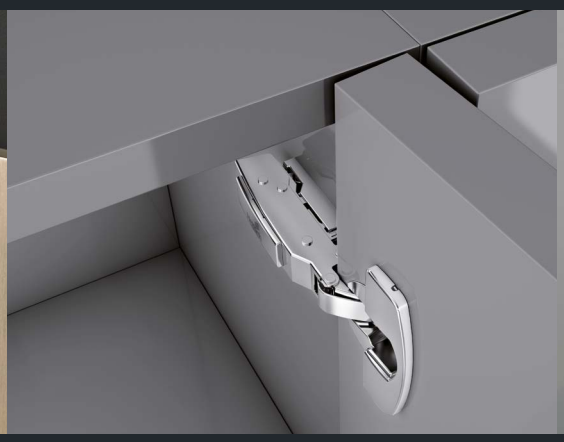
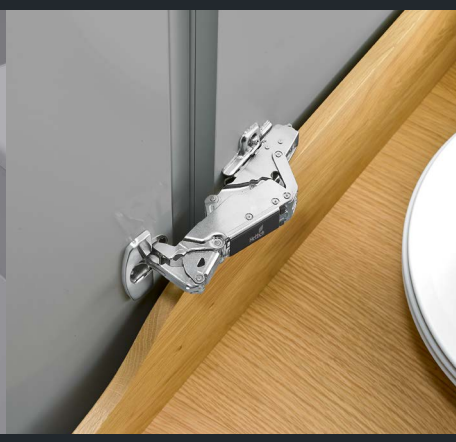
Sensys hinges
Example Applications







INTERFER

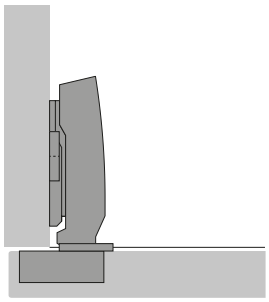
Technik für Möbel

Hettich



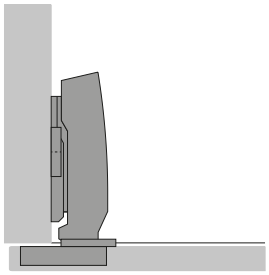
Explanations

4 - 7



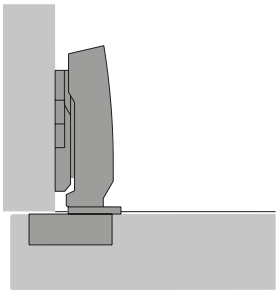
Standard applications

8



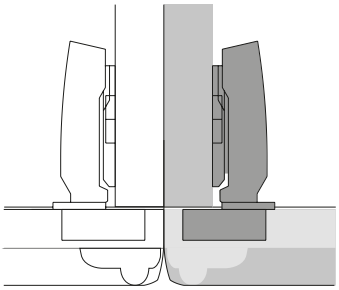
Applications with thin doors

9



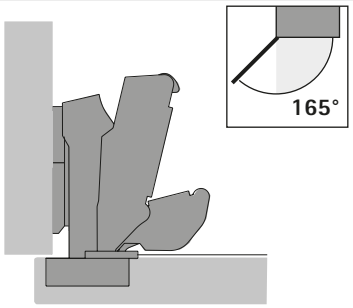
Applications with thick doors

10



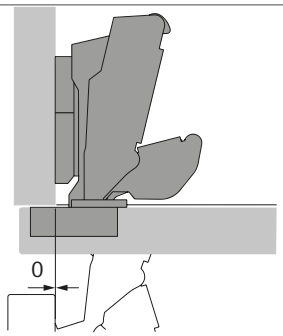
Minimum reveal applications

11



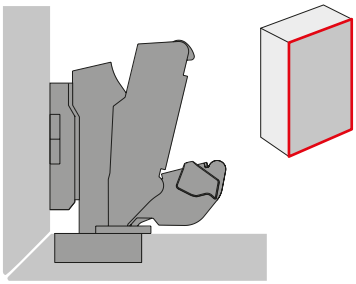
Applications with wide opening angle up to 165°

12



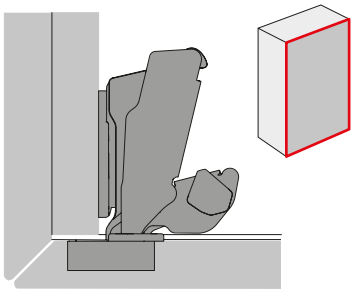
Applications with zero protrusion (drawers behind hinged doors)

13



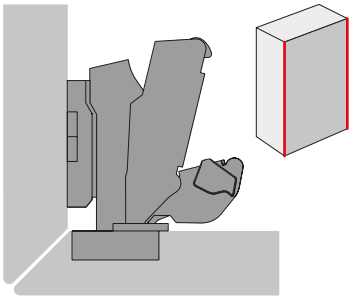
Applications mitred all round

14



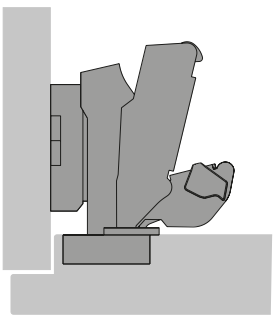
Mitred all round with internal facing panel

15



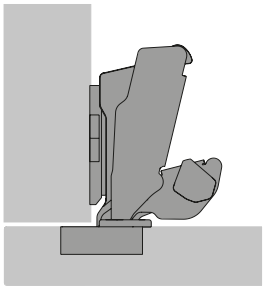
Applications with side mitering

16



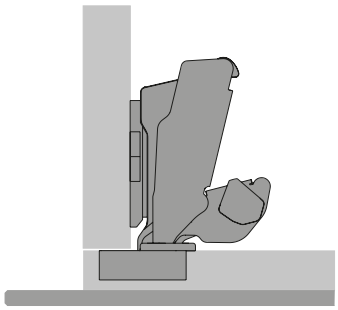
Rebated doors

17



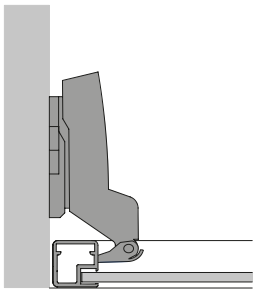
Applications with large overlay

18



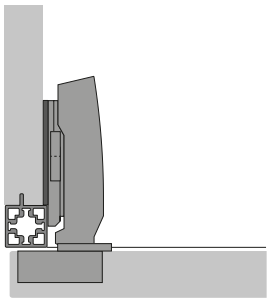
Applications with protruding front

19



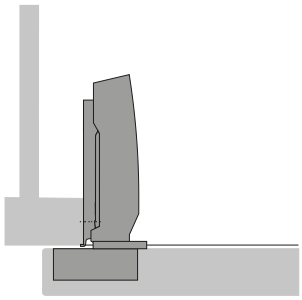
Applications for aluminium framed doors

20



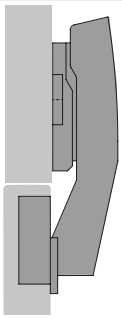
Applications with Cadro frame system

21



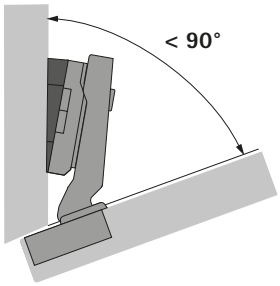
Face frame applications

22



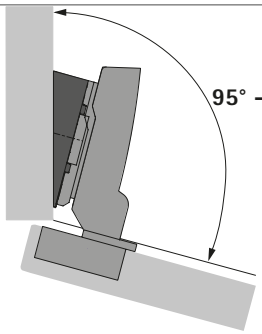
Applications for corner cabinets

23



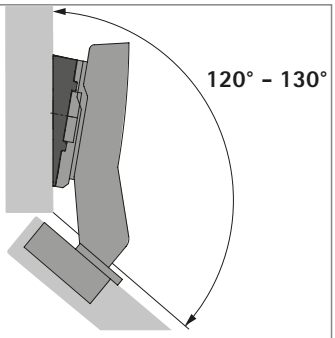
Applications with cabinet body angle of less than 90°

24 - 25



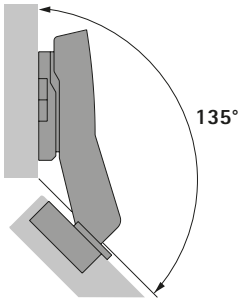
Applications with cabinet body angle of 95° - 115°

26 - 27



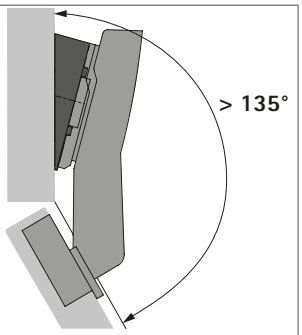
Applications with cabinet body angle of 120° - 130°

28



Applications with cabinet body angle of 135°

29



Applications with cabinet body angle of greater than 135°

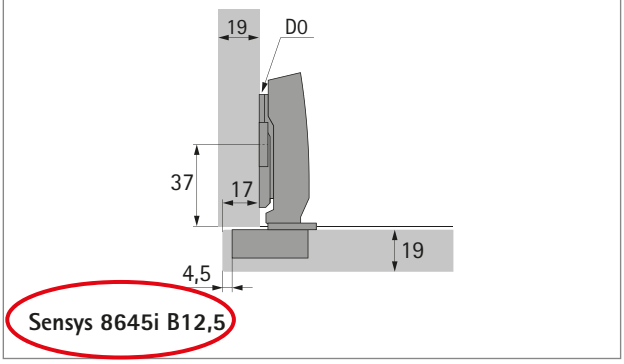
30

Hinge

The required hinge is shown with hinge type and base B on the relevant drawings.
Hinges without Silent System or without self closing feature can be used as well as hinges with integrated Silent System.

Good to know: all Sensys hinges with the same base are completely interchangeable in terms of overlay and required mounting plate distance.

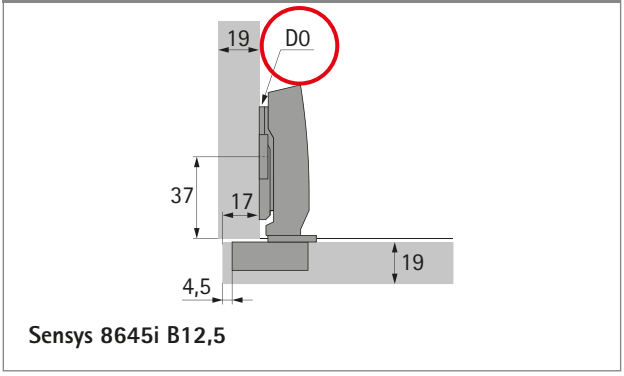
A1



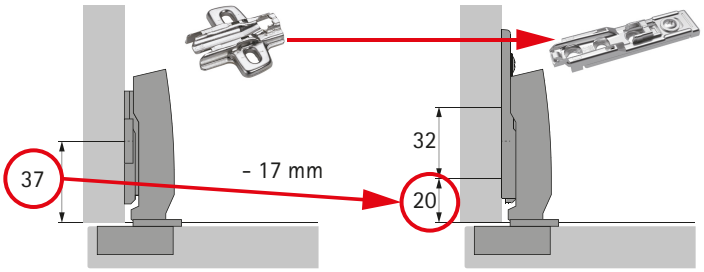
Mounting plate

The mounting plate distance needed is shown in the drawing.
Mounting plate distances greater than 8 mm can be provided by using the adapter plate in combination with a parallel adapter.

A1



Unless otherwise stated, the mounting position refers to the use of a cross mounting plate for hole line distance (LR) of 37 mm; if a linear mounting plate is used, the mounting position must be adjusted accordingly.



Any other mounting plate required is shown by a pictogram on the drawing.

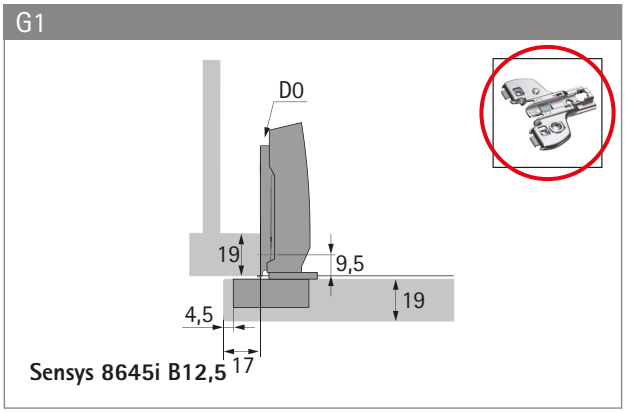


Linear mounting plate



Face frame mounting plate

G1

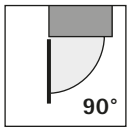


Accessories

Any other accessories required are shown by a pictogram on the relevant drawing.



Adapter for reducing drilling depth, indicating thickness



Opening angle limiter, indicating the required angle



Adapter for inset doors on front frame



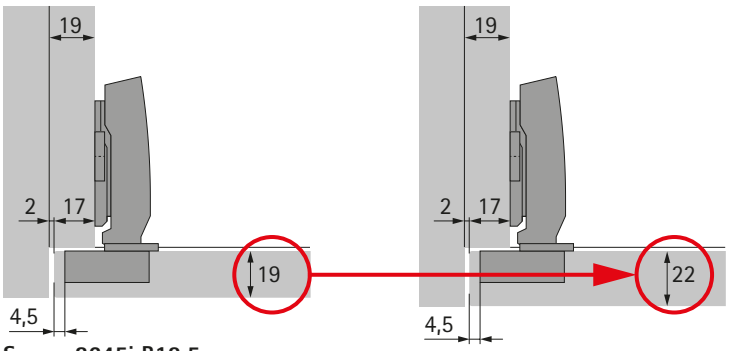
Angle adapter, indicating the required angle(s)



Fixing screws, showing diameter and length

Modification of the example applications: thicker door

The thicker the door, the larger the minimum reveal required. If any components are positioned adjacent to the door on the hinge side, a clear space must be provided that's at least as wide as the minimum reveal.



Sensys 8645i B12,5

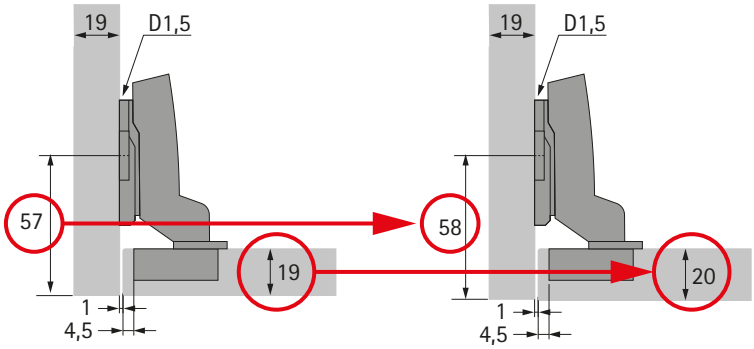
Minimum reveal per door

Door thickness mm	Cup distance C mm					
	3,0	4,0	4,5	5,0	6,0	7,0
15	0,2	0,2	0,2	0,2	0,2	0,2
16	0,3	0,3	0,3	0,3	0,3	0,3
17	0,4	0,4	0,4	0,4	0,4	0,4
18	0,6	0,6	0,6	0,6	0,6	0,5
19	0,8	0,8	0,8	0,8	0,7	0,7
20	1,1	1,0	1,0	1,0	1,0	0,9
21	1,4	1,3	1,3	1,3	1,2	1,2
22	2,2	1,6	1,7	1,6	1,6	1,5
23	3,0	2,6	2,4	2,2	2,0	1,9
24	3,9	3,4	3,2	3,0	2,6	2,4

If a thicker door is chosen, the required minimum reveal must be checked against the minimum reveal table on the catalogue page for the hinge concerned.
In the example shown above, the thicker door can be fitted without a problem as the required minimum reveal of 1.7 mm is smaller than the reveal of 2 mm chosen for the furniture.
If this is not the case, the chosen reveal will be narrower than the minimum reveal that's needed. This leaves the following options

- Increase cup distance C (the larger the cup distance, the smaller the minimum reveal), although this can only be done with differences of a few tenths of a millimetre
- Select another hinge with narrower minimum reveal, e.g. Sensys thick door hinge 8631i

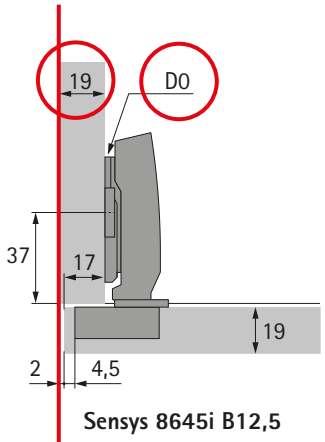
For inset doors, the mounting plate drilling positions must be set back by the appropriate distance.



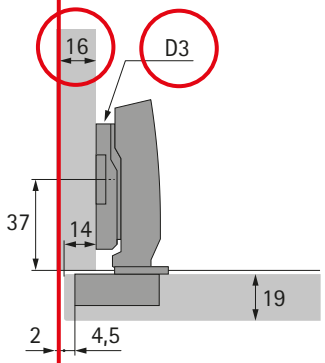
Sensys 8645i B-4

Modification of the example applications: thinner cabinet body side

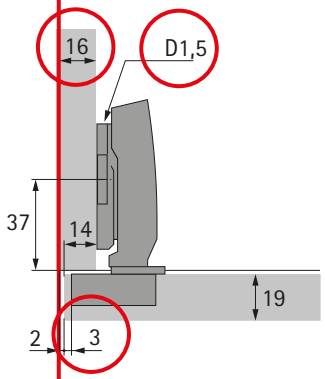
The easiest way to compensate for a thinner cabinet body side with overlay and half overlay doors is to select a thicker mounting plate distance that suits the application.
Alternatively, cup distance C can also be reduced or achieved with a combination of both.
(Note: check minimum reveal when reducing cup distance C)



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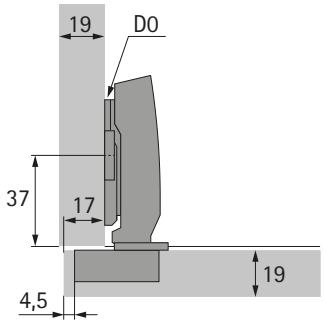


Sensys 8645i B12,5



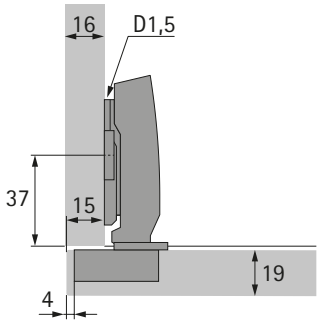
Sensys 8645i B12,5

A1



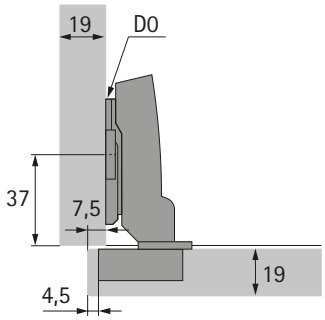
Sensys 8645i B12,5

A2



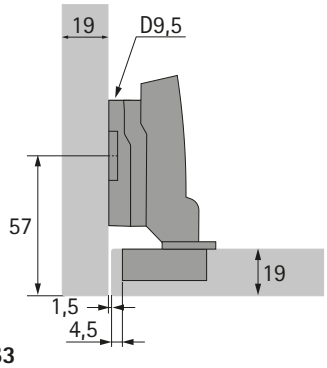
Sensys 8645i B12,5

A3



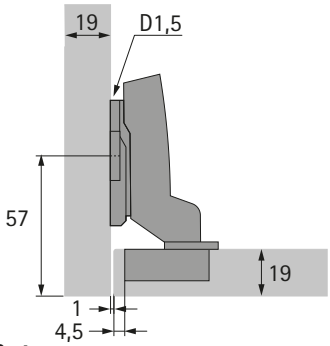
Sensys 8645i B3

A4



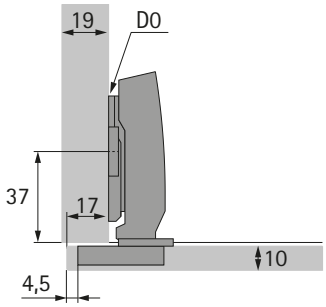
Sensys 8645i B3

A5



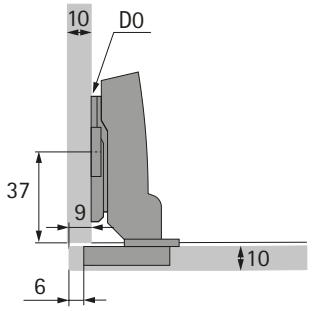
Sensys 8645i B-4

D1



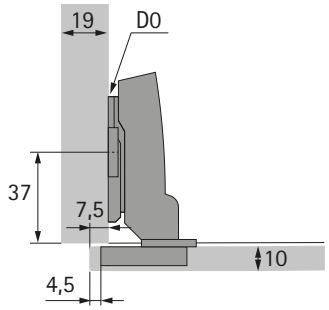
Sensys 8646i B12,5

D2



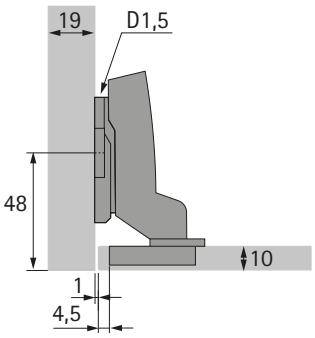
Sensys 8646i B3

D3



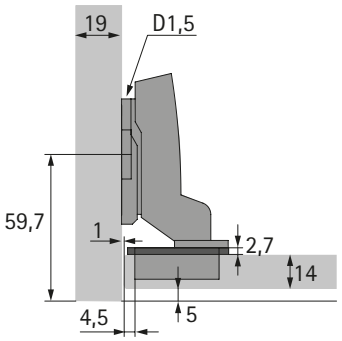
Sensys 8646i B3

D4



Sensys 8646i B-4

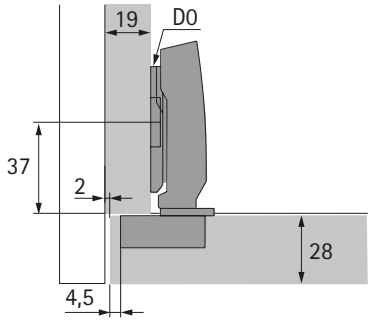
D5





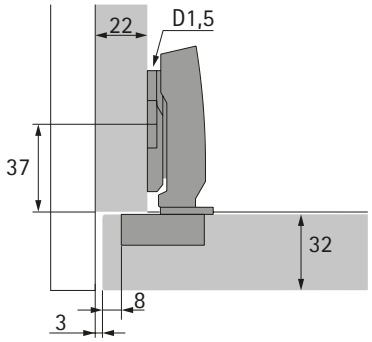
Sensys 8645i B-4

B1



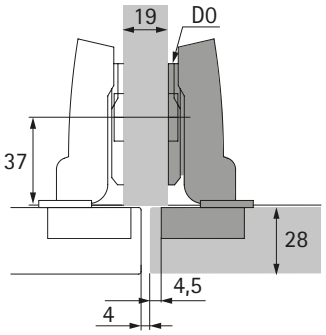
Sensys 8631i B12,5

B2



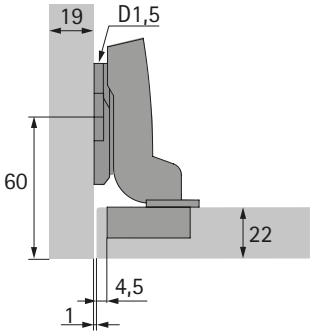
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B3



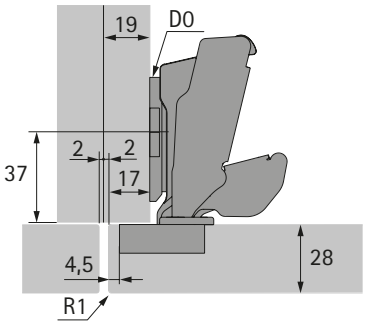
Sensys 8631i B3

B4



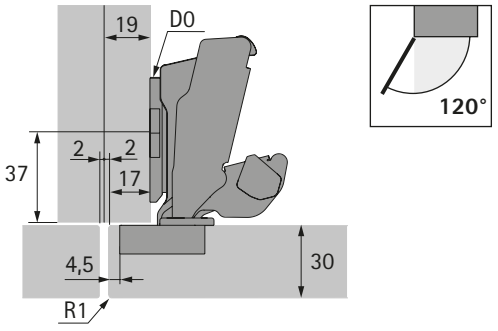
Sensys 8631i B-4

B5



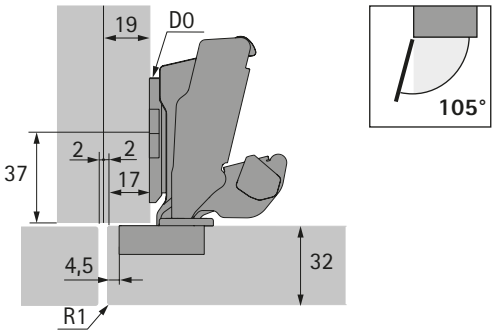
Sensys 8657i B12,5

B6



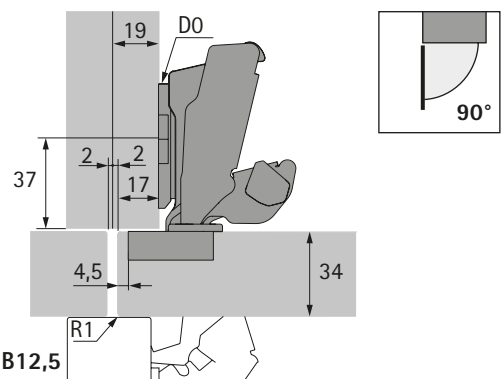
Sensys 8657i B12,5

B7



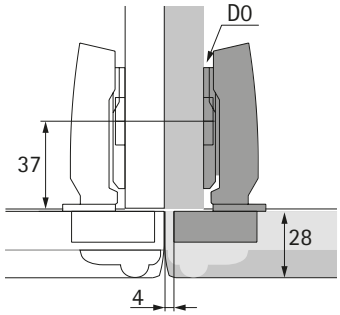
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B8



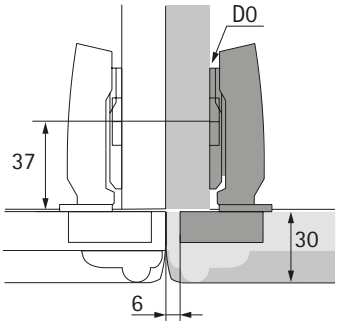
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C1



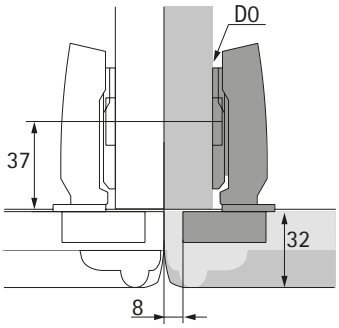
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C2



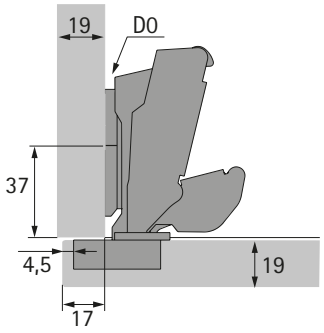
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C3



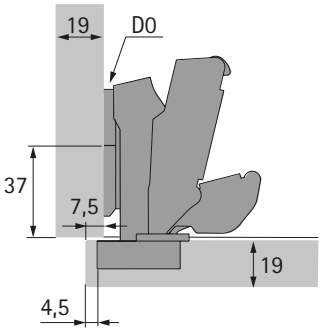
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E1



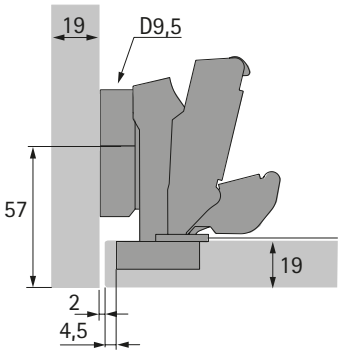
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E2



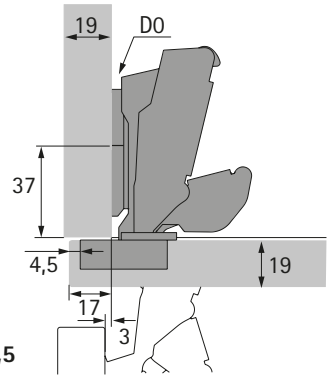
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E3



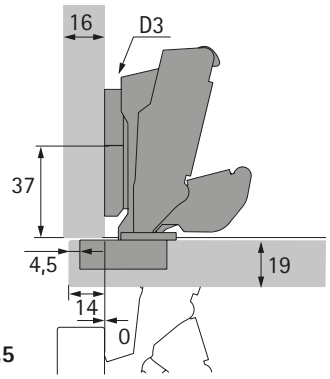
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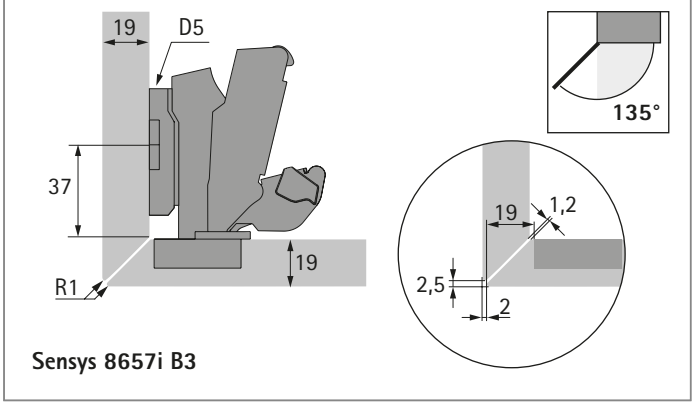
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F2



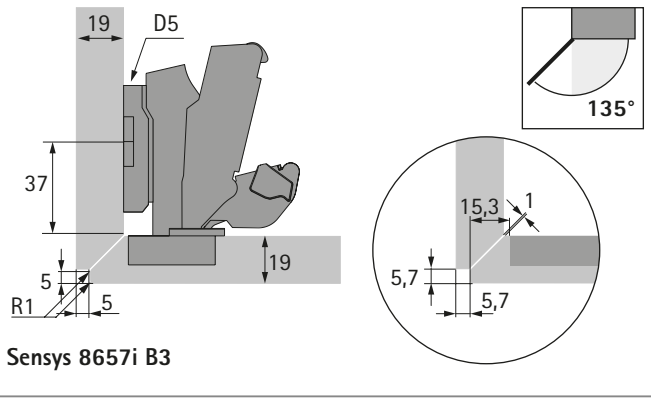
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I1



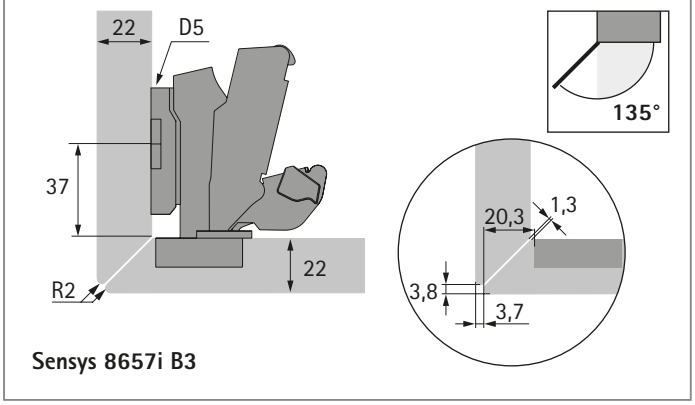
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I2



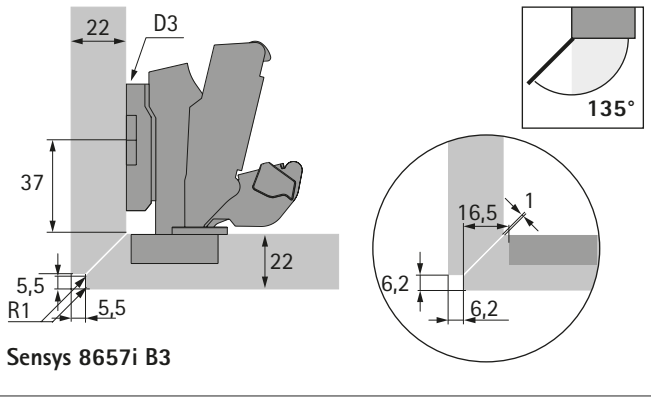
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I3



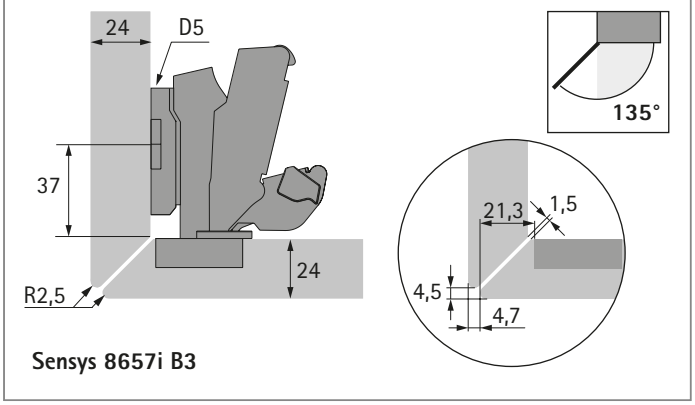
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I4



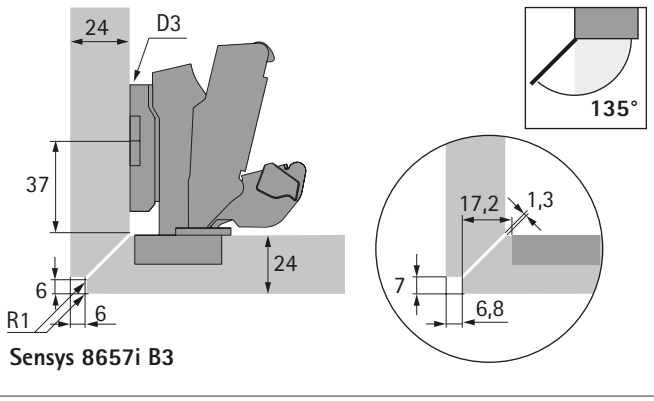
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I5



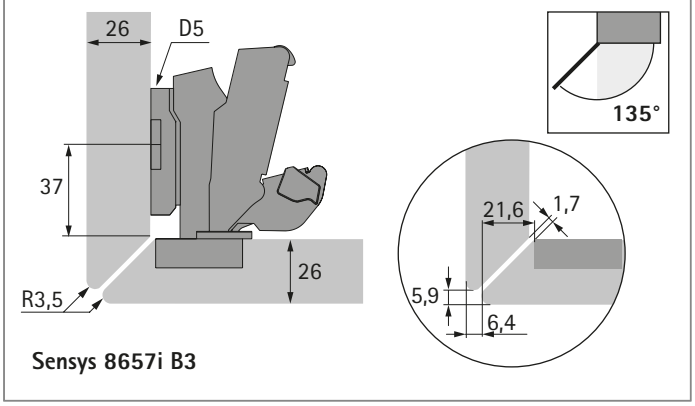
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I6



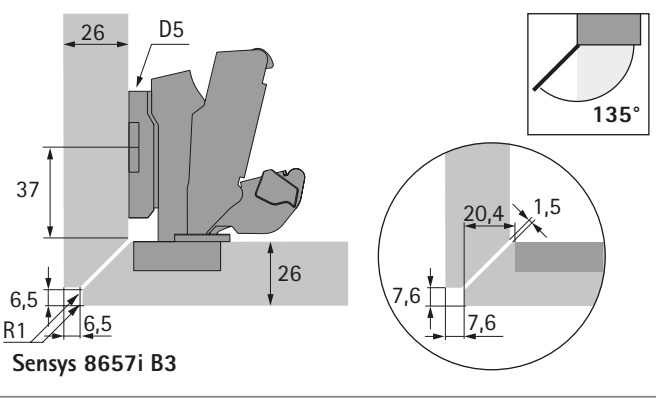
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I7



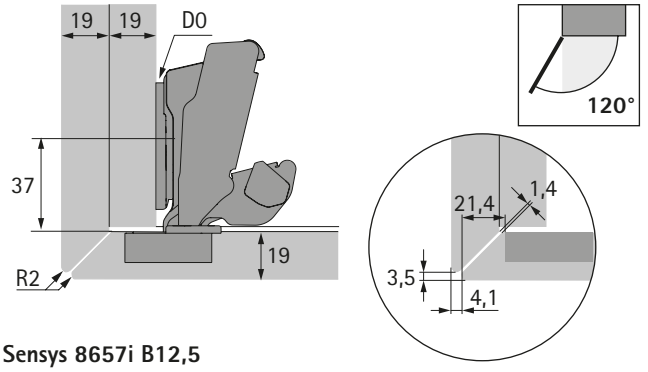
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I8



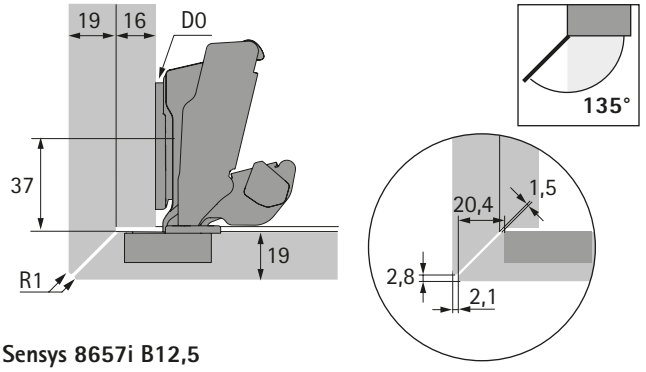
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J1



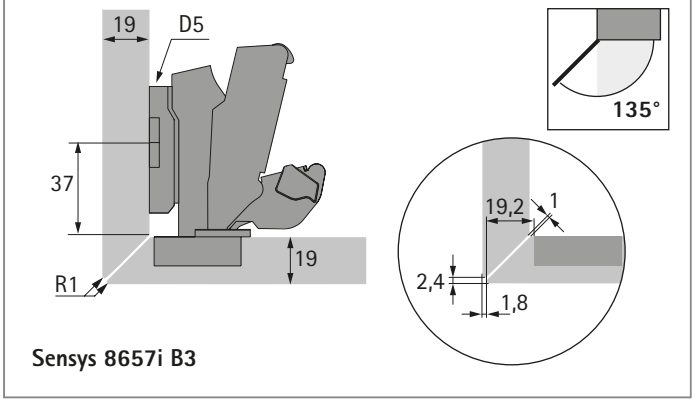
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J2



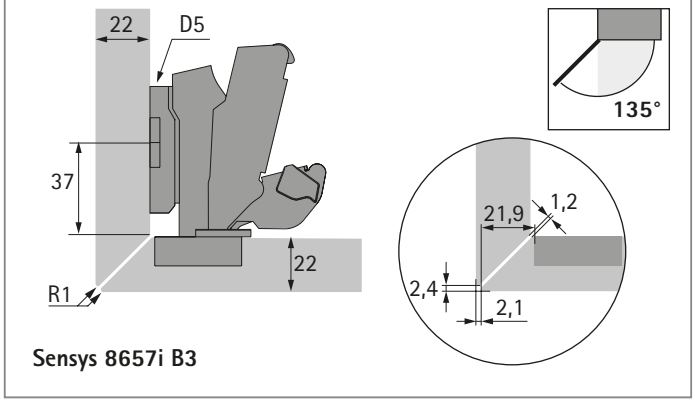
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K1



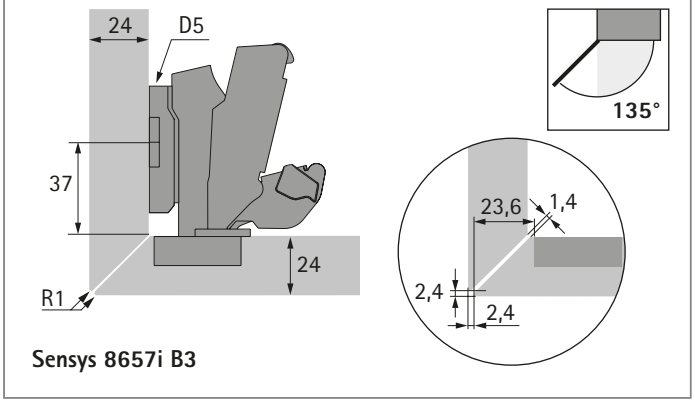
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K2



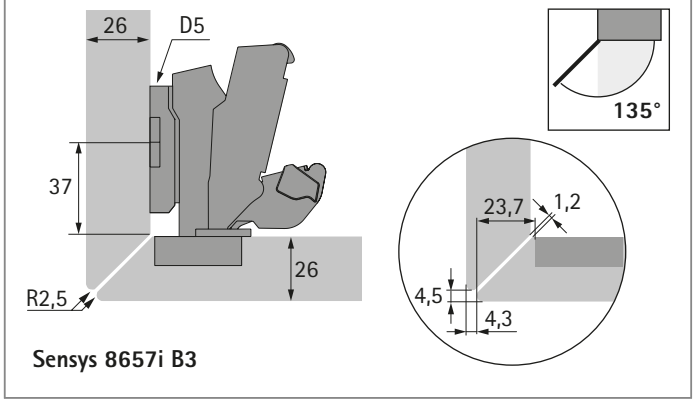
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K3



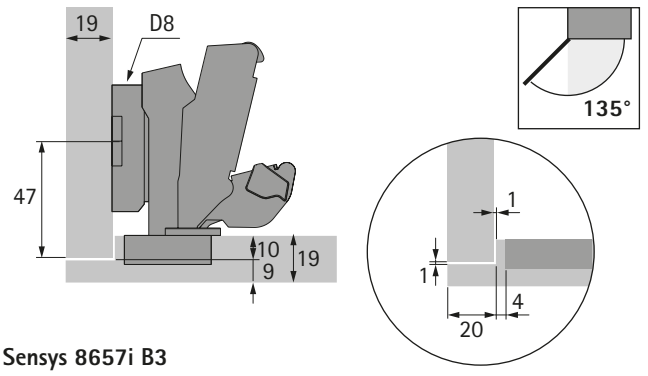
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K4



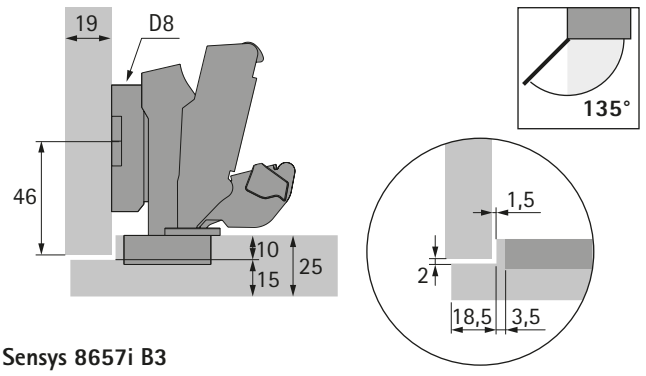
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L1



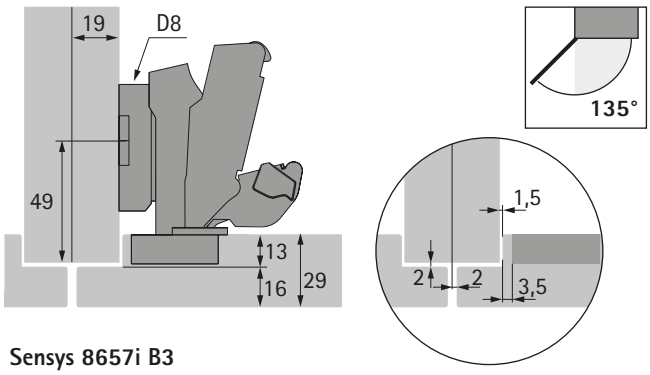
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L2



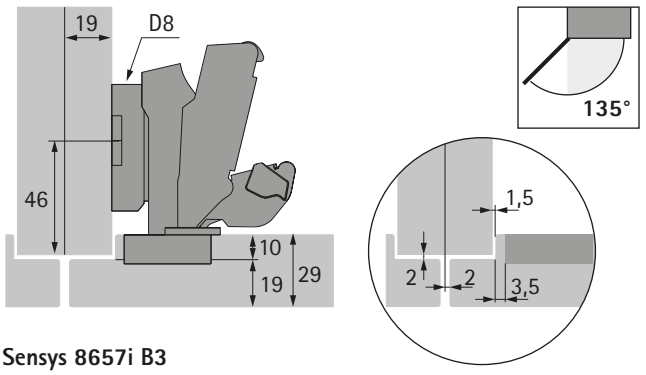
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L3



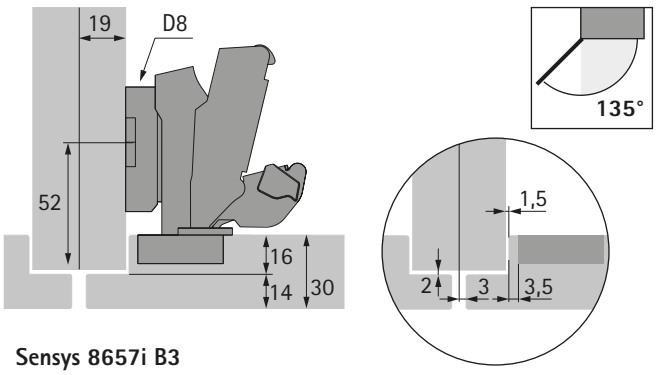
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L4



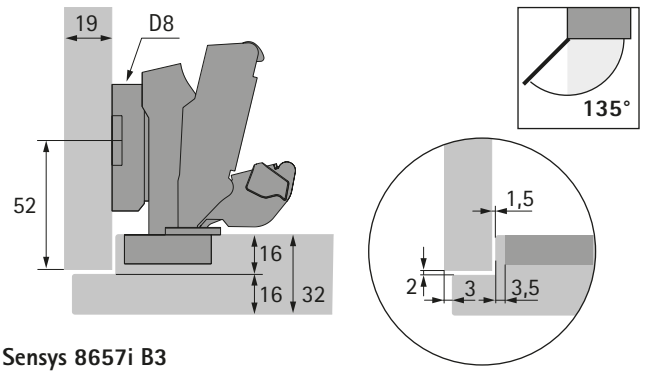
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L5



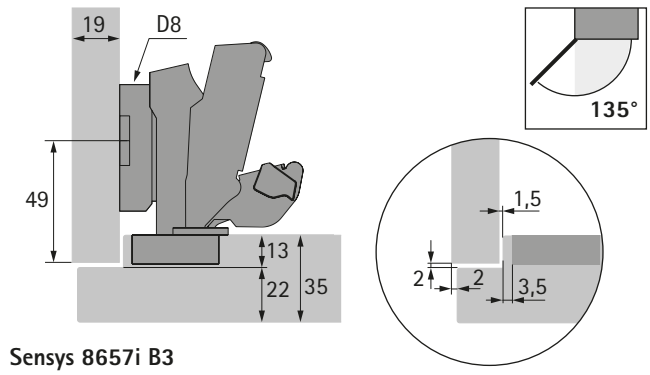
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L6



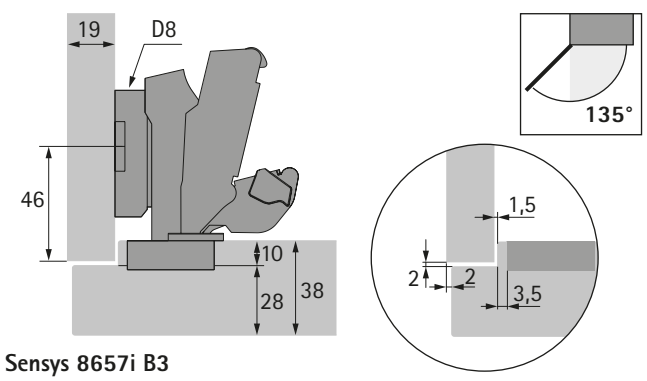
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L7



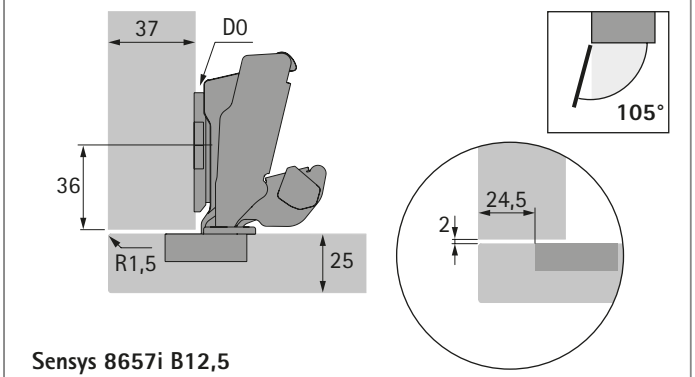
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L8



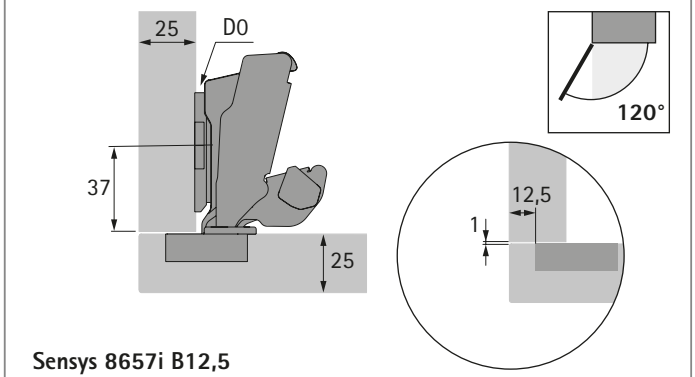
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M1



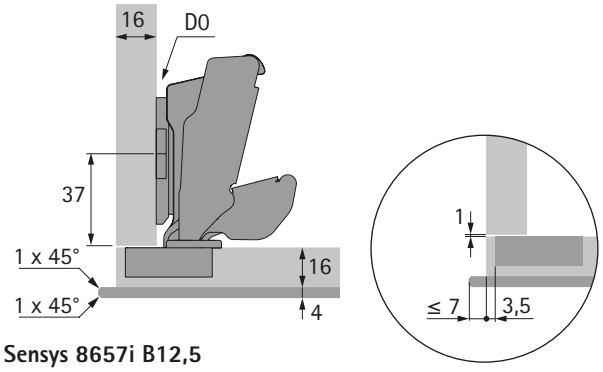
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M2



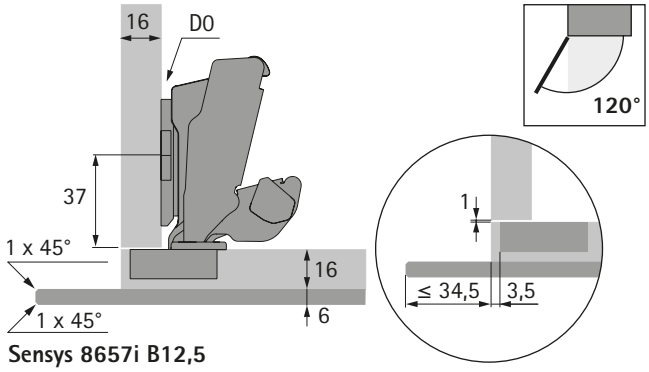
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N1



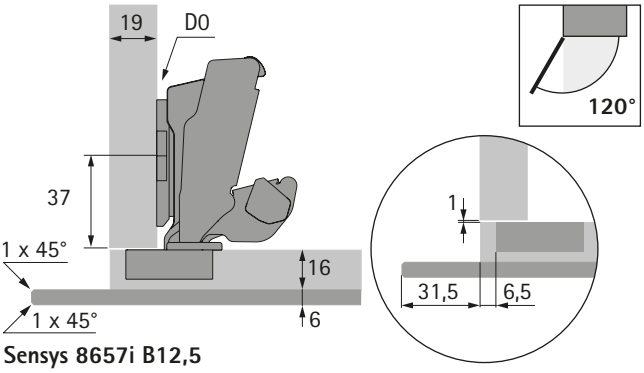
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N2



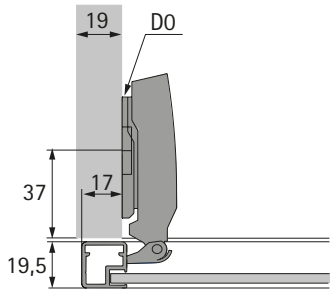
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N3



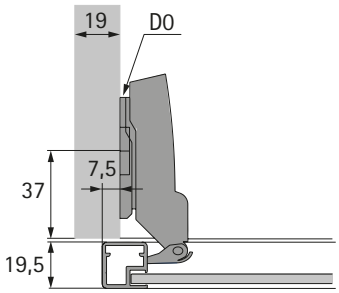
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H1



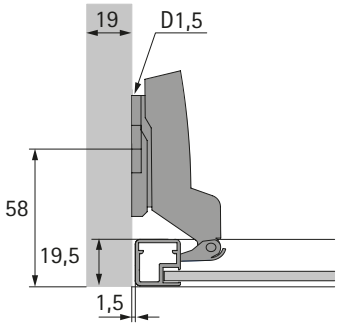
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H2



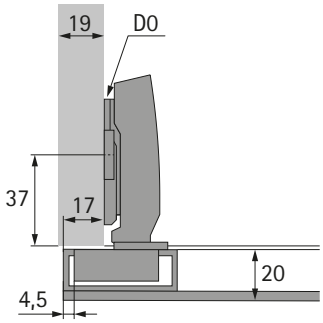
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H3



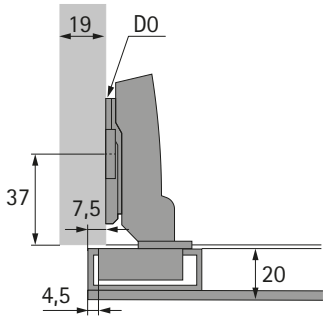
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H4



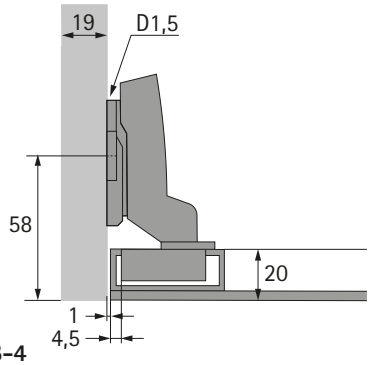
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H5



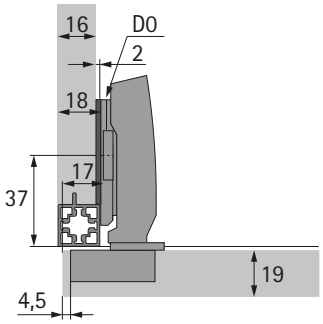
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H6



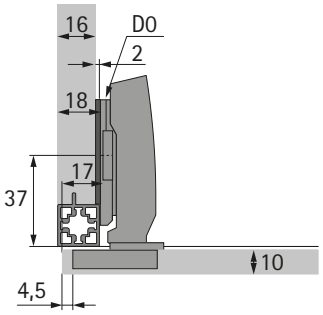
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U1



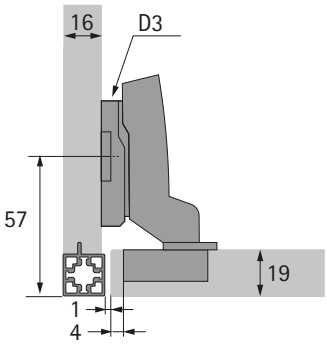
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U2



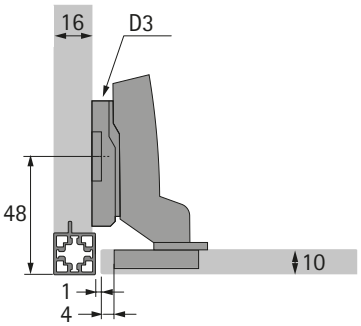
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U3



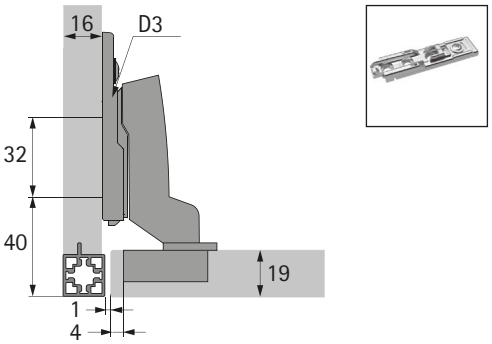
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U4



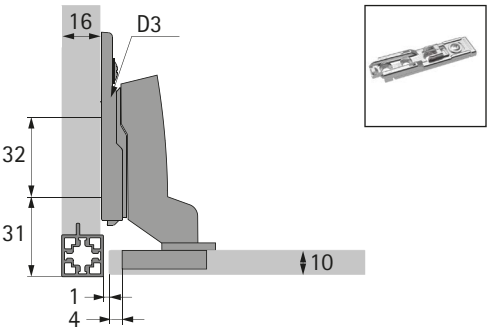
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U5



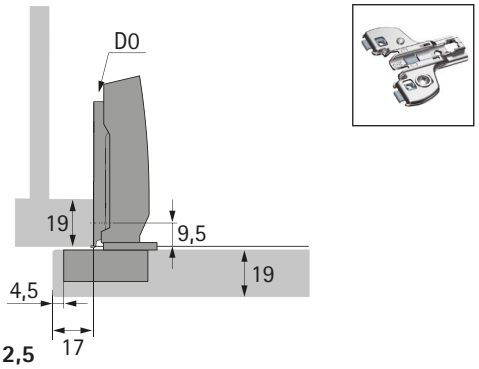
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U6



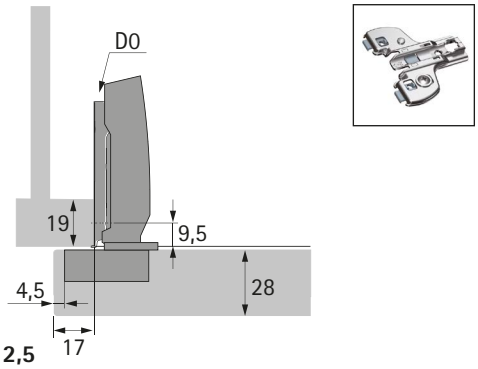
Sensys 8646i B-4

G1



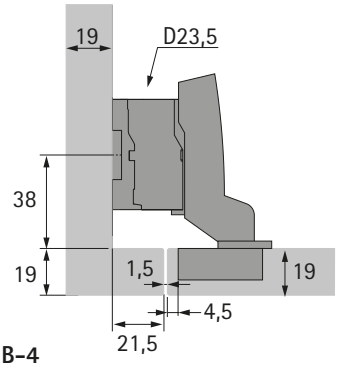
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G2



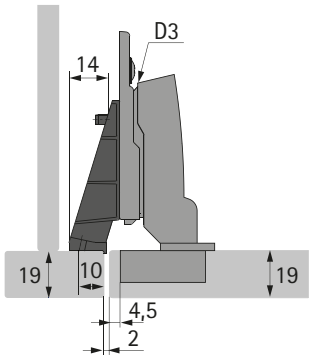
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G3



Sensys 8645i B-4

G4

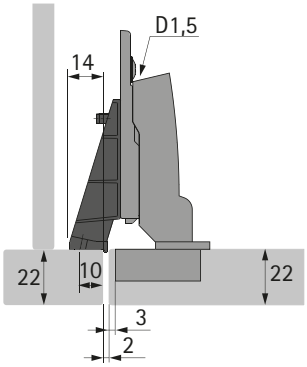






Sensys 8645i B3

G5

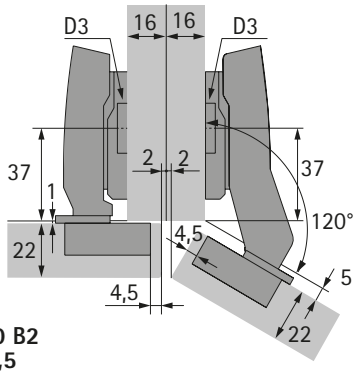






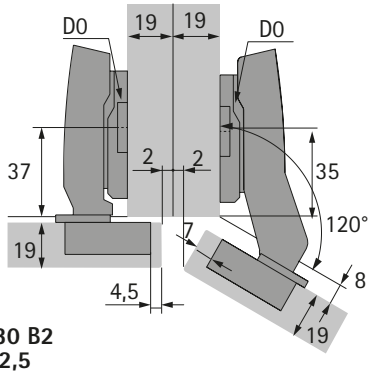
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T1



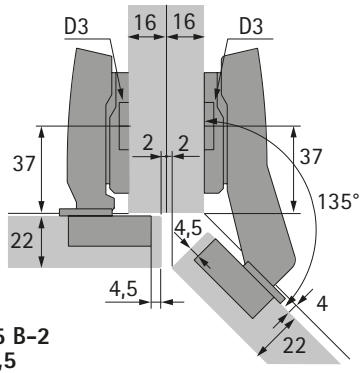
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Sensys 8645i B12,5

T2



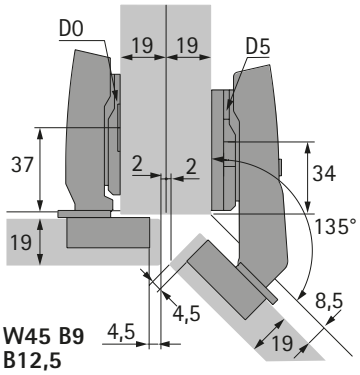
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T3



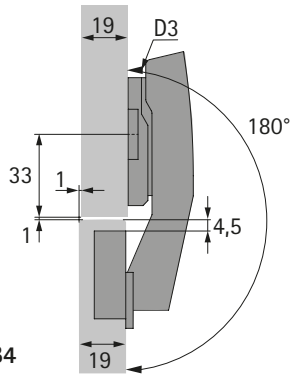
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T4



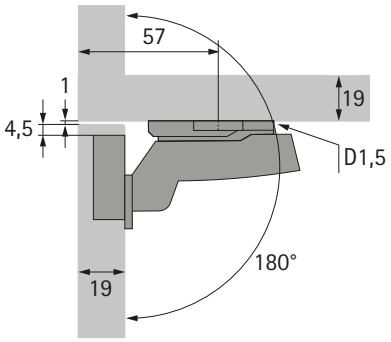
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T5



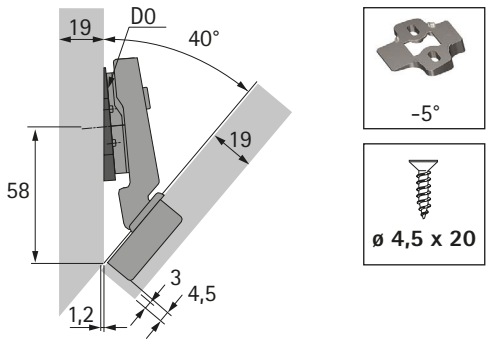
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T6



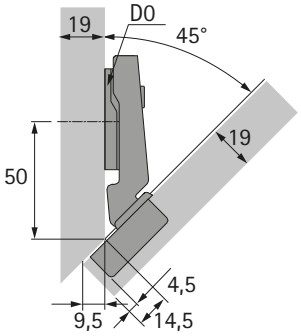
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01



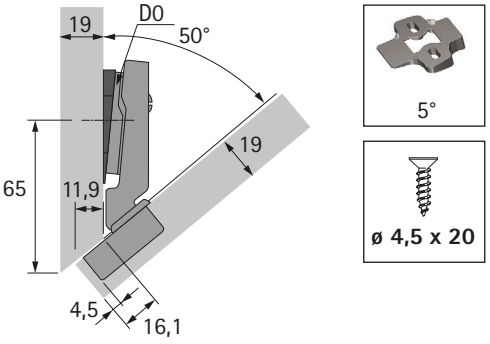
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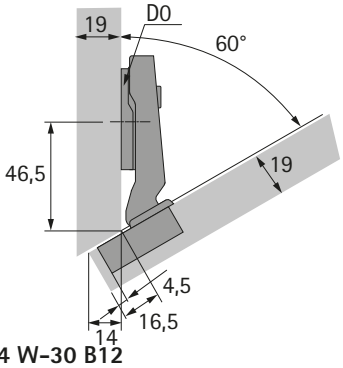
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03



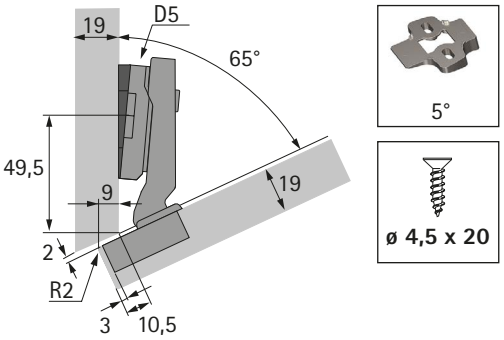
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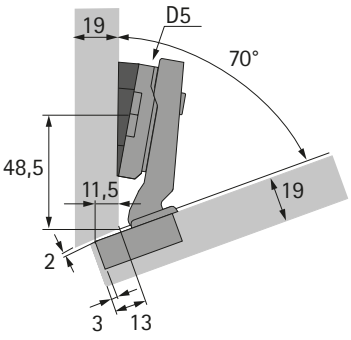
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05



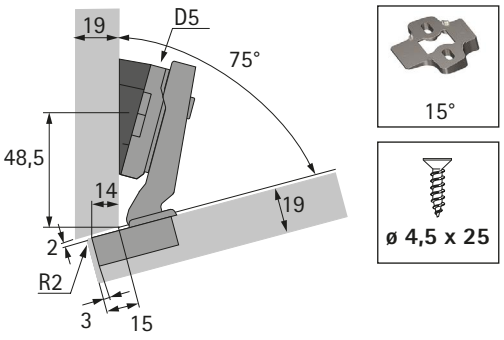
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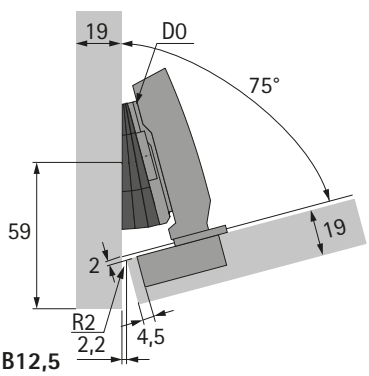
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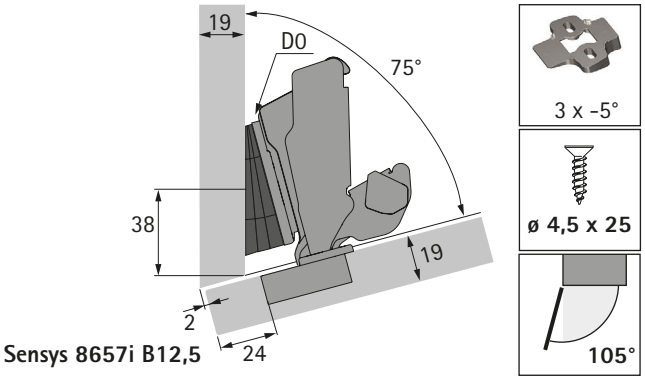
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08



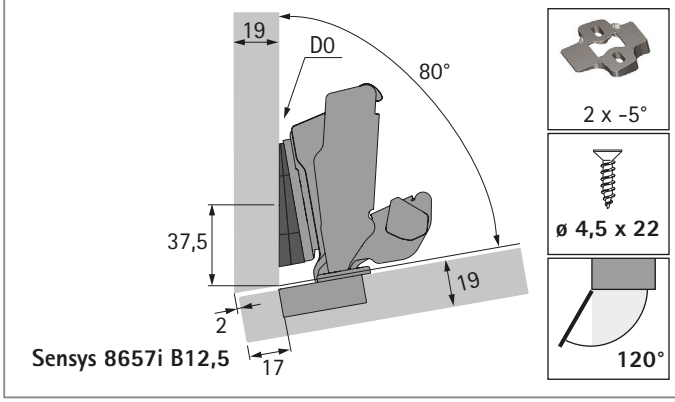
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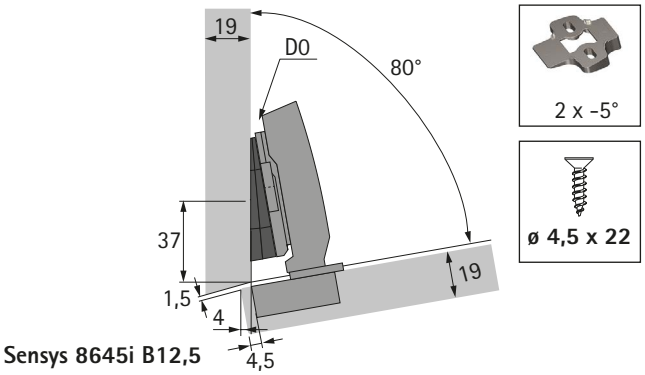
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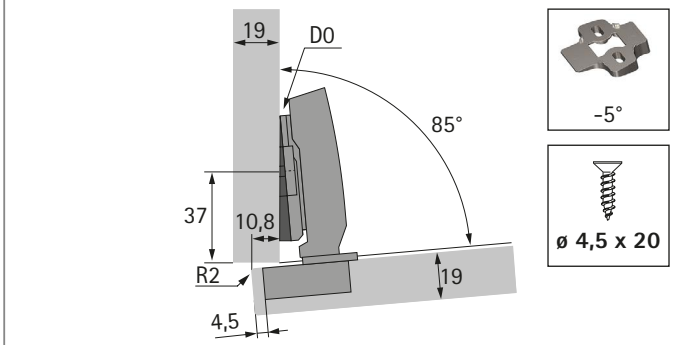
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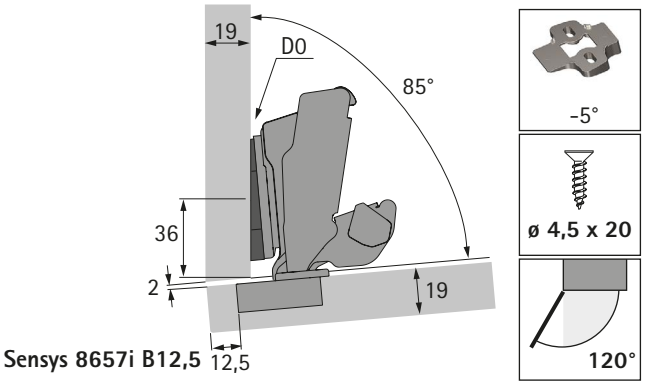
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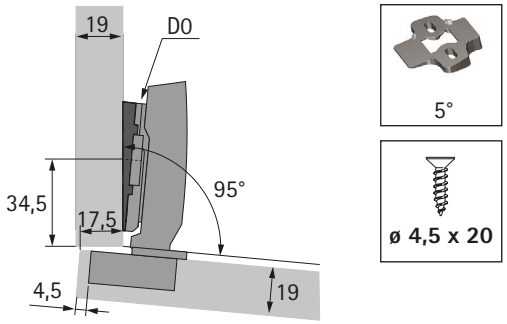
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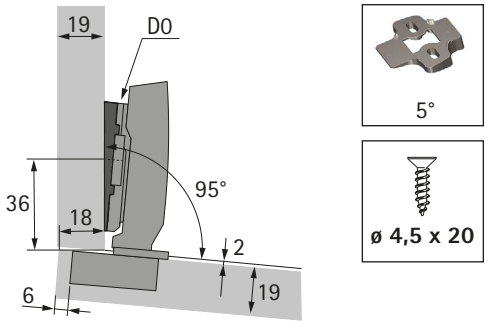
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P1



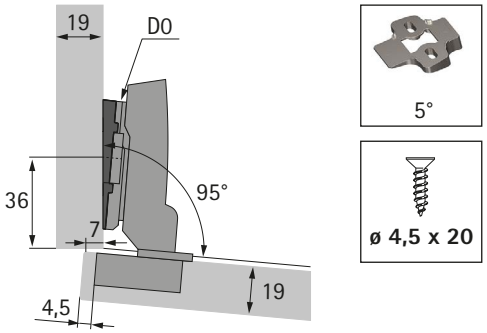
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P2



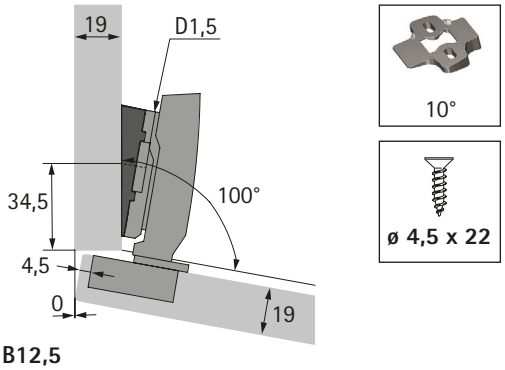
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P3



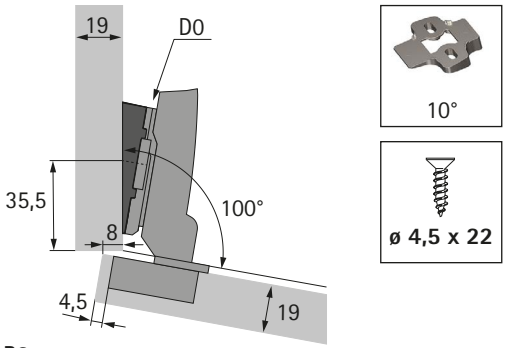
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P4



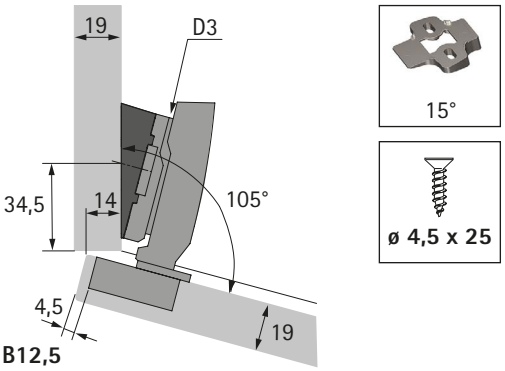
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P5



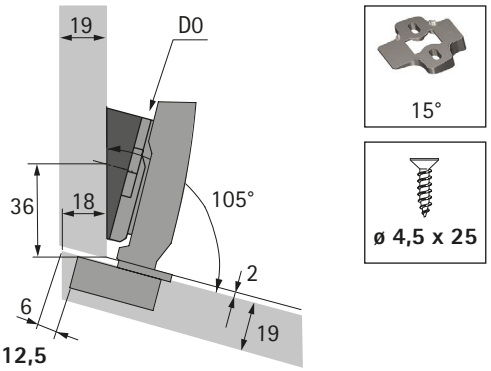
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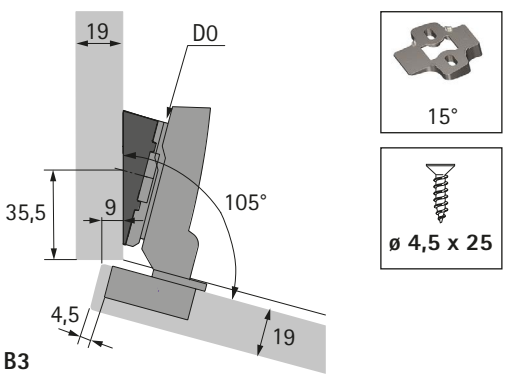
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P7



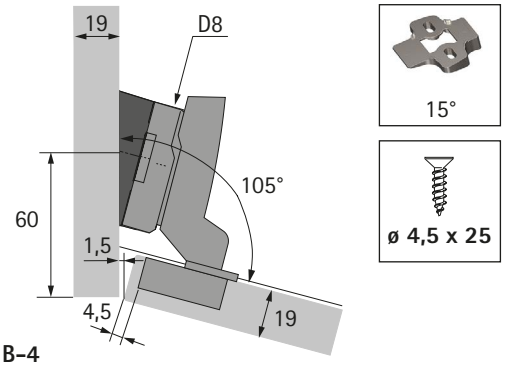
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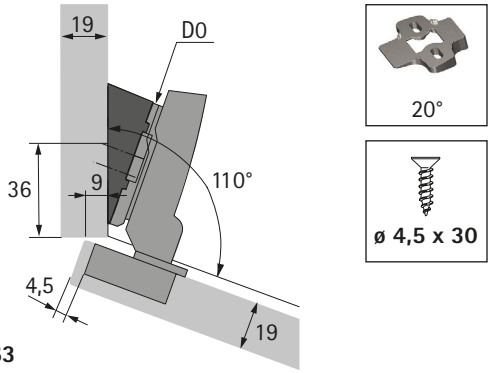
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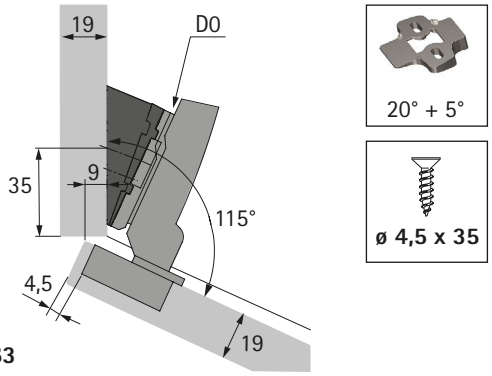
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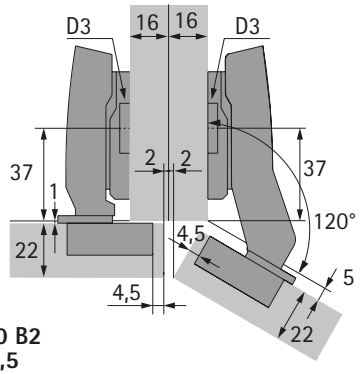
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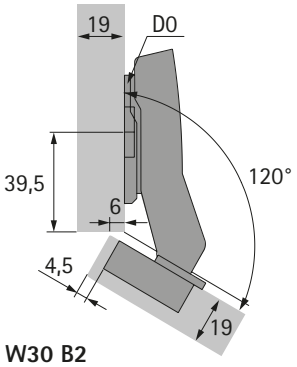
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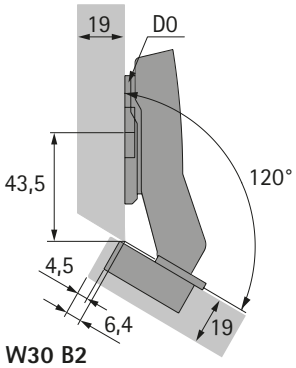
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Q2



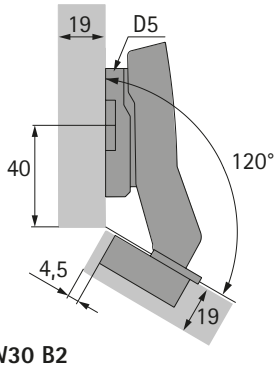
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Q3



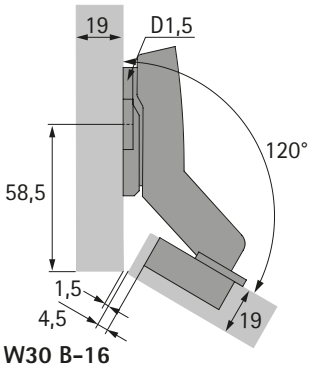
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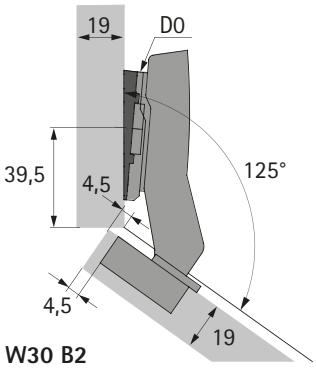
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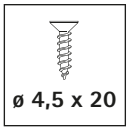


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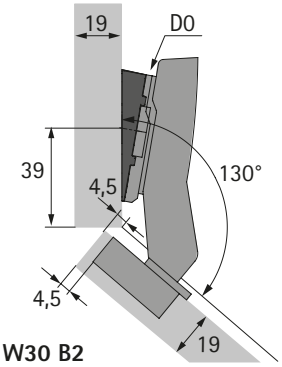




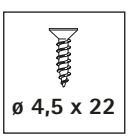


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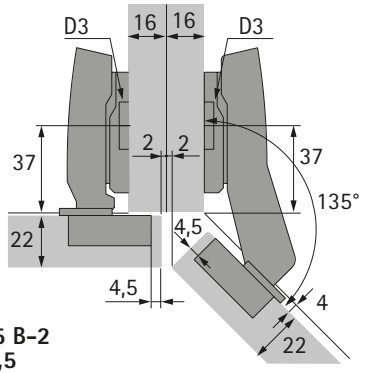






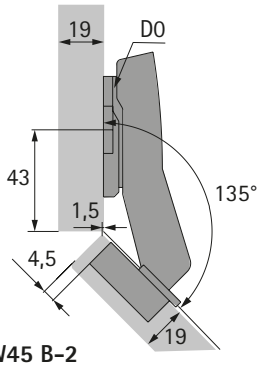
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R1



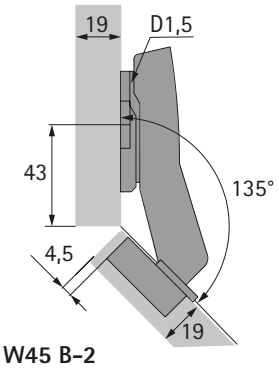
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Sensys 8645i B12,5

R2



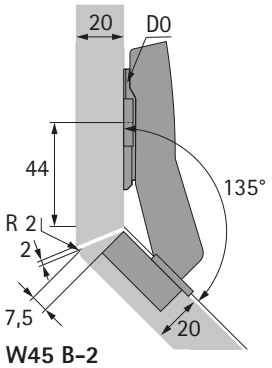
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R3



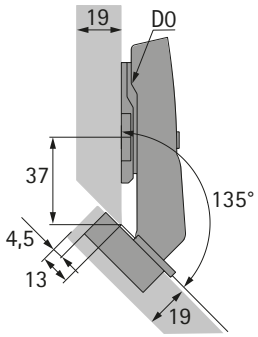
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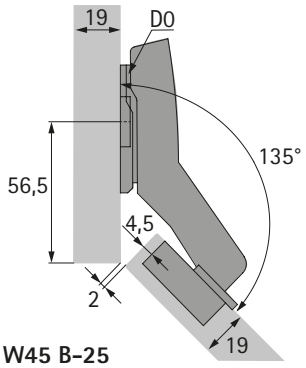
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R5



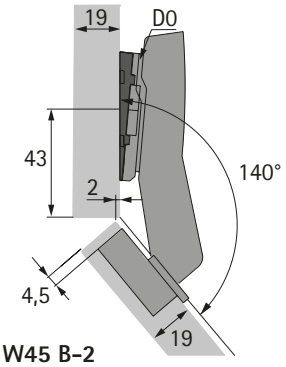
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R6



Sensys 8639i W45 B-25

S1

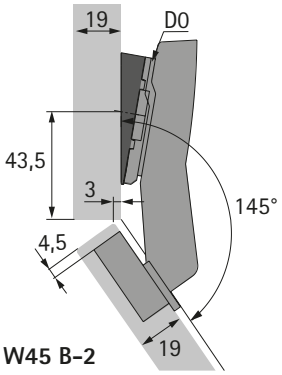






Sensys 8639i W45 B-2

S2

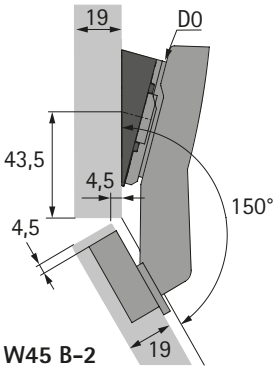






Sensys 8639i W45 B-2

S3

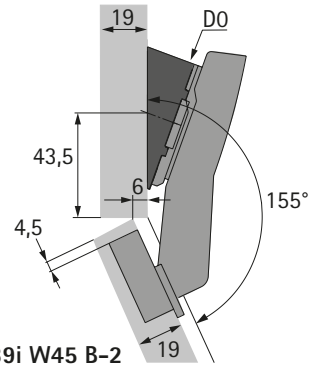






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S4

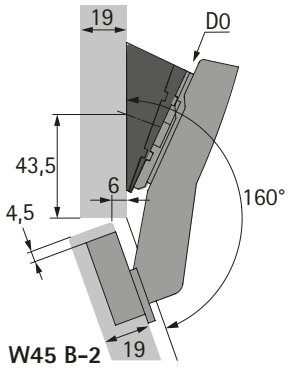






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S5

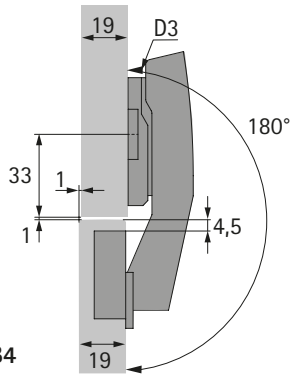






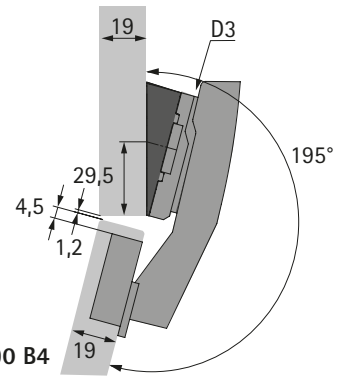
Sensys 8639i W45 B-2

S6



Sensys 8639i W90 B4

S7







Sensys 8639i W90 B4

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Technik für Möbel

Hettich