

HINGE SERIES PIVOT-STAR



The new technique of anyway snap-on attachment is quick and convenient.

Any of three hinge-to-plate assembly methods can be performed:

- Front pivot towards back
- Rear pivot towards front
- Sideways straight press-on

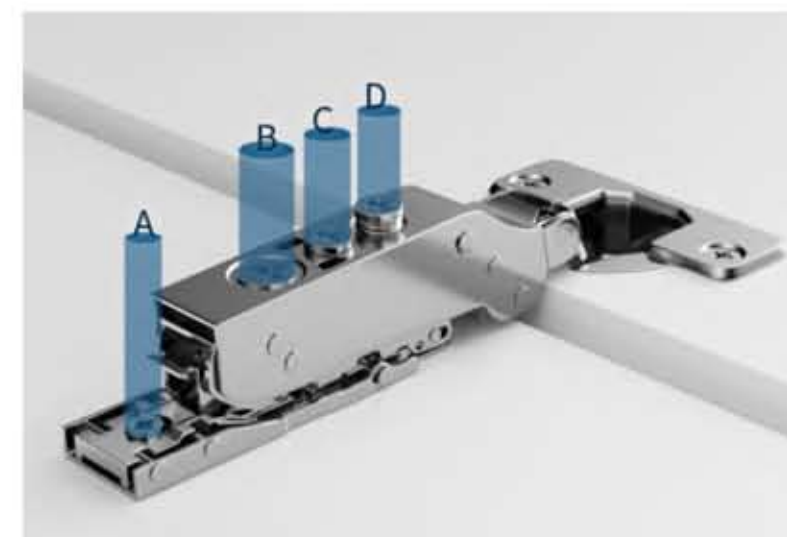
Not only is the efficiency of door attachment improved, but also the connection between hinge and plate stronger.

The Anyway snap-on feature is particularly useful in situations of tall doors with multiple hinges.



Durable, excellent performance

Two-stage closing force control to reduce door rebound and provide longer life. Soft-close activates even within a small opening angle. Effortless opening with smooth and silent closing creates a comfortable feel.



4D adjustment provides perfect door alignment and motion

With easy adjustments for the side, depth, height, and door closing speed of cabinet doors, PIVOT-STAR makes the home convenient and comfortable.

PIVOT-STAR

C81 Series 110° Anyway Snap-on Speed Adjustable Soft-close Hinges with Spiral-cam



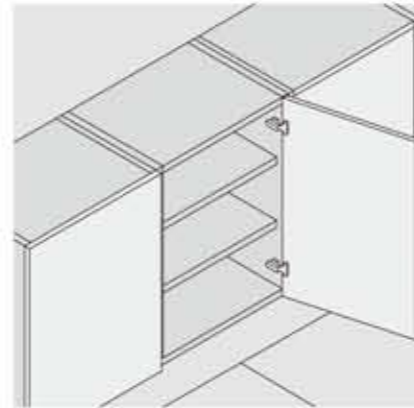
PRODUCT



DESCRIPTION

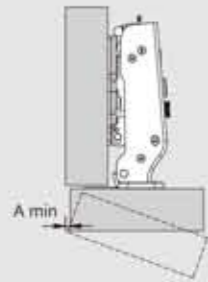
- Opening angle: 110°
- Depth of hinge cup: 11.5mm
- Diameter of hinge cup: 35mm
- Range of door thickness: 16-26mm
- Possible drilling distances on the door(K): 3-6 mm

APPLICATION



PLANNING

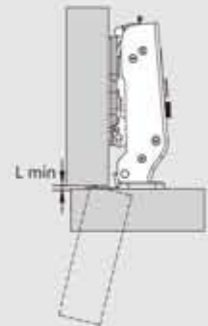
Space needed to open the door



	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=Cup hole drilling distance from door edge

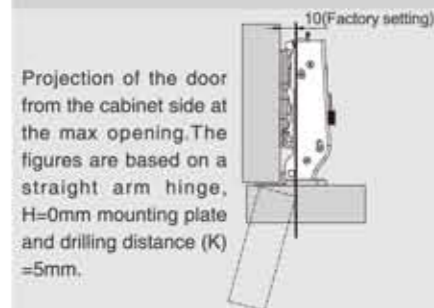
Space needed to open the door



	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.

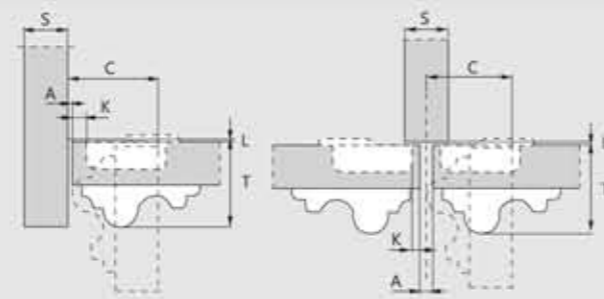
Projection of the door



"C" value

$$C = 20 + K + A$$

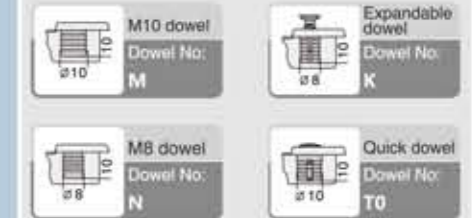
With this formula you can obtain the max thickness of the moulded door that can be opened without touching adjacent carcass sides, doors or walls, whilst bearing in mind the above L-K-T values.



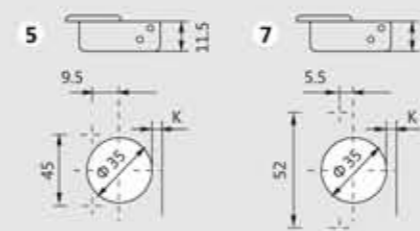
ORDER INFORMATION



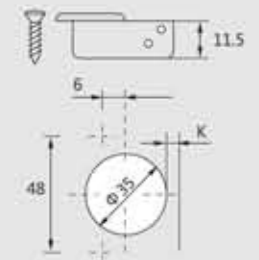
Options of screws and dowels:



Φ 35mm 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)

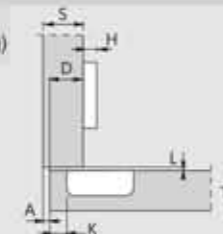
C81 series 110° anyway snap-on speed adjustable soft-close hinges with spiral-cam

Full overlay C=0



$$H = 12 + K - (D)$$

(Factory setting)



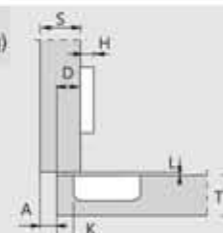
	Item No.	Pcs/ctn
Soft-close	C81A876FAB	200

Half overlay C=9



$$H = 3 + K - (D)$$

(Factory setting)



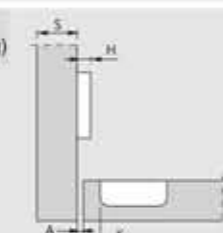
	Item No.	Pcs/ctn
Soft-close	C81B876FAB	200

Inset C=18



$$H = -6 + K + (A)$$

(Factory setting)



	Item No.	Pcs/ctn
Soft-close	C81C876FAB	200

PIVOT-STAR

C81 Series 95° Anyway Snap-on Speed Adjustable Soft-close Hinges with Spiral-cam for Thick Door



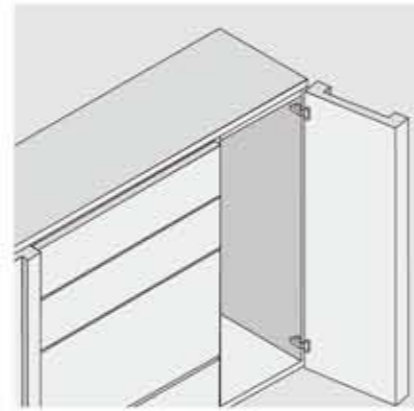
PRODUCT



DESCRIPTION

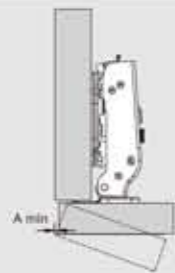
- Opening angle: 95°
- Depth of hinge cup: 11.5mm
- Diameter of hinge cup: 35mm
- Range of door thickness: 19-35mm
- Possible drilling distances on the door (K): 3-6 mm

APPLICATION



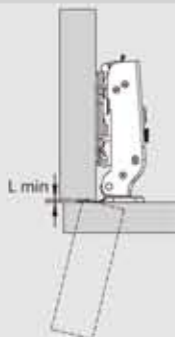
PLANNING

Space needed to open the door



	T=	19	20	21	22	23	24	25	26	27	28	29	30	31	32 - 35
K=3	A=	0.1	0.2	0.3	0.4	0.5	0.7	0.9	1.3	2.2	3.2	4.1	5.0	6.0	7.0 - 10
K=4	A=	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.6	2.5	3.5	4.4	5.3	6.3 - 9.1
K=5	A=	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.2	2.0	2.9	3.7	4.7	5.6 - 8.4
K=6	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.2	1.4	2.3	3.2	4.1	5.0 - 7.8
K=7	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.2	1.4	1.8	2.7	3.6	4.4 - 7.0
K=8	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.1	1.4	1.6	2.2	3.1	3.9 - 6.5
K=9	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	2.6	3.4 - 6.0

Space needed to open the door



	T=	19	20	21	22	23	24	25	26	27	28	29	30	31	32 - 35
K=3	L=	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 0.0
K=4	L=	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 0.0
K=5	L=	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.4	0.5 - 0.7
K=6	L=	0.3	0.4	0.5	0.6	0.7	0.7	0.8	0.9	1.0	1.2	1.2	1.3	1.4	1.5 - 1.7
K=7	L=	1.3	1.4	1.5	1.6	1.7	1.7	1.8	1.9	2.0	2.2	2.2	2.3	2.4	2.5 - 2.7
K=8	L=	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.2	3.2	3.3	3.4	3.5 - 3.7
K=9	L=	3.3	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.2	4.2	4.3	4.4	4.5 - 4.7

- 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

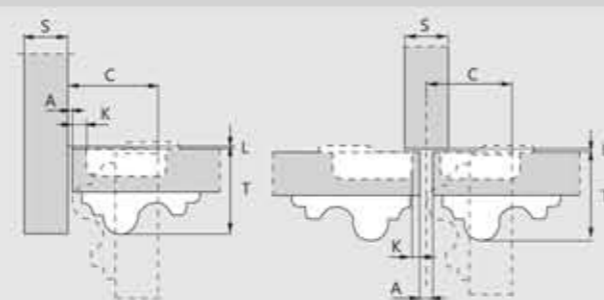
Projection of the door from the cabinet side at the max opening. The figures are based on a straight arm hinge, H=0mm mounting plate and drilling distance (K)=5mm.



"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.



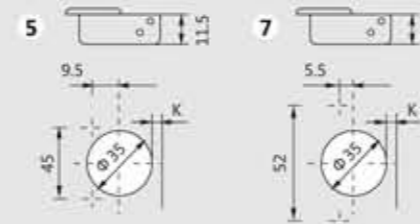
ORDER INFORMATION



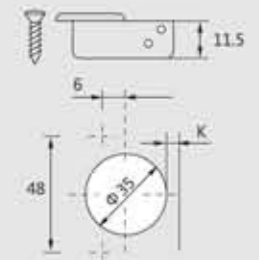
Options of screws and dowels:

M10 dowel Dowel No: M	Expandable dowel Dowel No: K
M8 dowel Dowel No: N	Quick dowel Dowel No: TO

Φ 35mm 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)

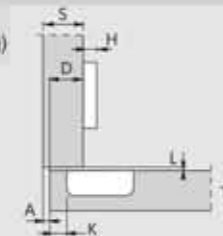
C81 series 95° anyway snap-on speed adjustable soft-close hinges with spiral-cam for thick door

Full overlay C=0



$$H = 12 + K - (D)$$

(Factory setting)



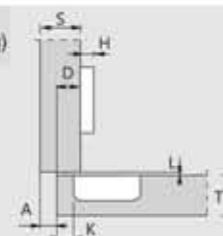
	Item No.	Pcs/ctn
Soft-close	C81A816FAB	200

Half overlay C=9



$$H = 3 + K - (D)$$

(Factory setting)



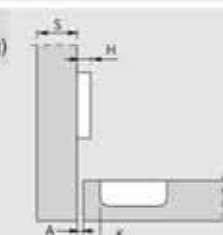
	Item No.	Pcs/ctn
Soft-close	C81B816FAB	200

Inset C=18



$$H = -6 + K + (A)$$

(Factory setting)



	Item No.	Pcs/ctn
Soft-close	C81C816FAB	200



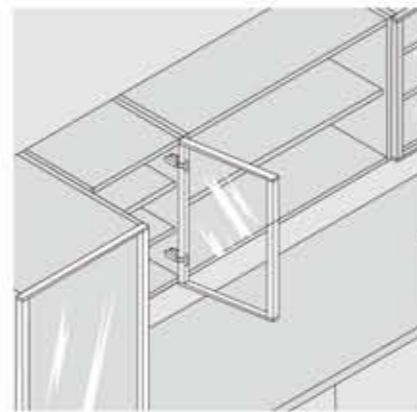
PRODUCT



DESCRIPTION

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

APPLICATION

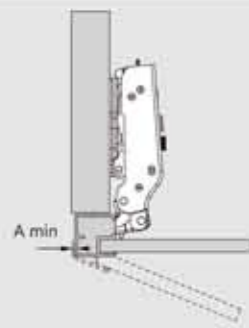


ORDER INFORMATION



PLANNING

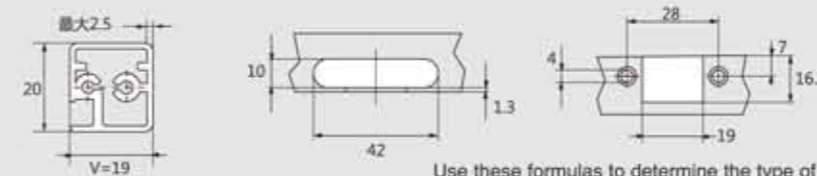
Space needed to open the door



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

Drilling dimensions on aluminium frame

V: 19mm-22mm

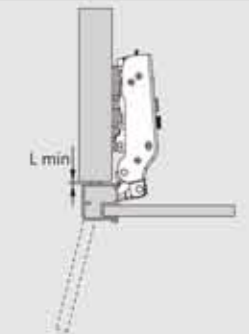


Use these formulas to determine the type of hinge arm, the drilling distance "K" and the height of the mounting plate "H" for each door application.

Nickel plated(A01)

Titanium black(A08)

Space needed to open the door



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	0.0	0.0	0.0	0.0	0.0	0.1
V=20	L= 0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.9	1.1
V=21	L= 0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
V=22	L= 0.9	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0

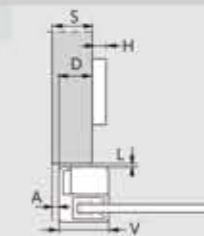
- The above values are calculated on the assumption that the doors have square edges.
- They are reduced if the doors have radiused edges.

C81 series 110° anyway snap-on speed adjustable soft-close aluminium frame hinges with spiral-cam

Full overlay C=0



$$H = -2 + V - (D)$$

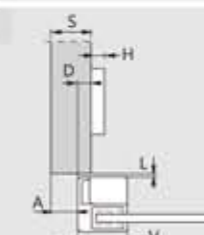


Item No.	Pcs/ctn
Soft-close C81A878FAB	200

Half overlay C=9



$$H = -11 + V - (D)$$

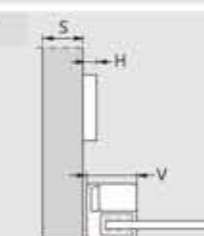


Item No.	Pcs/ctn
Soft-close C81B878FAB	200

Inset C=18

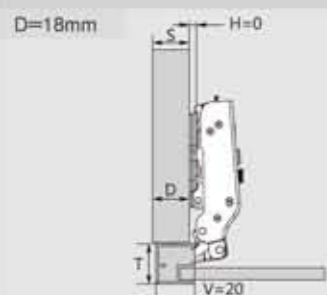


$$H = -20.5 + V + (A)$$

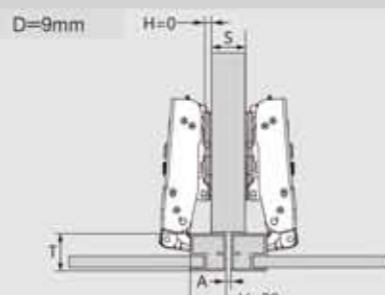


Item No.	Pcs/ctn
Soft-close C81C878FAB	200

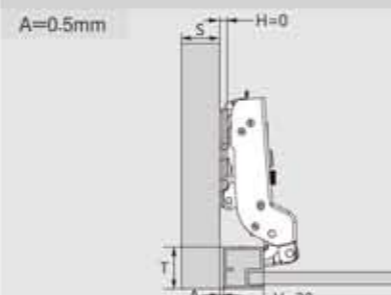
C=0 Application with full overlay door



C=9 Application with half overlay door



C=18 Application with inset door



PIVOT-STAR

C81 Series 110° Anyway Snap-on Speed Adjustable Soft-close Aluminium Frame Hinges with Spiral-cam



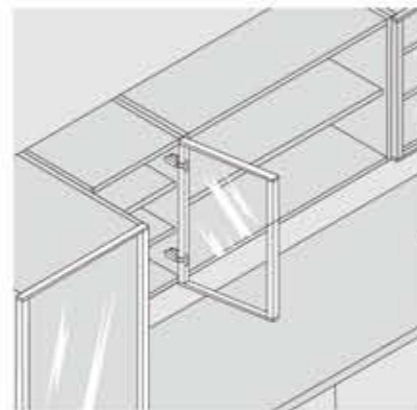
PRODUCT



DESCRIPTION

- Opening angle: 95°
- Drilling dimension on aluminium frame hinge head: 28mm
- Range of width of aluminium frame (V): 18-26mm

APPLICATION



PLANNING

Space needed to open the door



	T=	18	19	20	21	22	23	24	25	26
V=18	A=	0.2	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.2
V=19	A=	0.2	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.2
V=20	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.2
V=21	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.1
V=22	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1
V=23-26 (K=6)	A=	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1

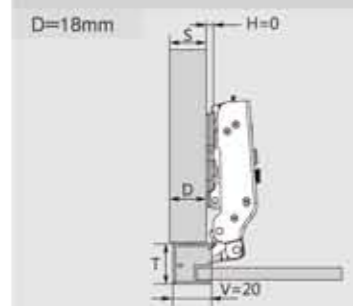
Space needed to open the door



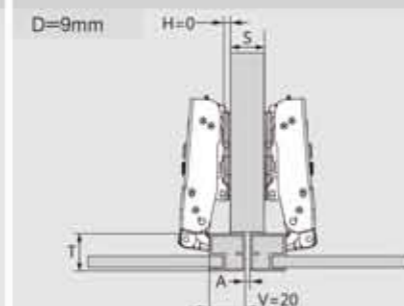
	T=	18	19	20	21	22	23	24	25	26
V=18	L=	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V=19	L=	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V=20	L=	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V=21	L=	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
V=22	L=	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1
V=23-26 (K=6)	L=	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1

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

C=0 Application with full overlay door



C=9 Application with half overlay door



C=18 Application with inset door

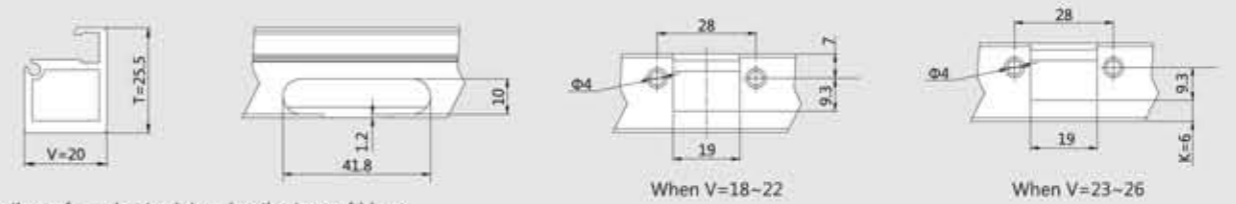


ORDER INFORMATION



Drilling dimensions on aluminium frame

V: 18mm-26mm



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.

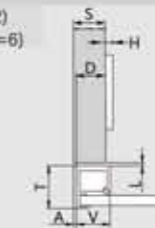
C81 series 110° anyway snap-on speed adjustable soft-close aluminium frame hinges with spiral-cam

Full overlay C=0



$$H = -3 + V - (D) \dots (V=18-22)$$

$$H = 19 - (D) \dots (V=23-26, K=6)$$



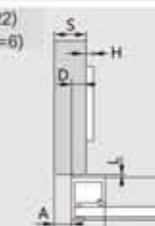
	Item No.	Pcs/ctn
Soft-close	C81A818FAB	200

Half overlay C=9



$$H = -12 + V - (D) \dots (V=18-22)$$

$$H = 10 - (D) \dots (V=23-26, K=6)$$



	Item No.	Pcs/ctn
Soft-close	C81B818FAB	200

Inset C=18



$$H = -21 + V + A \dots (V=18-22)$$

$$H = 1 + A \dots (V=23-26, K=6)$$



	Item No.	Pcs/ctn
Soft-close	C81C818FAB	200

PIVOT-STAR

C81 Series 160° Anyway Snap-on Speed Adjustable Soft-close Hinges with Spiral-cam



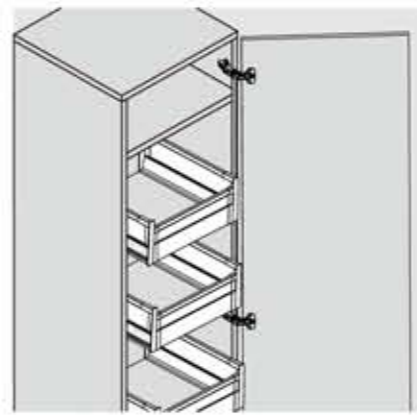
PRODUCT



DESCRIPTION

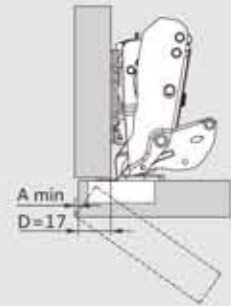
- Opening angle: 160°
- Depth of hinge cup: 12.4mm
- Diameter of hinge cup: 35mm
- Range of door thickness: 18-28mm
- Possible drilling distances on the door (K): 3-6 mm

APPLICATION



PLANNING

Space needed to open the door

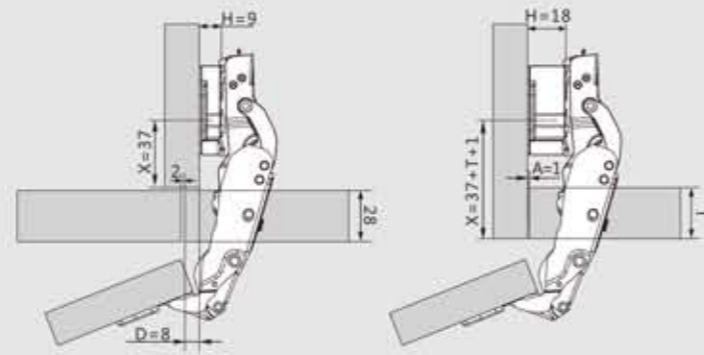
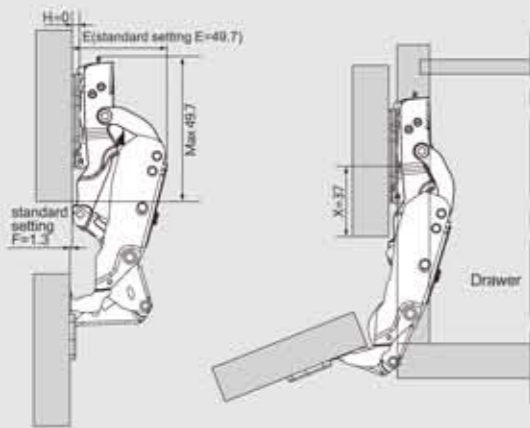


	T=	18	19	20	21	22	23	24	25	26	27	28
K=3	A=	0	0	0	0	0	0	0	0	0	0	0
K=4	A=	0	0	0	0	0	0	0	0	0	0	0
K=5	A=	0	0	0	0	0	0	0	0	0	0	0
K=6	A=	0	0	0	0	0	0	0	0	0	0	0

Application

The door combined with a mounting plate H=0, opens at 90°, with a 1.3mm protrusion allowing objects (e.g. drawers) to move from inside of the cabinet.

No gap is required when door thickness is less than 28mm. A trial assembly is recommended when door thickness is over 28mm.



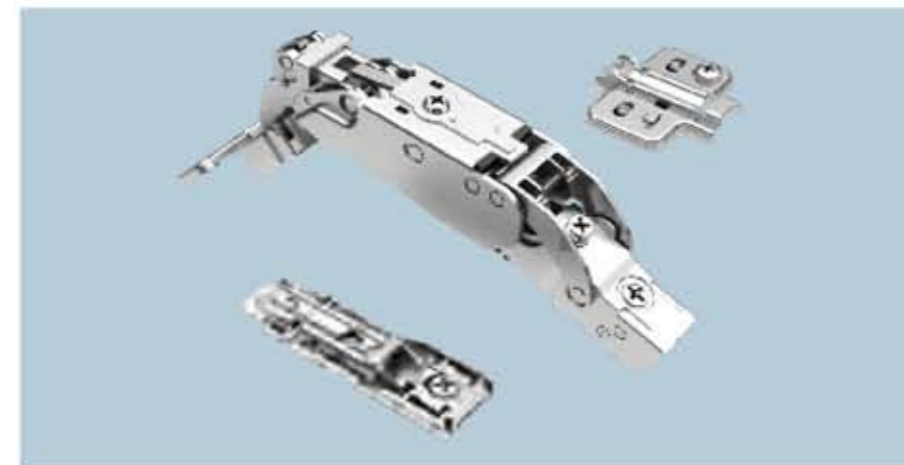
Door Type	E(max)	F(90°)
Full Overlay	49.7	1.3
Half Overlay	58.7	-8.3
Inset Door	67.7	-17.3

Full overlay C=0

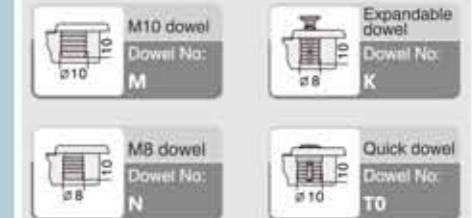
Half overlay C=9

Inset C=18

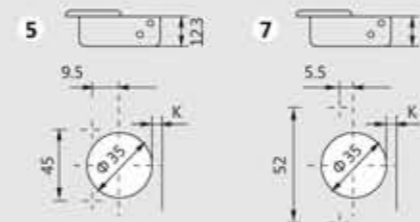
ORDER INFORMATION



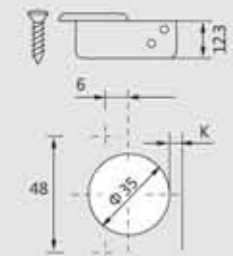
Options of screws and dowels:



Φ 35mm 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)

C81 series 160° anyway snap-on speed adjustable soft-close hinges with spiral-cam

Full overlay C=0

Overlay C=4

Half overlay C=9

Inset C=18

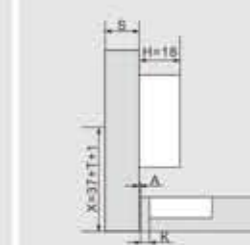
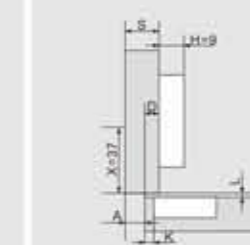
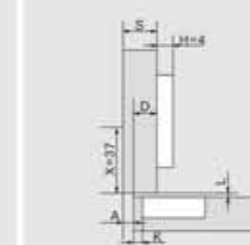
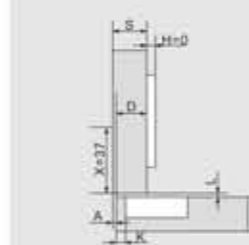


H=12+K-(D)

H=12+K-(D)

H=12+K-(D)

H=12+K+(A)



K=5, for full overlay D=17±2mm, H=0 mounting plate only

K=5, for overlay D=13±2mm, H=4 mounting plate only

K=5, for half overlay D=8±2mm, H=9 mounting plate only

K=5, for inset door, H=18 mounting plate only

Item No. Pcs/ctn
Soft-close **C81A806FAB** 100

Item No. Pcs/ctn
Soft-close **C81A806FAB** 100

Item No. Pcs/ctn
Soft-close **C81A806FAB** 100

Item No. Pcs/ctn
Soft-close **C81A806FAB** 100

PIVOT-STAR

C81 Series 110° Anyway Snap-on Soft-close Hinges with Spiral-cam



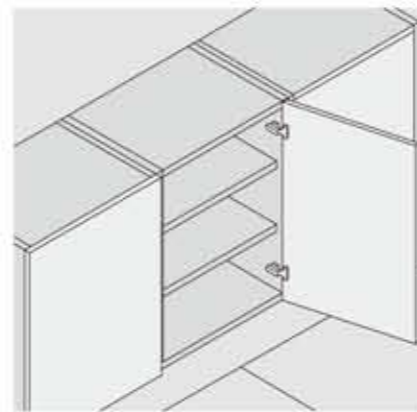
PRODUCT



DESCRIPTION

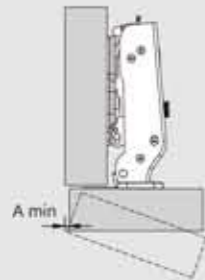
- Opening angle: 110°
- Drilling dimension on aluminium frame hinge head: 28mm
- Range of width of aluminium frame(V): 19-22mm

APPLICATION



PLANNING

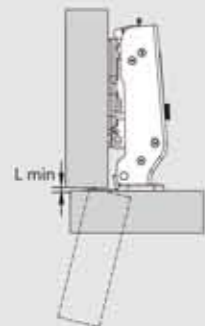
Space needed to open the door



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=Cup hole drilling distance from door edge

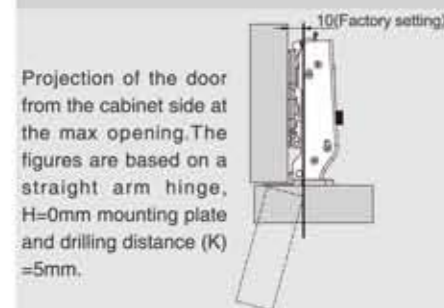
Space needed to open the door



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.

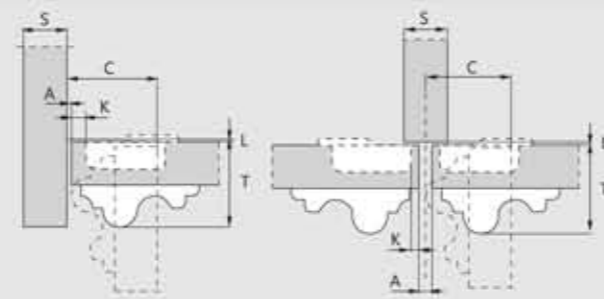
Projection of the door



"C" value

$$C = 20 + K + A$$

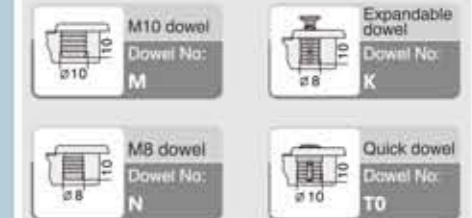
With this formula you can obtain the max thickness of the moulded door that can be opened without touching adjacent carcass sides, doors or walls, whilst bearing in mind the above L-K-T values.



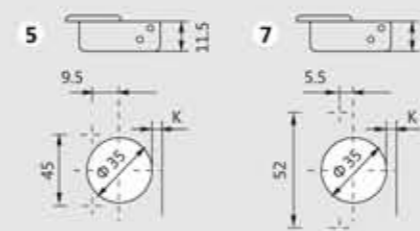
ORDER INFORMATION



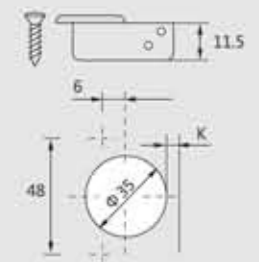
Options of screws and dowels:



Φ 35mm 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)

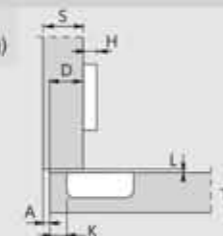
C81 series 110° anyway snap-on soft-close hinges with spiral-cam

Full overlay C=0



$$H = 12 + K - (D)$$

(Factory setting)



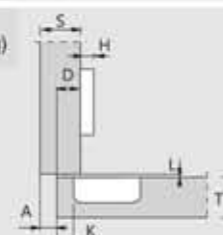
	Item No.	Pcs/ctn
Soft-close	C81A876FA	200

Half overlay C=9



$$H = 3 + K - (D)$$

(Factory setting)



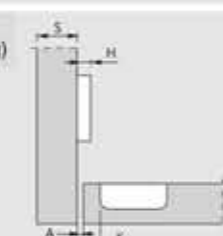
	Item No.	Pcs/ctn
Soft-close	C81B876FA	200

Inset C=18



$$H = -6 + K + (A)$$

(Factory setting)



	Item No.	Pcs/ctn
Soft-close	C81C876FA	200



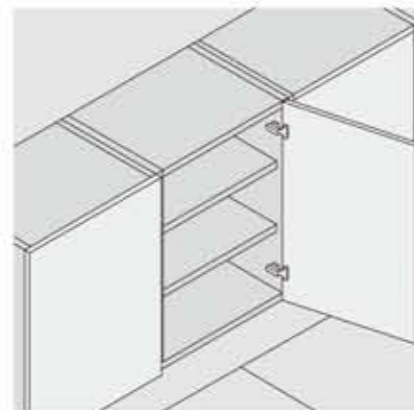
PRODUCT



DESCRIPTION

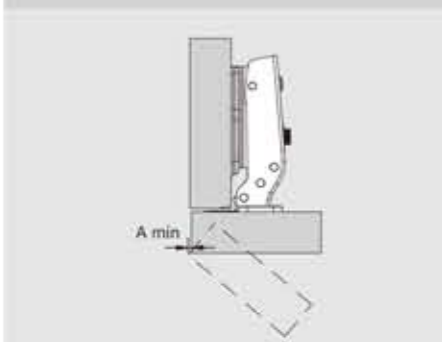
- Opening angle: 110°
- Depth of hinge cup: 11.5mm
- Diameter of hinge cup: 35mm
- Range of door thickness: 16-26mm
- Possible drilling distances on the door (K): 3-6 mm

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=Cup hole drilling distance from door edge

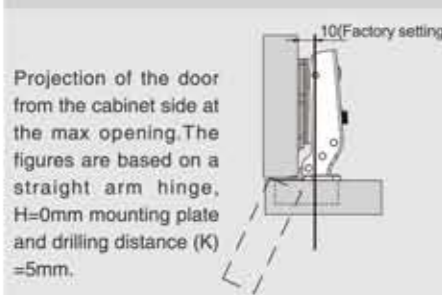
Space needed to open the door



	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.

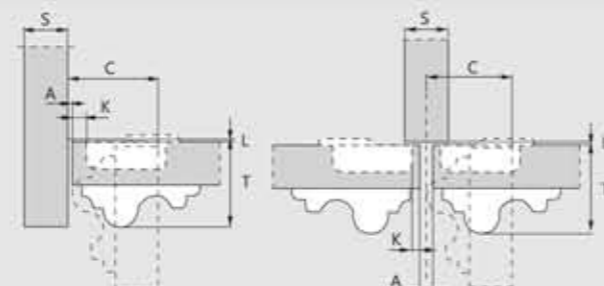
Projection of the door



"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.



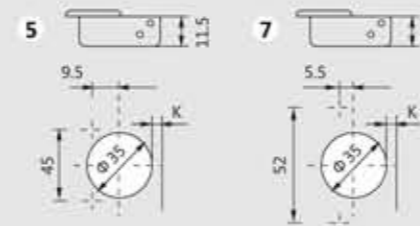
ORDER INFORMATION



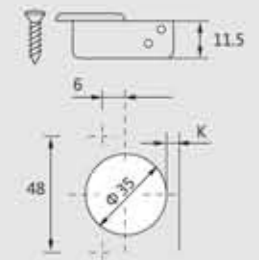
Options of screws and dowels:

M10 dowel Dowel No: M	Expandable dowel Dowel No: K
M8 dowel Dowel No: N	Quick dowel Dowel No: TO

Φ 35mm 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)

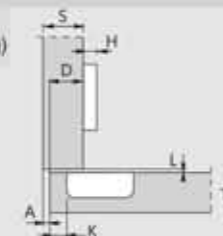
C81 series 110° soft-close hinges with two-hole integrated plate

Full overlay C=0



$$H = 12 + K - (D)$$

(Factory setting)



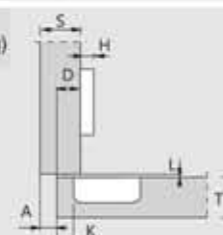
	Item No.	Pcs/ctn
Soft-close	C81A176F	200

Half overlay C=9



$$H = 3 + K - (D)$$

(Factory setting)



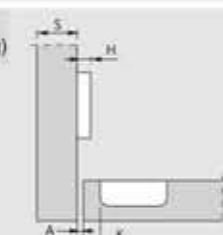
	Item No.	Pcs/ctn
Soft-close	C81B176F	200

Inset C=18



$$H = -6 + K + (A)$$

(Factory setting)



	Item No.	Pcs/ctn
Soft-close	C81C176F	200



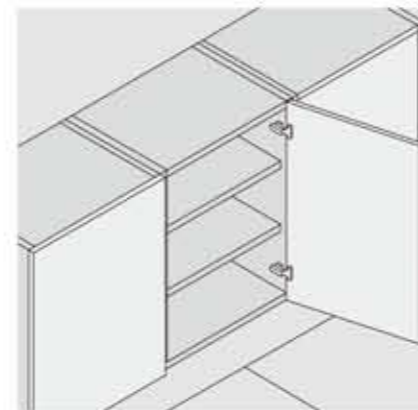
PRODUCT



DESCRIPTION

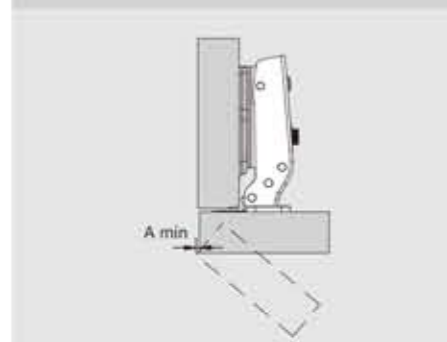
- Opening angle: 110°
- Depth of hinge cup: 11.5mm
- Diameter of hinge cup: 35mm
- Range of door thickness: 16-26mm
- Possible drilling distances on the door (K): 3-6 mm

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=Cup hole drilling distance from door edge

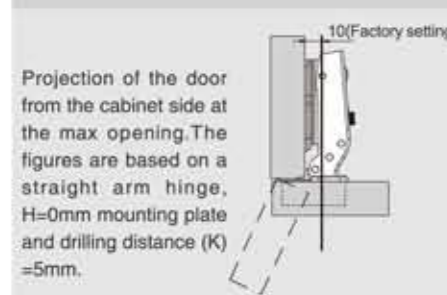
Space needed to open the door



	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.

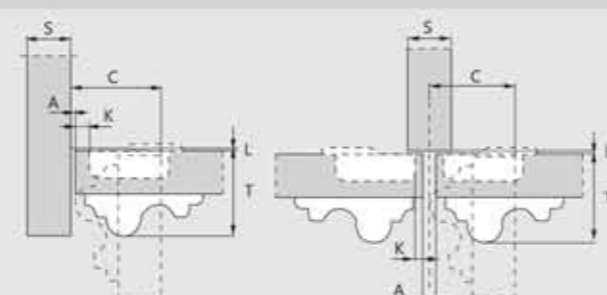
Projection of the door



"C" value

$C = 20 + K + A$

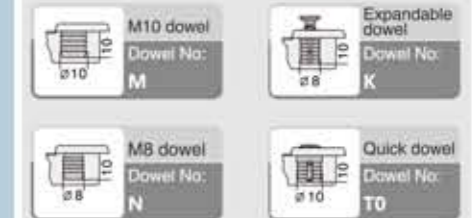
With this formula you can obtain the max thickness of the moulded door that can be opened without touching adjacent carcass sides, doors or walls, whilst bearing in mind the above L-K-T values.



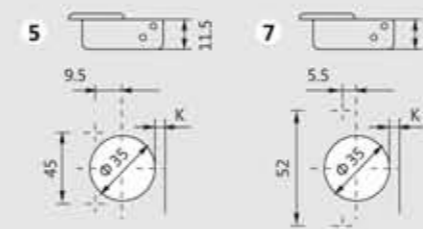
ORDER INFORMATION



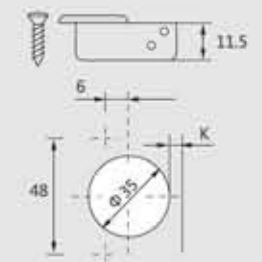
Options of screws and dowels:



Φ 35mm 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.



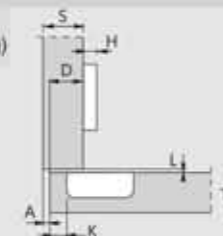
Nickel plated(A01) Titanium black(A08)

C81 series 110° soft-close hinges with four-hole integrated plate

Full overlay C=0



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

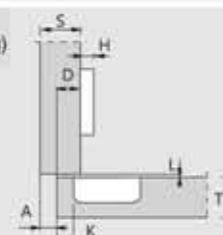


	Item No.	Pcs/ctn
Soft-close	C81A376F	200

Half overlay C=9



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

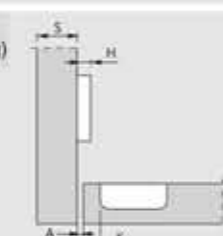


	Item No.	Pcs/ctn
Soft-close	C81B376F	200

Inset C=18



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



	Item No.	Pcs/ctn
Soft-close	C81C376F	200

ORDER INFORMATION

				E-28A screw	
Two-hole mounting plate					
		Pcs/ctn 200 Nickel plated(A01) Specially treated(A11)	Height of mounting plate H=0 H=2 H=4	Item No. 81H00AQA 81H20AQA 81H40AQA	
Four-hole mounting plate					
		Pcs/ctn 200 Nickel plated(A01) Specially treated(A11)	Height of mounting plate H=0 H=2 H=4	Item No. 81H00EQA 81H20EQA 81H40EQA	
Two-hole cam adjustable mounting plate					
		Pcs/ctn 200 Nickel plated(A01) Specially treated(A11)	Height of mounting plate H=0 H=2 H=4	Item No. 81T00TQA 81T20TQA 81T40TQA	
In-line cam adjustable mounting plate					
		Pcs/ctn 200 Nickel plated(A01) Specially treated(A11)	Height of mounting plate H=0 H=2 H=4	Item No. 81H00YQA 81H20YQA 81H40YQA	

		E-98Q3 screw		Euro screw		E983 screw		003E dowel	
Two-hole mounting plate									
		Item No. 81H01AQA 81H21AQA 81H41AQA		Item No. 81H02AQA 81H22AQA 81H42AQA		Item No. 81H04AQA 81H24AQA 81H44AQA			
Four-hole mounting plate									
		Item No. 81H01EQA 81H21EQA 81H41EQA		Item No. 81H02EQA 81H22EQA 81H42EQA		Item No. 81H04EQA 81H24EQA 81H44EQA			
Two-hole cam adjustable mounting plate									
		Item No. 81T01TQA 81T21TQA 81T41TQA		Item No. 81T02TQA 81T22TQA 81T42TQA		Item No. 81T04TQA 81T24TQA 81T44TQA			
In-line cam adjustable mounting plate									
				Item No. 81H02YQA105 81H22YQA105 81H42YQA105				Item No. 81H0MYQA 81H2MYQA 81H4MYQA	



ORDER INFORMATION

Opening angle restrictor / Industrial package

	Grey (H11)		
	Opening angle		85°
	Item No.		86S80
	Pcs/ctn		5000

Decoration cover for hinge cup

	Nickel plated(A01) Specially treated(A11)	Hinge cup 52mm center	Item No.	G30H
			Pcs/ctn	3000
	Nickel plated(A01) Specially treated(A11)	Hinge cup 42/45/48mm center	Item No.	G10H
			Pcs/ctn	3000

Decoration cover for hinge arm

	Nickel plated(A01) Specially treated(A11)	Item No.	S81H
		Pcs/ctn	5000

Wood screw

	Drilling $\phi 2$		Item No.	E-23A
			Pcs/ctn	20000
	Drilling $\phi 2$		Item No.	E-52
			Pcs/ctn	20000

Euro screw (For in-line mounting plate only)

		Item No.	E-81A
	Depth of entry into wood	Pcs/ctn	5000
		Item No.	E-81B
	Depth of entry into wood	Pcs/ctn	5000

DTC is always innovating!
For more information, please visit our website www.dtcdtc.com



PLANNING

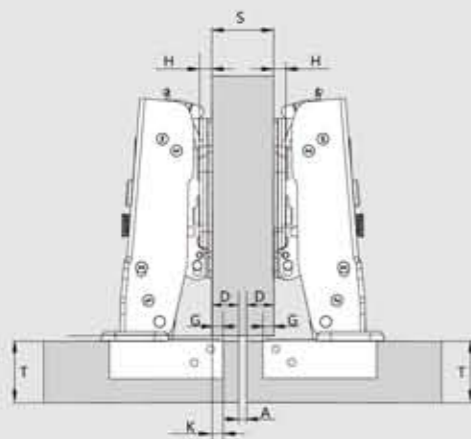
Application with full overlay door



- | | |
|-----------------------------------|----------------------------------|
| S = Thickness of the cabinet side | A = Reveal |
| D = Required door overlay | L = Gap between door and carcass |
| T = Door thickness | H = Height of the mounting plate |
| K = Drilling distance | 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 problem and avoid the need to stock too many different components.

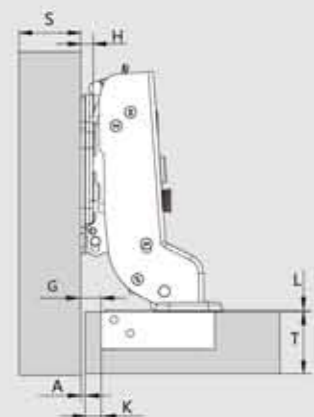
Application with half overlay door



- | | |
|-----------------------------------|----------------------------------|
| S = Thickness of the cabinet side | A = Reveal |
| D = Required door overlay | L = Gap between door and carcass |
| T = Door thickness | H = Height of the mounting plate |
| K = Drilling distance | 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 problem and avoid the need to stock too many different components.

Application with inset door

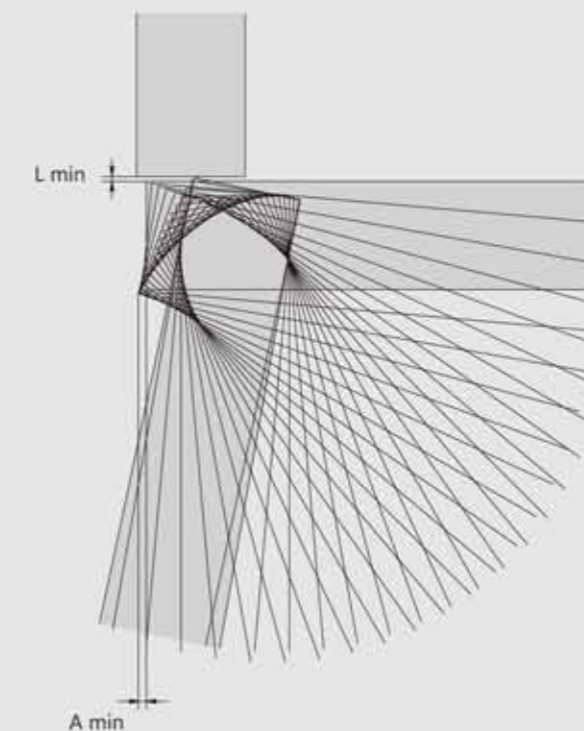


- | | |
|-----------------------------------|---|
| S = Thickness of the cabinet side | L = Gap between internal face of door and internal cabinet elements (e.g. shelves, drawers, etc.) |
| T = Door thickness | H = Height of the mounting plate |
| K = Drilling distance | A = Reveal |
| A = Reveal | G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

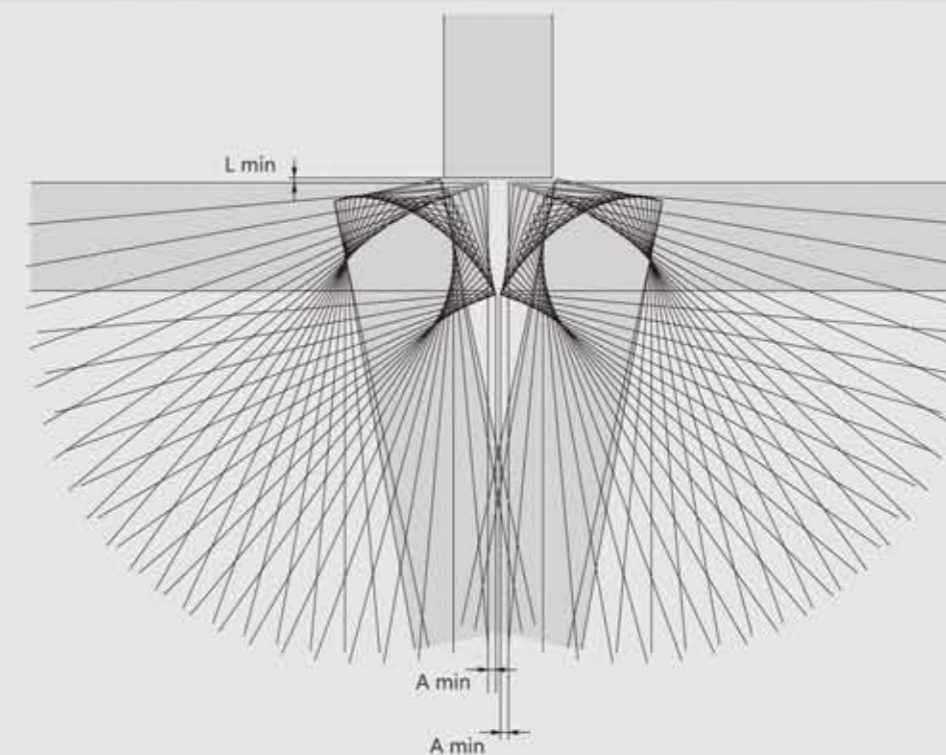
Whatever door overlay is required, you can select from our range the combination of both the type of hinge arm and the thickness of mounting plate necessary to solve your construction problem and avoid the need to stock too many different components.

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

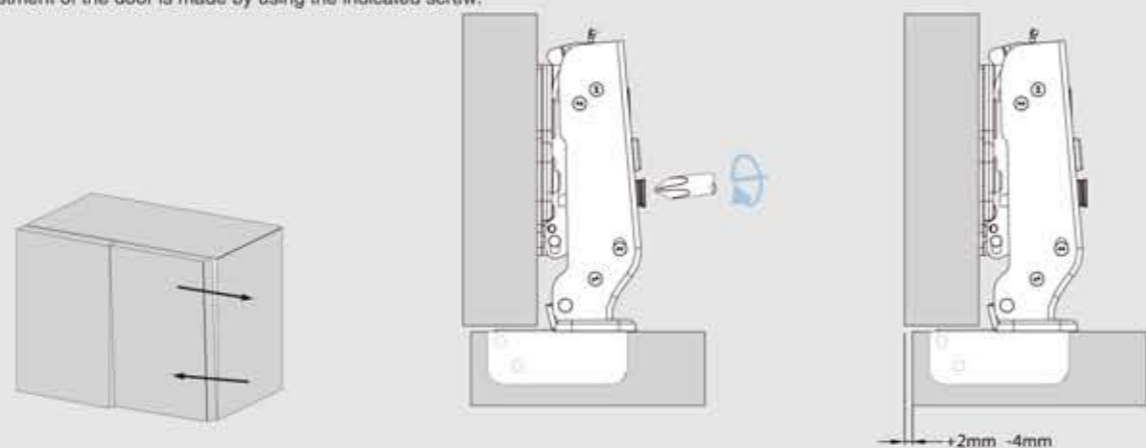
PIVOT-STAR Hinges Installation and Parameters



PLANNING

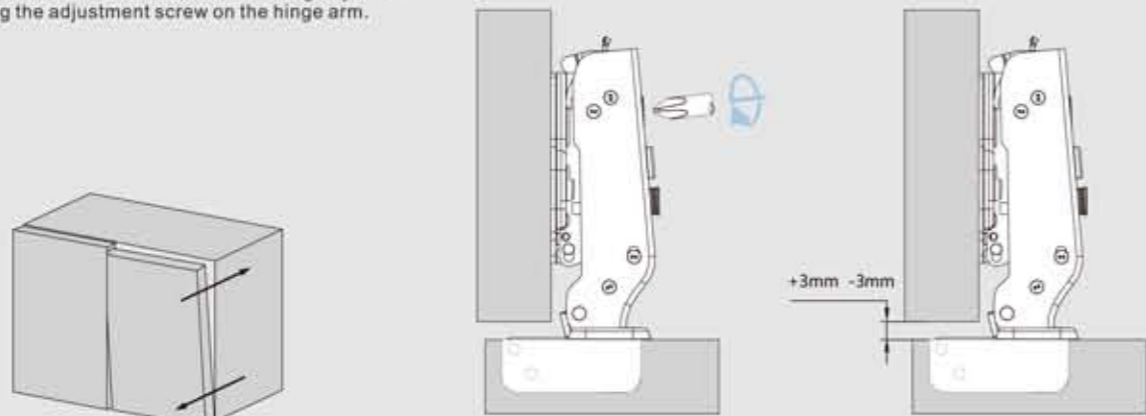
PIVOT-STAR side adjustment

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



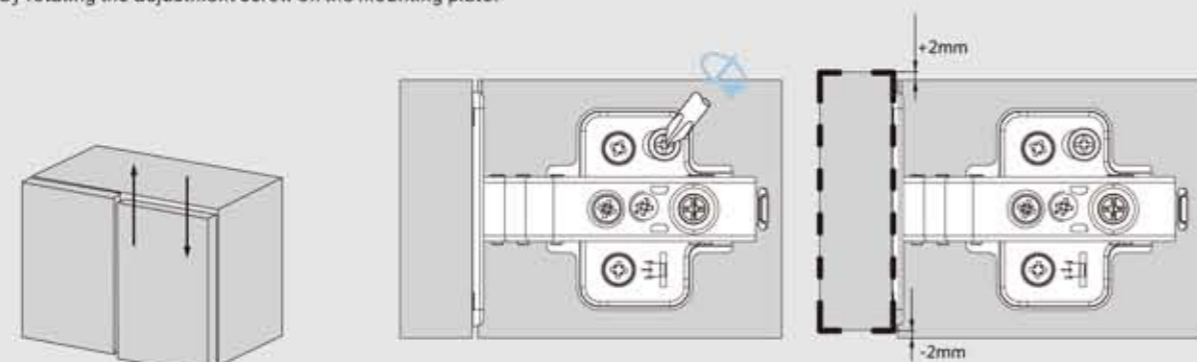
PIVOT-STAR depth adjustment

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.



PIVOT-STAR height adjustment

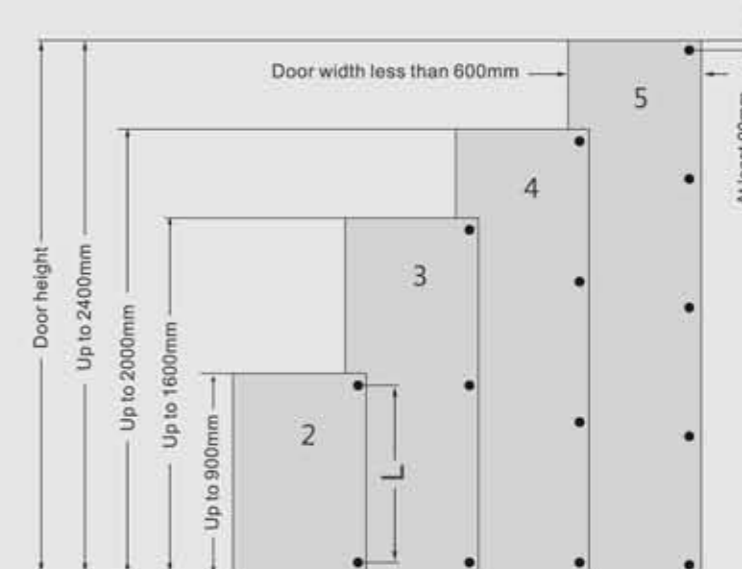
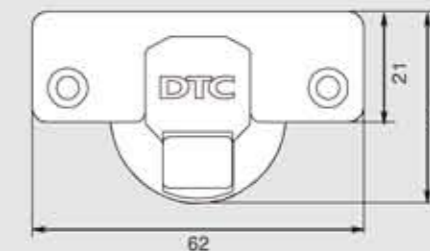
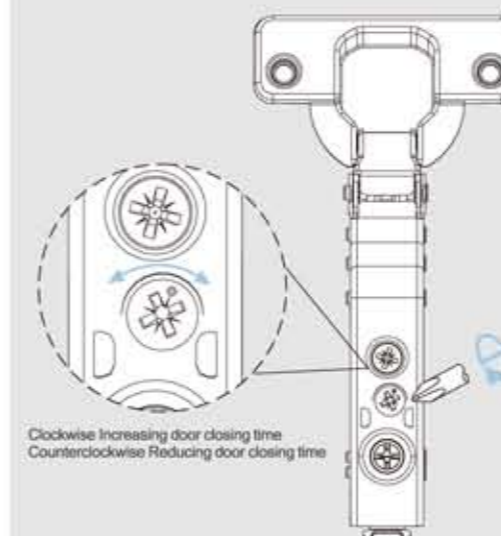
Height adjustment is made without loosening any screw. The door can be moved up or down by rotating the adjustment screw on the mounting plate.



PLANNING



Door closing speed adjustable



L = distance between hinges

Number of hinges needed for each door

The number of hinges needed for each door depends on the width of the door, the height of the door and the type of material the door is made of. It varies in particular practices. The hinge installation proposal listed above is only for your reference. Experiment is suggested in an uncertain situation. "L" volume shall be relatively large considering stability.

Adjustment

Side adjustment: -4mm→+2mm
Depth adjustment: -3mm→+3mm
Height adjustment: ±2mm

Mounting plates

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