



- Opening angle: 110°
- Drilling dimension on aluminium frame hinge head: 28mm
- Range of width of aluminium frame(V): 19-22mm
- Range of thickness of aluminium frame(T): 16-26mm

Space needed to open the door

A min

	T=	16	17	18	19	20	21	22	23	24	25	26
V=19	A=	0.6	0.9	1.1	1.4	1.7	2.1	2.5	3.0	3.6	4.4	5.1
V=20	A=	0.6	0.8	1.1	1.3	1.7	2.0	2.4	2.9	3.4	4.0	4.8
V=21	A=	0.6	0.8	1.0	1.3	1.6	2.0	2.3	2.8	3.2	3.8	4.5
V=22	A=	0.6	0.8	1.0	1.3	1.5	1.9	2.2	2.6	3.1	3.6	4.2

-T=Range of thickness of aluminium frame
-V=Range of width of aluminium frame

V: 19mm-22mm

Use these formulas to determine the type of hinge arm, the width of aluminium frame "V" and the height of the mounting plate "H" for each door application.

Technical drawing of a door cross-section showing dimensions L and L_{min}.

	T=	16	17	18	19	20	21	22	23	24	25	26
V=19	L=	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	1.0	1.3	1.6
V=20	L=	0.0	0.1	0.4	0.7	0.9	1.2	1.5	1.7	2.0	2.3	2.5
V=21	L=	0.8	1.1	1.4	1.6	1.9	2.2	2.4	2.7	3.0	3.2	3.5
V=22	L=	1.8	2.1	2.3	2.6	2.9	3.1	3.4	3.7	3.9	4.2	4.5

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

Full overlay C=0	$H = -1 + V - (D)$ (Factory setting)	<table> <tr> <th></th><th>Item No.</th><th>Pcs/ctn</th></tr> <tr> <td>Soft-close</td><td>C82A678FA</td><td>200</td></tr> <tr> <td>Unsprung</td><td>A82A678A</td><td>200</td></tr> </table>		Item No.	Pcs/ctn	Soft-close	C82A678FA	200	Unsprung	A82A678A	200
	Item No.	Pcs/ctn									
Soft-close	C82A678FA	200									
Unsprung	A82A678A	200									
Half overlay C=9	$H = -10 + V - (D)$ (Factory setting)	<table> <tr> <th></th><th>Item No.</th><th>Pcs/ctn</th></tr> <tr> <td>Soft-close</td><td>C82B678FA</td><td>200</td></tr> <tr> <td>Unsprung</td><td>A82B678A</td><td>200</td></tr> </table>		Item No.	Pcs/ctn	Soft-close	C82B678FA	200	Unsprung	A82B678A	200
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Soft-close	C82B678FA	200									
Unsprung	A82B678A	200									
Inset C=18	$H = -21.5 + V + (A)$ (Factory setting)	<table> <tr> <th></th><th>Item No.</th><th>Pcs/ctn</th></tr> <tr> <td>Soft-close</td><td>C82C678FA</td><td>200</td></tr> <tr> <td>Unsprung</td><td>A82C678A</td><td>200</td></tr> </table>		Item No.	Pcs/ctn	Soft-close	C82C678FA	200	Unsprung	A82C678A	200
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ASSEMBLY AND ADJUSTMENT

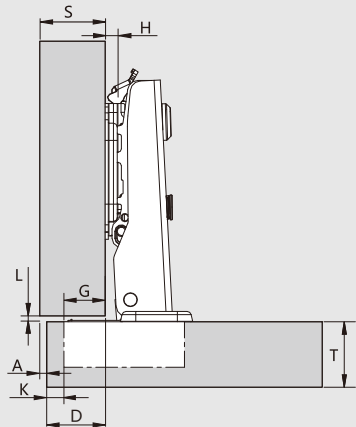
STYLISH Hinges Installation and Parameters



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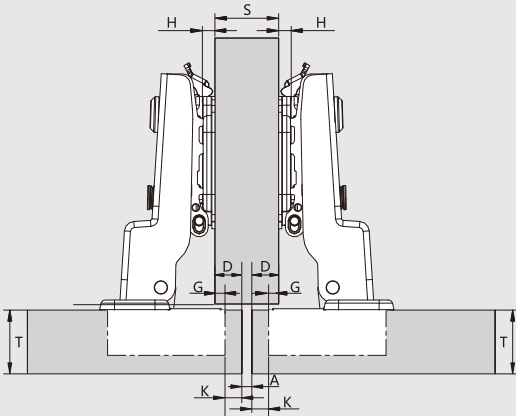
Application with full overlay door



S = Thickness of the cabinet side
D = Required door overlay
T = Door thickness
K = Drilling distance
A = Reveal
L = Gap between door and cabinet
H = Height of mounting plate
G = Hinge constant

Whatever door overlay is required, you can select from our range the combination of both the type of hinge arm and the thickness of mounting plate necessary to solve your construction problems and avoid the need to stock too many different components.

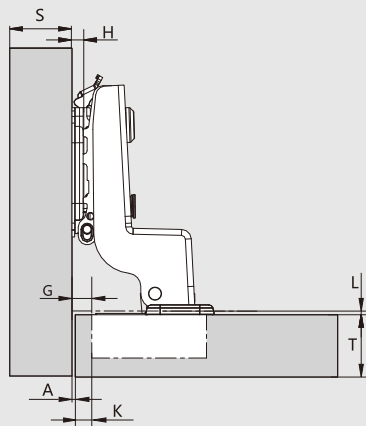
Application with half overlay door



S = Thickness of the cabinet side
D = Required door overlay
T = Door thickness
K = Drilling distance
A = Reveal
L = Gap between door and cabinet
H = Height of mounting plate
G = Hinge constant

Whatever door overlay is required, you can select from our range the combination of both the type of hinge arm and the thickness of mounting plate necessary to solve your construction problems and avoid the need to stock too many different components.

Application with inset door

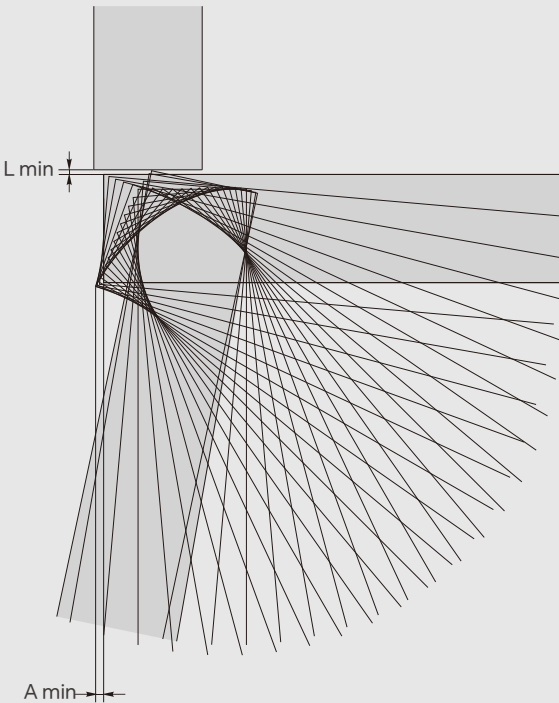


S = Thickness of the cabinet side
T = Door thickness
K = Drilling distance
A = Reveal
L = Gap between internal face of door and internal cabinet elements(e.g shelves, drawer, etc.)
H = Height of mounting plate
G = Hinge constant

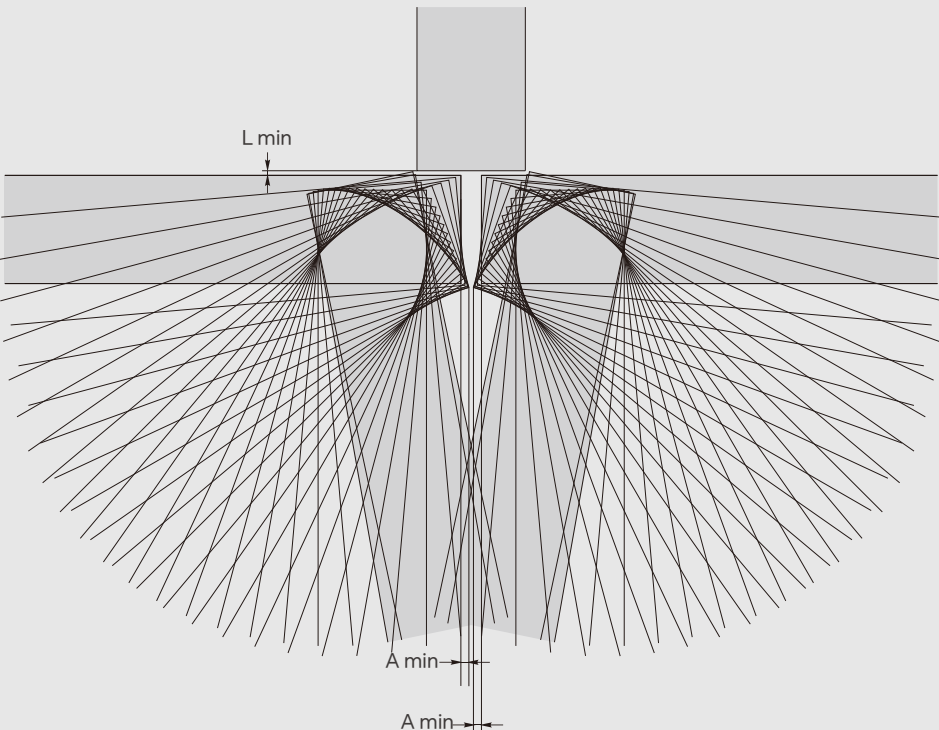
Whatever door overlay is required, you can select from our range the combination of both the type of hinge arm and the thickness of mounting plate necessary to solve your construction problems and avoid the need to stock too many different components.

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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



ASSEMBLY AND ADJUSTMENT

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Side adjustment

Side adjustment of the door is made by using the indicated screw

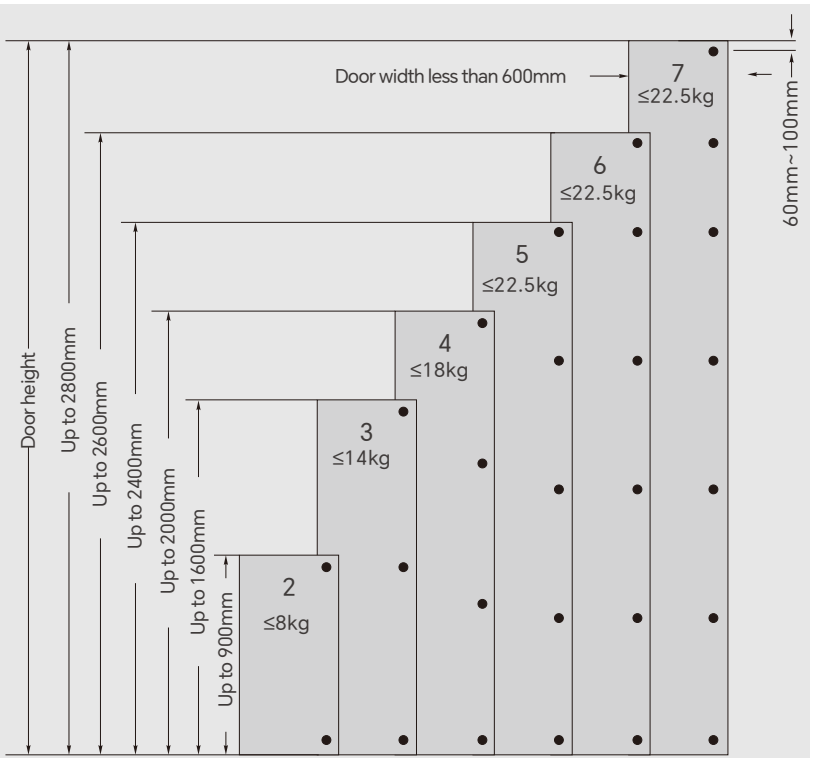
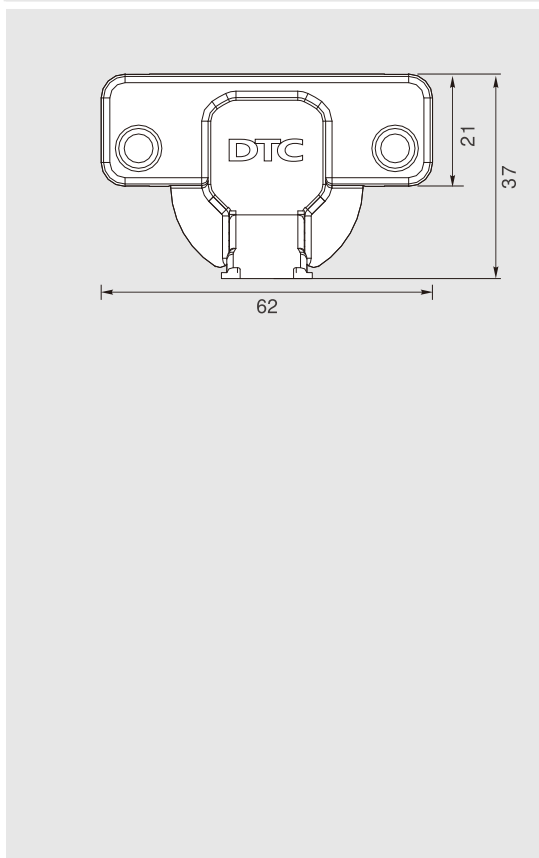
Depth adjustment

Depth adjustment is made without loosening any screw. The door can be moved in or out by rotating the adjustment screw on the hinge arm.

Height adjustment

Height adjustment is made without loosening any screw. The door can be moved up or down by rotating the adjustment screw on the mounting plate.

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L=distance between hinges, performance is best when L is as far apart as possible

Hinges needed per door
The number of hinges needed depends on three factors: Height, Width and Weight of the door. This illustration can be used as a general guide, however a trial is suggested for doors made of heavier materials. Performance is best when distance (L) is as far apart as possible on doors with two hinges. This is especially important for doors that are wider than they are tall to prevent door sag.

- Adjustment**
- Side adjustment: -4mm~+2mm
 - Depth adjustment: -2.5mm~+2.5mm
 - Height adjustment: ±2mm
- Mounting plates**
- Two-hole and four-hole mounting plates
 - Cam-adjustable mounting plates