

Glidex-Sys™ 105° Monobloc Concealed Hinge with Integrated In-line Plate

Engineering model **GSM105**. A monobloc concealed hinge for standard wood doors, integrating the in-line mounting plate and cabinet-side fixings into one installation-ready assembly.

105° OPENING ANGLE	16–25 mm DOOR THICKNESS	Ø35 mm CUP DIAMETER	12.5 mm CUP DEPTH	K 3–7 mm CUP DISTANCE
------------------------------	-----------------------------------	-------------------------------	-----------------------------	---------------------------------

Glidex-Sys™ fluid control

Cushioned opening, free-stop hold 45–105°, dual-valve damped close and small-angle soft-close below 10°.

Integrated in-line plate

Plate and pre-installed cabinet fixings are part of the hinge; no separate plate to specify.

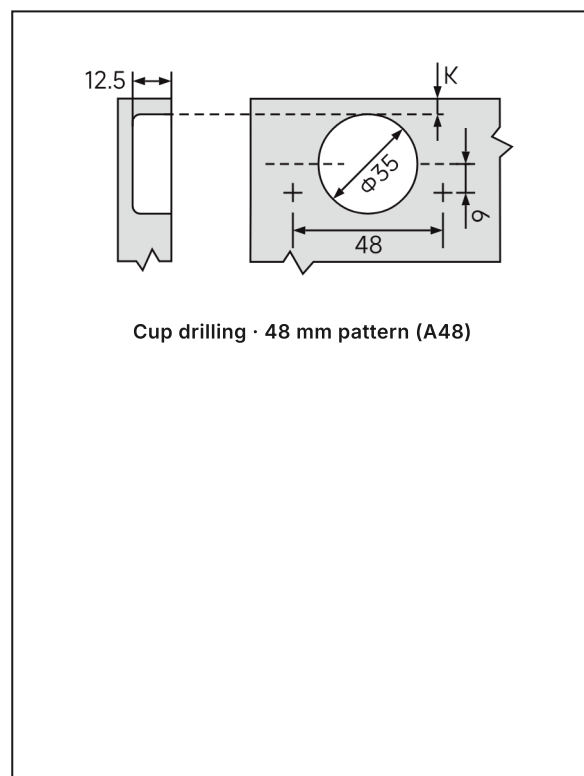
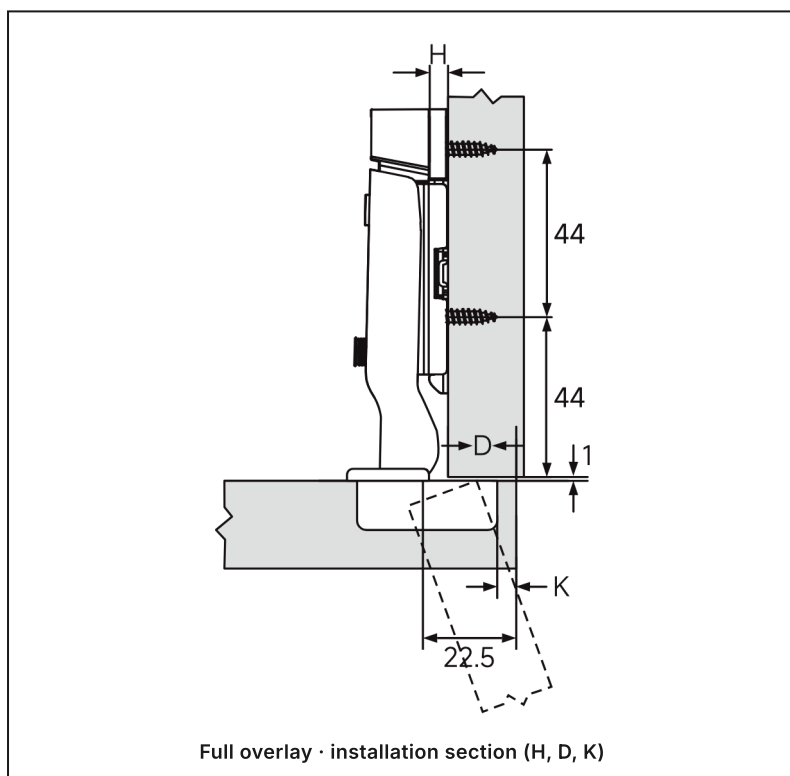
Three-axis adjustment

Height ± 2.5 mm · overlay ± 3 mm · door gap ± 3.5 mm.

SELECTION

Application	Full overlay	Half overlay	Inset
Selection No.	105GMF	105GMH	105GMI

Cup drilling (door preparation, not an overlay type): **A45** = 45 mm fixing-hole spacing, 9.5 mm offset · **A48** = 48 mm, 6 mm · **A52** = 52 mm, 5.5 mm.
Selection No. + drilling code = hinge body order no., e.g. **105GMF45** · **105GMH48** · **105GMI52**.



SPECIFICATION

Material	Steel	Surface	Nickel plated
Function	Glidex-Sys™ · monobloc construction · three-axis adjustment	Overlay	Full · Half · Inset
Cup drilling	Ø35 × 12.5 mm · K 3–7 mm · patterns A45 / A48 / A52	Adjustment	Height ± 2.5 mm · overlay ± 3 mm · door gap ± 3.5 mm
Mounting	Integrated in-line plate, pre-installed fixings	Hold range	Free-stop hold 45–105°

REQUIRED OVERLAY D (MM) · FULL OVERLAY 105GMF · $H = 12 + K - D$

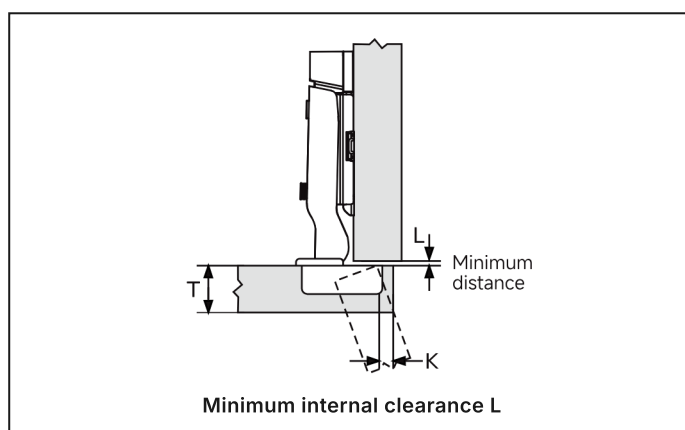
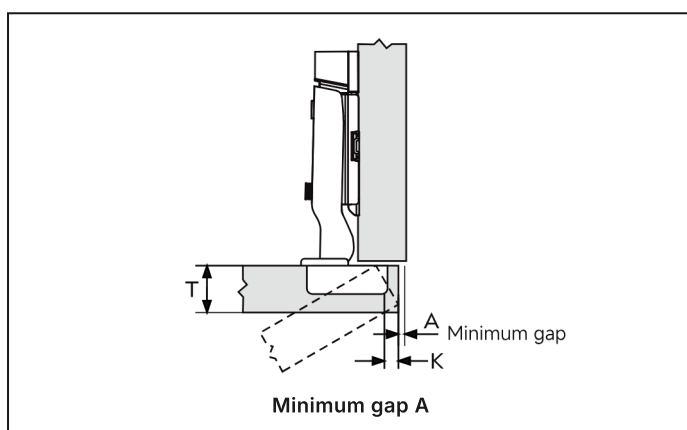
H ↓ / K →	3	4	5	6	7
0	15	16	17	18	19

REQUIRED OVERLAY D (MM) · HALF OVERLAY 105GMH · $H = 3 + K - D$

H ↓ / K →	3	4	5	6	7
0	6	7	8	9	10

REQUIRED REVEAL A (MM) · INSET 105GMI · $H = -7 + K + A$

H ↓ / K →	3	4	5	6	7
0	4	3	2	1	0



MINIMUM GAP A (MM) · K ↓ / T →

	15	16	17	18	19	20	21	22	23	24	25
3	0.5	0.7	0.9	1.1	1.4	1.5	1.7	2.0	2.2	2.6	3.3
4	0.5	0.7	0.9	1.1	1.2	1.3	1.7	1.9	2.1	2.5	3.0
5	0.4	0.6	0.8	1.0	1.2	1.3	1.6	1.8	2.0	2.3	2.7
6	0.4	0.5	0.7	0.9	1.1	1.2	1.5	1.8	2.0	2.3	2.6

MINIMUM INTERNAL CLEARANCE L (MM) · K ↓ / T →

	15	16	17	18	19	20	21	22	23	24	25
3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.2
6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.4	1.6

COMPATIBLE COMPONENTS

Mounting plates	Integral to the hinge; no separate plate
Covers	Cup cover 01C · arm cover full / half overlay 09A · inset 10A
Fixings	Chipboard screw K4X16 · Euro screws ES-6.3×10 / 6.3×13 / 6.3×14 · M8 / M10 dowels and S32 bridge dowels per panel type
Accessories	90° restrictor XW-90-A · drilling template KA02

Use only the listed K / T combinations; for other values or plate heights, request application verification. Values apply to doors with a 1 mm edge radius. Cycle performance verified to EN 15570 (see catalogue). Catalogue pp. 14–15; installation and adjustment in the TERQ Technical Manual. Installation drawings: TERQ_Installation_Drawings_GSM105_v2026.1.zip.