Air

SALICE

USA

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.

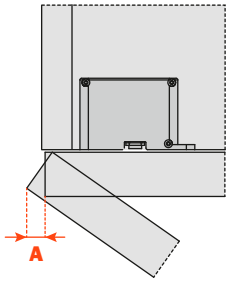
Air is the new fusion of technology and aesthetics.

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

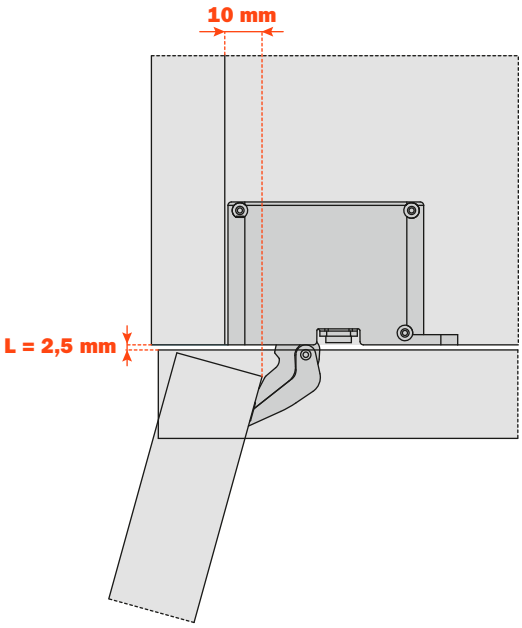


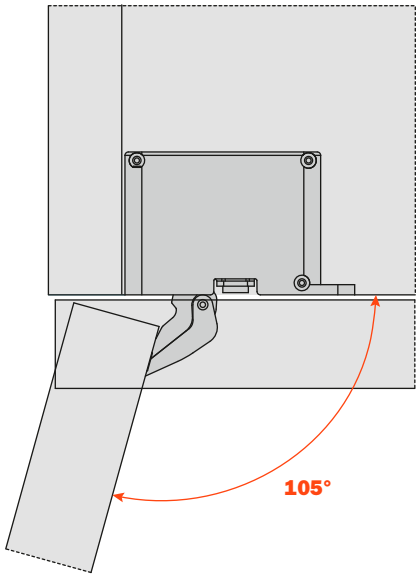
	T=	18	20	22	24	26	28	30	32
K=3	**A=**	0	0.2	0.5	0.8	2.3	4.9	7.5	10.0
K=4	**A=**	0	0.2	0.4	0.8	1.3	3.9	6.5	9.0
K=5	**A=**	0	0.2	0.4	0.8	1.3	2.9	5.5	8.0
K=6	**A=**	0	0.2	0.4	0.8	1.2	1.9	4.5	7.0

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

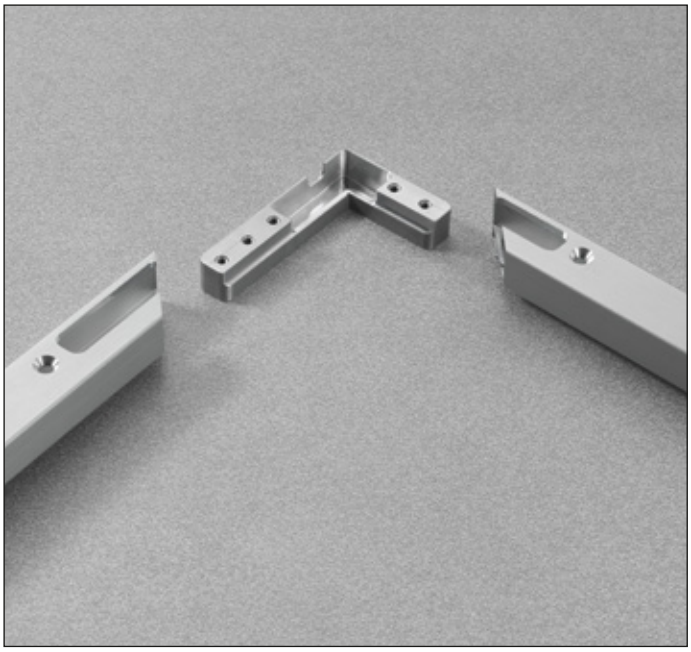
Protrusion of the door from the cabinet side at the max. opening.
The figures are based on K value = 3 mm (1/8”) and door overlay = 19.5 mm (3/4”).

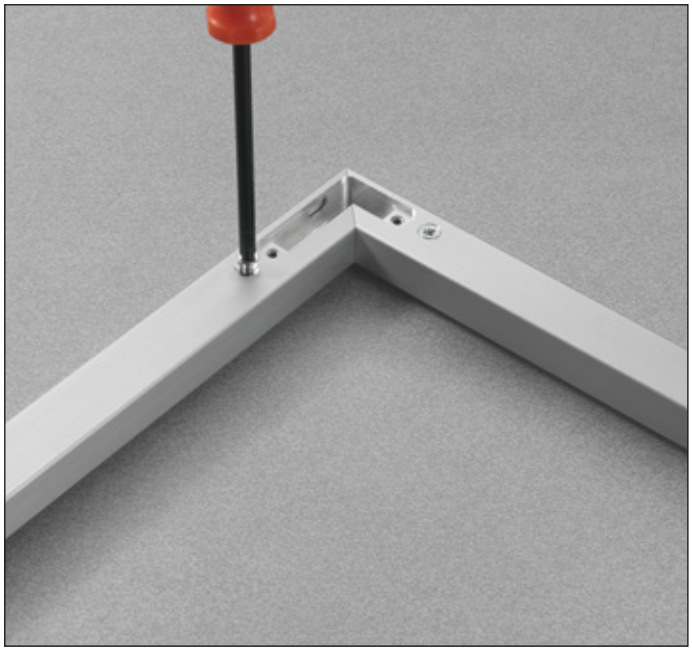


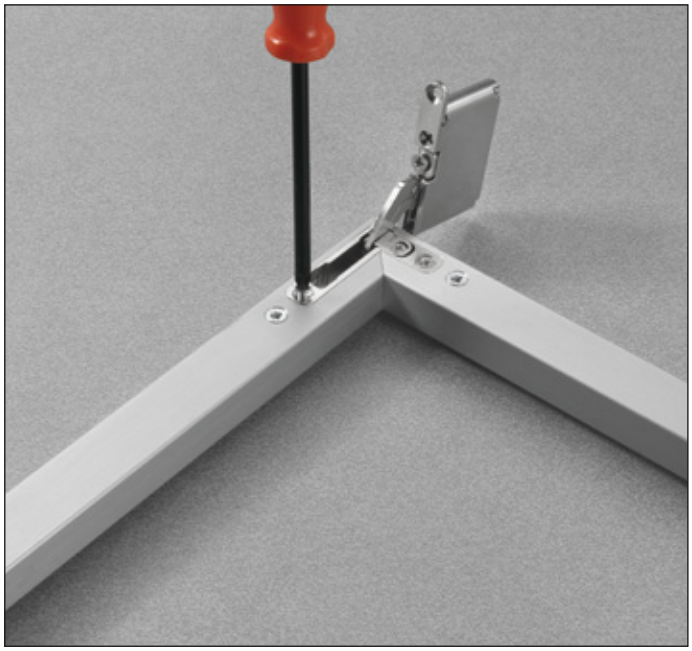


Aluminum frame assembly

Assemble with the Nickel or Titanium machine screws provided in the sets.







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

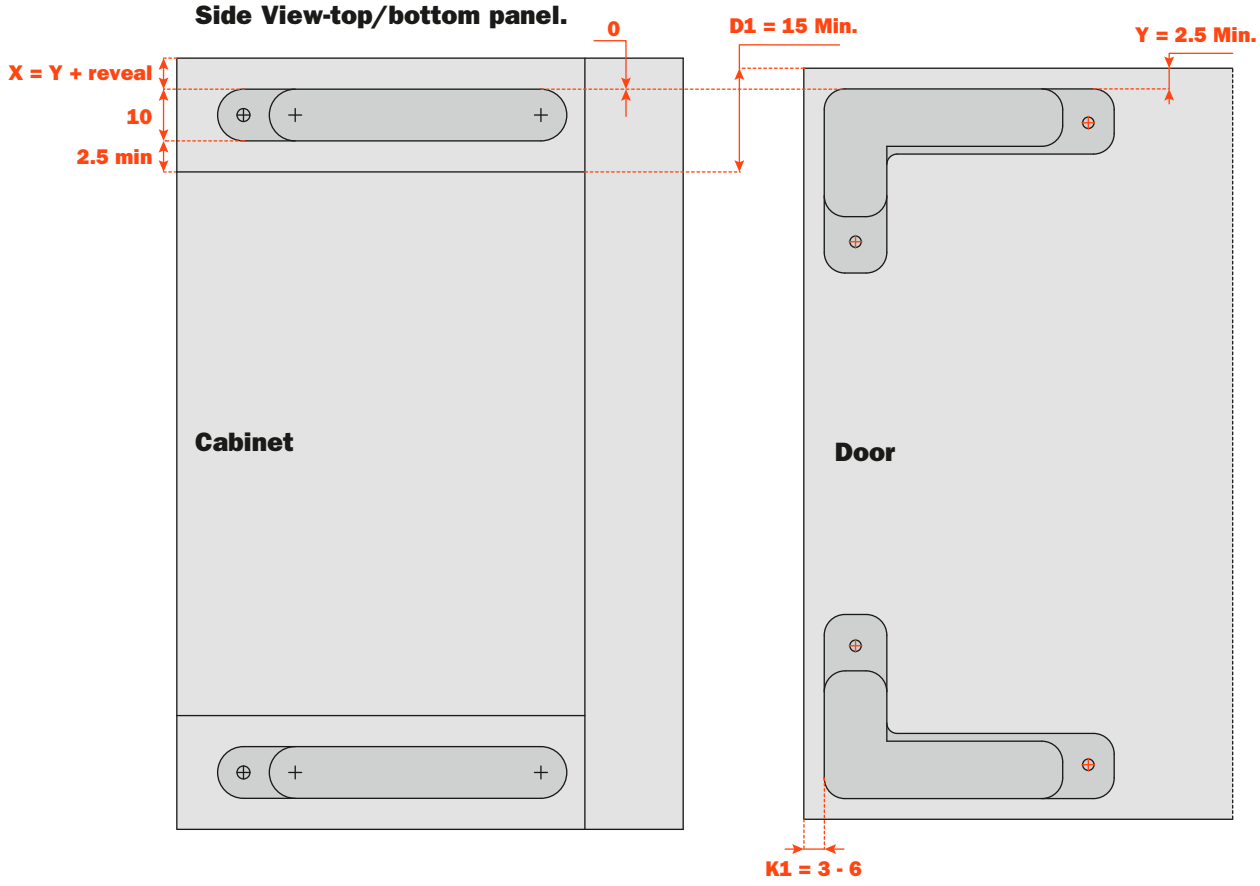
For a left hand opening door, use a **CEL_D** on the top and **CEL_S** on the bottom.

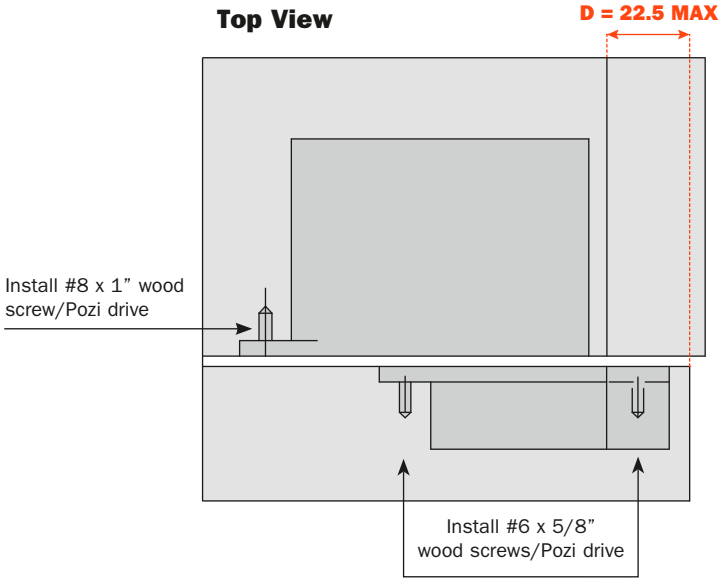
For a right hand opening door, use a **CEL_D** on the bottom and a **CEL_S** on the top.

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

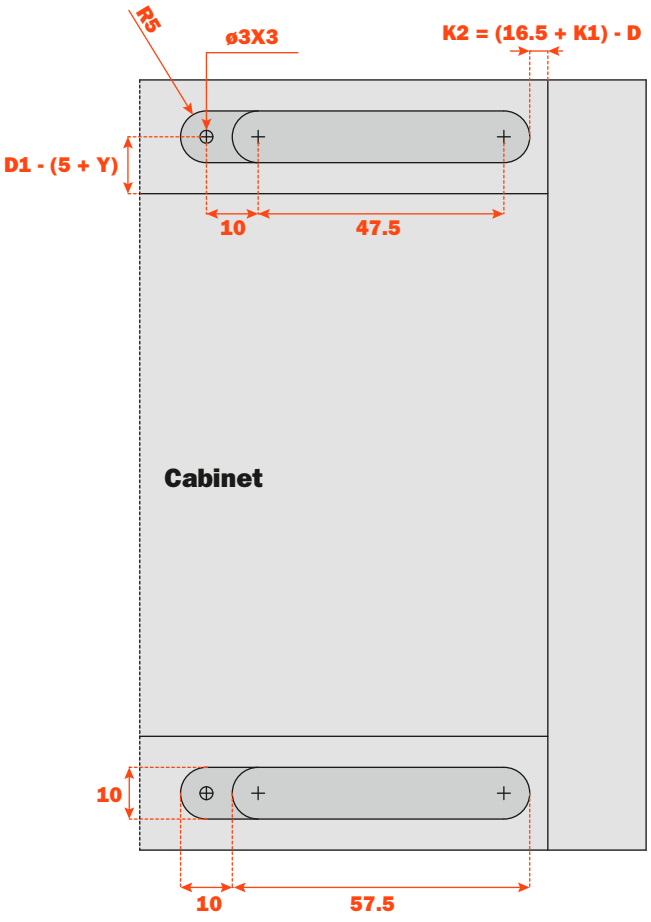


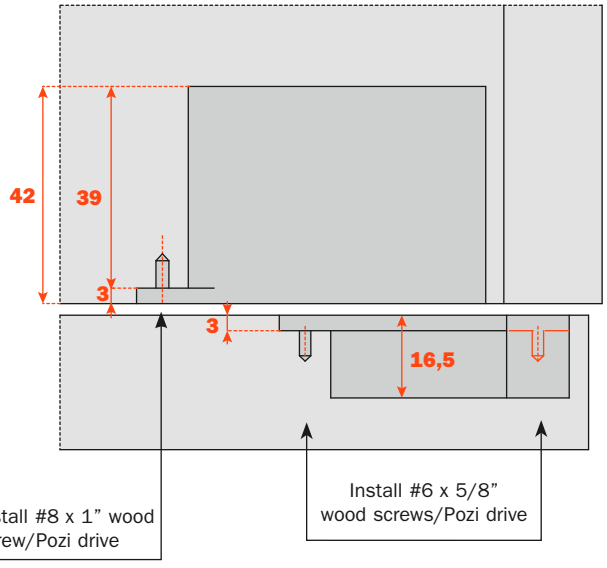


D = side overlay
D1 = top overlay
K1 = drilling distance for the door
K2 = drilling distance for the top & bottom panel
Y = min distance
X = Drilling distance from the top or bottom of the panels

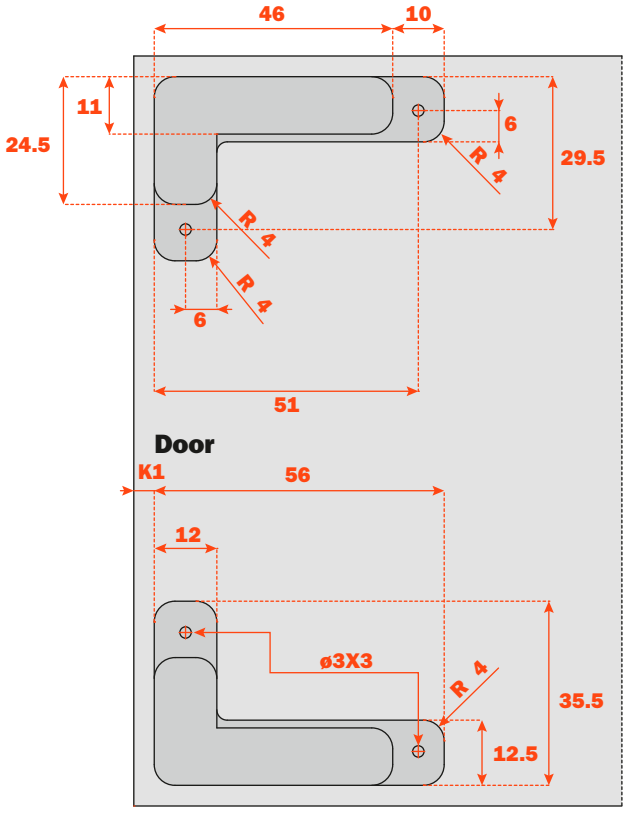
Top and bottom panel.

For the formula calculation
see page #12





Door drilling.

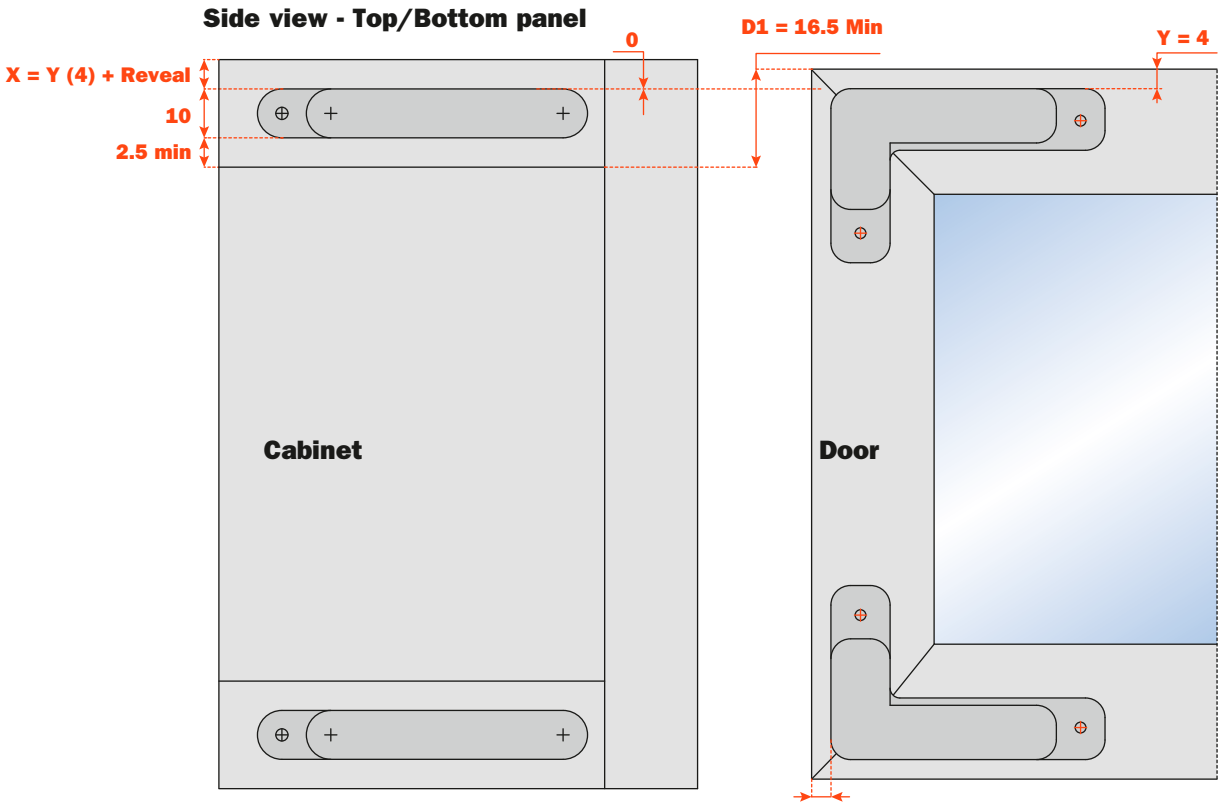


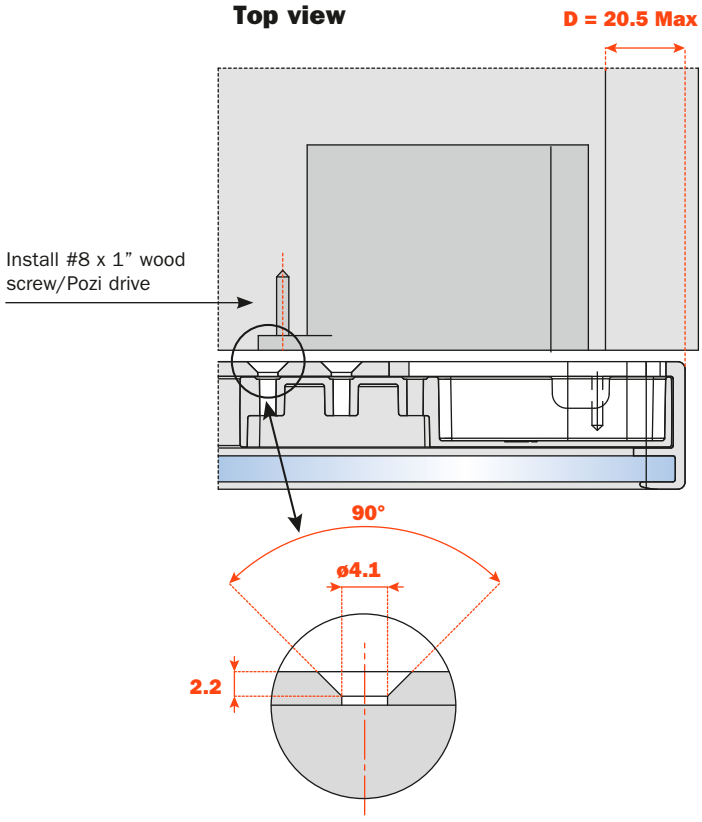
D = side overlay
D1 = top overlay
K1 = drilling distance for the door
K2 = drilling distance for the top & bottom panel
Y = min distance
X = Drilling distance from the top or bottom of the panels

Note: Pre-drill holes with ø2mm drill bit.

Overlay specifications

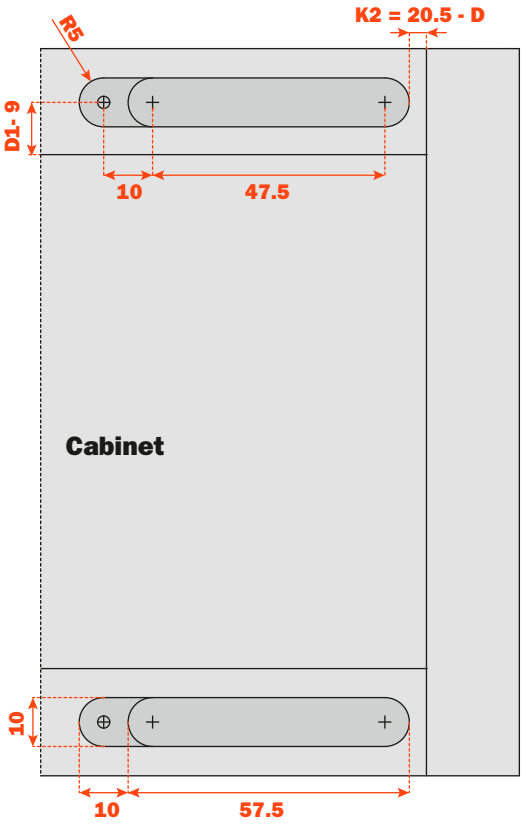
Specs for the frame DEL6LP300_ and use of the corner connectors DEL6BSFV02.



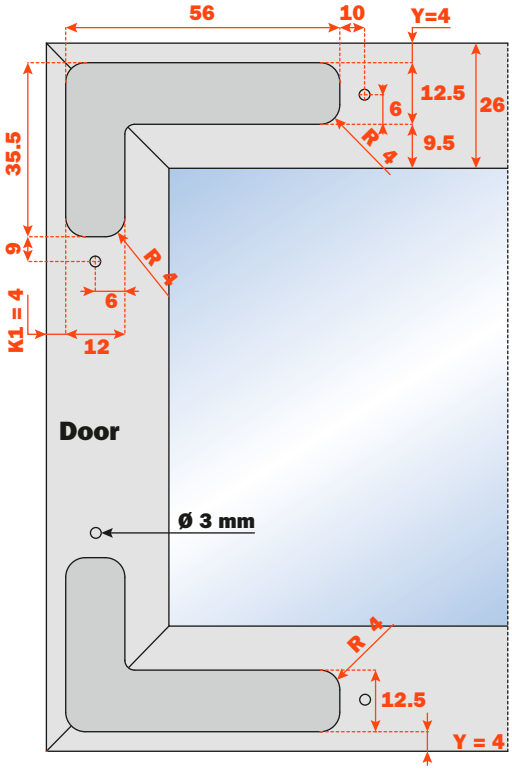


D = side overlay
D1 = top overlay
K1 = drilling distance for the door
K2 = drilling distance for the top & bottom panel
Y = min distance
X = Drilling distance from the top or bottom of the panels

Top and bottom panel.

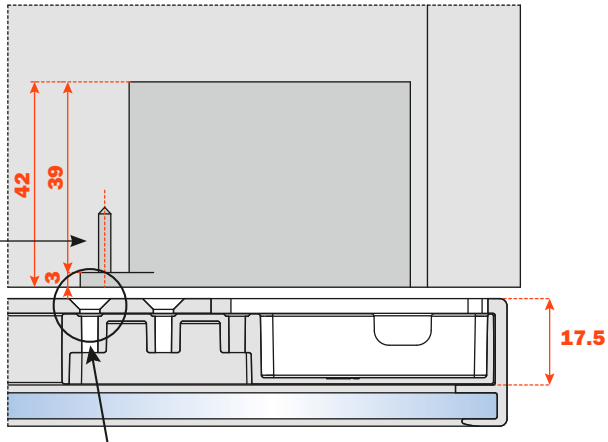


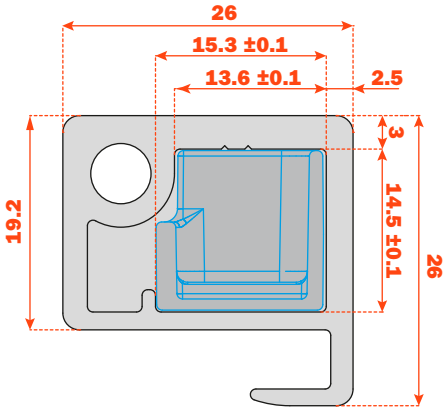
Milling for aluminum frame doors.

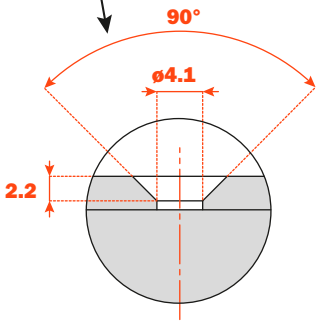


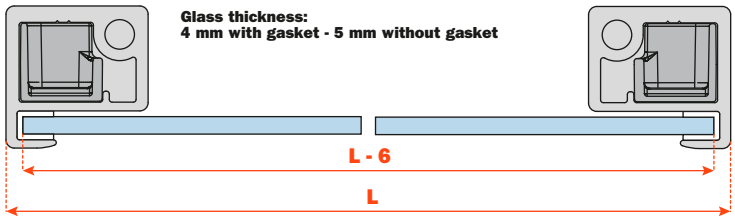
Install #8 x 1" wood screw/Pozi drive

Note: Pre-drill holes with ø2mm drill bit.



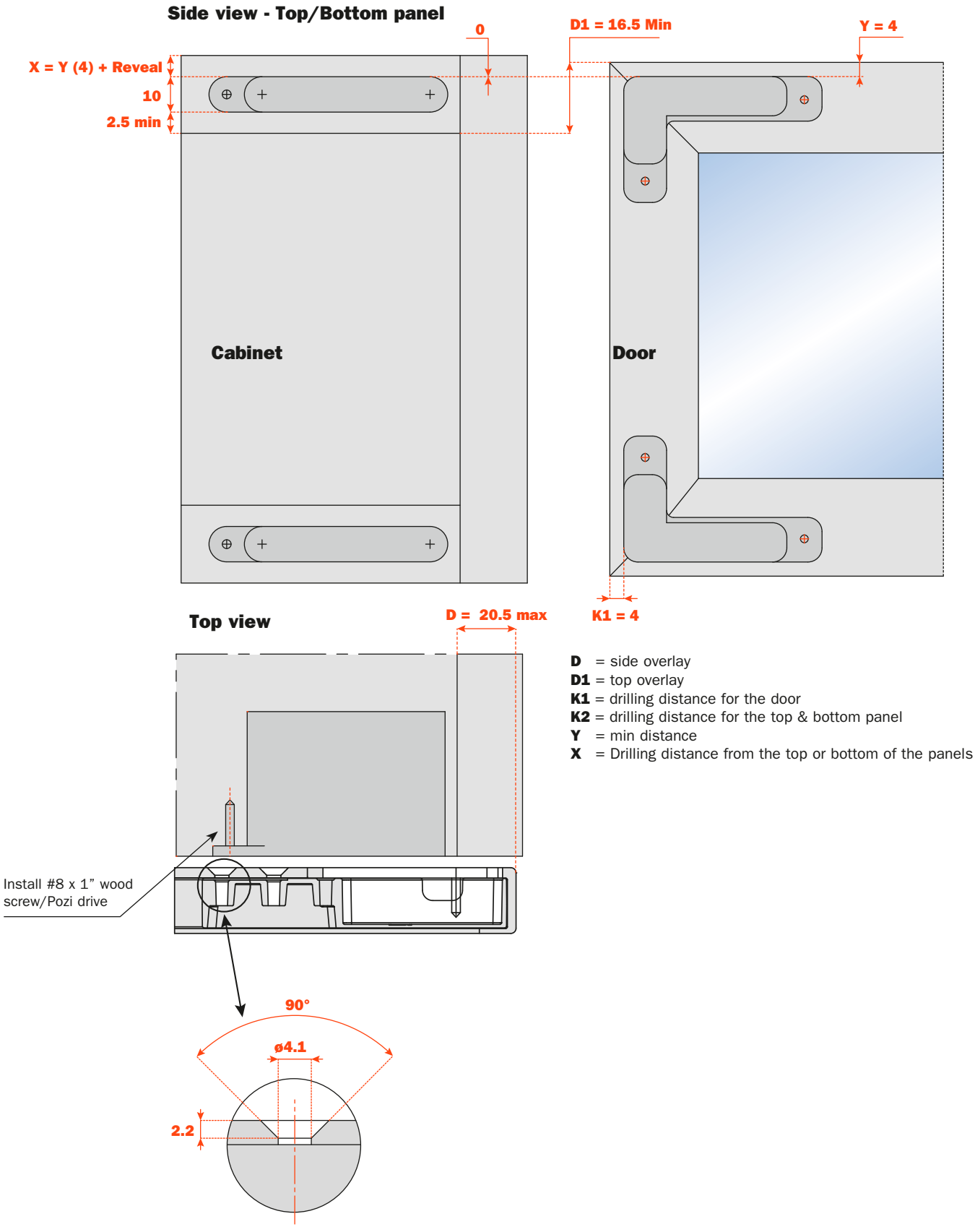






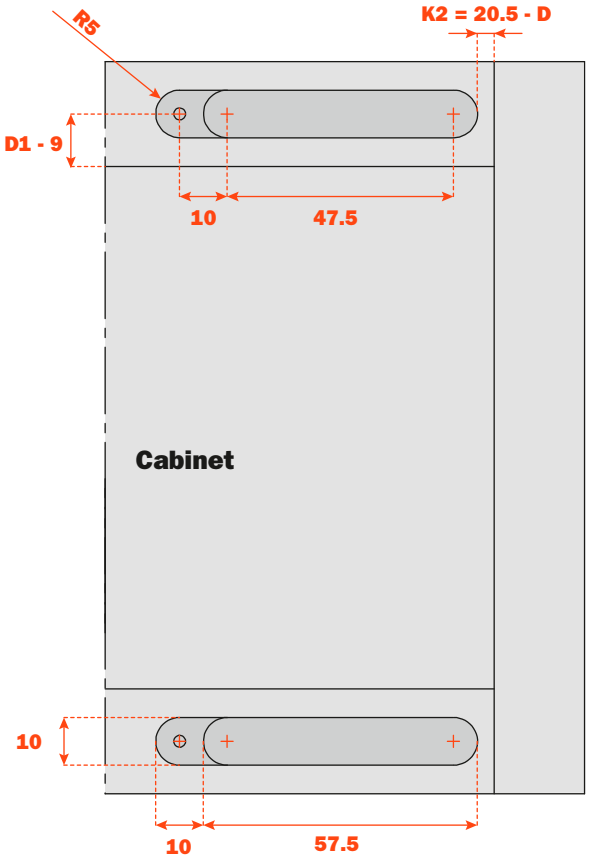
Overlay specifications

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

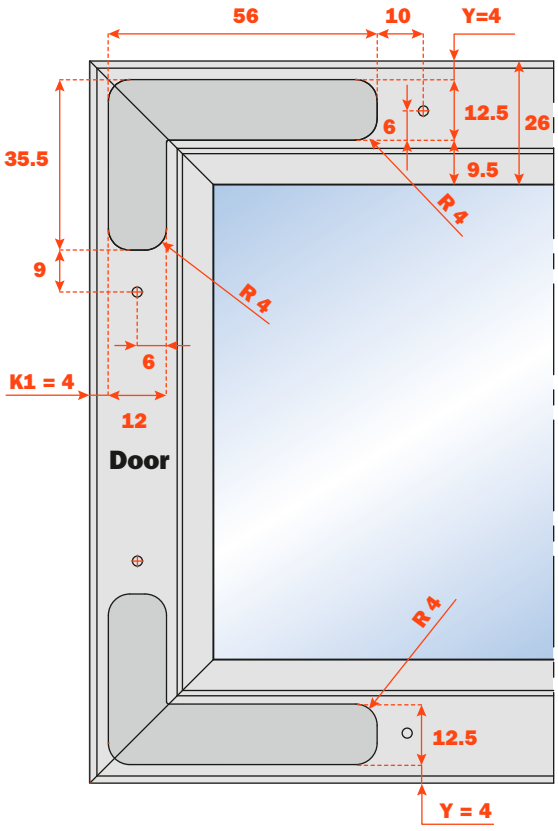


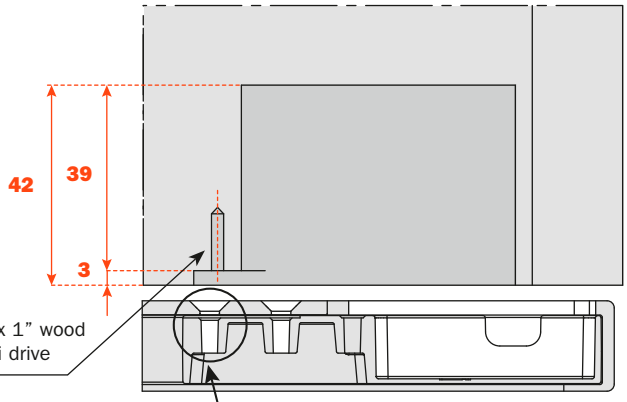
D = side overlay
D1 = top overlay
K1 = drilling distance for the door
K2 = drilling distance for the top & bottom panel
Y = min distance
X = Drilling distance from the top or bottom of the panels

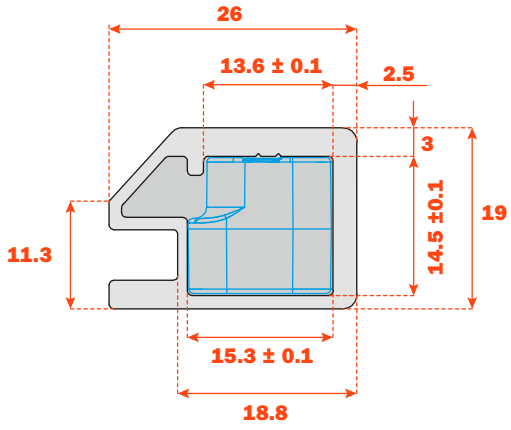
Top and bottom panel.



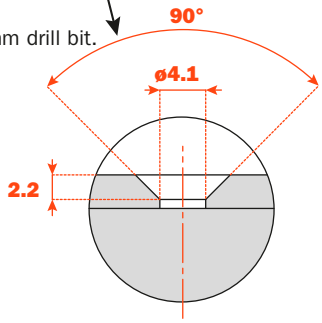
Milling for aluminum frame doors.



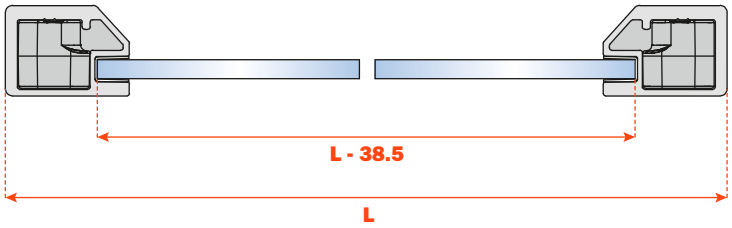




Note:
Pre-drill holes with ø2mm drill bit.



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



Air - chart

K1 = Drilling distance for door **K2** = top/bottom drilling distance	**3**	**3.5**	**4***	**4.5**	**5**	**5.5**	**6**
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	16	17.5	17	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	14.5	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.

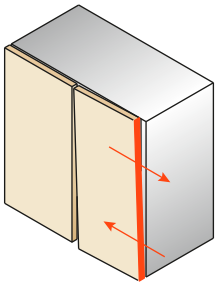
Wood Doors:
1. Select the overlay desired in the white section of the chart.
2. Follow the column to the top (K1) and then follow the row to the left (K2) to determine drilling distance for the door and the top & bottom panel.

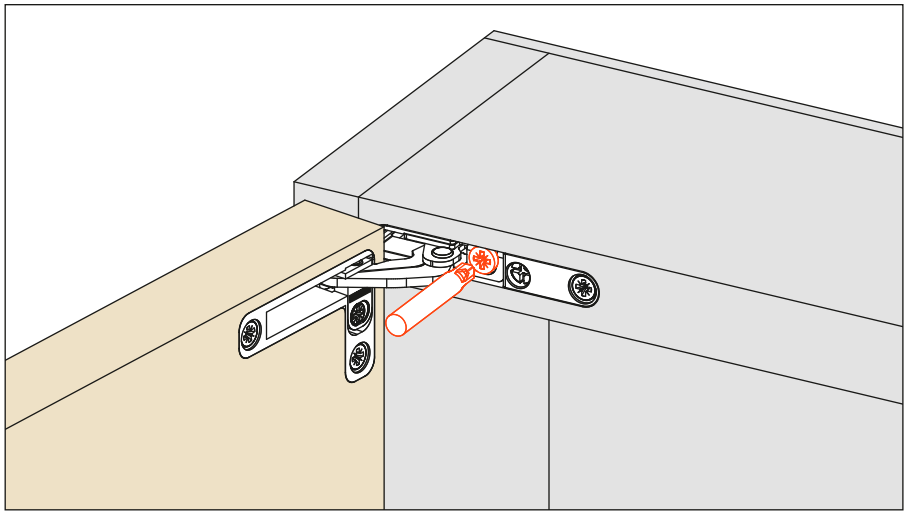
NOTE: It is recommended to choose the overlay that allows the largest drilling distance for the door and panels.
Example: 17.5mm overlay, drill door at K1 of 6mm and K2 at 5mm.

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.

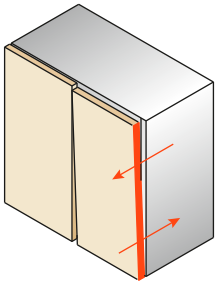
Example: 17.5mm overlay, drill door at K1 of 4mm and K2 at 3mm.

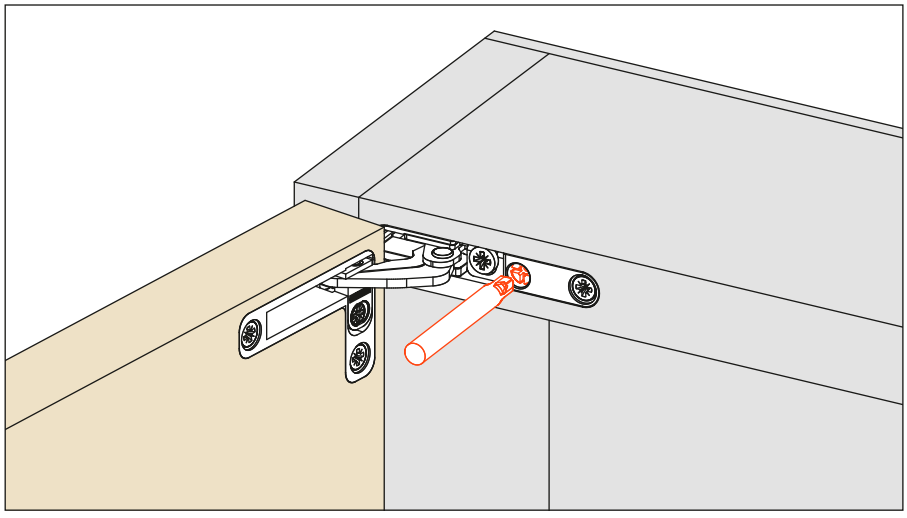
Side adjustment range +2 to -2



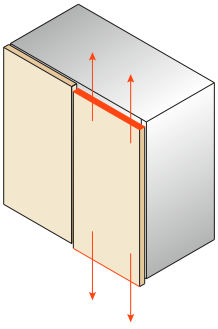


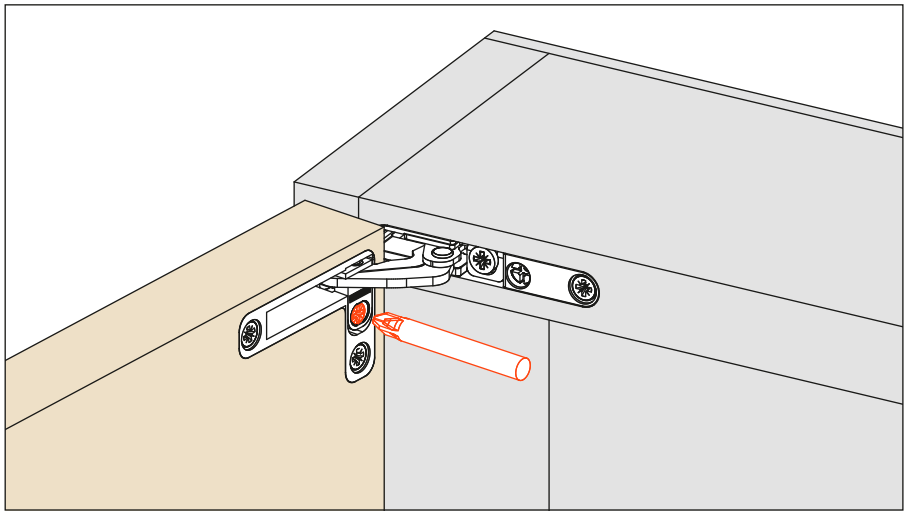
Depth adjustment range +2 to -0.5





Height adjustment range +1.5 to -1.5





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