



Folder 90

Folder 90 • Double hinged door • 94° opening

System for concertina doors

- Max opening 94°
- Automatic opening and closing action controlled by silicon oil dampers and by a magnetic damper for a smooth and gently decelerated movement
- Fixing of the doors to the cabinet side with external SILENTIA+ hinges or with recessed CONECTA 94° hinges

SILENTIA+ Series 200 94° version

- The track can be assembled under the bottom panel or on the top of the cabinet for column units, wardrobes, base units and wall units.
- Adjustment of the closing speed of the doors
- Fully adjustable in three directions

Technical information

- Thickness of wooden door with SILENTIA+ (series 200 94°) hinges:
from 19 mm to 25 mm (K=4, K=5)
- Width of each single wooden door:
from 350 mm to 600 mm
- Door height:
 - Min. 600 mm
 - Max. 2800 mm
- Formula to determine the min. door height
 $HA \text{ Min.} = (4 \times TL) / 3$
 Example:
 $TL = 600$
 $HA \text{ Min.} = 800$
 $(4 \times 600) / 3 = 800$
- Cabinet depth ≥ 350 mm

HA = Door height
TL = Door width

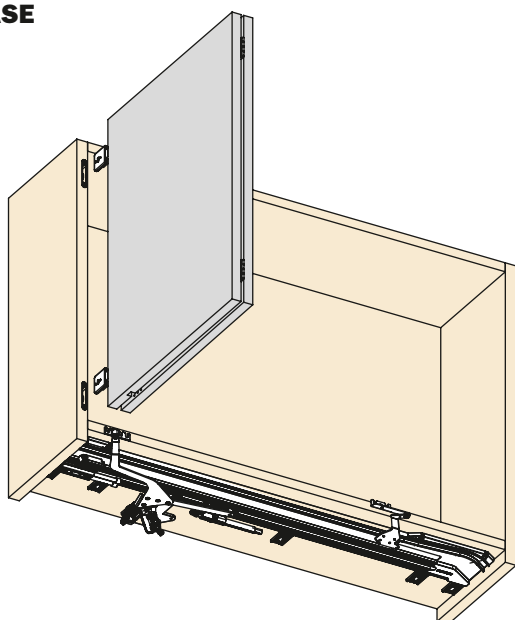
CONECTA 94° version

- The track can be assembled under the bottom panel or on the top of the cabinet for column units, wardrobes, base units and wall units.
- Adjustment of the closing speed of the doors
- Fully adjustable in three directions

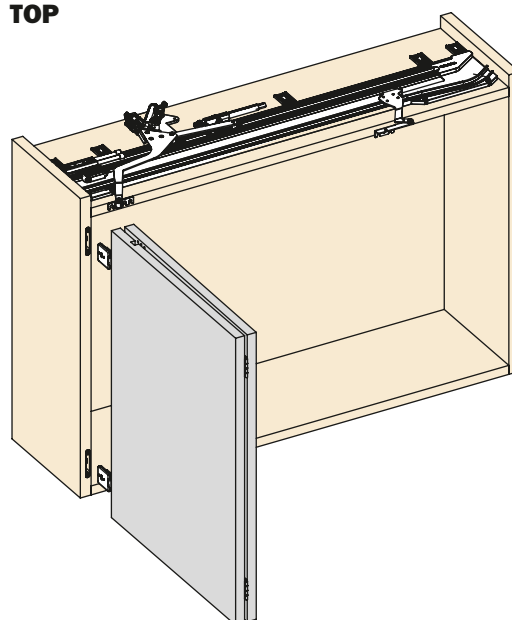
Technical information

- Thickness of wooden door with CONECTA 94° hinges:
25 mm
- Width of each single wooden door:
from 350 mm to 600 mm
- Width of each single aluminium-framed door:
from 350 mm to 600 mm
- Door height:
 - Min. 600 mm
 - Max. 2800 mm
- Formula to determine the min. door height
 $HA \text{ Min.} = (4 \times TL) / 3$
 Example:
 $TL = 600$
 $HA \text{ Min.} = 800$
 $(4 \times 600) / 3 = 800$
- Cabinet depth ≥ 330 mm

BASE



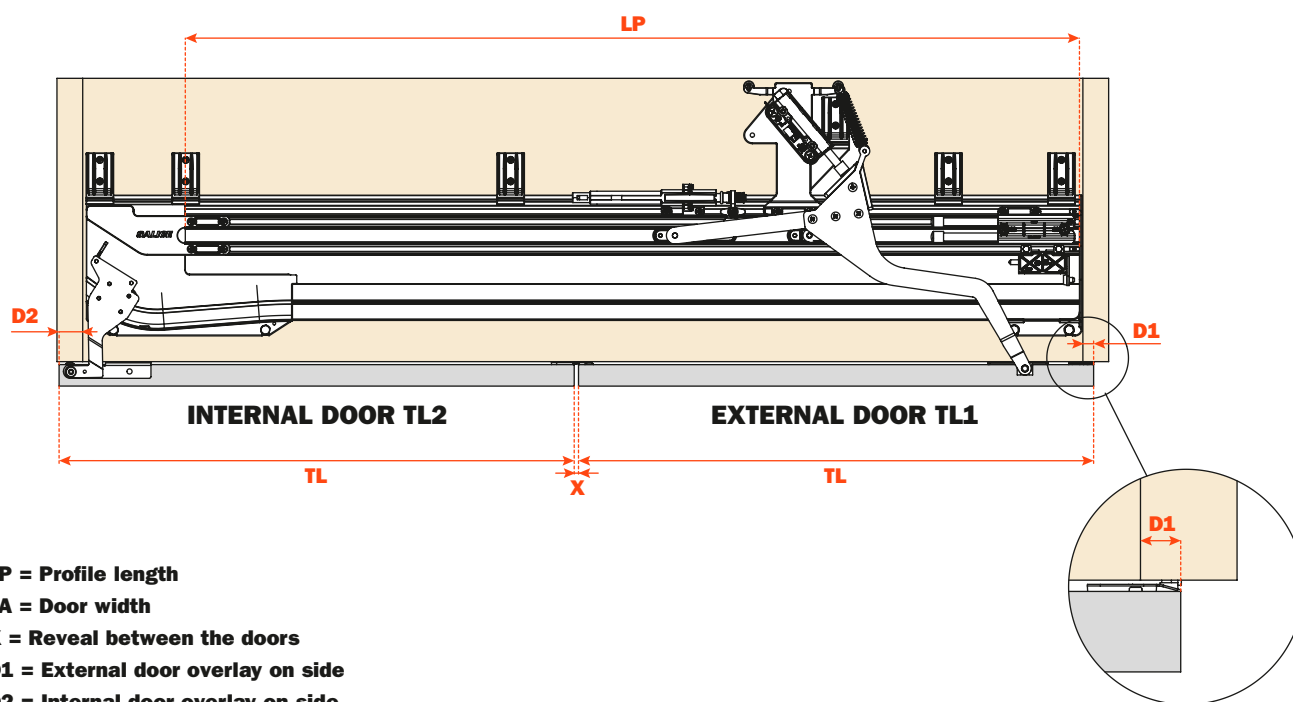
TOP



Formula to determine the length of the profile to be cut

CONECTA 94° HINGES $LP = (2 \times TL) + X - D1 - 151.5 \text{ mm}$

SILENTIA+ 94° HINGES $LP = (2 \times TL) + X - D1 - 138.7 \text{ mm}$



LP = Profile length

LA = Door width

X = Reveal between the doors

D1 = External door overlay on side

D2 = Internal door overlay on side

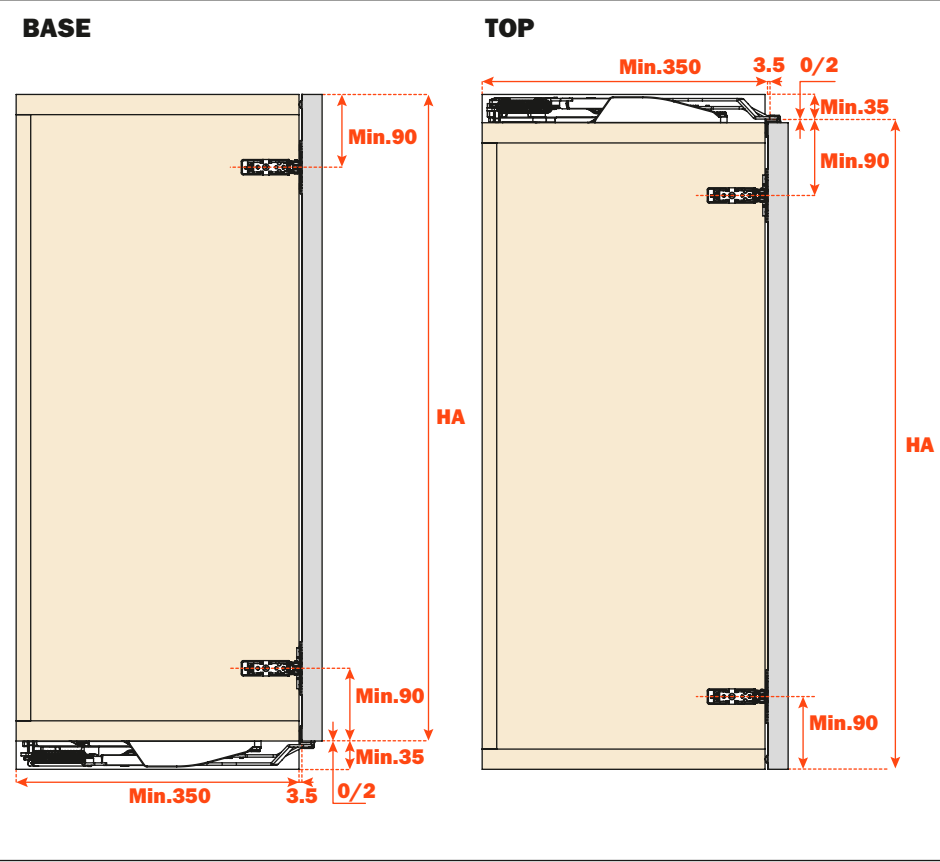
Chart to determine the number of hinges

SILENTIA+ 94° HINGES AND CONECTEA 94° HINGES					
2 x DOOR WIDTH LA (mm)	DOOR HEIGHT HA (mm)	MAX. WEIGHT FOR TWO DOORS (Kg)	NUMBER OF HINGES	MAX. WEIGHT FOR TWO DOORS (Kg)	NUMBER OF HINGES
700 - 1200	600 - 800	10	2		
	801 - 1200	15	3		
	1201 - 1600	20	4	25	5
	1601 - 2000	30	5	35	6
	2001 - 2400	35	5	40	6
	2401 - 2800	40	5	50	6

- Formula to determine the min. door height HA Min. = $(4 \times TL) / 3$ Example: TL = 600 HA Min. = 800

Folder 90 • SILENTIA+ 94° HINGES AND CONECTA 94° HINGES

Space required to accommodate the system and position of the SILENTIA+ 94° HINGES

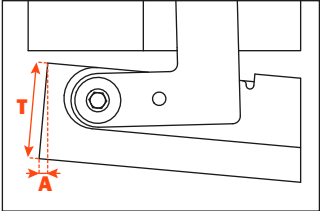


HA = Door height

D1 = Door overlay on side hinged side

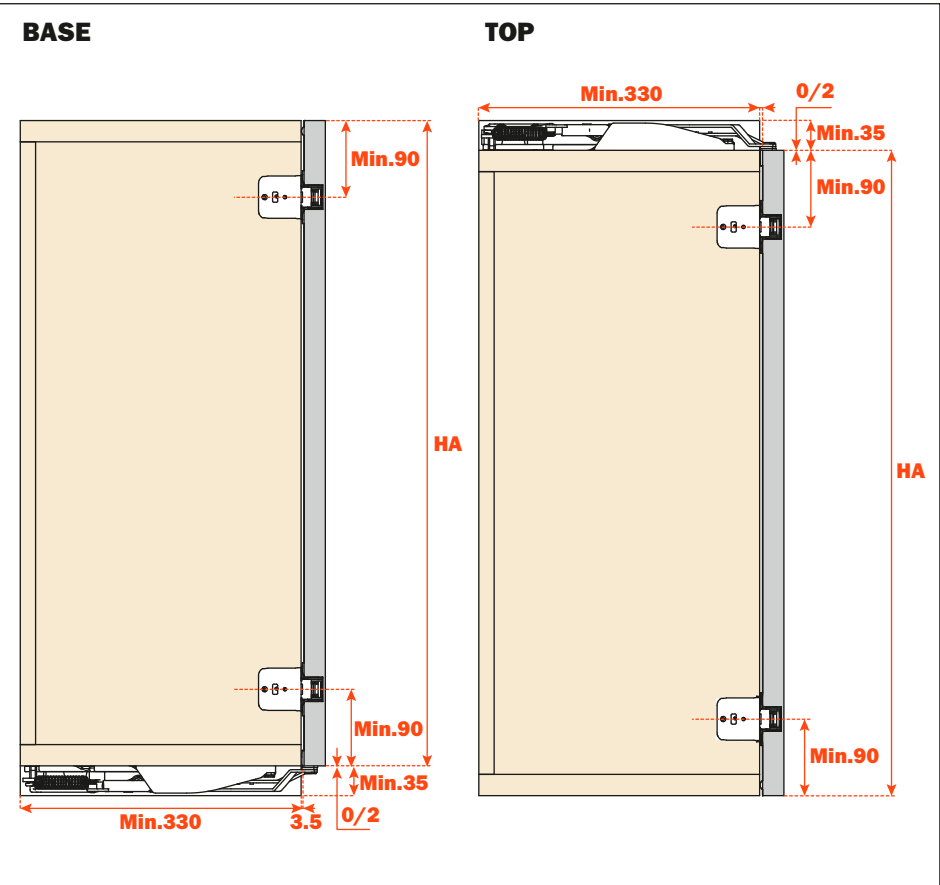
D1 = 18 with arm 0
D1 = 12 with arm 9

Reveal required for the opening of the INTERNAL door TL2 for wooden door



Door thickness T	Space needed to open the door A
19 mm	1.3 mm
25 mm	1.7 mm

Space required to accommodate the system and position of the CONECTA 94° HINGES

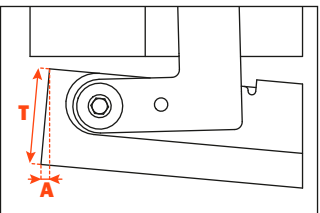


HA = Door height

D1 = Overlay with single application

Workings position	Overlay D1	Side thickness Min.
3.5 mm	12.5 mm	19 mm
4.5 mm	13.5 mm	20 mm
5.5 mm	14.5 mm	21 mm
6.5 mm	15.5 mm	22 mm
7 mm Max.	16 mm	22.5 mm

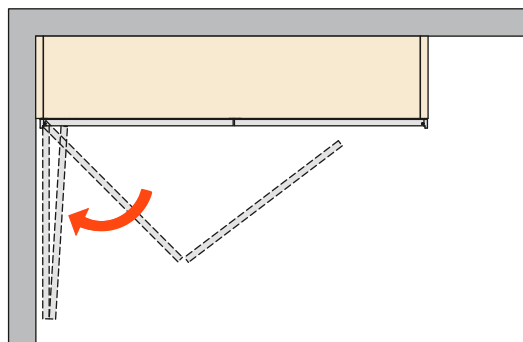
Reveal required for the opening of the INTERNAL door TL2 for wooden door



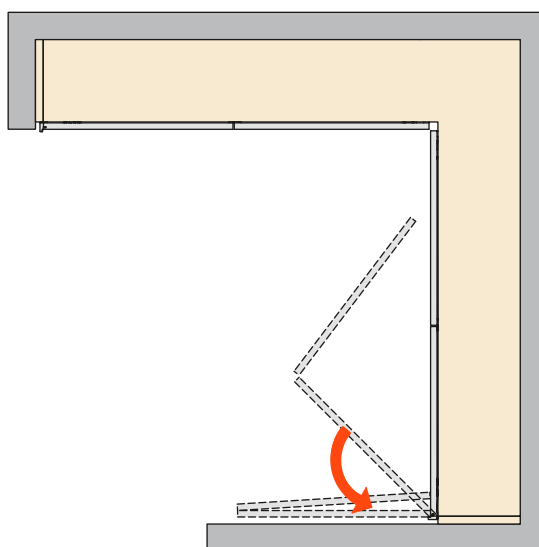
Door thickness T	Space needed to open the door A
25 mm	1.8 mm

Double hinged door • Application examples

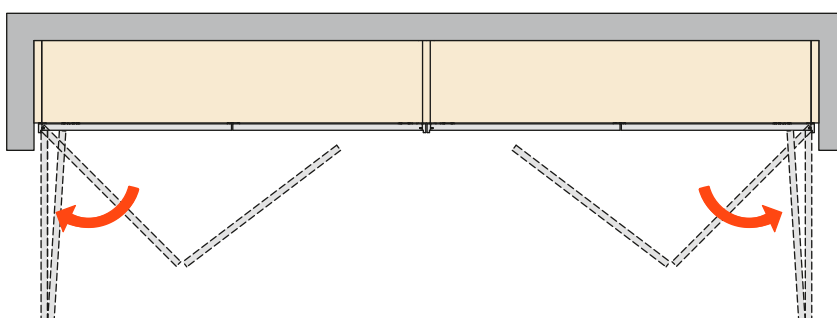
SINGLE CABINET



CORNER CABINET



DOUBLE CABINET



PASSAGE CABINET

