

C81 Pivot Star 45 Degree Cross Corner Soft-Close

Product Features




- New improved design and engineering
- Enhanced soft-close
- Relaxed opening with stronger catch
- 2-way cam adjust
- Depth of hinge cup: 11.5mm
- Diameter of hinge cup: 35mm
- Range of door thickness: 16-26mm
- Range of drilling distance (TAB/K): 3-6mm

Product Description

The award-winning DTC C-81 Pivot Star hinge is the world's first speed adjustable soft-close hinge. A new snap-on design speeds installation and creates a more solid connection between hinge and mounting plate. The C-81 Pivot Star is not just for the kitchen. Installing these premium hinges throughout the home avoids the unwanted noise of closing a cabinet door with the ability to adjust

45 Degree Cross Corner

	Part#	Mounting	Qty
	105-C81-E675F	Screw-On	200/Box
	105-C81-E675NF	Press-In Dowel	200/Box

Inline Plates

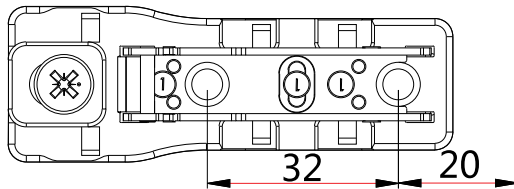
	Part#	Mounting	Qty
	105-81H00YQ	0mm Inline Cam Adjust Plate	600/Box
	105-81H20QY	2mm Inline Cam Adjust Plate	600/Box

Winged Plates

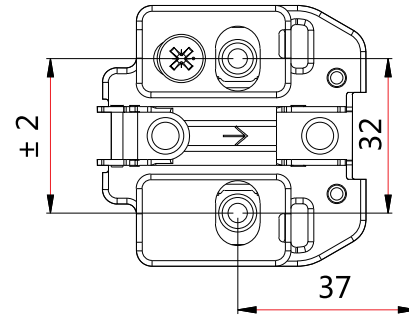
	Part#	Mounting	Qty
 	105-81T00TQ	0mm Winged Cam Adjust Plate	600/Box
	105-81T20TQ	2mm Winged Cam Adjust Plate	600/Box
	105-81T02TQ	0mm Winged Cam Adjust Plate with Euro screws	600/Box
	105-81T22TQ	2mm Winged Cam Adjust Plate with Euro screws	600/Box



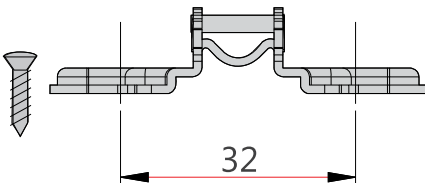
Inline Plate Specifications



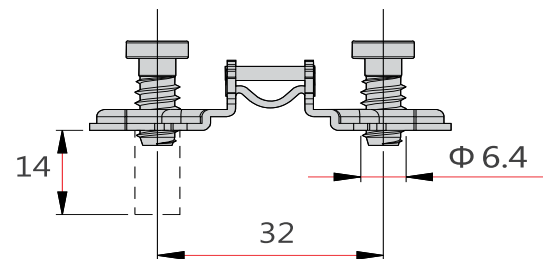
Winged Plate Specifications



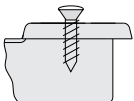
Screw On Plate Specification



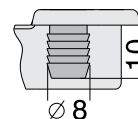
Euro-Screw Specification



Screw or Dowels Option Specifications

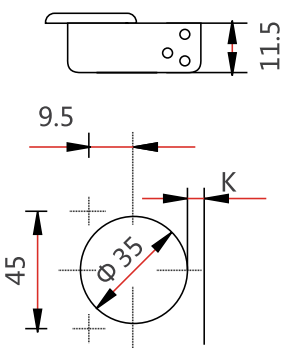


#6 or #5 and 5/8 recommended for this application



M8 Dowel Included in the ordering of this application refer to ordering "NF" Series of hinges

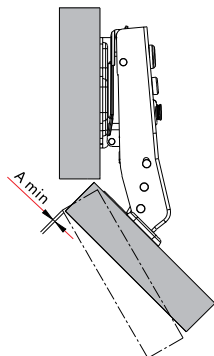
35mm Hinge Cup Patterns



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

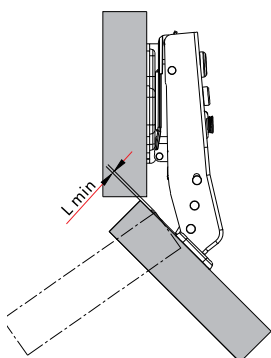


Speed Needed to Open the Door



	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.

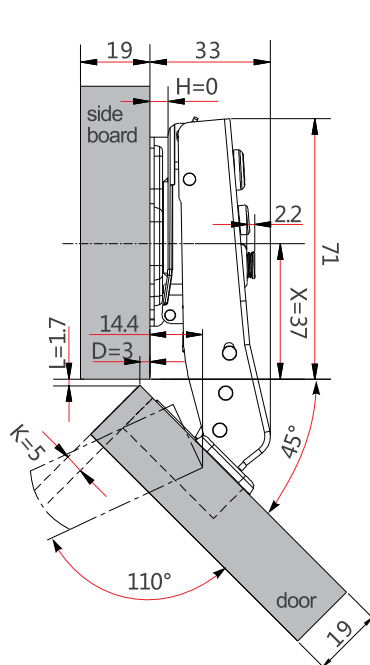


	T=	16	17	18	19	20	21	22	23	24	25	26
K=3	L=	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
K=4	L=	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.9	1.1
K=5	L=	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
K=6	L=	0.9	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0

- The above values are calculated on the assumption that the doors have square edges.

- They are reduced if the doors have radiused edges.

Adjustment Range



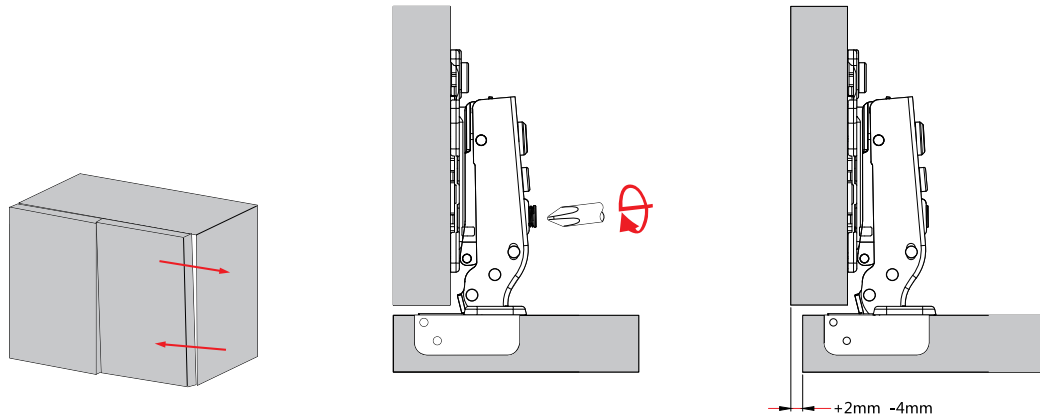
Adjustment range of
L -0.5 ↔ +3

Adjustment range of D+2 ↔ -4



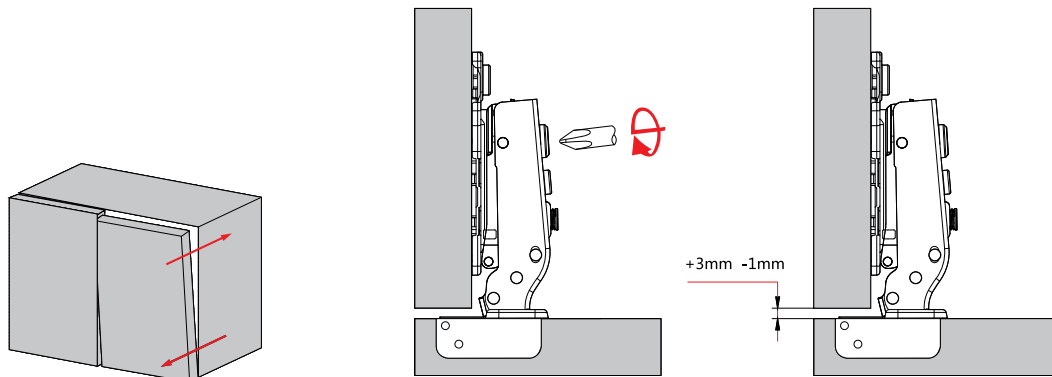
Side Adjustment

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



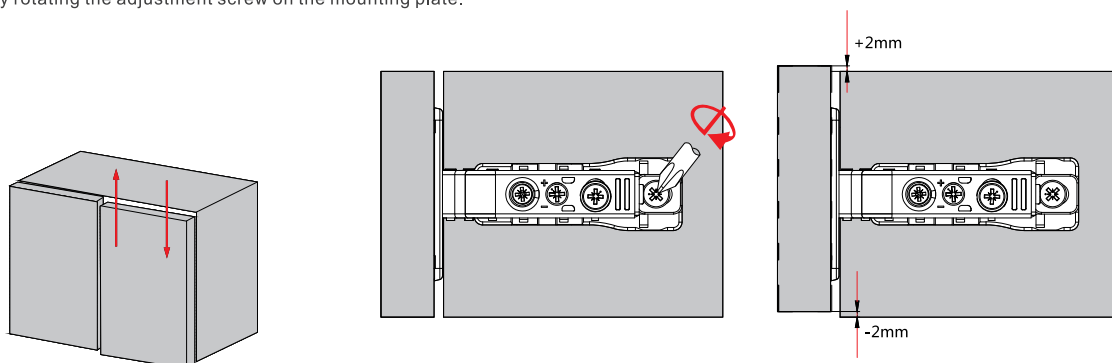
Depth Adjustment

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.



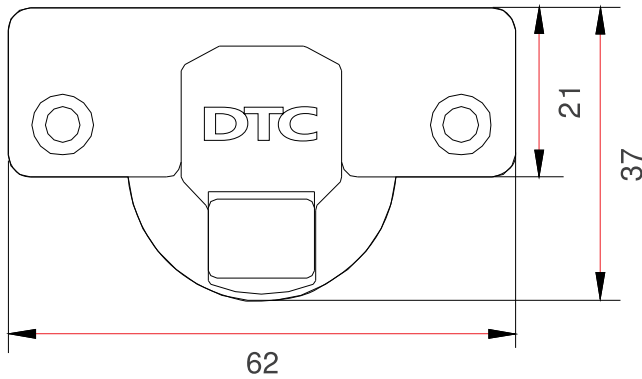
Height Adjustment

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.





C81 Pivot Star Hinge Cup Dimensions

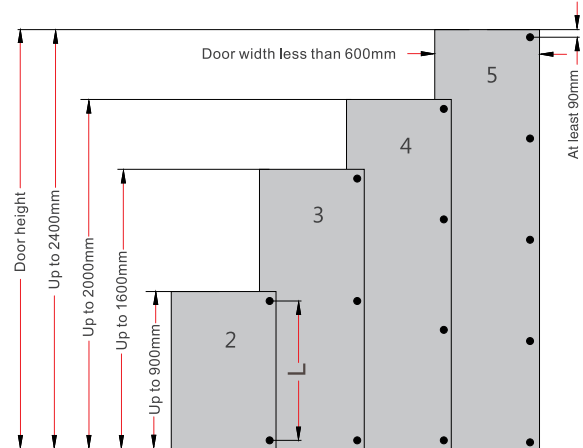


L = distance between hinges

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.

Door Drilling Dimension Recommendations



Adjustment

Side adjustment: -4mm~+2mm

Depth adjustment: -1~+3mm

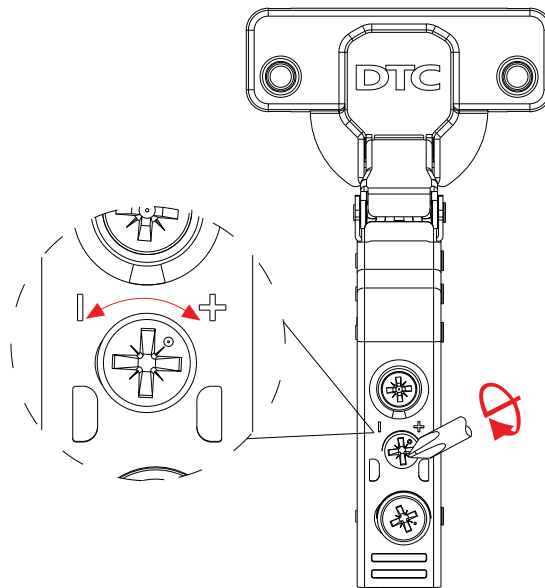
Height adjustment: ± 2 mm

Mounting plates

Two-hole and four-hole mounting plates

Standard and in-line cam adjustable mounting plates

Door Speed Adjustment



"-" Reducing door closing time

"+" Increasing door closing time