

# CONCEALED HINGE

## SOFT CLOSE OR PUSH OPEN HINGE - LAPIS



Cod.C21VA99

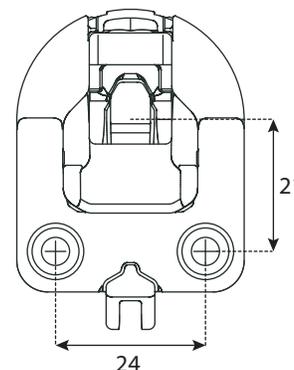
### Installation guide

#### Product

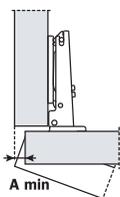


#### Description

- Opening degree: 94°
- Bore depth: 5/8"
- Cup diameter: 1-3/8"
- Glass thickness: 3/4" - 1-3/8"
- Drilling distances (K) : 1/8" - 1/4"
- Max. dimensions of the door: 82-11/16"
- For use on cabinet / closet doors wood or aluminum

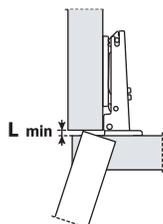


#### Space needed to open the door



	T=	16	17	18	19	20	21	22	23	24	25	26
K=3	A=	0.7	0.9	1.1	1.3	1.6	1.9	2.2	2.6	3.2	4.4	5.7
K=4	A=	0.6	0.8	1.1	1.3	1.6	1.8	2.2	2.5	2.9	3.4	4.7
K=5	A=	0.6	0.8	1.0	1.3	1.5	1.8	2.1	2.4	2.8	3.2	3.7
K=6	A=	0.6	0.8	1.0	1.2	1.5	1.8	2.1	2.4	2.7	3.1	3.6

- T=Door thickness
- K=Cup hole drilling distance from door edge

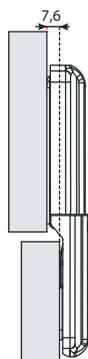


	T=	16	17	18	19	20	21	22	23	24	25	26
K=3	L=	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.9
K=4	L=	0.0	0.0	0.0	0.3	0.5	0.7	0.9	1.1	1.4	1.6	1.8
K=5	L=	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1	2.4	2.6	2.8
K=6	L=	1.5	1.8	2.0	2.2	2.4	2.7	2.9	3.1	3.3	3.6	3.8

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

#### Projection of the door

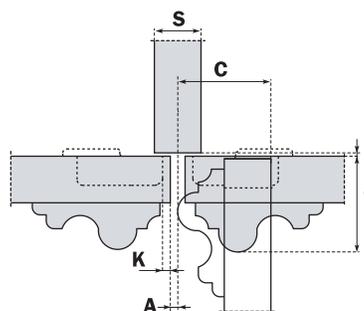
Projection of the door from the cabinet side at the max opening. The figures are based on a straight arm hinge, H=0mm thickness of mounting plate and K, value =3mm.



#### "C" value

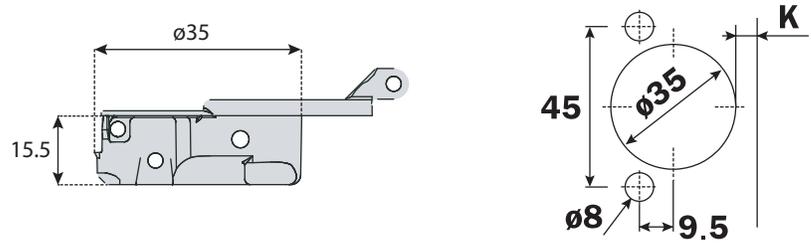
With this formula you can obtain the max. Thickness of the moulded door that can be opened without touching adjacent carcass sides, doors or walls, whilst bearing in mind the above L-K-T values.

$$C=23 + K + A$$



## Ø 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" which is necessary to solve each application problem.



## Soft stop system hinge 110°

Inset C=0

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$$H = 15 + K - (D)$$

