



Hinge 165 Inset Clip-On Dowels

Part Number: 105-C505N

DTC Inset Hinge with Clip-On Dowels - 165°

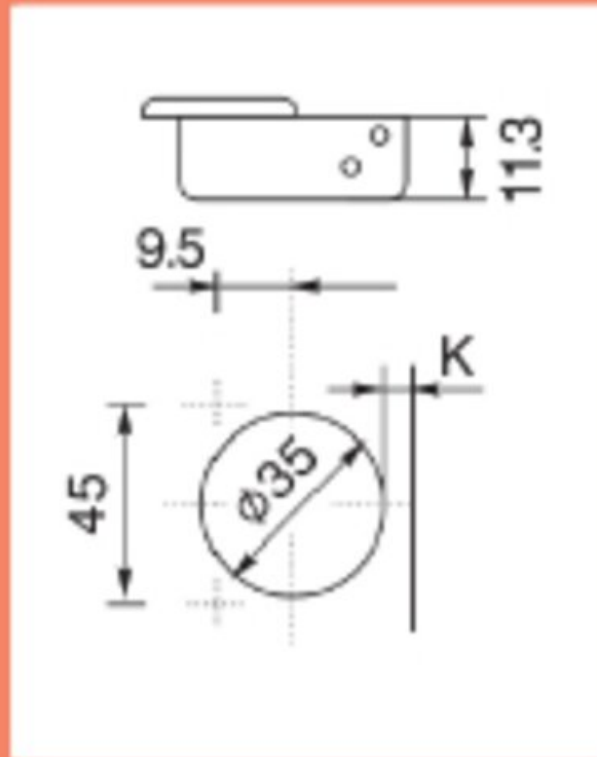
165 degree self-closing hinge with inset clip-on dowels.

Angle	165
Application Type	Inset
Closing Type	Self-Close
Cup Type	45mm Standard Pattern
Door Type	Standard Door
Finish	Nickel
Hinge Cup Depth	11.3 mm
Hinge Cup diameter	35 mm
Hinge Door Drilling Distance	3-8 mm
Hinge Door Thickness	14-26 mm
Hinge Type	Clip-On
Material	Steel
Mounting Type	Dowel (8mm)
Plate Type	Compatible with DTC Self-Close Clip-On Plates only



Hinge Cup Patterns

45mm -
Standard
Pattern

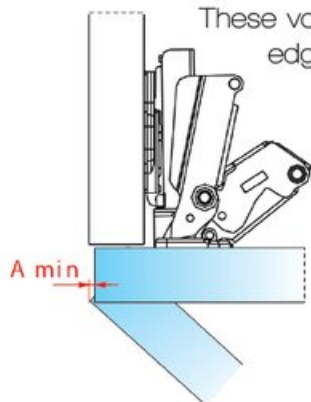


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Technical Documents

Space needed to open the door

These values are calculated on the assumption that the doors have square edges. They must be reduced if the doors have radiused edges.



No gap is required when "T" is 22mm or less. A trial assembly is recommend when "T" is more than 22mm or when a stop-per is used on the door.

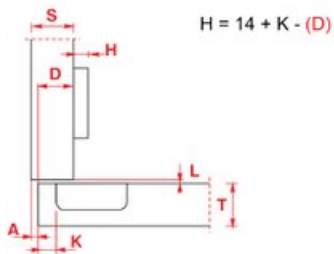
T=	14	15	16	17	18	19	20	21	22	23	24	25	26
K=3 A=	0	0	0	0	0	0	0	0	0	0.2	0.6	1.1	4.4
K=4 A=	0	0	0	0	0	0	0	0	0	0.3	0.7	2.4	3.6
K=5 A=	0	0	0	0	0	0	0	0	0	0.3	0.9	2.0	2.9
K=6 A=	0	0	0	0	0	0	0	0	0	0.3	0.8	1.5	2.3
K=7 A=	0	0	0	0	0	0	0	0	0	0.2	0.6	1.2	1.9
K=8 A=	0	0	0	0	0	0	0	0	0	0.2	0.5	1.0	1.6

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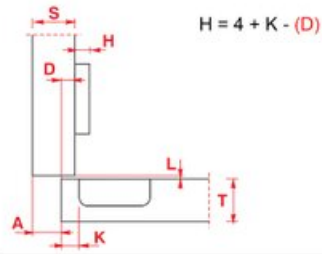


Technical Documents

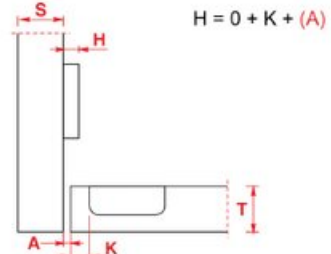
Full Overlay



Half Overlay



Inset

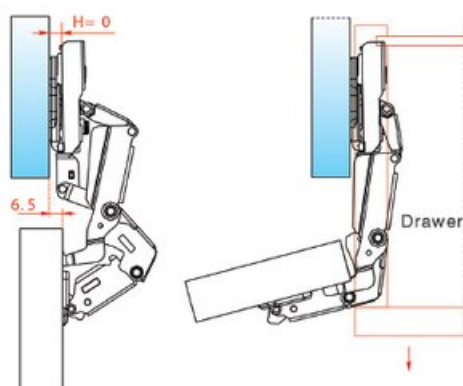


Use these formulas to determine the type of hinge arm, the drilling distance "K" and the height of the mounting plate "H" for each door application. Please refer to page B-4 for abbreviations and information on how to interpret these drawings.

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Technical Documents**Protrusion**

The hinge when combined with a 0mm height mounting plate, opens at 90° with a 6.5mm protrusion while at maximum opening angle would enable internal pullouts and drawers to move freely out from inside the cabinet.



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