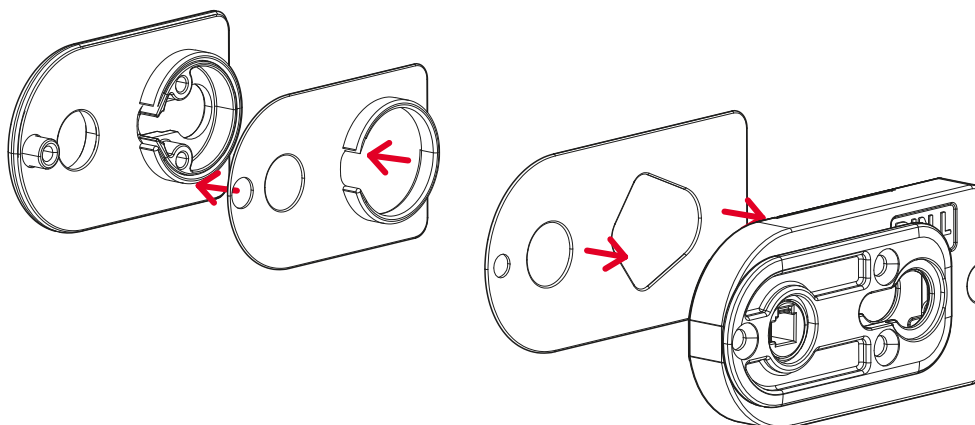
## CAMBIO DE MANO DE LA CERRADURA PARA LA APERTURA CHANGE OF LOCK HAND FOR OPENING



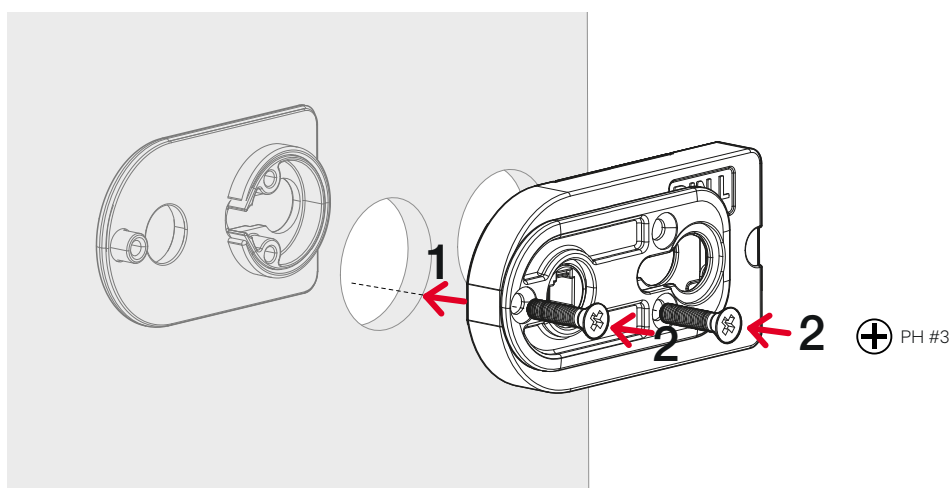
## REGULACIÓN ESFUERZO DE LAS MANILLAS HANDLE EFFORT REGULATION



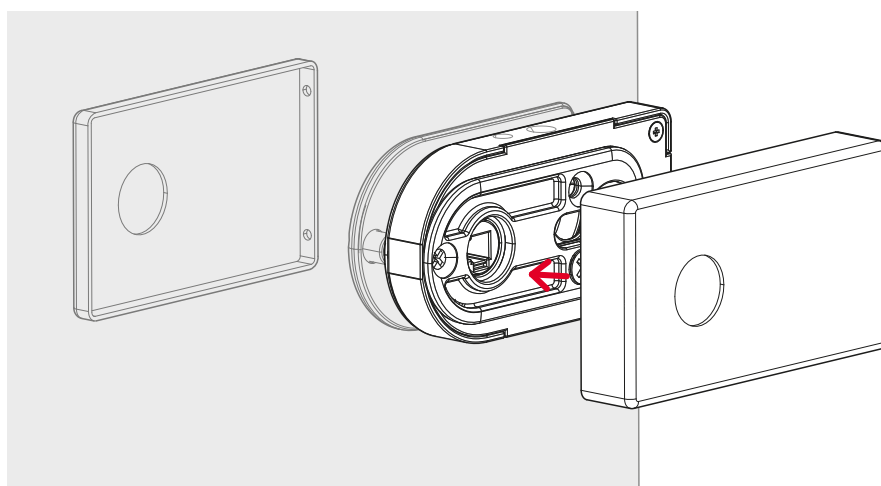
## 38 COLOCACIÓN GOMAS FITTING OF HANDLES



## 39 COLOCACIÓN CERRADURA LOCK PLACEMENT

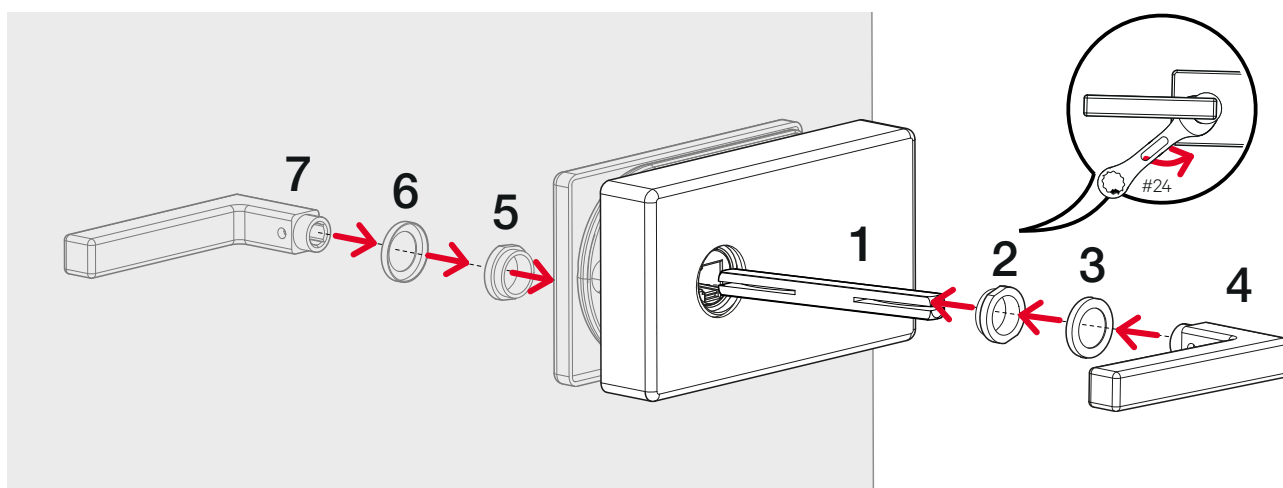


## 40 COLOCACIÓN TAPAS FITTING OF COVERS



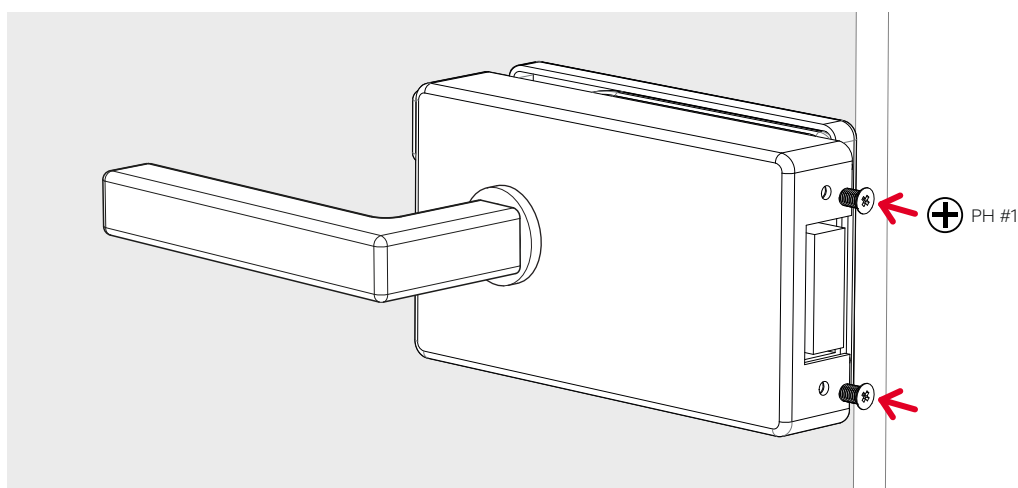
# 41

## COLOCACIÓN MANILLAS FITTING HANDLE



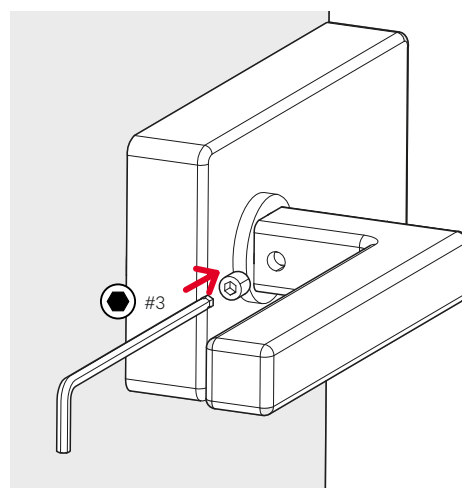
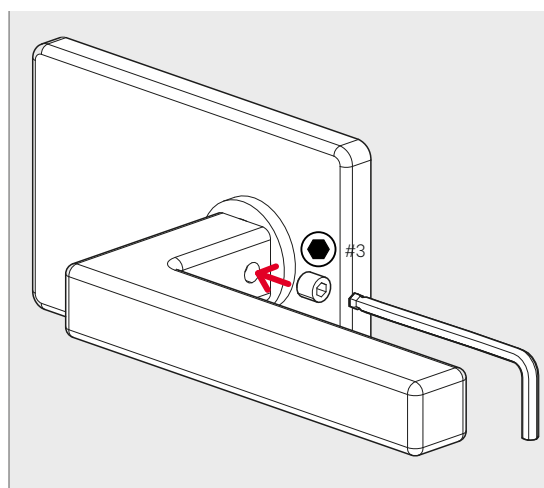
# 42

## FIJACIÓN TAPAS COVERS FIXATION



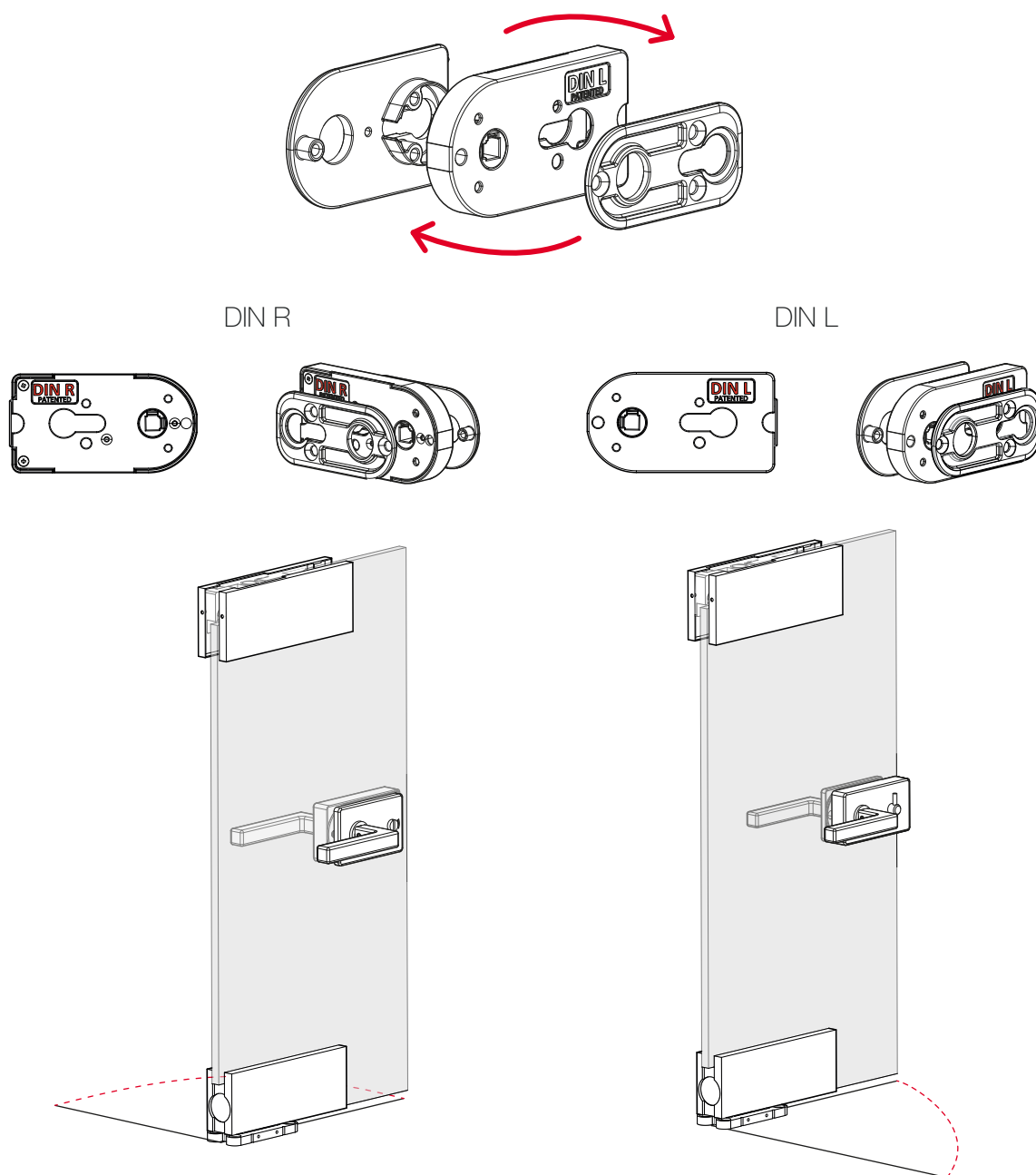
# 43

## FIJACIÓN MANILLAS HANDLE FIXATION

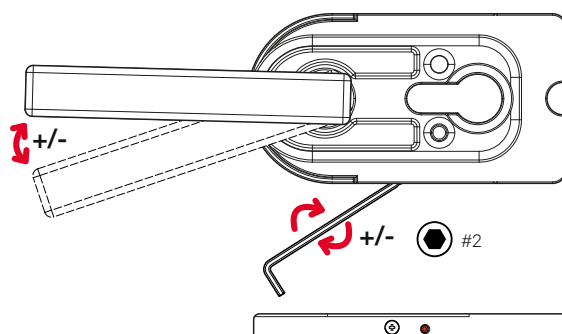


**MONTAJE MANILLA CILINDRO**  
**CYLINDER HANDLE ASSEMBLY**

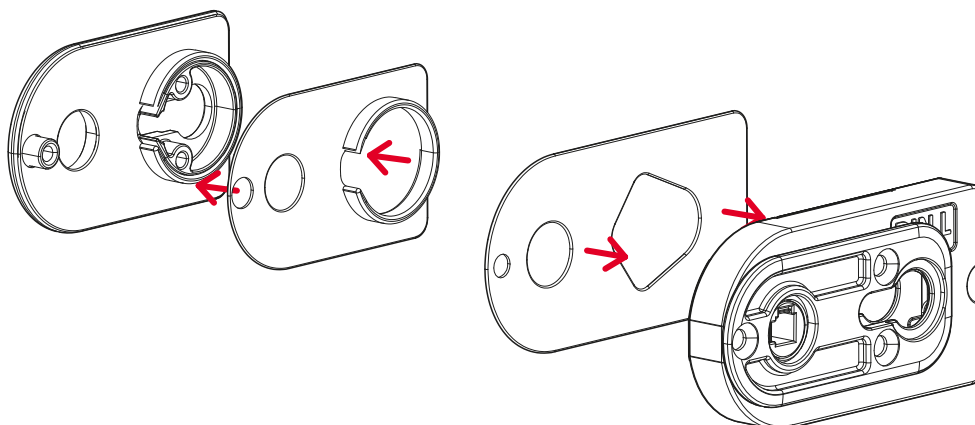
## CAMBIO DE MANO DE LA CERRADURA PARA LA APERTURA CHANGE OF LOCK HAND FOR OPENING



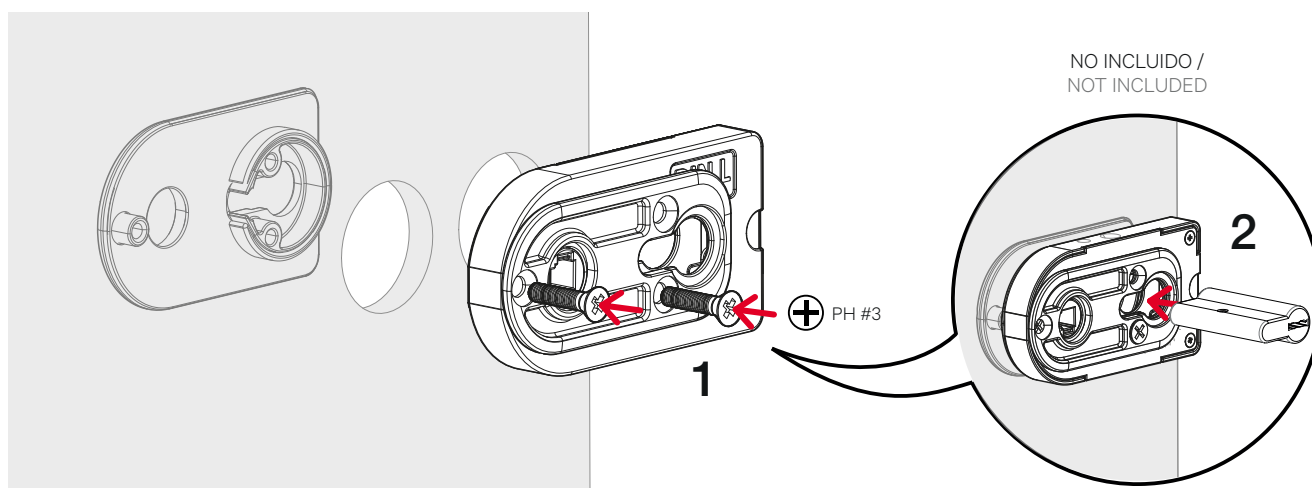
## REGULACIÓN ESFUERZO DE LAS MANILLAS HANDLE EFFORT REGULATION



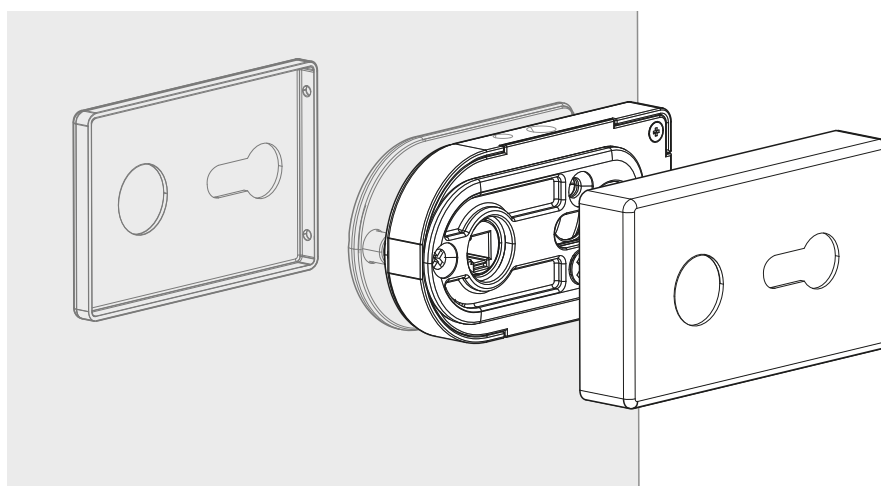
## 44 COLOCACIÓN GOMAS FITTING OF RUBBER



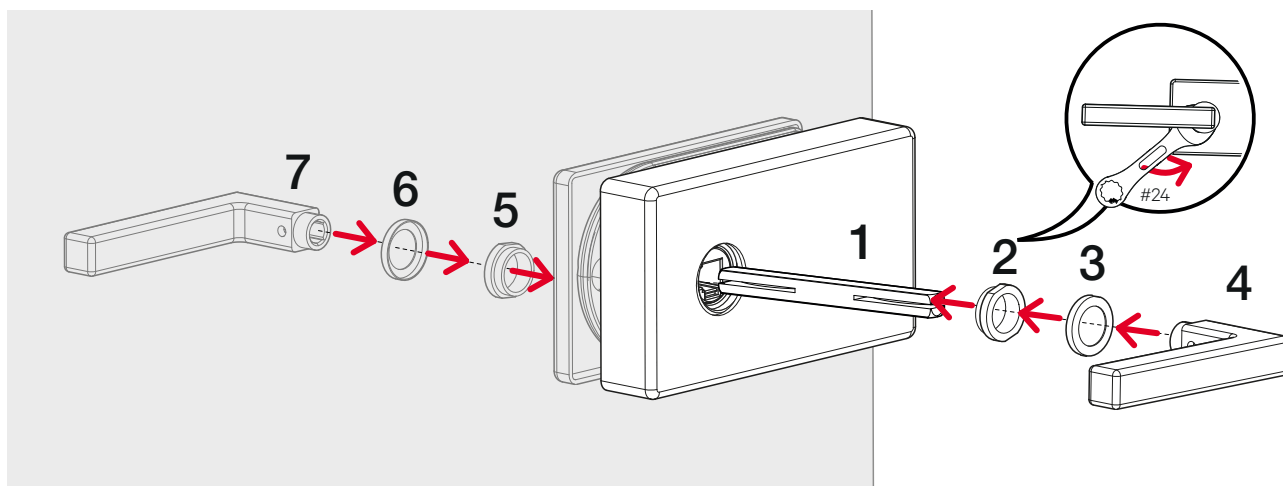
## 45 COLOCACIÓN CERRADURA LOCK PLACEMENT



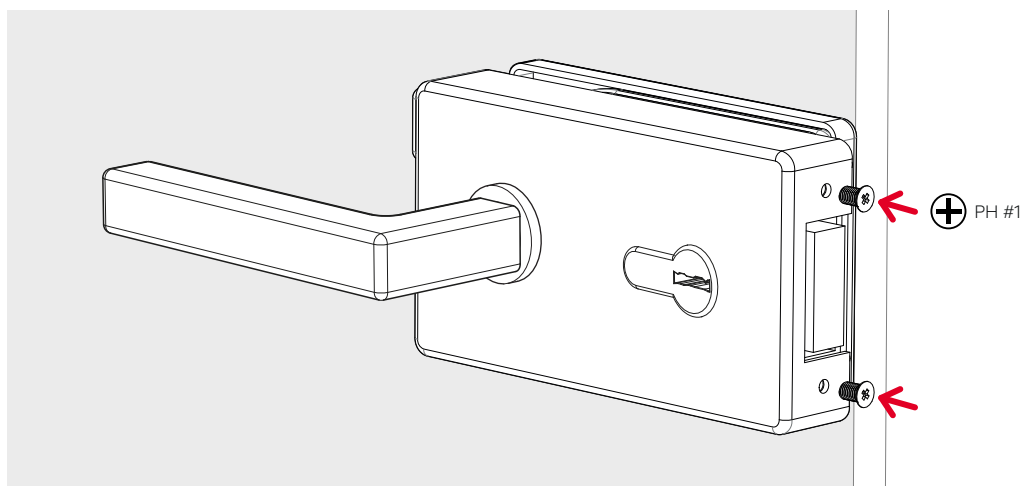
## 46 COLOCACIÓN TAPAS FITTING OF COVERS



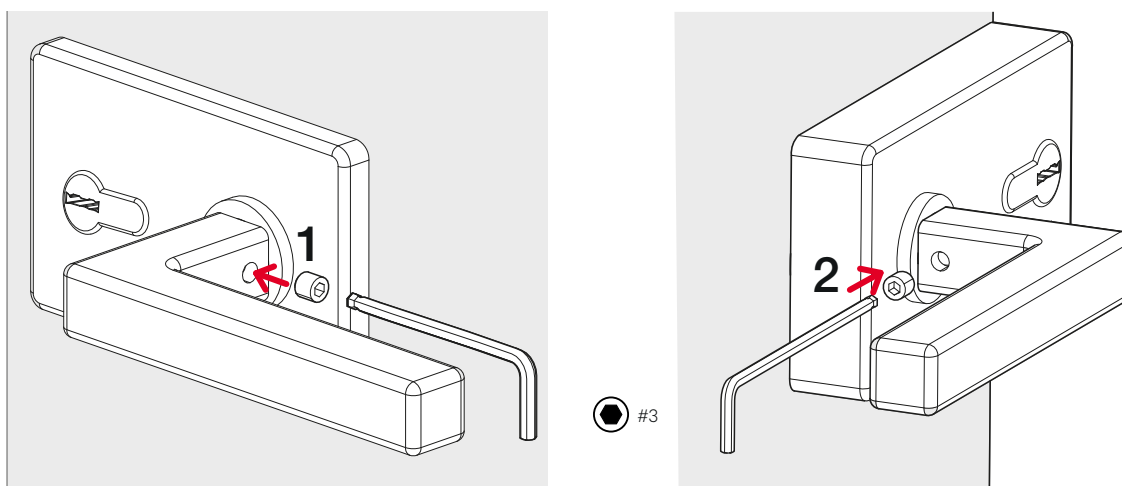
## 47 COLOCACIÓN MANILLAS FITTING HANDLE



## 48 FIJACIÓN TAPAS COVERS FIXATION



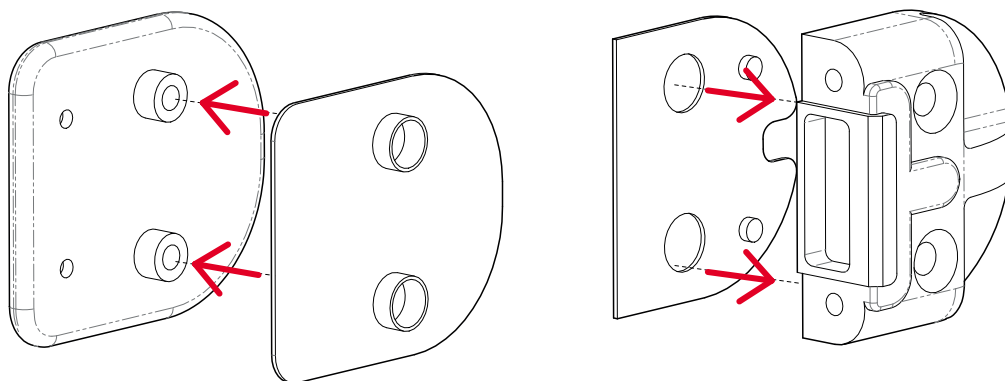
## 49 FIJACIÓN MANILLAS HANDLE FIXATION



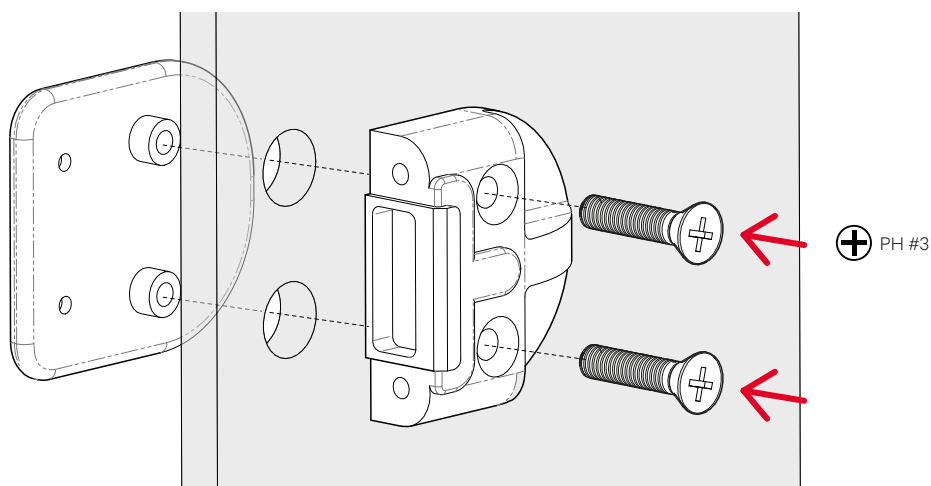
**MONTAJE CERRADERO VIDRIO**  
**STRIKE ASSEMBLY ON THE GLASS**



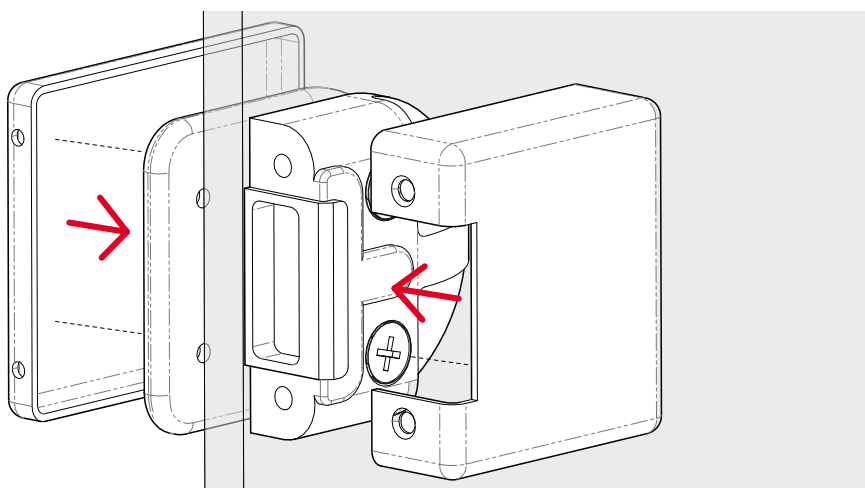
## 50 COLOCACIÓN GOMAS FITTING OF RUBBER



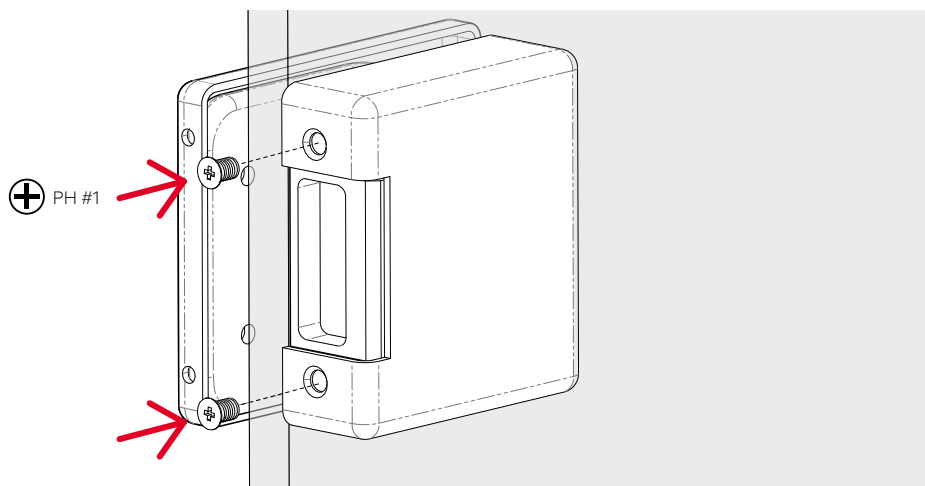
## 51 COLOCACIÓN CERRADERO VIDRIO GLASS LOCK PLACEMENT



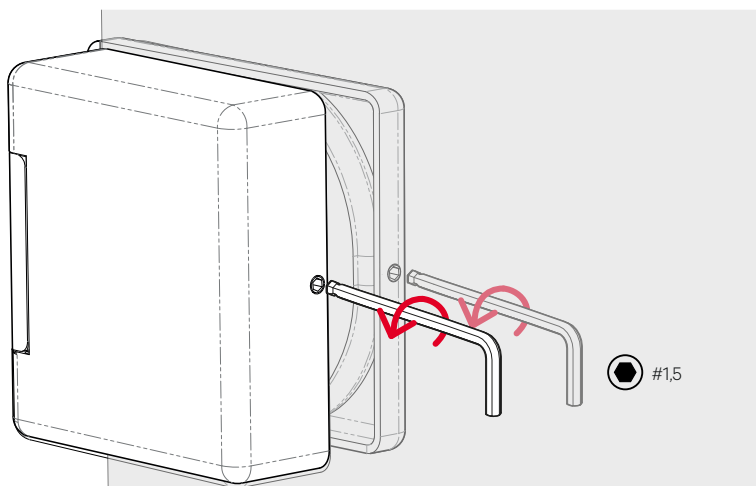
## 52 COLOCACIÓN TAPAS FITTING OF COVERS



## 53 FIJACIÓN TAPAS 1 COVERS FIXATION 1



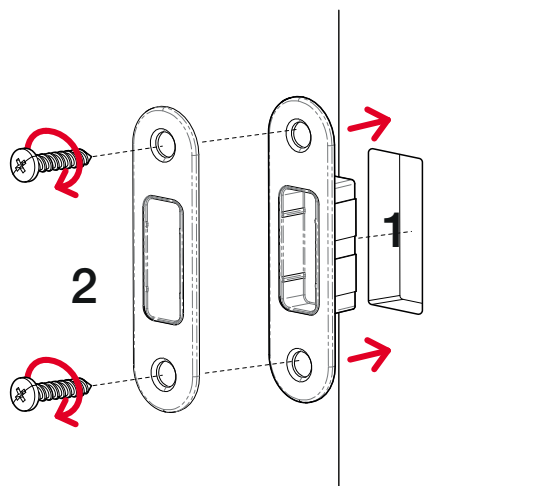
## 54 FIJACIÓN TAPAS 2 COVERS FIXATION 2



**MONTAJE CERRADERO PARED**  
**STRIKE ASSEMBLY ON THE WALL**

# 55

## COLOCACIÓN CERRADERO PARED WALL LOCK PLACEMENT



**Limited Warranty.**

- (1) KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. warrants to the immediate customer only that the delivered goods are free of original material defects and defects in workmanship for a period of five years from date of receipt by the customer. All warranty claims are subject to inspection by KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. prior to KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. providing a remedy for the warranty claim.
- (2) Excluded from this warranty are products, or parts of them, subject to wear through use, and products which have not been used in accordance with their technical characteristics and for purposes for which they have not been designed, being understood that the products sold by KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. are designed exclusively for the enclosure of spaces, with the enclosing running precisely in the longitudinal sense.
- (3) Also excluded from this warranty are those products in which the limits expressed in the product documentation have been exceeded for weights and dimension supported by the product, and/or recommendations for the qualities of the material to which the products sold by KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. are fixed have not been complied with.
- (4) KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. makes no warranty with respect to the following: a) materials not manufactured by KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. or any other group companies, the use of which is suggested by KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. or any other group companies general recommendations, application or installation procedures or otherwise; b) All display items sold by KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. to the Customer.
- (5) Warranties are exclusive, and in lieu of all other warranties, express or implied, written or oral, including but not limited to, any implied warranty of merchantability or fitness for any particular purpose. KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. does not assume, nor authorize any representative or other person to assume for it, any obligation or liability other than as expressly set forth herein.
- (6) For the warranty to take effect, the defective product must be sent with the voucher or purchase invoice to the Company, which will then process to repair or replace the product, at its choice.
- (7) KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. will accept no other responsibility than the repair or replacement of the product and only for the purchaser of the product, so the rights granted by this warranty may not be assigned to third parties.

**Extent of liability.**

- (1) In case of a breach of contractual obligations, defective deliveries, tortuous acts or producers liability, KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. shall only be obliged to compensate damages or expenses –subject to any other contractual or statutory conditions for liability– if it acted intentionally or with gross negligence or in cases of minor negligence, if such negligence results in the breach of an essential contractual duty (a duty the breach of which puts the fulfillment of the purpose of the contract at risk). The liability of KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. shall be limited to typical damages which are foreseeable at the time of the conclusion of the contract.
- (2) The liability of KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. for losses caused by late delivery due to minor negligence shall be limited to 5% of the agreed purchase price.
- (3) The exclusions and limitations of liability in sections (1) – (2) shall not apply in cases where KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. has maliciously failed to disclose a defect, in case of damages resulting from death, injury to health or physical injury where the laws on product liability impose overriding liabilities which cannot be excluded.
- (4) The limitation period for claims against KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. –based on whatever legal ground- is 12 months from the date of delivery to the customer and in case of tortuous claims 12 months from the date the customer becomes aware or would have become aware of the grounds giving rise to a claim and the liable person had he not been grossly negligent. The provisions in this section (4) shall neither apply in cases of intentional or gross negligent breaches of duty nor shall they apply in cases referred to in section 13. (3).

**Force Majeure.**

- (1) KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. shall not be liable for any default or delay in the production or delivery of all or any goods resulting either directly or indirectly from: a) Accidents to, breakdowns, or mechanical failure of KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. or any other group companies' plant, machinery or equipment, strikes or other labour troubles, labour shortages, fire, flood, wars, acts of the public enemy, acts of God, delays of suppliers, delays in transportation or lack of transportation facilities, embargos, shortages or reductions of energy sources, priorities, allocations, limitations, restrictions or other acts required or requested by federal, state or local governments or any other bureau or agency thereof; b) Any action beyond the control of the Company.
- (2) In no event shall KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. or any other group companies be liable for any consequential, special, or contingent damages arising out of KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. or any other group companies default or delay in filling the customer's order.

**Industrial Property Rights, Copyrights.**

- (1) Industrial property rights and copyrights to any goods or material of KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. shall remain exclusively the proprietary of the Company. (2) In the event of claims against the customer because of breach of an industrial property right or a copyright in using the Company's deliveries or services, KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. shall be responsible to obtain the right for the customer to continue using such deliveries or services, provided that the customer gives immediate written notice of such third-party claims and KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. rights to take all appropriate defensive and out-of-court actions are reserved. If, despite such actions, it proves impossible to continue using the Company's deliveries or services under reasonable economic conditions, it shall be understood as agreed that KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. may, at its discretion, modify or replace the particular delivery or service for removal of a legal deficiency, or reship such delivery or service with refunding of the sales price previously paid to KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. less a certain deduction to account for the age of the delivery or service in question.
- (2) The customer shall have no further claims alleging infringement of industrial property or copyrights, if KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. has not either violated essential contractual duties or has intentionally or grossly negligently breached contractual duties. KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. shall have no liability where breaches of rights are caused by exploiting Company's deliveries or services in any other way than quoted by KLEIN IBERICA, S.A.U. & KLEIN USA, Inc. or by operating these together with any other than Company's deliveries or services.



# KLEIN

KLEIN EUROPE - GLOBAL HEADQUARTER  
Pol. Ind. Can Cuyas. N-150 Km.1  
08110 Montcada i Reixac (Barcelona)  
Tel.: + 34 935 760 101

Fax: + 34 935 760 109  
klein@klein.es  
www.klein.es

KLEIN USA, INC - US HEADQUARTER  
1 Madison Street  
East Rutherford, NJ 07073  
Phone: 973 246 8181

Fax: 973 246 8362  
info@klein-usa.com  
www.klein-usa.com

Follow us on social media  
Síguenos en redes

