



Air

SALICE

USA

Air - the truly concealed hinge



Air is an innovative and functional concealed hinge system, characterized by sophisticated design, compactness and very high performance qualities.

Like traditional hinges, Air is fully adjustable in three directions and also incorporates an integrated Soft Close mechanism for soft closing doors or the Push self-opening system for handle-less doors.

With a height of only 10mm, Air is recessed into the cabinet and the door and is practically invisible.

It can be used both with wood doors and aluminum framed doors. Whether used on small light doors or tall heavy doors, 2 hinges are all that is required to ensure a smooth and worry free action.

Air is also available in Titanium finish and suitable for numerous applications: kitchens, bathrooms, living areas and bedroom furniture or display cabinets.

Compact, stylish and elegant.

Air is the new fusion of technology and aesthetics.



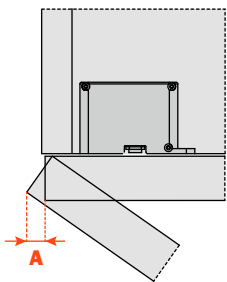


Technical features

Air hinges are offered with integrated soft close mechanism or Push opening. They are attached to the top and bottom panel of the cabinet.

For min. 18 mm (3/4") thick wood doors and for aluminum-framed doors.
 Max. door weight 20 Kg (44 lbs).
 Max. dimensions of the door : height 2100 mm (84"), width 610 mm (24").
 16.5 mm deep metal cup.
 L = 2.5 mm
 105° opening.
 Possible drilling distance on the door (K): from 3 mm (1/8") to 6 mm (1/4") for wood doors.
 Fixed K = 4 mm for aluminum-framed doors (DEL6LP300_).

Space needed to open the door

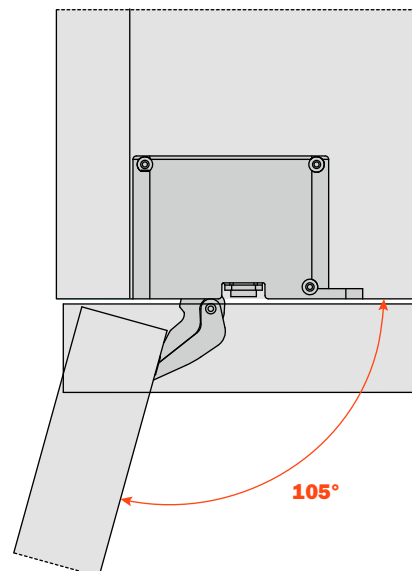
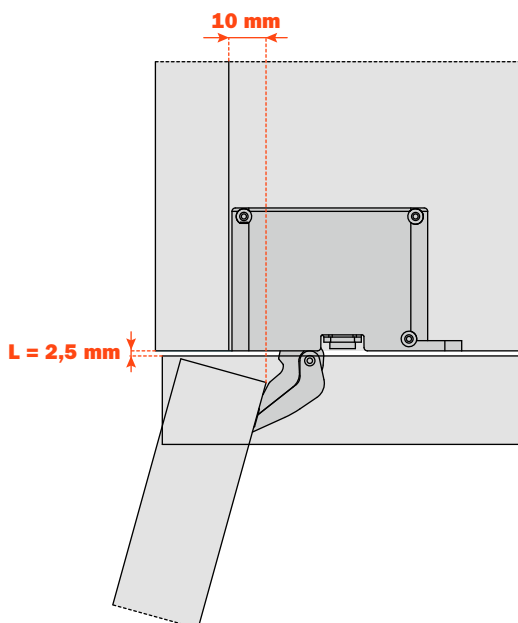


T=	18	20	22	24	26	28	30	32
K=3	A= 0	0.2	0.5	0.8	2.3	4.9	7.5	10.0
K=4	A= 0	0.2	0.4	0.8	1.3	3.9	6.5	9.0
K=5	A= 0	0.2	0.4	0.8	1.3	2.9	5.5	8.0
K=6	A= 0	0.2	0.4	0.8	1.2	1.9	4.5	7.0

The above values are calculated on the assumption that the doors have 1mm radius edge. They are reduced if the doors have radiused edges.

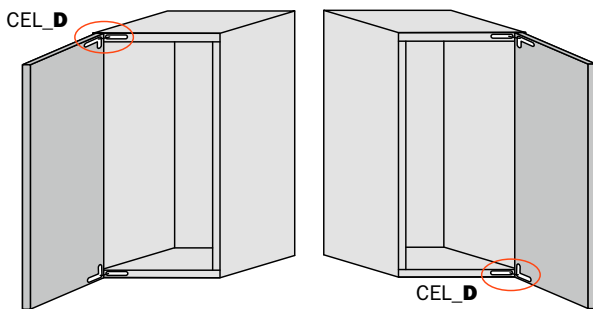
Protrusion of the door

Protrusion of the door from the cabinet side at the max. opening.
 The figures are based on K value = 3 mm (1/8") and door overlay = 19.5 mm (3/4").



SET PACKING (poly-bag)

Closing Opening	Nickel finish	Titanium finish	Packaging
Soft close	CEL6XE9XXV	CEL6XE6XXV	Box 12 bags Cartons 72 bags . 1 bag contains: 2 hinges and wood screws 2 #8 x 1" wood screws/Pozi drive 4 #6 x 5/8" wood screws/Pozi drive
Push	CELPX99XXV	CELPX66XXV	



CEL_D is marked **R**
CEL_S is marked **L**

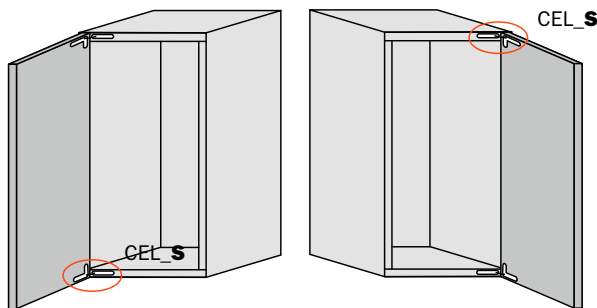
For a left hand opening door, use a **CEL_D** on the top and **CEL_S** on the bottom.

For a right hand opening door, use a **CEL_D** on the bottom and a **CEL_S** on the top.

INDUSTRIAL PACKAGING

*Special order

Closing Opening	Nickel finish	Titanium finish	Packaging
Soft close	CEL6DE9XXI	CEL6DE6XXI	Cartons 100 pcs. . Wood screws included #8 x 1" wood screws/Pozi drive #6 x 5/8" wood screws/Pozi drive
Push	CELPD99XXI	CELPD66XXI	

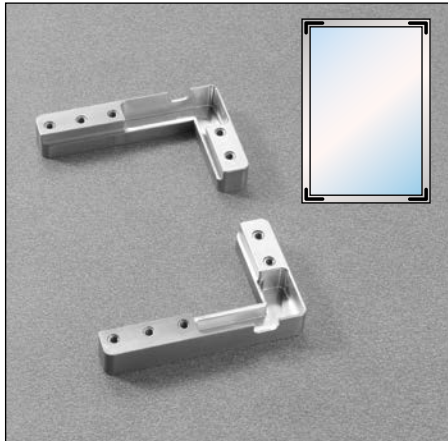


CEL_D is marked **R**
CEL_S is marked **L**

For a left hand opening door, use a **CEL_D** on the top and **CEL_S** on the bottom.

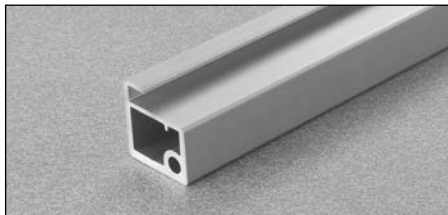
For a right hand opening door, use a **CEL_D** on the bottom and a **CEL_S** on the top.

Closing Opening	Nickel finish	Titanium finish	Packaging
Soft close	CEL6SE9XXI	CEL6SE6XXI	Cartons 100 pcs. . Wood screws included #8 x 1" wood screws/Pozi drive #6 x 5/8" wood screws/Pozi drive
Push	CELPS99XXI	CELPS66XXI	



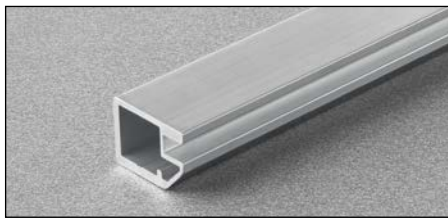
Corner connectors (L & R) for frame assembly of the doors and hinge mounting.

Part number	Packing
DEL6BSFV02	Boxes 25 bags 1 bag contains: 4 corner connector and machine thread assembly screws in Nickel & Titanium



26 mm frame for glass (insertion 4 mm with gasket)

Part number	Packing	Length
DEL6LP300P	12 frames anodized aluminum	3 m (9' - 10")
DEL6LP300T	12 frames Titanium	3 m (9' - 10")



19 mm frame for glass (insertion 4 mm with gasket)

Part number	Packing	Length
DEL9LP300P	14 frames anodized aluminum	3 m (9' - 10")
DEL9LP300T	14 frames Titanium	3 m (9' - 10")



Gasket for glass.

Part number	Packing	Length
D206AG3000	12 gaskets	3 m (9' - 10")



Angle reduction clip to reduce the opening to 92°.

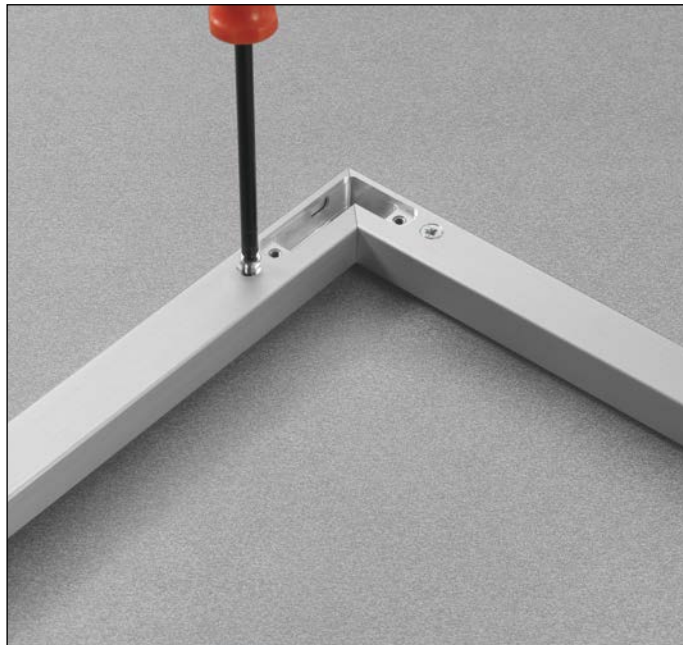
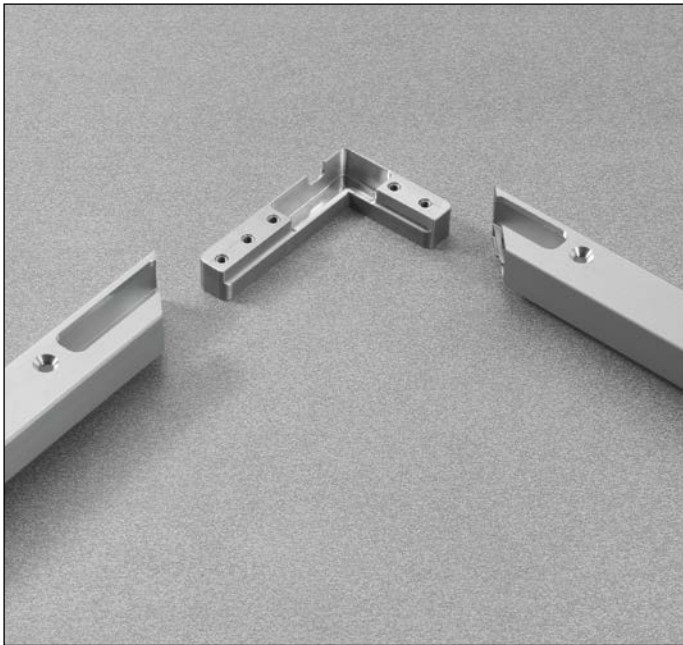


Part number	Packing
SEL637X3	Cartons 500 pieces

Aluminum frame assembly

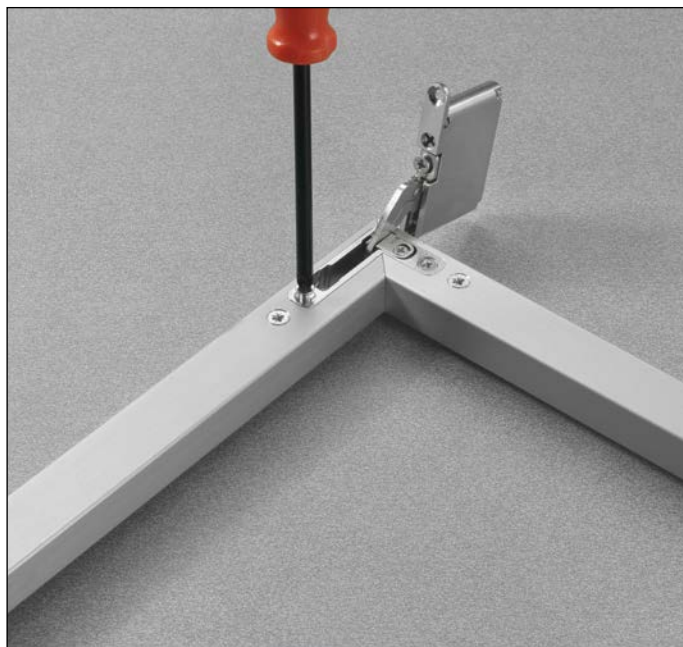
The profiles which make up the door must be cut and the ends mitred at 45°, and milled for the insertion of the corner connectors.

Insert the corner connectors into the profile and fix them with the provided screws.



Insert the hinges into the slots.

Fix the hinges with the provided screw.



CEL_D is marked **R**
CEL_S is marked **L**

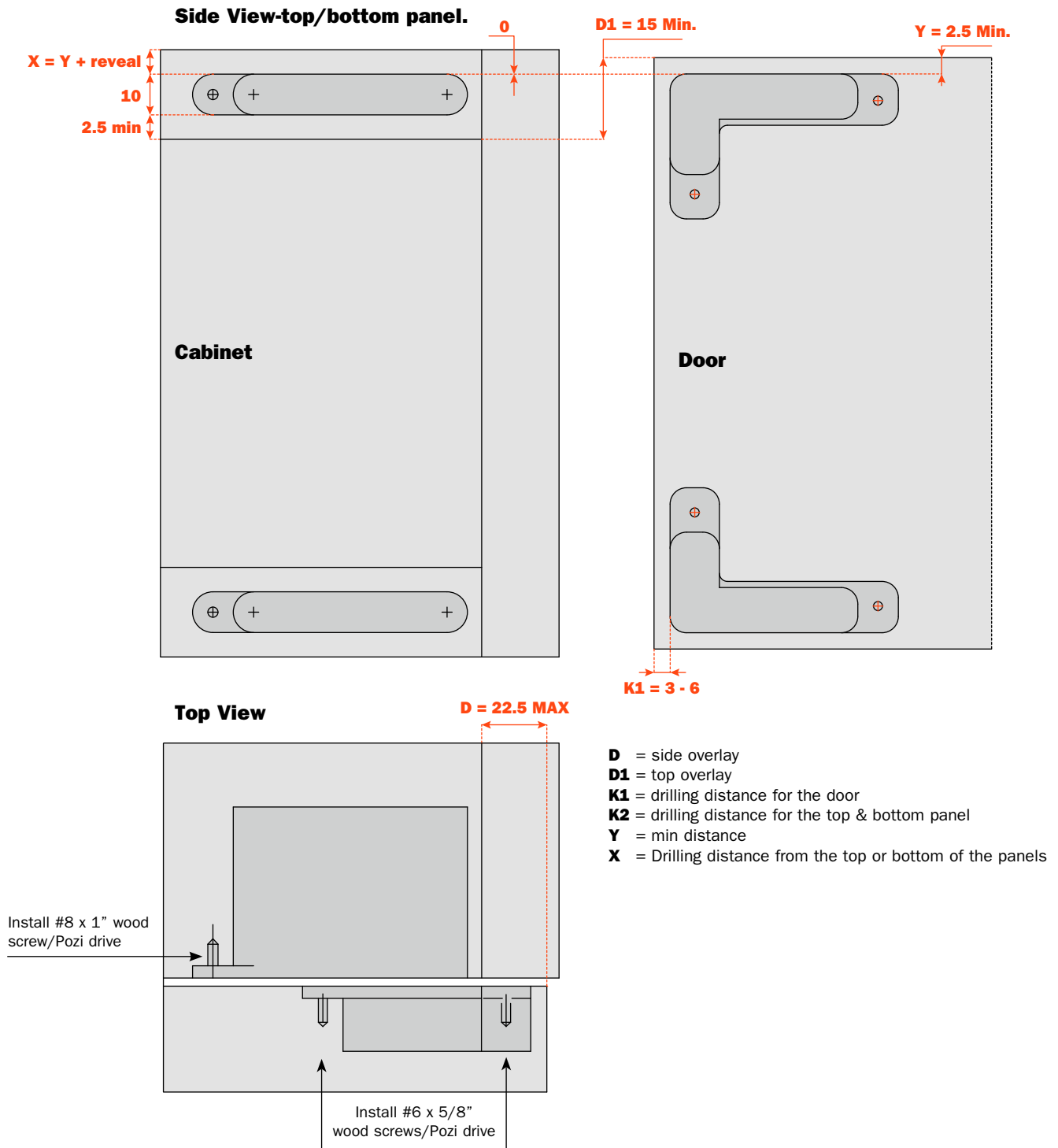
For a left hand opening door, use a **CEL_D** on the top and **CEL_S** on the bottom.

For a right hand opening door, use a **CEL_D** on the bottom and a **CEL_S** on the top.

For aluminum frame doors: Where a **CEL_D (R)** hinge is used, you must use a corner bracket marked **R**.

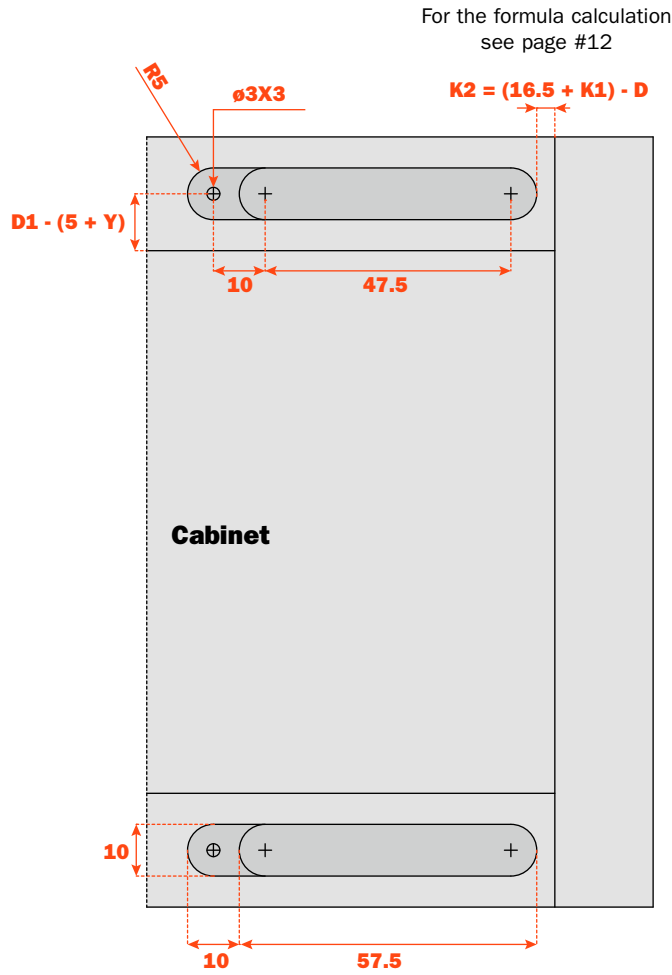
For aluminum frame doors: Where a **CEL_S (L)** hinge is used, you must use a corner bracket marked **L**.

Overlay specifications

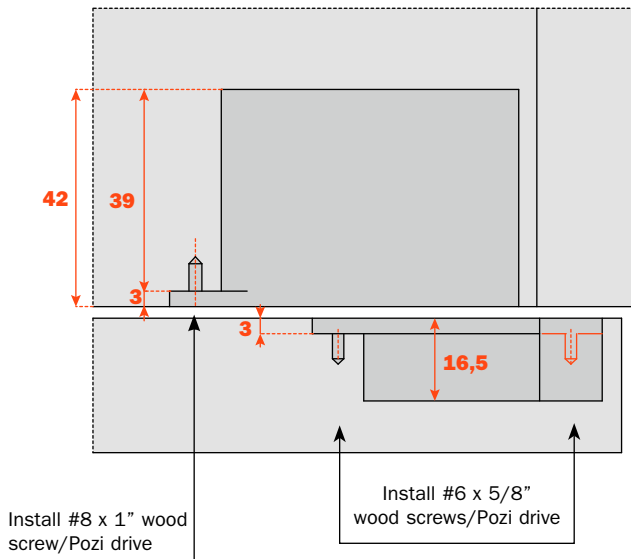
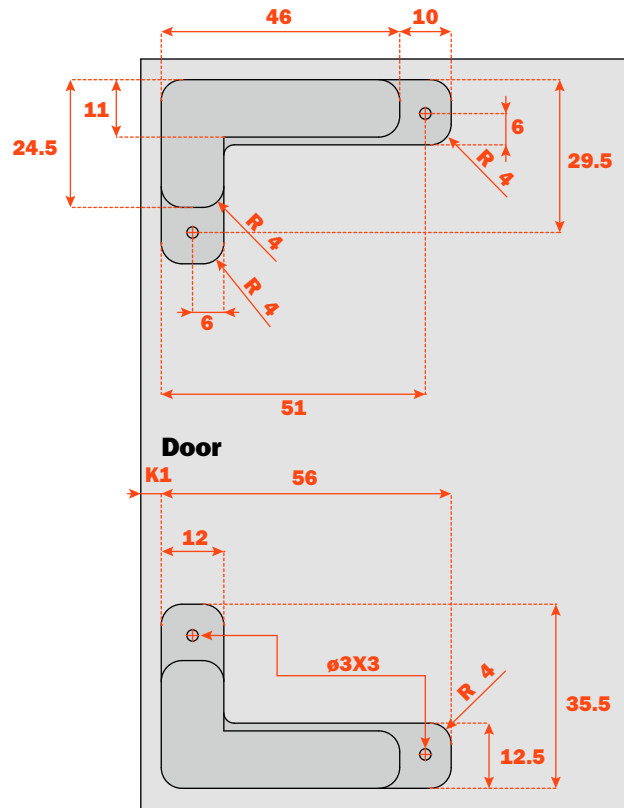


Drilling specifications

Top and bottom panel.



Door drilling.

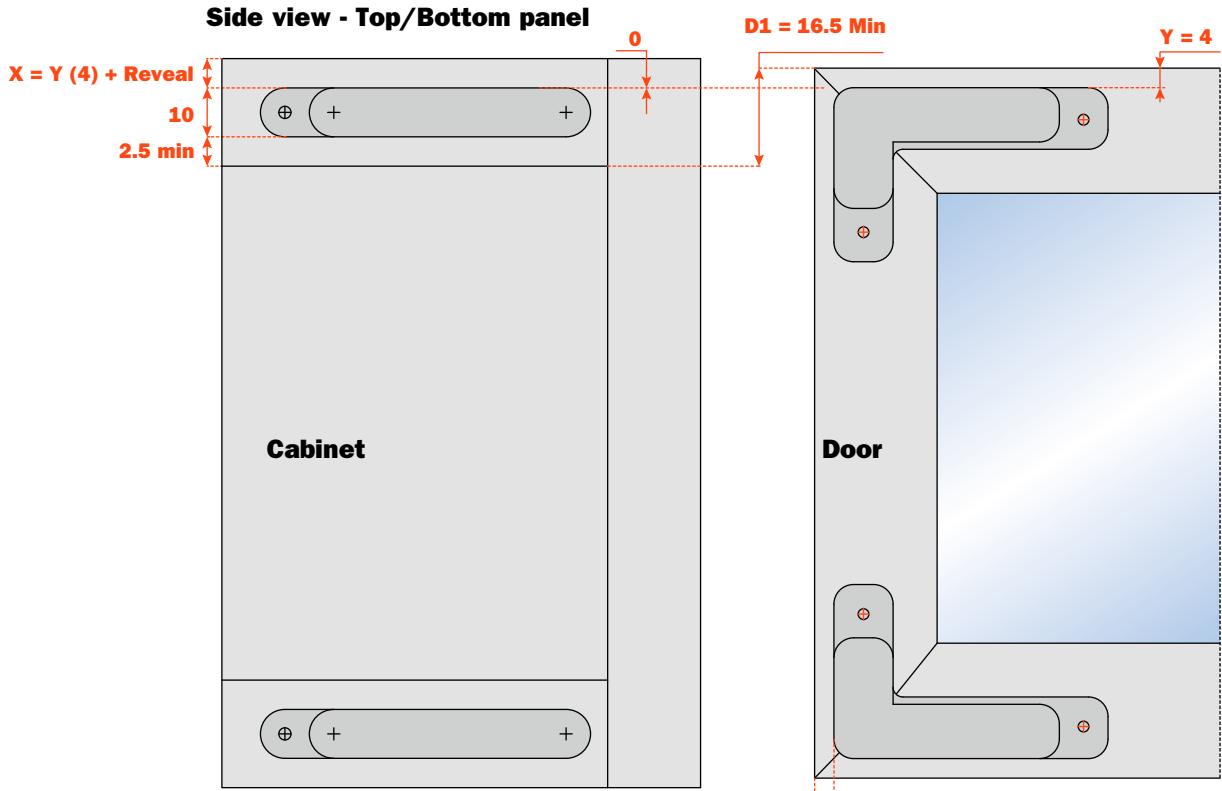


- D** = side overlay
- D1** = top overlay
- K1** = drilling distance for the door
- K2** = drilling distance for the top & bottom panel
- Y** = min distance
- X** = Drilling distance from the top or bottom of the panels

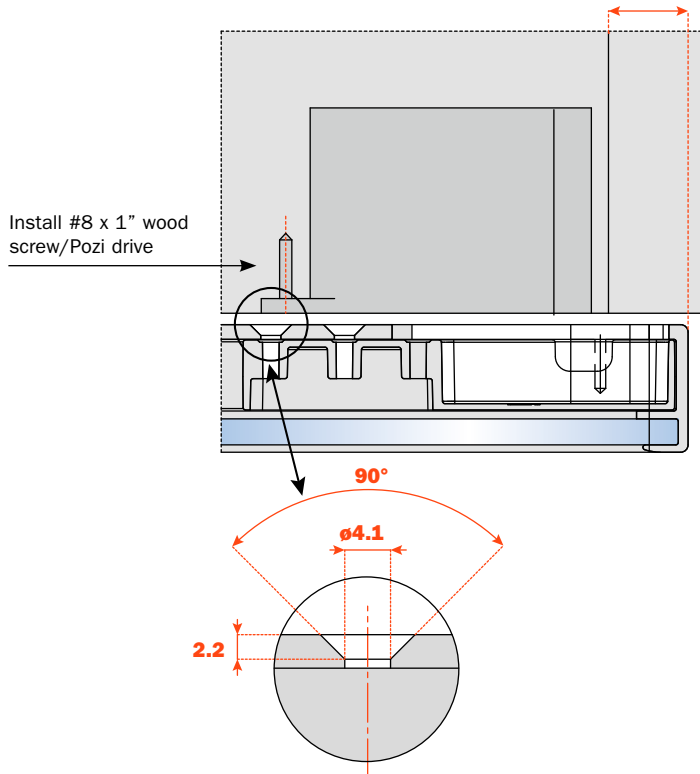
Note: Pre-drill holes with ø2mm drill bit.

Overlay specifications

Specs for the frame DEL6LP300_ and use of the corner connectors DEL6BSFV02.



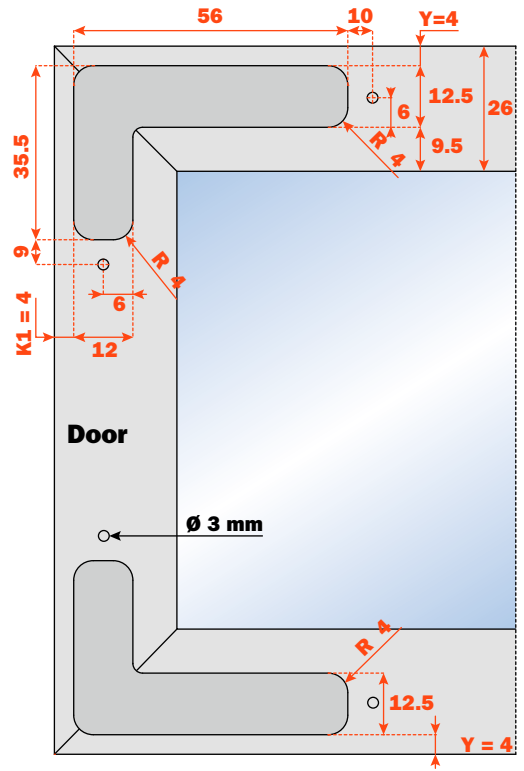
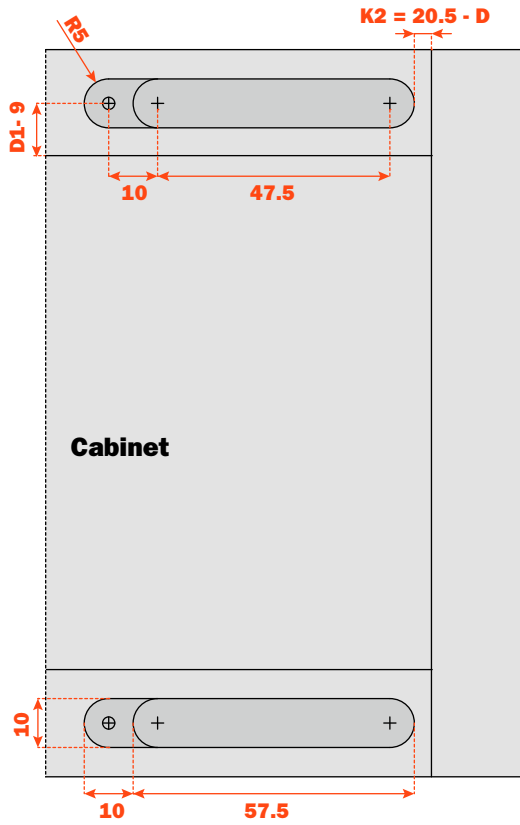
Top view $D = 20.5 \text{ Max}$



- D** = side overlay
- D1** = top overlay
- K1** = drilling distance for the door
- K2** = drilling distance for the top & bottom panel
- Y** = min distance
- X** = Drilling distance from the top or bottom of the panels

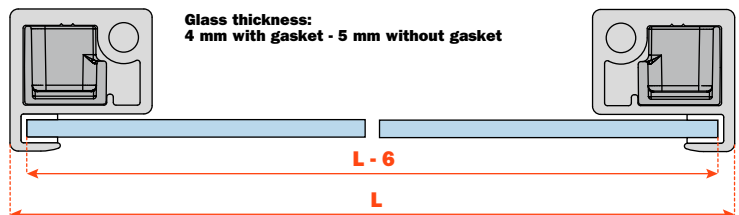
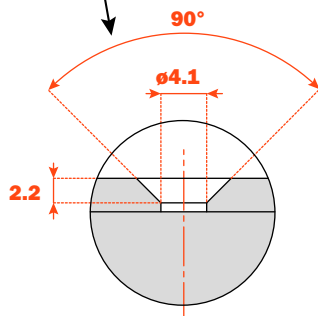
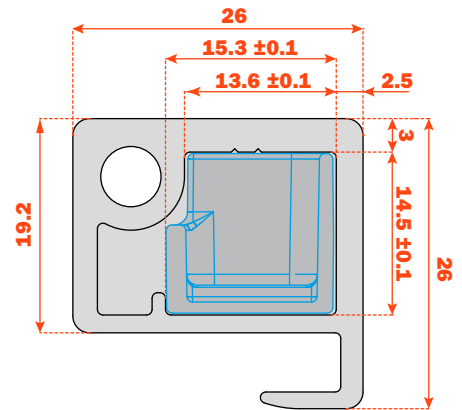
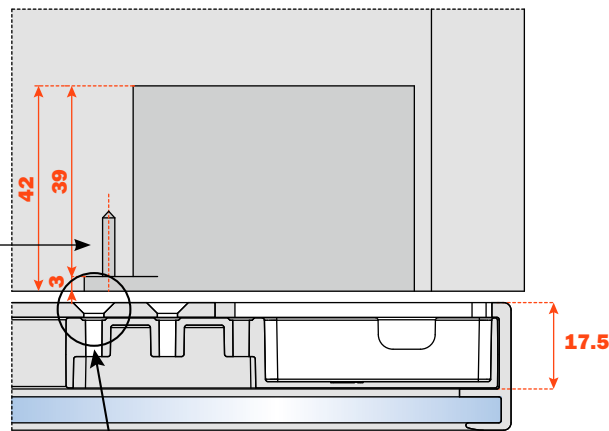
Top and bottom panel.

Milling for aluminum frame doors.



Install #8 x 1" wood screw/Pozi drive

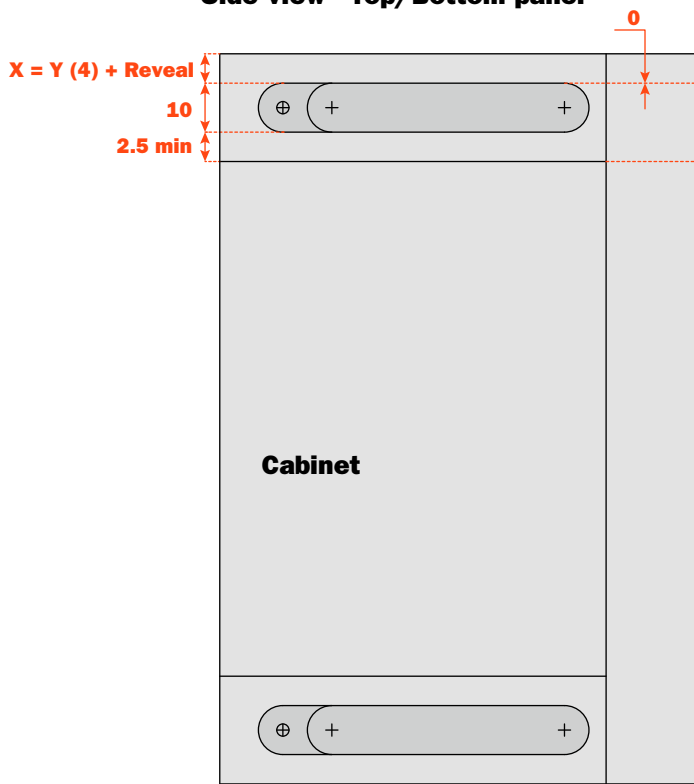
Note: Pre-drill holes with $\emptyset 2 \text{ mm}$ drill bit.



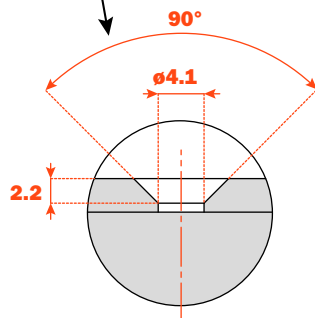
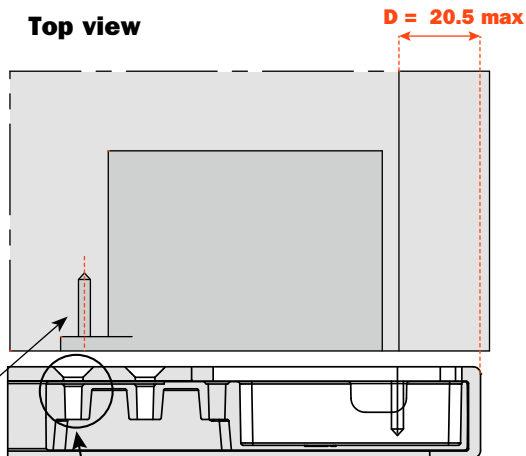
Overlay specifications

Specs for the frame DEL9LP300_ and use of the corner connectors DEL6BSFV02.

Side view - Top/Bottom panel



Top view

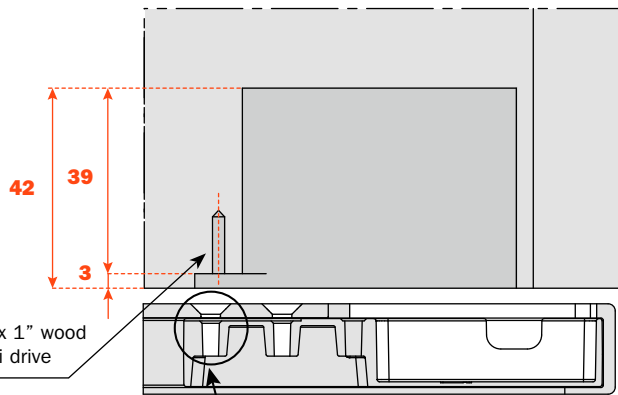
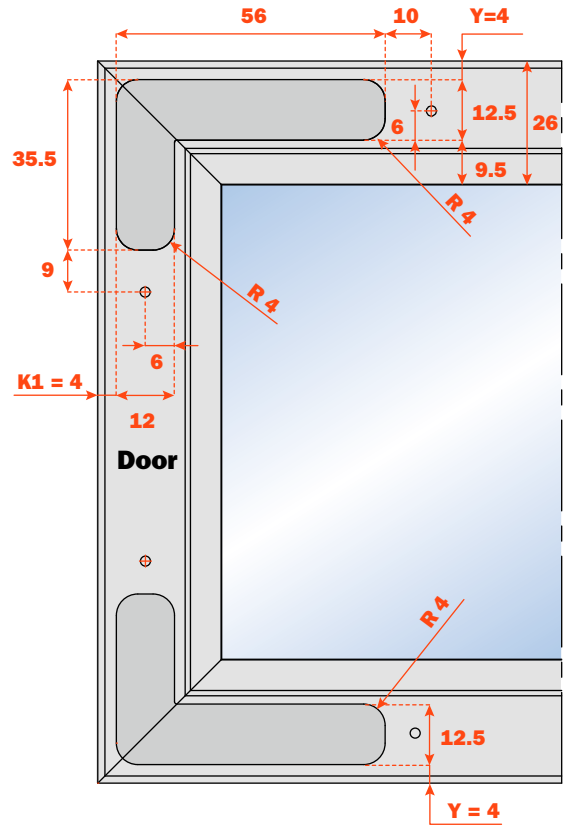
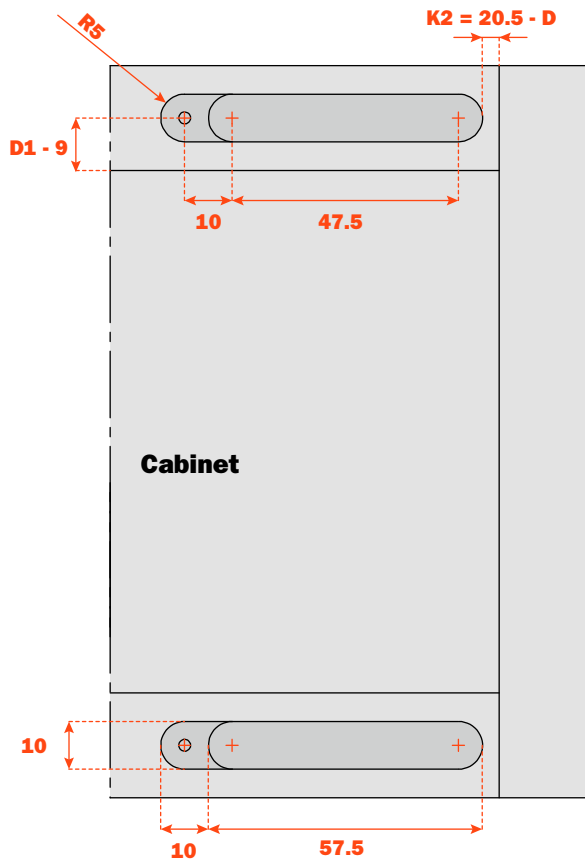


- D** = side overlay
- D1** = top overlay
- K1** = drilling distance for the door
- K2** = drilling distance for the top & bottom panel
- Y** = min distance
- X** = Drilling distance from the top or bottom of the panels

Drilling specifications

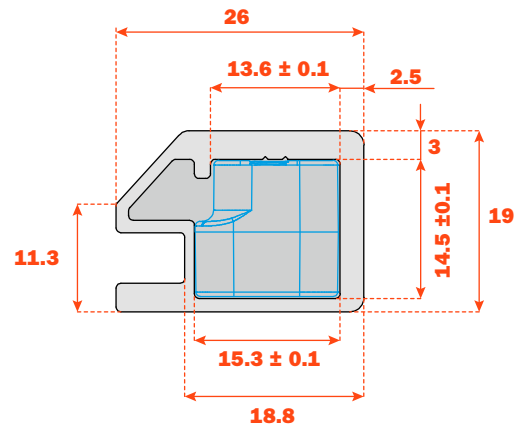
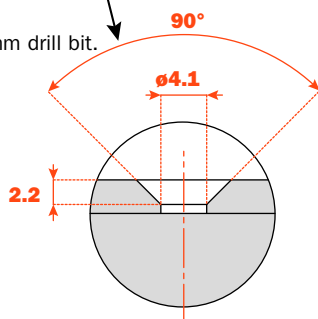
Top and bottom panel.

Milling for aluminum frame doors.

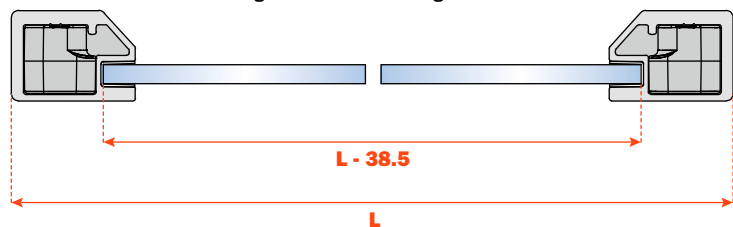


Install #8 x 1" wood screw/Pozi drive

Note:
Pre-drill holes with $\varnothing 2\text{mm}$ drill bit.



Glass thickness:
4 mm with gasket - 5 mm without gasket



K1 = Drilling distance for door	3	3.5	4*	4.5	5	5.5	6
K2 = top/bottom drilling distance							
0	19.5	20	20.5	21	21.5	22	22.5
0.5	19	19.5	20	20.5	21	21.5	22
1	18.5	19	19.5	20	20.5	21	21.5
1.5	18	18.5	19	19.5	20	20.5	21
2	17.5	18	18.5	19	19.5	20	20.5
2.5	17	17.5	18	18.5	19	19.5	20
3	16.5	17	17.5	18	18.5	19	19.5
3.5	16	16.5	17	17.5	18	18.5	19
4	15.5	16	16.5	17	17.5	18	18.5
4.5	15	15.5	16	16.5	17	17.5	18
5	14.5	15	15.5	16	16.5	17	17.5
5.5	14	14.5	15	15.5	16	16.5	17
6	13.5	14	14.5	15	15.5	16	16.5
6.5	13	13.5	14	14.5	15	15.5	16
7	12.5	13	13.5	14	14.5	15	15.5
7.5	12	12.5	13	13.5	14	14.5	15
8	11.5	12	12.5	13	13.5	14	14.5
8.5	11	11.5	12	12.5	13	13.5	14
9	10.5	11	11.5	12	12.5	13	13.5
	OVERLAY						

See page #4 for minimum reveal/space needed to open the door.

* 4mm drilling distance on aluminum frame doors. Max overlay is 20.5mm overlay with a K2 of 0mm.

Wood Doors:

1. Select the overlay desired in the white section of the chart.
2. Follow the column to the top (K1) and then follow the row to the left (K2) to determine drilling distance for the door and the top & bottom panel.

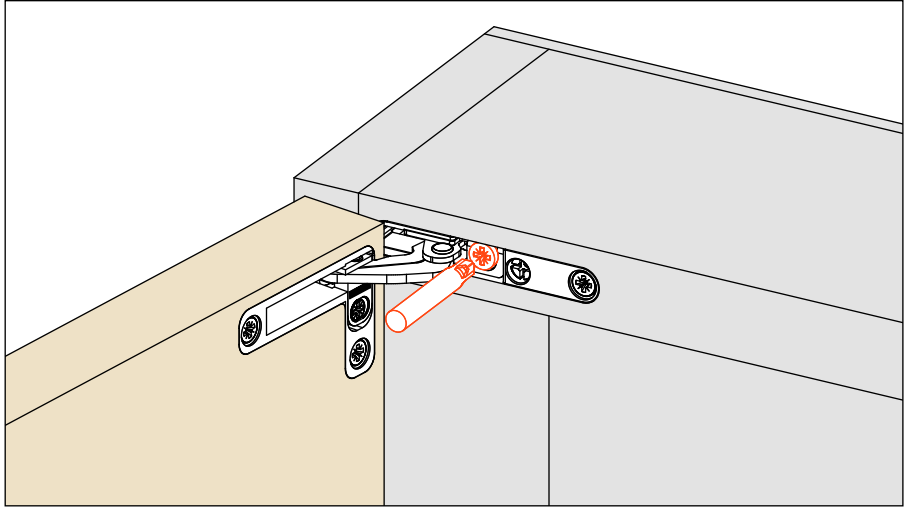
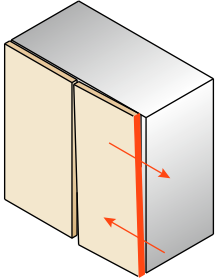
NOTE: It is recommended to choose the overlay that allows the largest drilling distance for the door and panels.
Example: 17.5mm overlay, drill door at K1 of 6mm and K2 at 5mm.

Aluminum Doors:

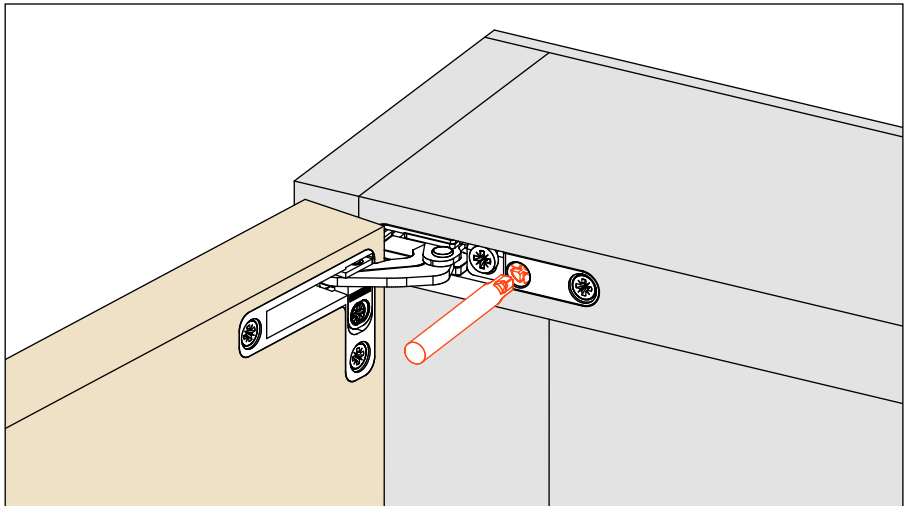
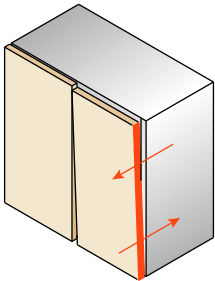
1. Select the overlay desired in the white section of the chart using the K1 column of 4mm.
2. Follow the column to the top (K1) and then follow the row to the left (K2) to determine drilling distance for the door and the top & bottom panel.

Example: 17.5mm overlay, drill door at K1 of 4mm and K2 at 3mm.

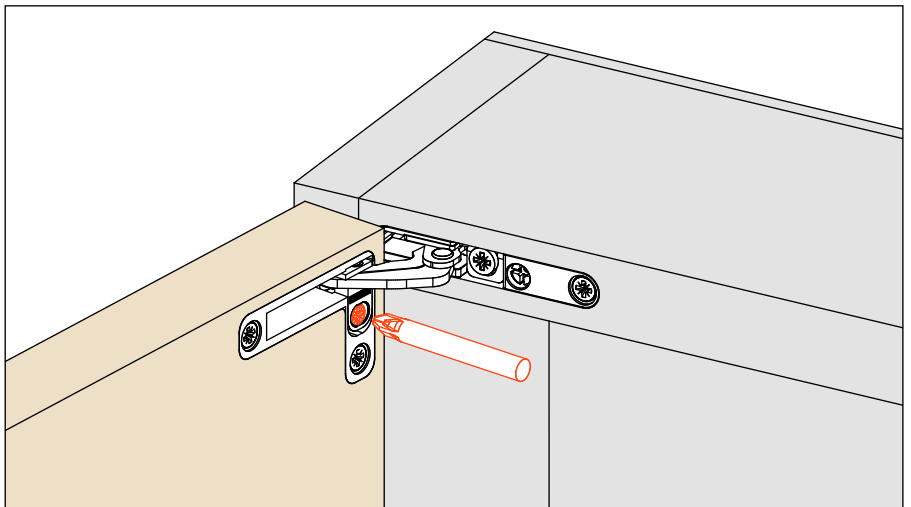
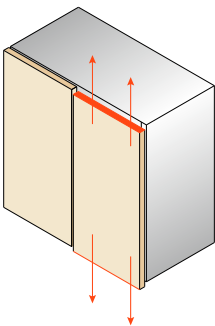
Side adjustment range +2 to -2



Depth adjustment range +2 to -0.5



Height adjustment range +1.5 to -1.5



Note: Always use a #2 Pozzi screw driver for adjustments.

Magnetic Push



Magnetic Push - Release device and retaining catches

DPMSNB - beige



DPMSNG - grey



Release device.
ø 10 mm, 40 mm length.

Packing

Box 250 pieces
Carton 1.500 pieces

DPASNB - beige



DPASNG - grey

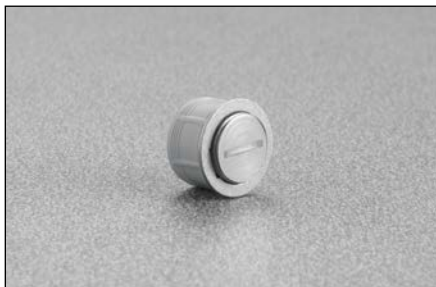


Magnetic device to be used to increase the magnetic holding strength. It must always be used together with the DPM. The suggested position of the DPM is the point of pressure on the door. The DPA can be positioned at any point along the opening edge of the door. ø 10 mm, 40 mm length.

Packing

Box 250 pieces
Carton 1.500 pieces

DP39XXG



Adjustable magnetic catch.
Inserted into the door.
ø 15 mm

Packing

Box 250 pieces

DP28SN9



Retaining catch to be inserted with pin.
ø 11.5 mm surface.

Packing

Box 250 pieces

DP38XX91



Retaining catch with adhesive.
20x14 mm surface.

Packing

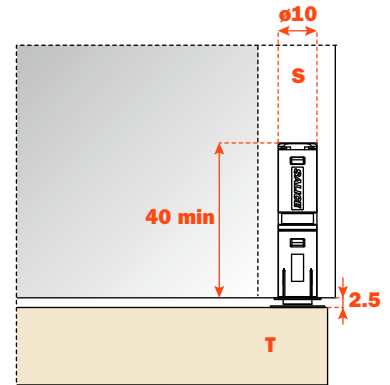
Box 250 pieces

Release device application

Release/Magnetic device to be inserted

Drill a hole \varnothing 10 mm and min. 40 mm depth in the top, the side or the bottom panel of the cabinet.

Insert the release device into the hole.

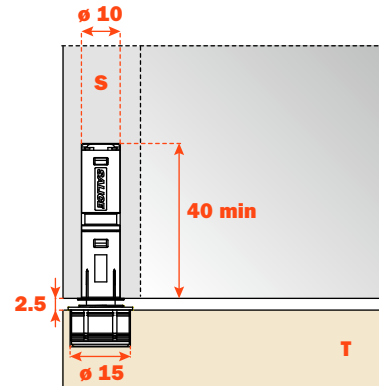


Adjustable magnetic catch

The adjustable catch DP39 is itself magnetic and together with the magnetism of the release device DPM considerably increases the holding strength (30%) of the door against the cabinet side, thus avoiding accidental opening.

For the installation it is necessary to drill a hole \varnothing 15 mm and 11 mm depth in the door.

Depth adjustment from +2.5mm / - 0.5mm



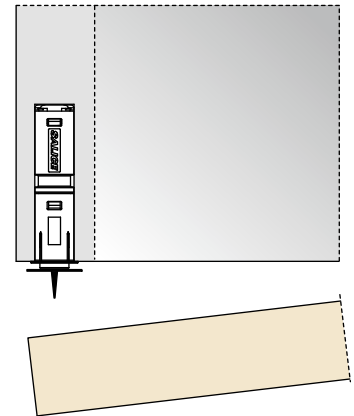
Retaining catch to be inserted

Apply the retaining catch to the magnetic release device.

Close the door.

The point of the retaining catch will show where to insert it.

Reopen the door and press the retaining catch.



Retaining catch with adhesive strip

Apply the retaining catch to the magnetic release device. Remove the protective strip from the adhesive. Close the door and the retaining catch is positioned on the door.

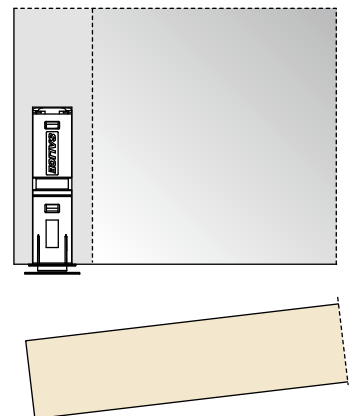
Reopen the door and apply a firm pressure to the retaining catch to ensure a correct installation.

ATTENTION:

For a correct application and to ensure optimal endurance, we suggest these guidelines are followed:

- 1 - clean and degrease the door surface where the retaining catch is to be installed;
- 2 - remove the protective strip from the adhesive;
- 3 - place the retaining catch in position, in a place that is at room temperature $\geq 10^{\circ}$ (50°F) and apply a firm pressure for 10-15 seconds.

After few seconds from the installation the retaining catch is suitable for the use. After 24h the max. hold is attained.



SALICE AMERICA INC.

2123 CROWN CENTRE DRIVE
CHARLOTTE NC. 28227
TEL. 1-800-222-9652
704 8417810
FAX 704 8417808
info.salice@saliceamerica.com
www.saliceamerica.com