

PIVOT-PRO

B80 Series 110° Snap-on Cam-adjustable Soft-close Hinges

DTC



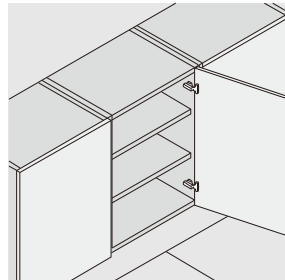
PRODUCT



DESCRIPTION

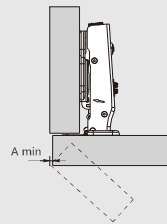
- Opening angle: 110°
- Depth of hinge cup: 11.5mm
- Diameter of hinge cup: 35mm
- Range of door thickness: 16-26mm
- Possible drilling distance on the door(K): 3-6mm

APPLICATION



PLANNING

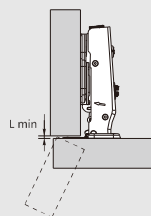
Space needed to open the door



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

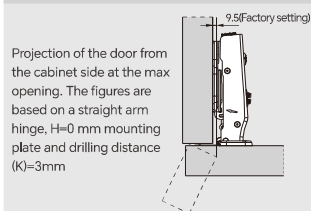
Space needed to open the door



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.

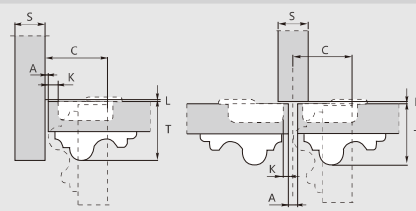
Projection of the door



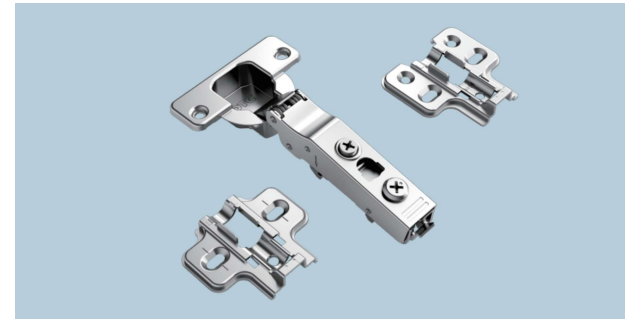
"C" value

$$C=20+K+A$$

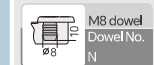
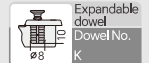
With this formula you can obtain the max thickness of the moulded door that can be opened without touching adjacent carcass sides, doors or walls, whilst bearing in mind the above L-K-T values.



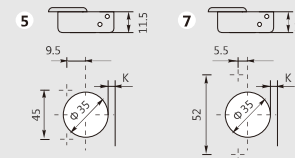
ORDER INFORMATION



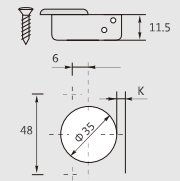
Options of screws and dowels



Φ35mm Hinge cup types



Use these formulas to determine the type of hinge arm, the drilling distance "K" and the height of the mounting plate "H" for each door application.



Nickel plated(A01)

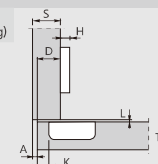
Titanium black(A08)

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Full overlay C=0

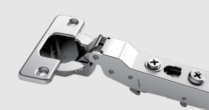


H=12+K-(D)
(Factory setting)

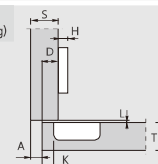


	Item No.	Pcs/ctn
Soft-close	B80A676H	200
Sprung	B80A676	200

Half overlay C=9



H=3+K-(D)
(Factory setting)

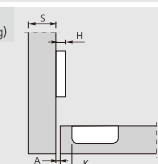


	Item No.	Pcs/ctn
Soft-close	B80B676H	200
Sprung	B80B676	200

Inset C=18



H=-6+K+(A)
(Factory setting)



	Item No.	Pcs/ctn
Soft-close	B80C676H	200
Sprung	B80C676	200

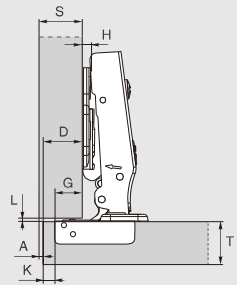
ASSEMBLY AND ADJUSTMENT

PIVOT-PRO Hinges Installation and Parameters



PLANNING

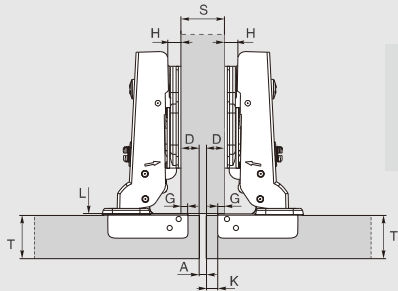
Application with full overlay door



S = Thickness of the cabinet side
D = Required door overlay
T = Door thickness
K = Drilling distance
A = Reveal
L = Gap between door and carcass
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.

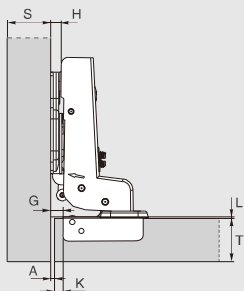
Application with half overlay door



S = Thickness of the cabinet side
D = Required door overlay
T = Door thickness
K = Drilling distance
A = Reveal
L = Gap between door and carcass
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

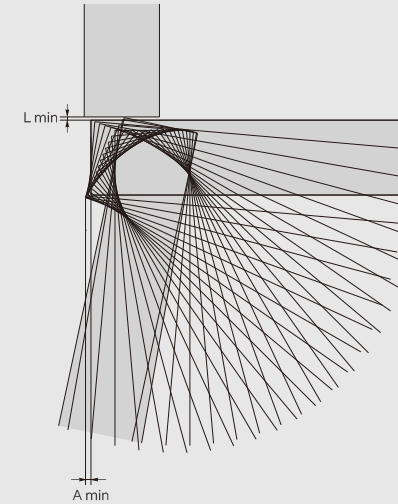


S = Thickness of the cabinet side
T = Door thickness
K = Drilling distance
A = Reveal
L = Gap between internal face of door and internal cabinet elements (e.g. shelves, drawer, etc.)
H = Height of mounting plate
G = Hinge constant

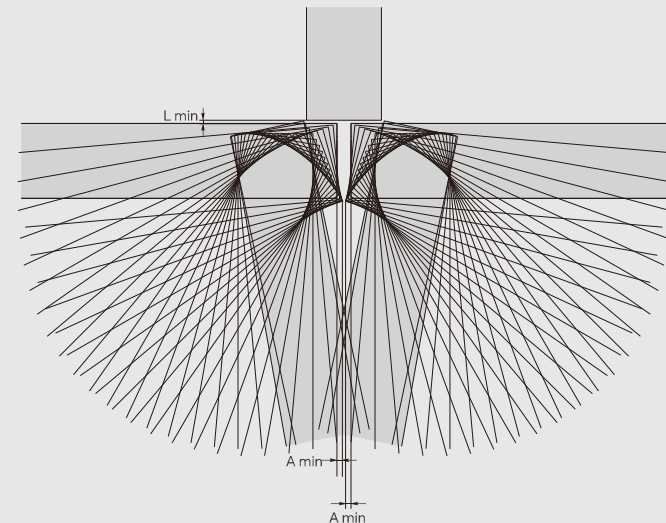
Whatever door overlay is required, you can select from our range the combination of both the type of hinge arm and the thickness of mounting plate necessary to solve your construction problems and avoid the need to stock too many different components.

PLANNING

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-PRO Hinges Installation and Parameters

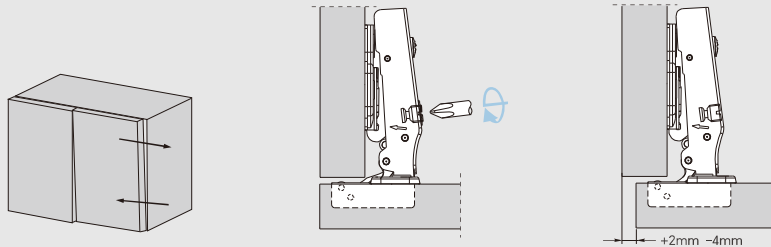


DTC

PLANNING

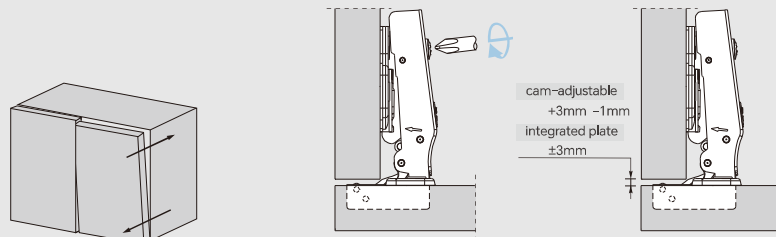
Side adjustment

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



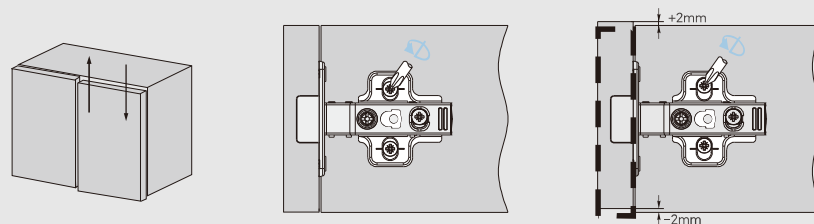
Depth adjustment

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.

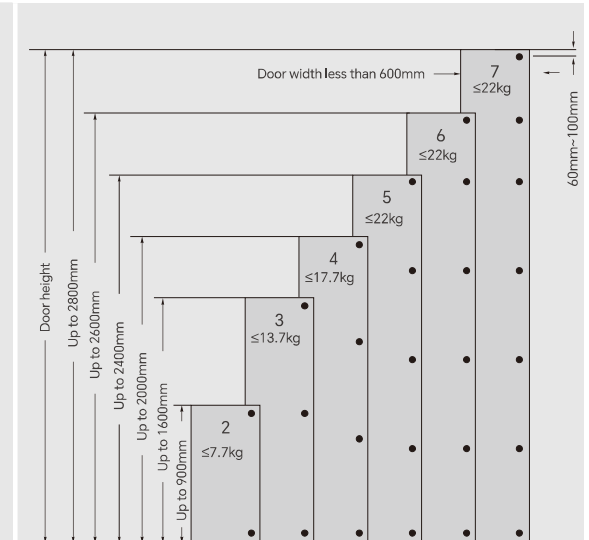
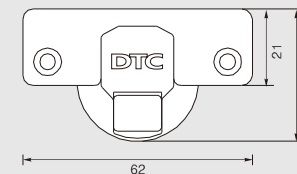


Height adjustment

By loosening the two fixing screws to allow the mounting plate to slide up or down, the door can be adjusted vertically by ± 2 mm. After re-tightening the screws, the height adjustment is done.



PLANNING



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: $-4\text{mm} \sim +2\text{mm}$
Depth adjustment: $-1\text{mm} \sim +3\text{mm}$
Height adjustment: $\pm 2\text{mm}$

Mounting plates

Two-hole or four-hole mounting plates