



- Opening angle: 110°
- Depth of hinge cup: 11.5mm
- Diameter of hinge cup: 35mm
- Range of door thickness: 16-26mm
- Possible drilling distance on the door(K):
3-6mm

The image displays three views of a heavy-duty stainless steel hinge. The top view shows the hinge's profile with a curved mounting plate and a central pin. The side view shows the hinge's internal components, including the pin and the mounting plate. The front view shows the hinge's base plate with two circular mounting holes and a central pin. The hinge is made of polished stainless steel and is shown against a light blue background.

Space needed to open the door

	T=	16	17	18	19	20	21	22	23	24	25	26
K=3	A=	0.7	0.9	1.2	1.5	1.8	2.2	2.6	3.2	3.8	4.5	5.3
K=4	A=	0.7	0.9	1.1	1.4	1.8	2.1	2.5	3.0	3.5	4.4	4.9
K=5	A=	0.6	0.9	1.1	1.4	1.7	2.0	2.4	2.9	3.4	3.9	4.6
K=6	A=	0.6	0.8	1.1	1.3	1.6	2.0	2.4	2.8	3.2	3.8	4.4

-T=Door thickness
-K=Possible drilling distance on the door

The technical drawing shows a cross-section of a door with a handle. The dimension L is the total width of the door, and L_{min} is the minimum width of the handle. The table below provides values for L and L_{min} for different door types (K=3 to K=6) and handle types (T=16 to T=26).

	T=	16	17	18	19	20	21	22	23	24	25	26
K=3	L=	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
K=4	L=	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.9	1.1
K=5	L=	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
K=6	L=	0.9	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0

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

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Technical drawing showing a screw and a plate. The plate has a width of 11.5 units.

Titanium black(A08)

	Item No.	Pcs/ctn
Soft-close	C81J875FAB	200
		200
Unsprung	A81J875A	200

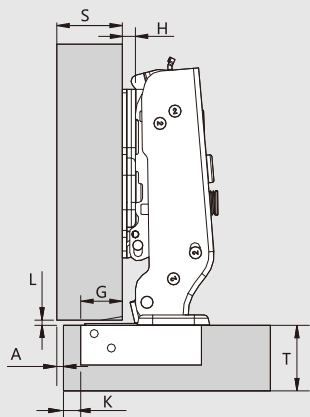
ASSEMBLY AND ADJUSTMENT

PIVOT-STAR Hinges Installation and Parameters



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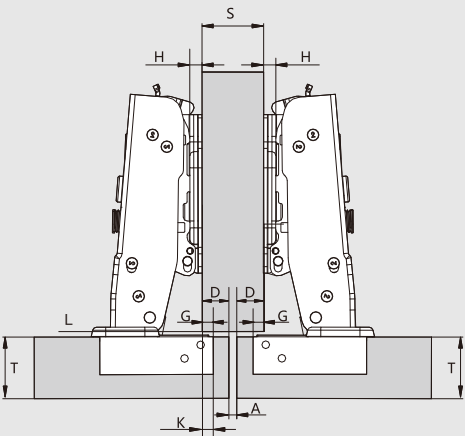
Application with full overlay door



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.

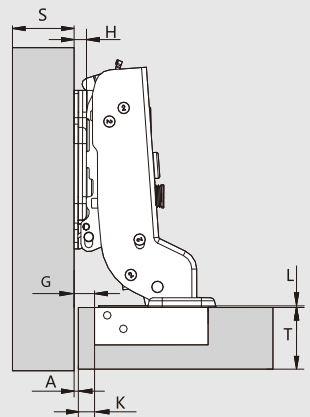
Application with half overlay door



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

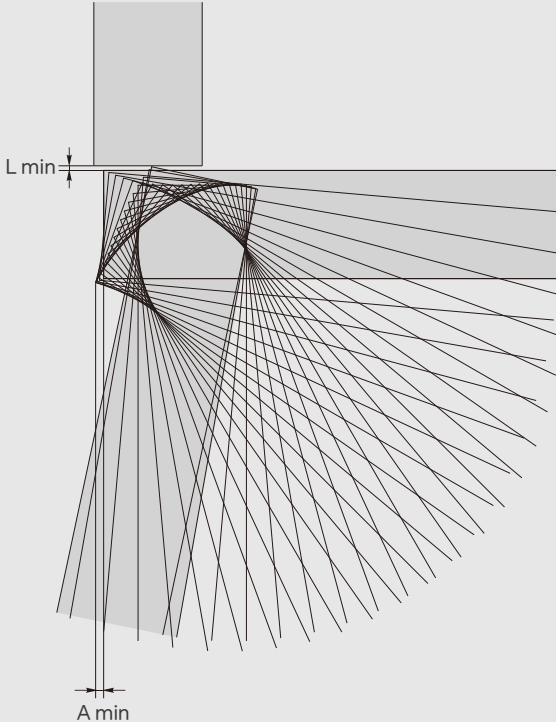


S = Thickness of the cabinet side
T = Door thickness
K = Drilling distance
A = Reveal
L = Gap between internal face of door and internal cabinet elements (e.g. shelves, drawer, etc.)
H = Height of mounting plate
G = Hinge constant

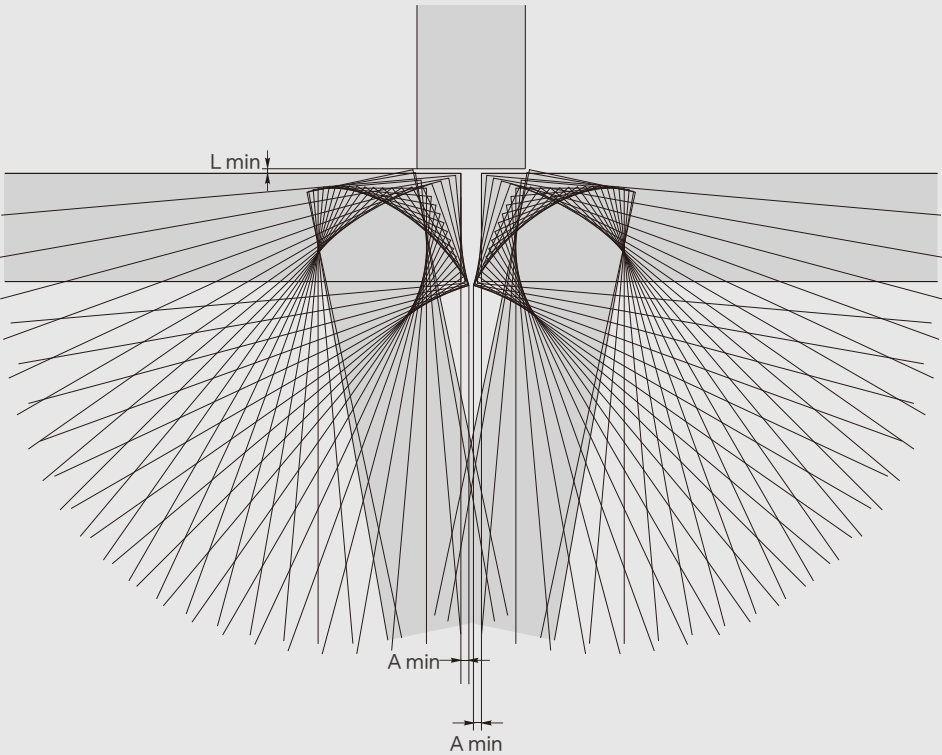
Whatever door overlay is required, you can select from our range the combination of both the type of hinge arm and the thickness of mounting plate necessary to solve your construction problems and avoid the need to stock too many different components.

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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

PIVOT-STAR Hinges Installation and Parameters

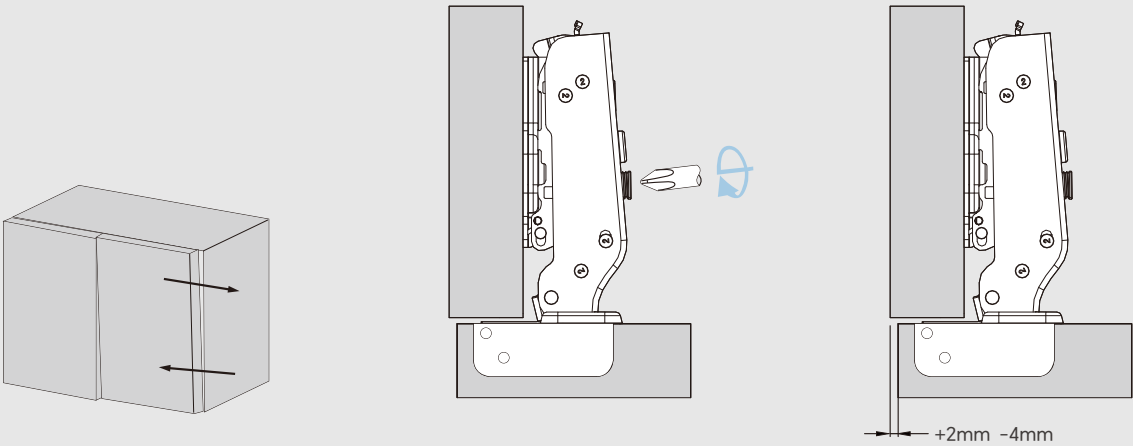


DTC

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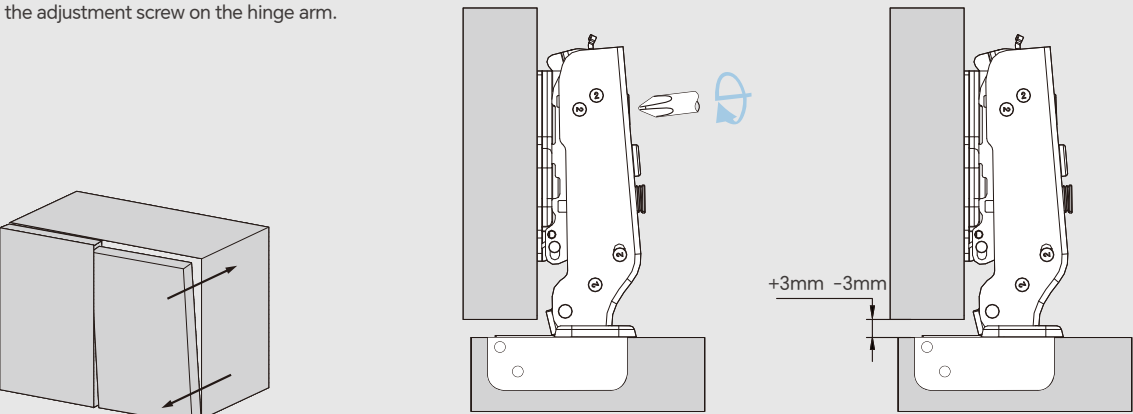
Side adjustment

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



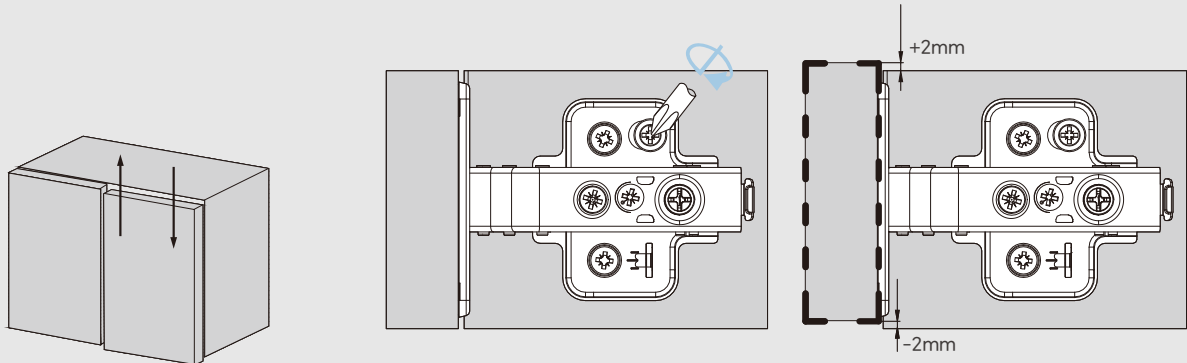
Depth adjustment

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

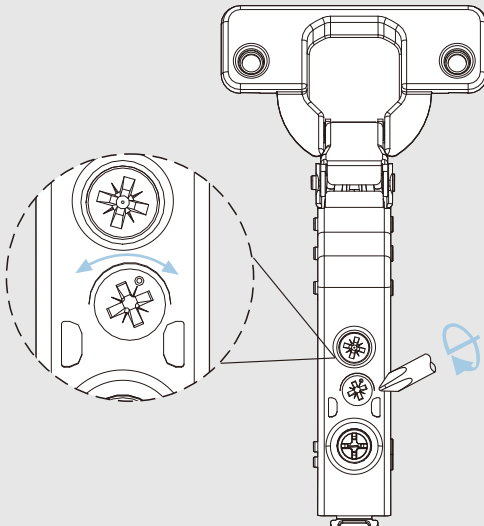
Height adjustment is made without loosening any screw. The door can be moved up or down by rotating the adjustment screw on the mounting plate.



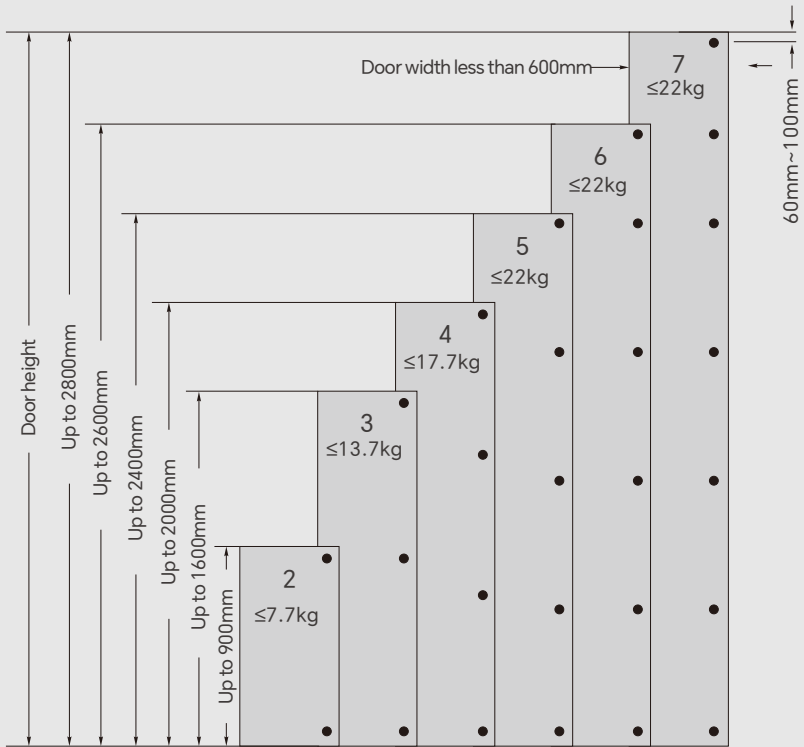
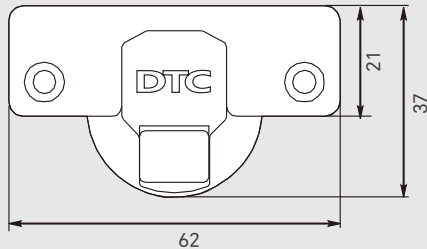
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Door closing speed adjustment



Clockwise increasing door closing time
Counter clockwise reducing door closing time



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: ±3mm
Height adjustment: ±2mm

Mounting plates

Two-hole or four-hole mounting plates
Standard and in-line cam-adjustable mounting plates