PIVOT-STAR

C81 Series 110° Soft-close Hinges with Four-hole Integrated Plate



DTC
Global Quality Benchmark

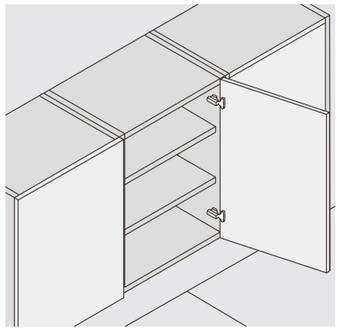
PRODUCT



DESCRIPTION

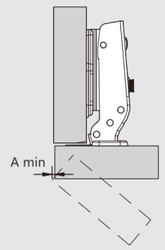
- Opening angle:110°
- Depth of hinge cup: 11.5mm
- Diameter of hinge cup: 35mm
- Range of door thickness: 16-26mm
- Possible drilling distances on the door(K): 3-6 mm

APPLICATION



PLANNING

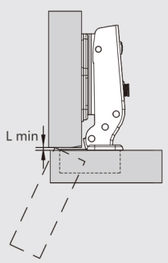
Space needed to open the door



	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

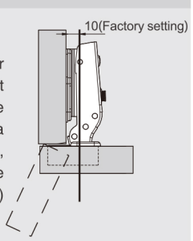


	T=	16	17	18	19	20	21	22	23	24	25	26
K=3	L=	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
K=4	L=	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.9	1.1
K=5	L=	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
K=6	L=	0.9	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0

- 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

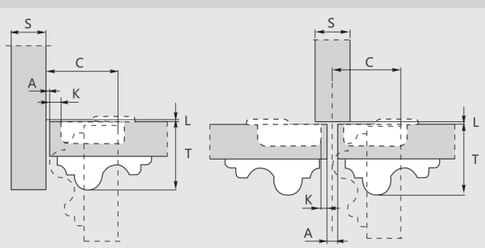
Projection of the door from the cabinet side at the max opening.The figures are based on a straight arm hinge, H=0mm mounting plate and drilling distance (K) =5mm.



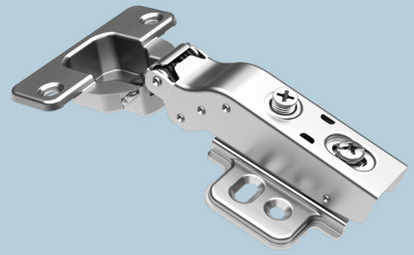
"C" value

C=20+K+ **A**

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



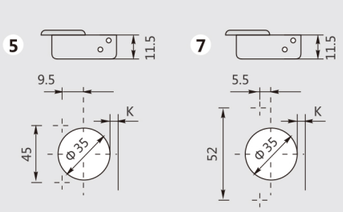
ORDER INFORMATION



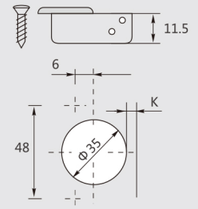
Options of screws and dowels:

M10 dowel Dowel No: **M**	Expandable dowel Dowel No: **K**
M8 dowel Dowel No: **N**	Quick dowel Dowel No: **T0**

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.



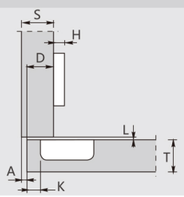
Nickel plated(A01) | Titanium black(A08)

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

Full overlay C=0



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

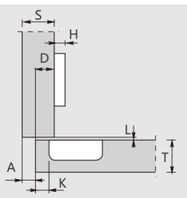


	Item No.	Pcs/ctn
Soft-close	**C81A376F**	200

Half overlay C=9

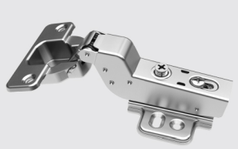


H=3+K-(D) (Factory setting)

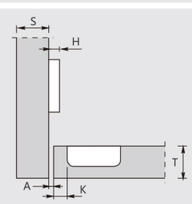


	Item No.	Pcs/ctn
Soft-close	**C81B376F**	200

Inset C=18

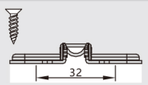
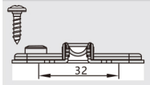
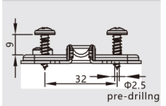
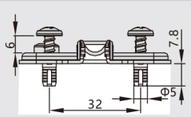
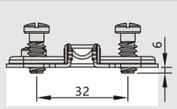
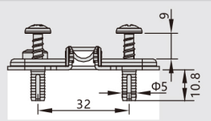
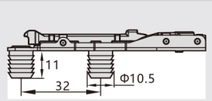
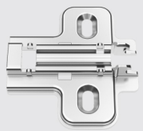
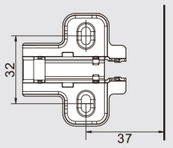
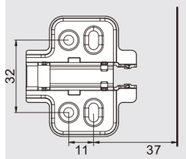
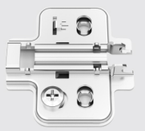
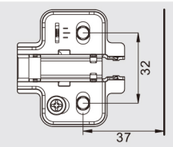
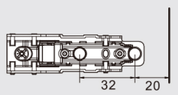


H=-6+K+(A) (Factory setting)



	Item No.	Pcs/ctn
Soft-close	**C81C376F**	200

ORDER INFORMATION

		E-28C screw	E-28A screw	E-98Q3 screw	Euro screw	E983 screw	003E dowel
							
Two-hole mounting plate							
  Pcs/ctn 200 Nickel plated(A01) Titanium black(A08)	Height of mounting plate	Item No.		Item No.	Item No.	Item No.	
	H=0	81H00AQA		81H01AQA	81H02AQA	81H04AQA	
	H=2	81H20AQA		81H21AQA	81H22AQA	81H24AQA	
	H=4	81H40AQA		81H41AQA	81H42AQA	81H44AQA	
Four-hole mounting plate							
  Pcs/ctn 200 Nickel plated(A01) Titanium black(A08)	Height of mounting plate	Item No.		Item No.	Item No.	Item No.	
	H=0	81H00EQA		81H01EQA	81H02EQA	81H04EQA	
	H=2	81H20EQA		81H21EQA	81H22EQA	81H24EQA	
	H=4	81H40EQA		81H41EQA	81H42EQA	81H44EQA	
Two-hole cam adjustable mounting plate							
  Pcs/ctn 200 Nickel plated(A01) Titanium black(A08)	Height of mounting plate	Item No.	Item No.	Item No.	Item No.	Item No.	
	H=0	81T00TQA	81T0PTQA	81T01TQA	81T02TQA	81T04TQA	
	H=2	81T20TQA	81T2PTQA	81T21TQA	81T22TQA	81T24TQA	
	H=4	81T40TQA	81T4PTQA	81T41TQA	81T42TQA	81T44TQA	
In-line cam adjustable mounting plate							
  Pcs/ctn 200 Nickel plated(A01) Titanium black(A08)	Height of mounting plate	Item No.			Item No.		Item No.
	H=0	81H00YQA			81H02YQA105		81H0MYQA
	H=2	81H20YQA			81H22YQA105		81H2MYQA
	H=4	81H40YQA			81H42YQA105		81H4MYQA