Hinges & Door Systems
Salice Hinges

Application with full overlay door

Abbreviations

S = Thickness of the cabinet side

D = Required door overlay

T = Door thickness

K = Drilling distance

A = Reveal

L = Gap between door and carcass

For inset door, L = gap between internal face of door and internal cabinet elements (eg shelves, drawers etc)
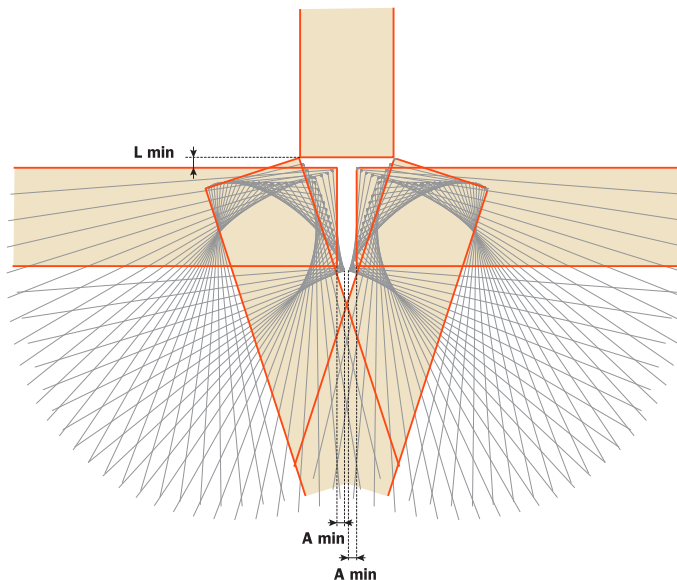
H = Height of the mounting plate

G = Hinge constant
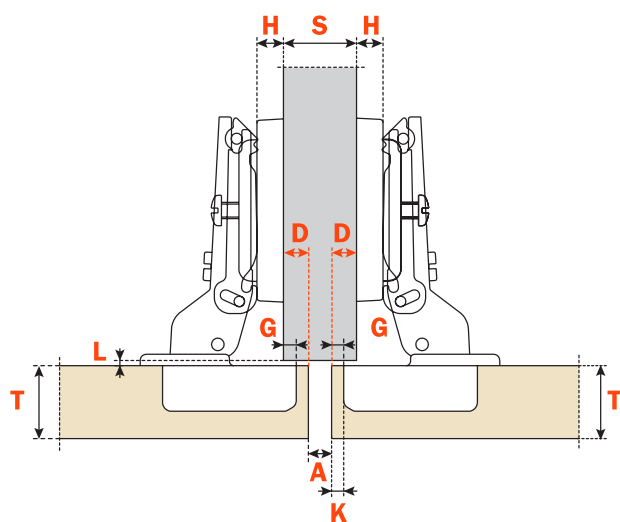
Application with half overlay door
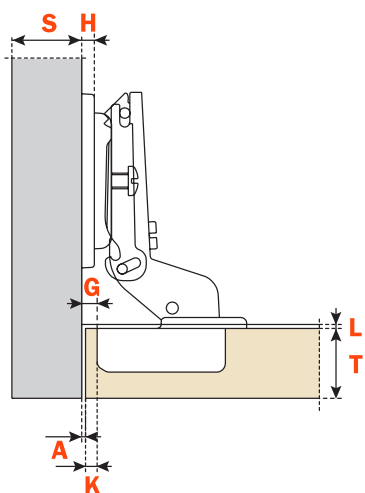
Application with inset door

Explanatory Notes and Assembly Instructions

Simulation of the opening movement of a 110°
hinge with full overlay door
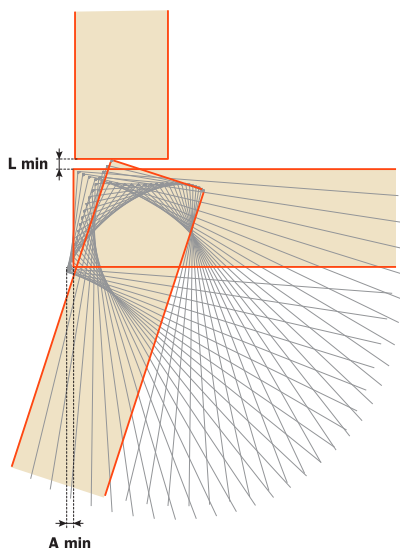
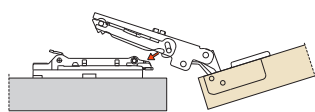Simulation of the opening movement of a 110°
hinge with half overlay door

L min
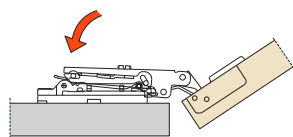
A min

L min

A min

A min
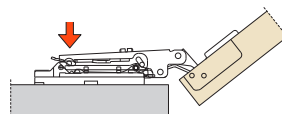
Assembly with Domi snap-on mounting plates

Locate the lugs on the
mounting plate into the
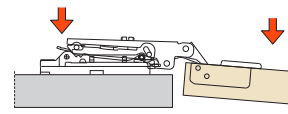recesses beneath
the arm.

Gently rotate the door in
the direction shown.

Then press lightly on the
end of the arm to secure
the catch.

To remove the hinge from
the mounting plate, press
gently in the places shown
by the arrows.

SALICE

Sideways adjustment of the door

A unique solution allows for sideways adjustment of the door while maintaining the gap behind the door ("L" value of 0.7 mm). The adjustment screw operates in conjunction with the inner leaf of the hinge arm. The door moves in only one direction - parallel to the carcass and without a gap developing between the door and the carcass. No further adjustments are necessary.
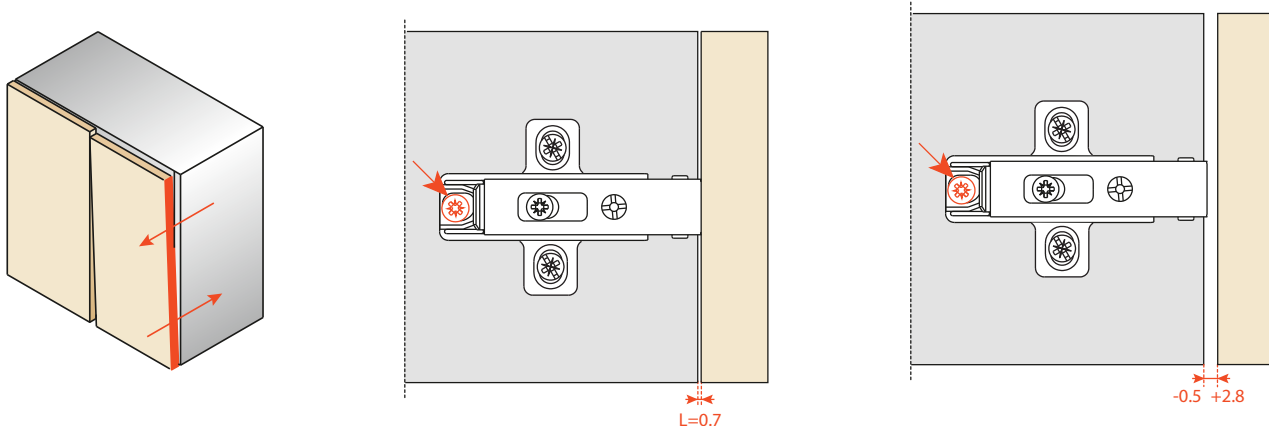
L=0.7   L=0.7

-1.5 + 4.5
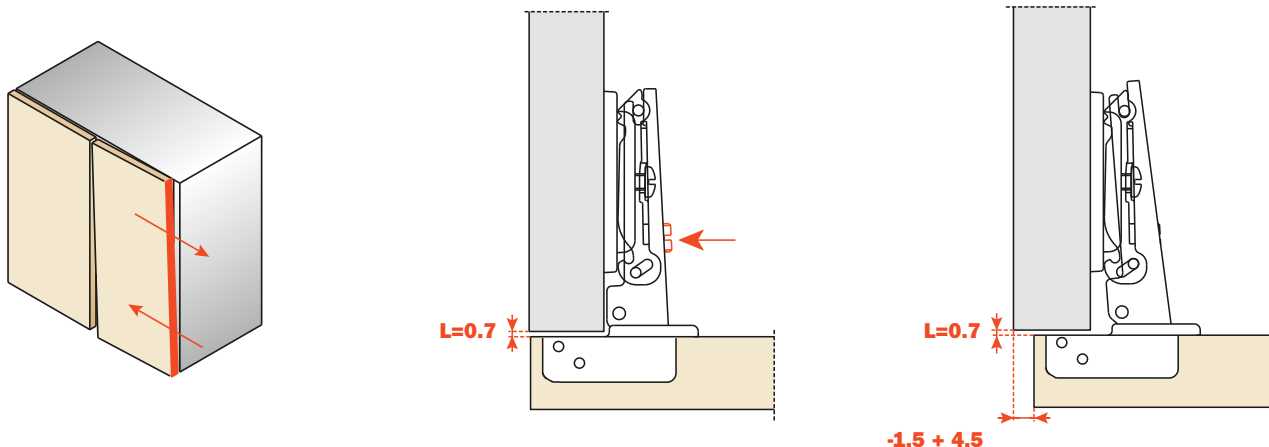
Depth adjustment with Domi snap-on mounting plates - Standard Plates

Depth adjustment is made without loosening any screws. The door can be moved in & out from -0.5 mm to +2.8 mm simply by rotating the cam adjuster in this range of mounting plates.
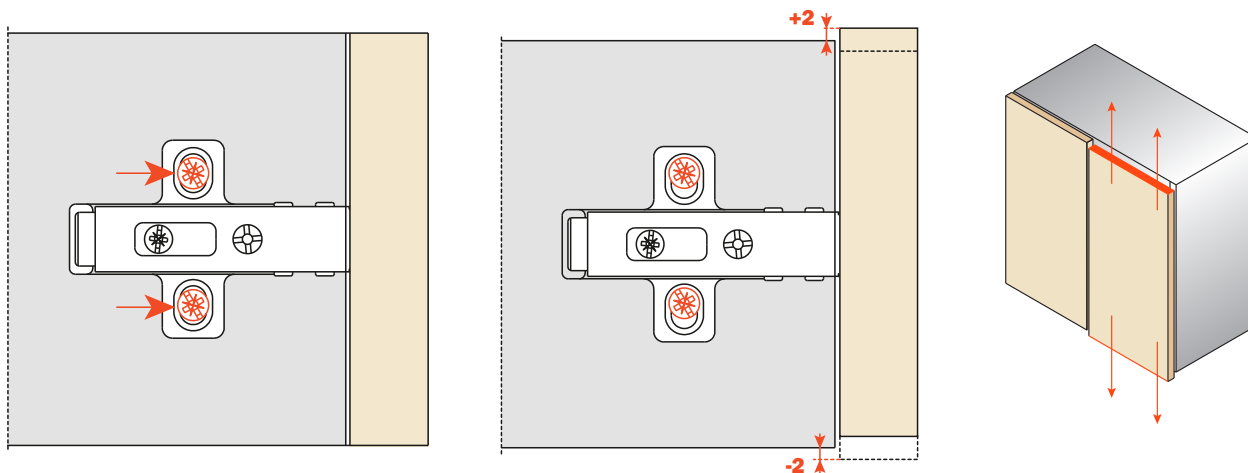
-0.5 +2.8
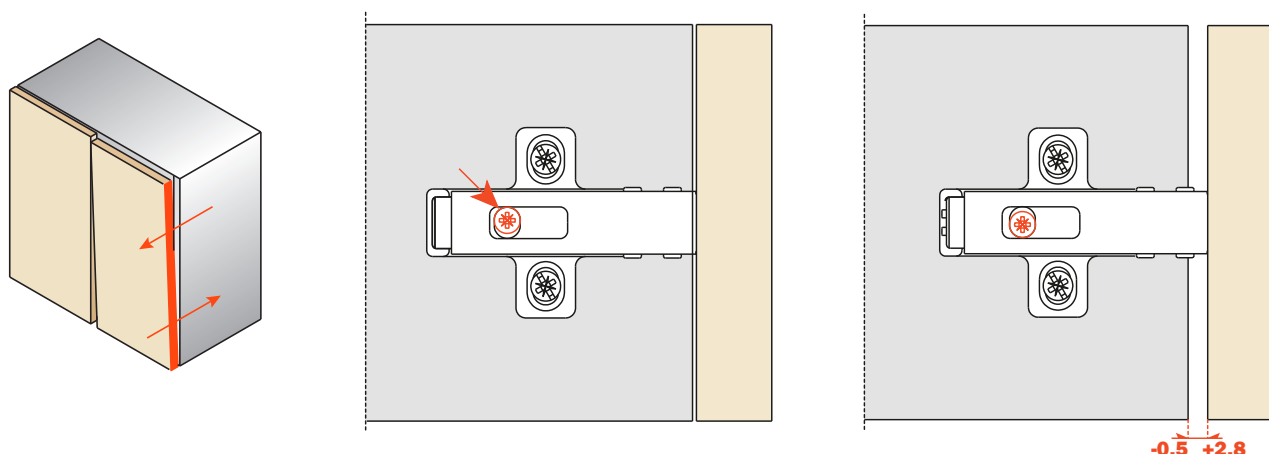
Depth adjustment with Domi snap-on mounting plates - Cam Adjust Plates

Depth adjustment is made without loosening any screws. The door can be moved in & out from -0.5 mm to +2.8 mm simply by rotating the cam adjuster in this range of mounting plates.

L=0.7

-0.5 +2.8

Height adjustment with Domi snap-on mounting plates - Standard Plates

By loosening the two fixing screws it is possible to adjust the door vertically by ±2 mm. The oval holes allow the mounting plate to slide freely in both directions. Once the door is correctly adjusted, the screws must be retightened.

Height adjustment with Domi snap-on mounting plates – Cam Adjust Plates

Height adjustment is made without loosening any screws. The door can be moved vertically by ±2 mm simply by rotating the cam adjuster in this range of mounting plates.
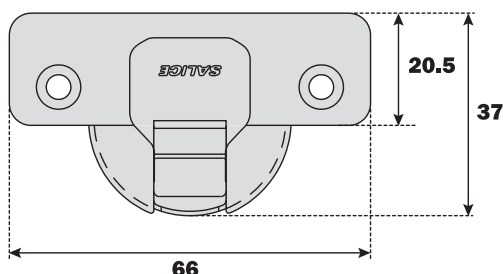

SALICE
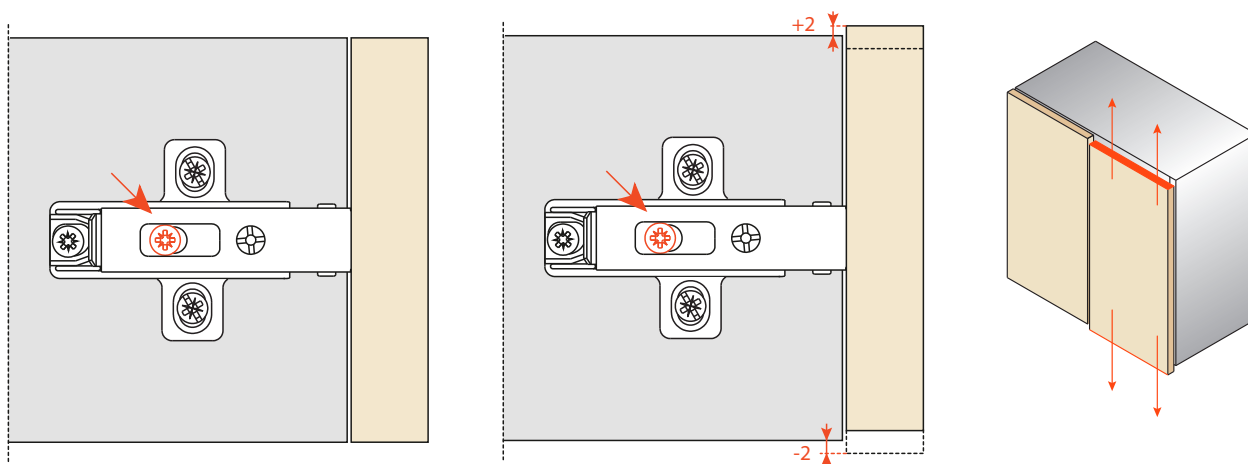
Silentia Hinges
Soft Close Hinges

Technical Information

- Hinges with integrated soft-close mechanism in the hinge cup. The soft close strength is easily adjusted with a switch on the hinge. This provides adaptability between standard & lighter weight doors.
- 105° opening angle
- Possible drilling distance on the door (K): from 3 to 6mm
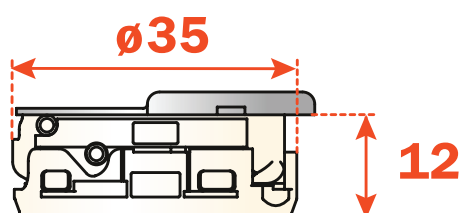- Compatible with all Domi snap-on mounting plates

Number of hinges per door

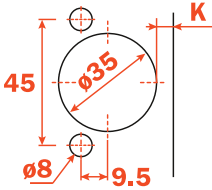Approx. number of hinges required according to the door dimension and weight.

Height of the door

Width of the door   Weight of the door (N)
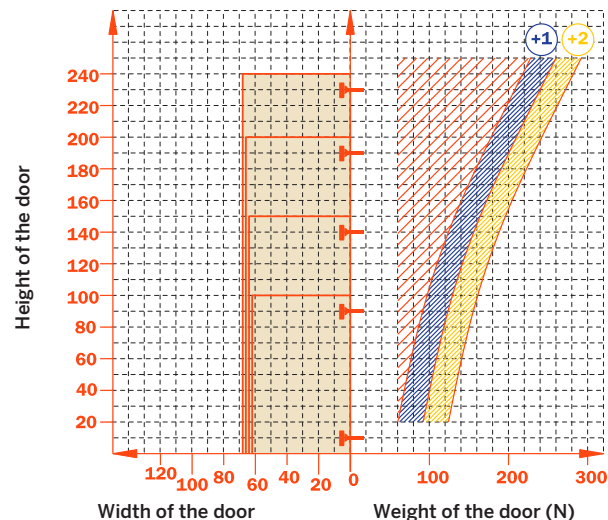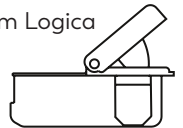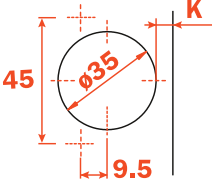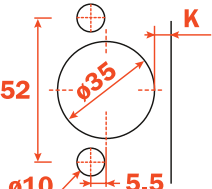
Adjustment

Compensated side adjustment from -1.5 mm to +4.5 mm.
Height adjustment ±2 mm.
Depth adjustment with Domi snap-on mounting plates from -0.5 mm to +2.8 mm.

Attention:
It is essential to drill the door as specified for the perfect functioning of the hinge.

Fixing Type	Drilling Pattern
45mm Rapido	
45mm Knock-in	K, 45, ø35, ø8, 9.5
45mm Logica	
45mm Screw Fix	K, 45, ø35, 9.5
52mm Knock-in	K, 52, ø35, ø10, 5.5
52mm Rapido	

Silentia +

Space needed to open the door
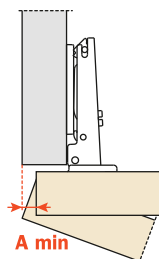
	T=	15	16	17	18	19	20
K=3	A=	1.0	1.0	1.2	1.4	1.6	1.9
K=4	A=	0.9	1.0	1.2	1.3	1.5	1.8
K=5	A=	0.9	1.0	1.1	1.2	1.5	1.8
K=6	A=	0.9	1.0	1.1	1.2	1.4	1.7
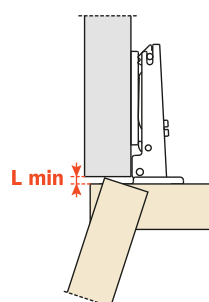
	T=	15	16	17	18	19	20
K=3	L=	0.0	0.0	0.0	0.0	0.1	0.3
K=4	L=	0.4	0.6	0.7	0.9	1.1	1.2
K=5	L=	1.0	1.0	1.2	1.8	2.0	2.0
K=6	L=	1.6	1.8	2.0	2.1	2.3	2.5

The above values are calculated on the assumption that the doors have square edges.

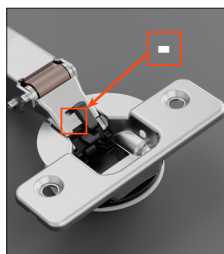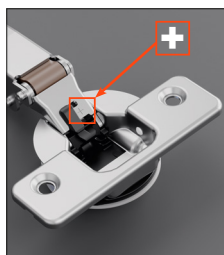They are reduced if the doors have radiused edges

Projection of the door

Projection of the door from the cabinet side at the max. opening.
The figures are based on a straight arm hinge, H=0 mm thickness of mounting plate and K value = 3 mm.

"C" value

With this formula you can obtain the max. thickness of the moulded door that can be opened without touching adjacent carcase sides, doors or walls, whilst bearing in mind the above L-K-T values.

$$C = 20.5 + K + A$$

ø35
13.5

Silentia+

Arm 0
H = 15 + K - D

S   H
D
L
A
K   ø35
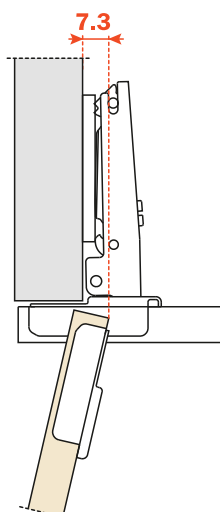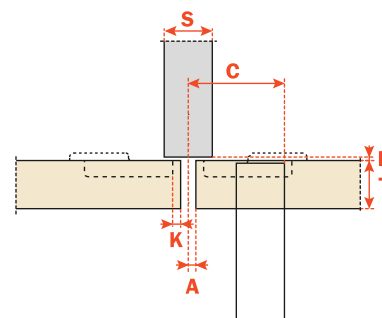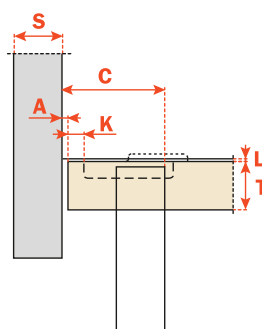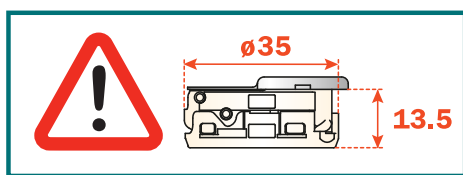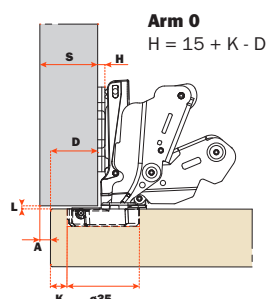
Silentia+ Series 700 - 155° 0mm Projection

- Made in Italy
- Integrated Soft Close
- 155° Opening angle
- 13.5mm Deep cup
- Drilling distance on the door (K): from 3 to 8mm
- Box Qty: 100pcs

Part No.	Description	
SAL.C27KAE9	45mm Rapido	
SAL.C2RKAE9	45mm Knock-in	
SAL.C2PKAE9	45mm Screw Fix	
SAL.C22KAE9	52mm Rapido	
SAL.C2JKAE9	45mm Logica	
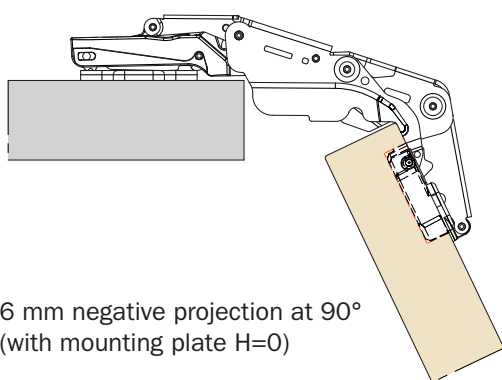
SOFT CLOSE

Projection of the door

6 mm negative projection at 90°
(with mounting plate H=0)

H=0
6

6 mm negative projection at 90°
(with mounting plate H=0)

ø35

15.5
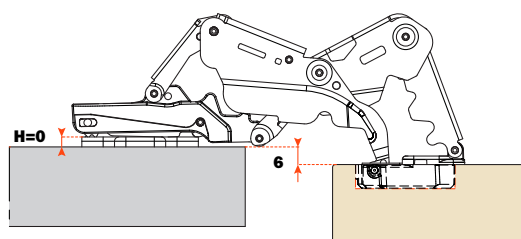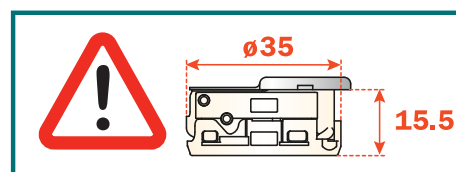
Silentia+ Series 200 Full Overlay 94° For Thick Doors - 19 mm to 35mm

- Made in Italy
- Integrated Soft Close
- 94° Opening angle
- 15.5mm Deep cup
- Drilling distance on the door (K): from 3 to 9mm
- Box Qty: 300pcs

Part No.	Description	
SAL.C27BAE9	45mm Rapido	
SAL.C2RBAE9	45mm Knock-in	
SAL.C2PBAE9	45mm Screw Fix	

SOFT CLOSE

Silentia+

S
H
D

H= 15 + K - **(D)**

L
T
A K

Space needed to open the door

A min

L min

	T=	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
K=3	A=	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.6	2.6	3.5	4.5	5.4	6.4	7.4	8.3	9.3
K=4	A=	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.2	1.9	2.8	3.8	4.7	5.7	6.6	7.6	8.6
K=5	A=	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.2	1.4	2.2	3.1	4.1	5.0	5.9	6.9	7.8
K=6	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.2	1.4	1.7	2.6	3.5	4.4	5.3	6.2	7.2
K=7	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.1	1.3	1.6	2.1	3.0	3.8	4.7	5.6	6.5
K=8	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.3	1.6	1.8	2.5	3.3	4.2	5.1	6.0
k=9	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.3	1.5	1.8	2.1	2.9	3.7	4.6	5.4

K	3	4	5	6	7	8	9
L=	0.0	0.0	0.0	0.0	0.0	0.3	1.3

The above values are calculated on the assumption that the doors have square edges.

They are reduced if the doors have radiused edges

Projection of the door

Projection of the door from the cabinet side at the max. opening.
The figures are based on a straight arm hinge, H=0 mm thickness of mounting plate and K value = 3 mm.

7.6

"C" value

With this formula you can obtain the max. thickness of the moulded door that can be opened without touching adjacent carcase sides, doors or walls, whilst bearing in mind the above L-K-T values.
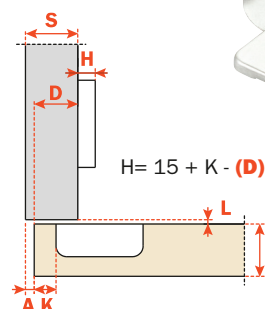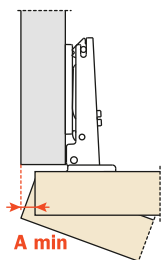
C = 23 + K + A

S
A
K
C
L
T

S
C
L
T
K
A

SALICE

Series 200 Hinges
Non-Soft Close 110° Hinges

Technical Information

- Non Soft Close hinges for all standard applications
- 11mm deep cup
- 110° opening angle
- Possible drilling distance on the door (K): from 3 to 6mm
- Compatible with all Domi snap-on mounting plates
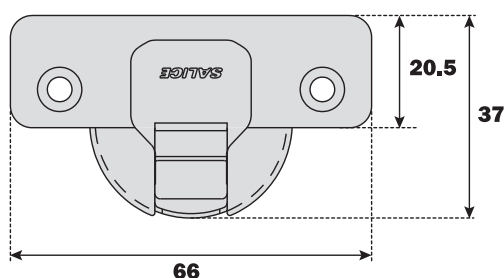
Number of hinges per door

Approx. number of hinges required according to the door dimension and weight.
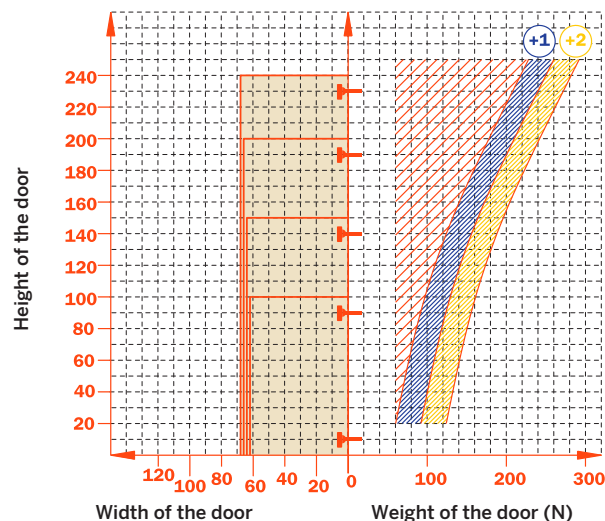
Adjustment

Compensated side adjustment from -1.5 mm to +4.5 mm.
Height adjustment ±2 mm.
Depth adjustment with Domi snap-on mounting plates from -0.5 mm to +2.8 mm.

Mounting plates

Snap-on assembly on Domi mounting plates.

N.B. : Use POZIDRIVE No. 2 screwdrivers for all screws.
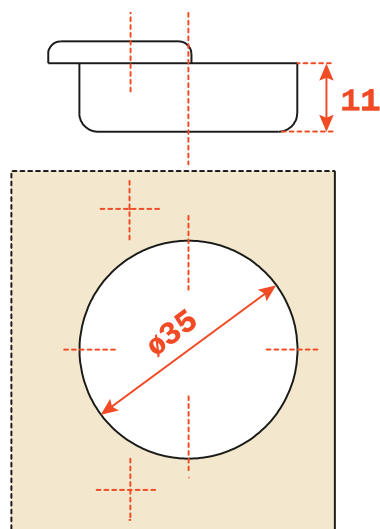
Fixing Type	Drilling Pattern
45mm Rapido	45, ø35, K, ø8, 9.5
45mm Knock-in	
45mm Screw Fix	45, ø35, K, 9.5
52mm Knock-in	52, ø35, K, ø10, 5.5

Space needed to open the door
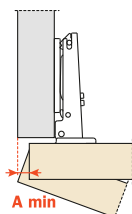
	T=	16	17	18	19	20	21	22	23	24	25	26
K=3	A=	0.5	0.7	0.9	1.2	1.5	1.8	2.4	3.7	5.1	6.5	7.8
K=4	A=	0.5	0.7	0.9	1.2	1.5	1.8	2.1	2.7	4.1	5.5	6.8
K=5	A=	0.5	0.7	0.9	1.2	1.5	1.8	2.1	2.6	3.1	4.1	5.4
K=6	A=	0.5	0.7	0.9	1.2	1.5	1.8	2.1	2.5	3.0	3.5	4.4
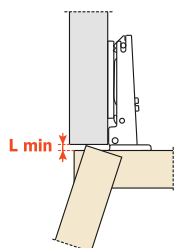
	T=	16	17	18	19	20	21	22	23	24	25	26
K=3	L=	0.0	0.0	0.0	0.0	0.2	0.5	0.8	1.1	1.4	1.7	1.9
K=4	L=	0.0	0.0	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.6
K=5	L=	1.1	1.3	1.6	1.8	2.1	2.3	2.6	2.9	3.1	3.4	3.6
K=6	L=	2.0	2.3	2.5	2.8	3.1	3.3	3.6	3.8	4.1	4.3	4.6

The above values are calculated on the assumption that the doors have square edges.
They are reduced if the doors have radiussed edges
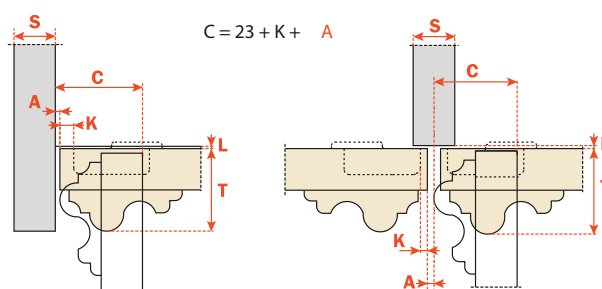
Projection of the door

Projection of the door from the cabinet side at the max. opening.
The figures are based on a straight arm hinge, H=0 mm thickness of mounting plate and K value = 3 mm.
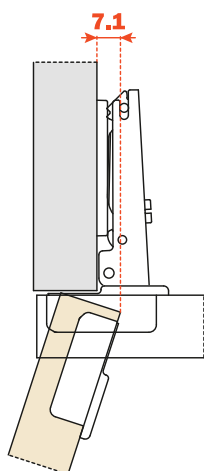
"C" value

With this formula you can obtain the max. thickness of the moulded door that can be opened without touching adjacent carcase sides, doors or walls, whilst bearing in mind the above L-K-T values.

$$C = 20 + K + A$$

Series 200 Full Overlay 94° For Thick Doors - 19mm to 35mm

- Made in Italy
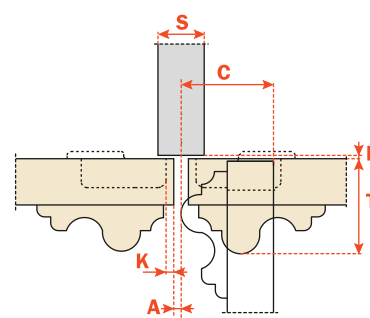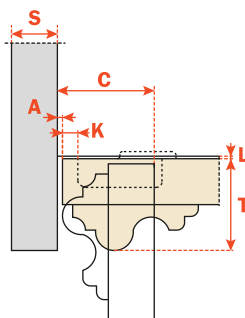- Non-Soft Close
- For thicker doors or doors with special profiles, max 35mm thickness
- 94° Opening angle
- 11mm Deep cup
- Possible drilling distance on the door (K): from 3 to 9mm
- Box Qty: 300pcs

Part No.	Description	
SAL.C27BA99	45mm Rapido	
SAL.C2RBA99	45mm Knock-in	
SAL.C2PBA99	45mm Screw Fix	

H= 15 + K - **(D)**

Space needed to open the door

T=		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
K=3	A=	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.6	2.6	3.5	4.5	5.4	6.4	7.4	8.3	9.3
K=4	A=	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.2	1.9	2.8	3.8	4.7	5.7	6.6	7.6	8.6
K=5	A=	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.2	1.4	2.2	3.1	4.1	5.0	5.9	6.9	7.8
K=6	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.2	1.4	1.7	2.6	3.5	4.4	5.3	6.2	7.2
K=7	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.1	1.3	1.6	2.1	3.0	3.8	4.7	5.6	6.5
K=8	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.3	1.6	1.8	2.5	3.3	4.2	5.1	6.0
K=9	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.3	1.5	1.8	2.1	2.9	3.7	4.6	5.4

K=	3	4	5	6	7	8	9
L=	0.0	0.0	0.0	0.0	0.0	0.3	1.3

The above values are calculated on the assumption that the doors have square edges. They are reduced if the doors have radiused edges

Projection of the door

Projection of the door from the cabinet side at the max. opening.
The figures are based on a straight arm hinge, H=0 mm thickness of mounting plate and K value = 3 mm.
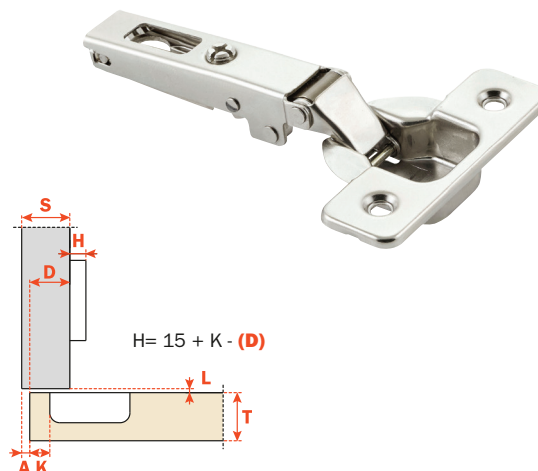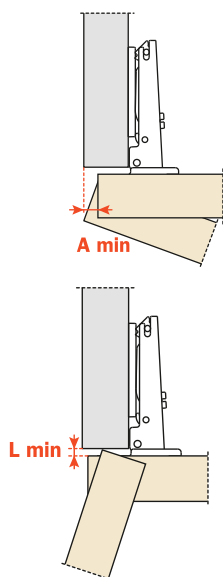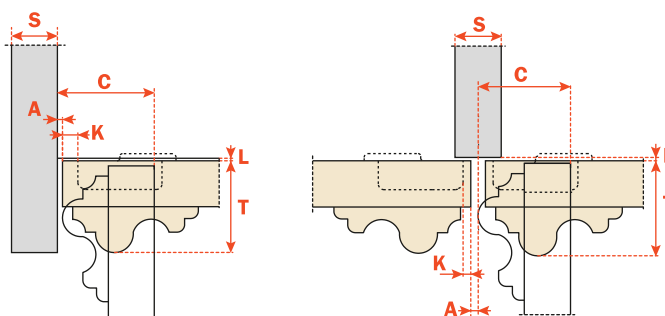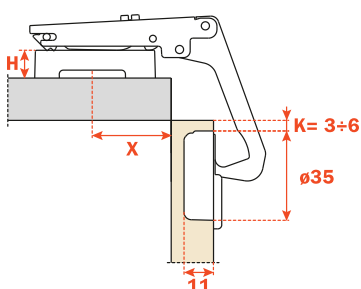
7.6

"C" value

With this formula you can obtain the max. thickness of the moulded door that can be opened without touching adjacent carcase sides, doors or walls, whilst bearing in mind the above L-K-T values.

C = 23 + K + A

Furnware Group

Series 200 Corner Cabinet Hinge

- Made in Italy
- Non-Soft Close
- For thicker doors or doors with mouldings or large radiused edges dimensions may change
- 70° Opening angle
- 11mm Deep cup
- Maximum thickness of the door with square edges: 23mm
- Drilling distance on the door (K): from 3 to 6mm
- Box Qty: 100pcs

Part No.	Description	
SAL.C27YA99	45mm Rapido	
SAL.C2RYA99	45mm Knock-in	
SAL.C2PYA99	45mm Screw Fix	
SAL.C22YA99	52mm Rapido	

Use these formulas to determine the height of mounting plate and drilling distance

Drilling distance:
cruciform mounting plates = 47 - T

T = Thickness of the door with square edges

Drilling distance
longitudinal mounting plates = (31 - T) + 32

$H^* = 26 - T - K$
The mounting plate heights that are not standard are obtained with the mounting plate of lower height + sideways adjustment

Examples of doors with square edges

T	K	X	X	H
20	5	47 - 20 = 27 mm	31 - 20 = 11 + 32 mm	26 - 20 - 5 = 1 mm
16	6	47 - 16 = 31 mm	31 - 16 = 15 + 32 mm	26 - 16 - 6 = 4 mm
19	3	47 - 19 = 28 mm	31 - 19 = 12 + 32 mm	26 - 19 - 3 = 4 mm
18	4	47 - 18 = 29 mm	31 - 18 = 13 + 32 mm	26 - 18 - 4 = 5 (H = 4 + 1 mm adjustment)

Hinge movement and maximum opening width

A min 2mm

70°

X
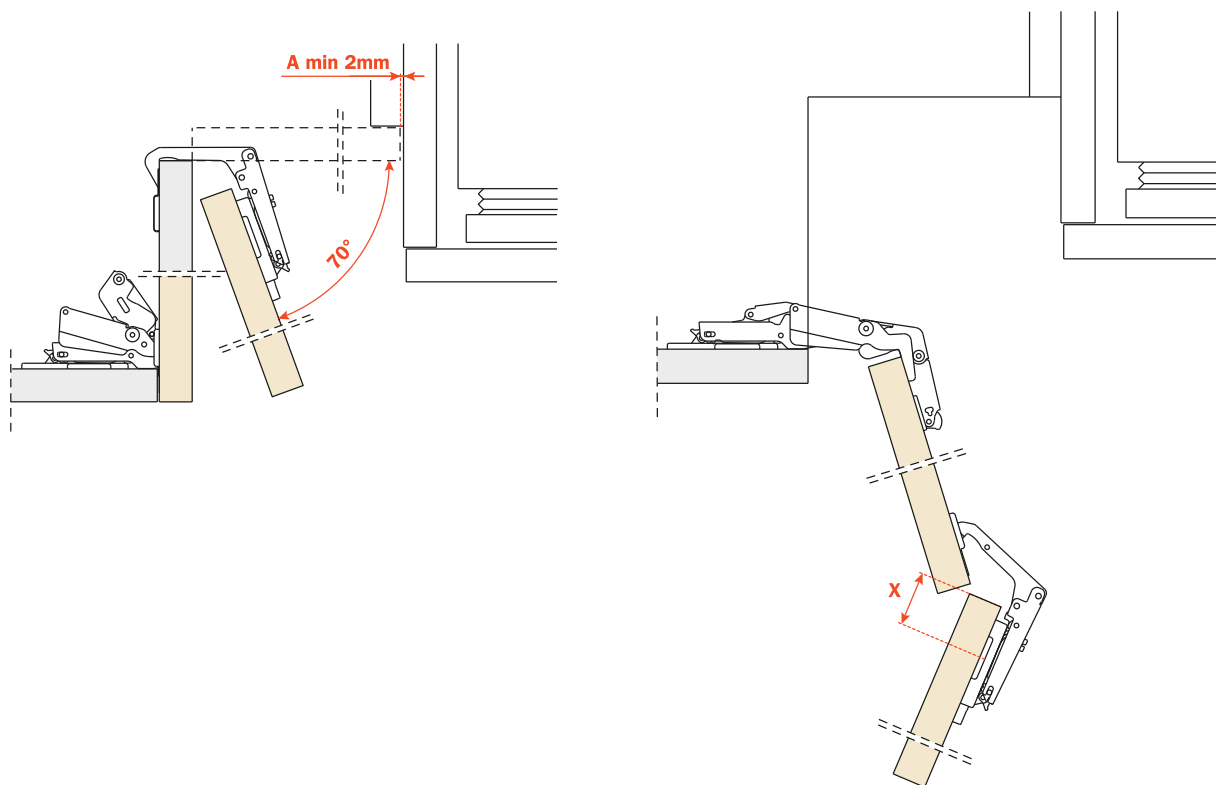
Space required to accommodate the hinge

The maximium space required to accommodate the hinge with 16mm thick doors is 64mm with Domi mounting plates and 68mm with mounting plates with back cam. With thicker doors the amount of space required is reduced

16

31

64

K=3÷6

ø 35

11

16

16

31

68

K=3÷6

ø35

11

16