

Häfele Slido D-Fold21 50A folding door fitting



With door hinge including alignment function



Centre suspension (space-saving 1.5 door variant)

Note

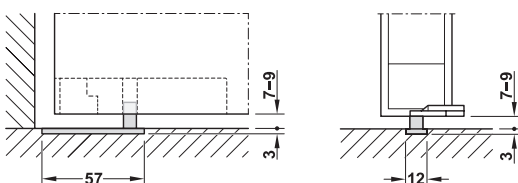
Please see installation instructions for exact calculation of door width and required door preparation details.
The door hinges are recessed into the upper and lower edges of the door (pivot hinge visible)

For the **corner suspension variant** with recessed door hinges, generally only solutions with 2 leaves of folding door systems are possible.

The bottom guide track is mandatory here.

For the **centre suspension variant**, there is the option of using a bottom track or not.

In the variant without a floor guide, we recommend setting the gap dimension between the floor and the lower edge the door to 7–9 mm, since the pair of doors could otherwise come into contact with the floor because of the slightly swinging folding movement if the gap dimension is too small.



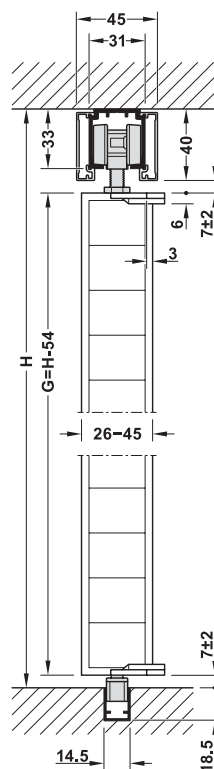
Bottom pivot bearing

Recessed, without floor guide (only for centre suspension)

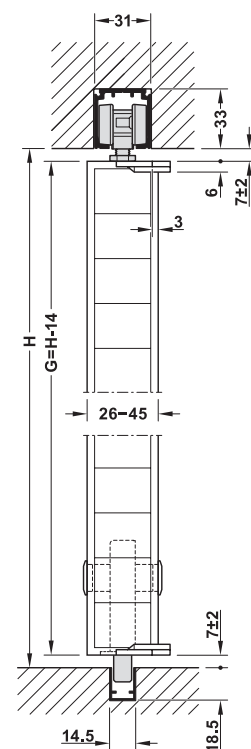
- > For corner and centre suspension
- > Space-saving 1.5-door variant up to a maximum folding element width of 1200 mm
- > Door hinge recessed into the upper/lower edge of the door



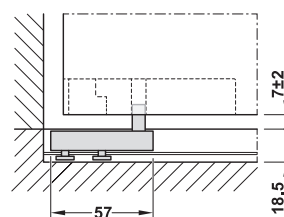
- > Area of application: For flexible passage and visual separation
- > Door weight: ≤ 50 kg
- > Door height: ≤ 2500 mm
- > Door width: 350–650 mm
- > Note on door width: For the 1.5-door variant, the total **folding element width** is ≤ 1200 mm at ≤ 80 kg weight, the revolving door width is ≤ 800 mm
- > Door thickness: 26–45 mm
- > Internal opening width: Single-sided system 2.6 m, double-sided system 5.2 m
- > Max. number of door leaves: 3.5 (centre suspension) or 2 (corner suspension) per side
- > Adjustment facility: Height ± 2 mm
- > Finish: Running, guide tracks and panels: Aluminium silver coloured or black anodized



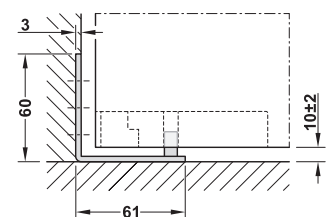
For corner and centre suspension, bottom: with floor guide for corner and centre suspension



For corner and centre suspension, bottom: with optional floor lock in bottom track



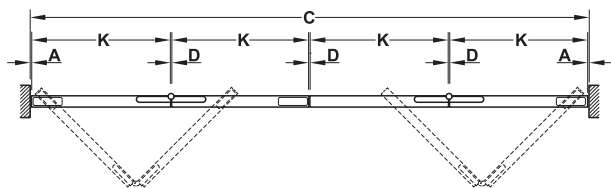
Bottom pivot bearing in bottom track



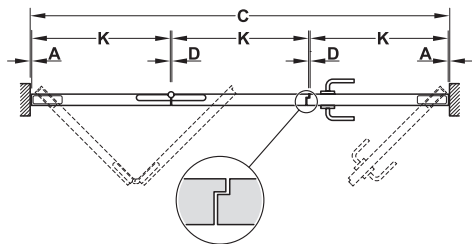
Optional: angular pivot bearing For integrated wall mounting (only for centre suspension)

→ Calculation of door width

Corner suspension



$$K = (C - A - D - D - D - A) / 4$$



$$K = (C - A - D - D - A) / 3$$

A = Wall distance between wall and door edge

C = Total system width

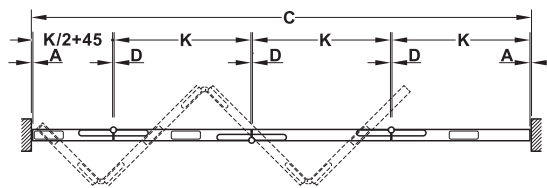
D = Gap dimension 4 mm (with seal)
0.5 mm (without seal)

K = Door width

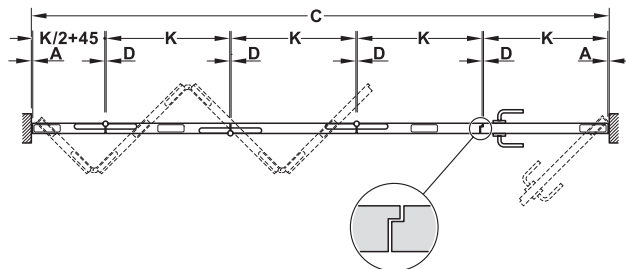
Note

Further machining dimensions and details can be found in the installation instructions.

Centre suspension



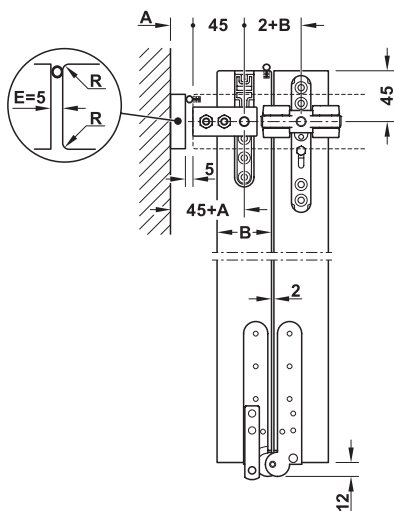
$$K = (C - A - 45 - D - D - D - A) / 3.5$$



$$K = (C - A - 45 - D - D - D - A) / 4.5$$

→ Wall connection with folded door stack

Corner suspension



Example of straight wall connection, vertical door edge rounded off with radius R

A = Wall distance between wall and door edge

B = Door thickness

E = Opening width rotating range

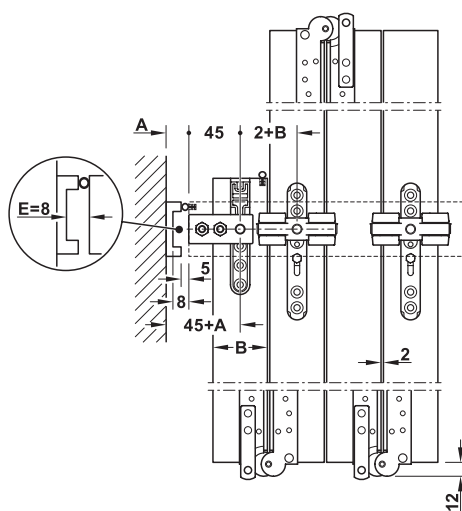
B	26–35 mm	36–40 mm	41–45 mm
R	≥1 mm	≥2 mm	≥3 mm

Note

The wall connection profile must be slightly milled out in the center or the vertical door edge must be rounded off towards the wall connection with the corresponding radius.

Other wall connection variants can be found in the installation instructions.

Centre suspension

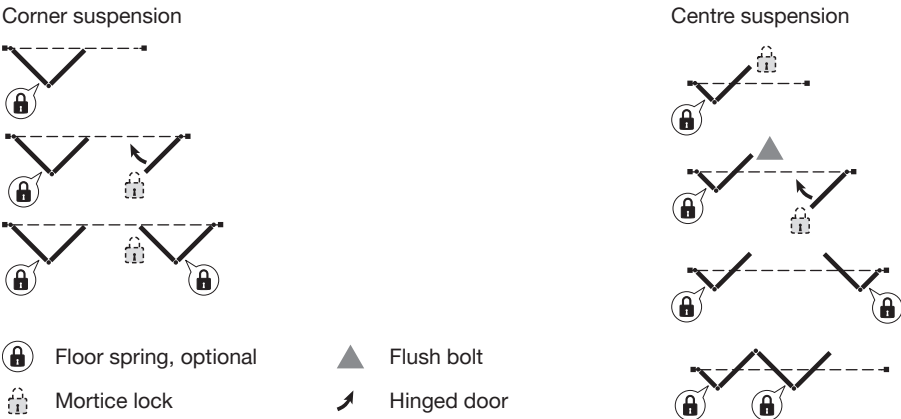


Example of wall connection with profile milled out in the center

Note

In the open position, the folding package parks parallel or slightly inclined/V-shaped depending on the door thickness as well as the number of door leaves.

→ Position and type of locks



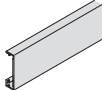
Note
The lock with the flush bolts to the running or guide track must be released on site.

→ Sets

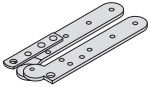
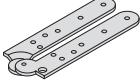
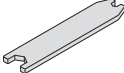
	Corner suspension	Centre suspension	Version	Supplied with	Cat. No.
For systems with bottom track					
Basic set			With pivot bearing at top and bottom	1 running gear, with support flange 2 pivot bearings (1 each top/bottom) 1 guide, bottom 1 mounting block for bottom pivot bearing	940.42.513
Set for hinged door leaf, door width ≤800 mm			With pivot bearing at top and bottom	2 pivot bearings (1 each top/bottom) 1 mounting block for bottom pivot bearing	940.42.515
For systems without bottom track					
Basic set	–		With pivot bearing at top and point bearing with adjustable sleeve at bottom	1 running gear, with support flange 2 pivot bearings (1 each top/bottom)	940.42.510
Additional set	–		With top guide	1 running gear, with support flange	940.42.511

Order reference
Running tracks, guide tracks, hinges and accessories to be ordered separately.

→ Tracks

		Material	Length mm	Silver coloured, anodised	Black anodized
Single running track, pre-drilled, 31 x 33 mm (W x H)		Aluminium	2000	940.43.922	940.43.661
			3000	940.43.932	940.43.662
			4000	940.43.942	–
			6000	940.43.962	940.43.663
Clip panel, Height 38 mm		Aluminium	2000	940.43.711	940.43.712
			3000	940.43.713	940.43.715
			6000	940.43.714	940.43.716
Guide track		Aluminium	2000	940.42.832	940.42.842
			3000	940.42.833	940.42.843
			6000	940.42.836	940.42.846

→ Individual components and accessories

		Material	Finish/ colour	Length mm	Cat. No.
Door hinge including door alignment function not suitable for corner suspension with more than 2 door leaves		Steel	Silver coloured	–	940.42.450
			Powder coated black	–	940.42.451
Door hinge without door alignment function not suitable for corner suspension with more than 2 door leaves			Silver coloured	–	940.42.452
			Powder coated black	–	940.42.453
DS 9608 rebate seal, suitable for gap dimension 4–5 mm		Silicone	White	25000	950.09.487
			Beige	25000	950.09.484
			Black	25000	950.09.483
Angular pivot bearing for wall mounting for door thickness 26–40 mm		Steel	Powder coated black	–	940.42.455
Floor spring With rosette and floor socket For systems with or without bottom track		Steel	Zinc plated	–	943.55.070
Hexagon socket key for floor lock		Steel	Zinc plated	–	943.55.072
Mounting tool, key size SW7 and SW13		Steel	Zinc plated	–	940.43.032

Note

The vertical gap dimensions between the door leaves are 4 mm as standard and are closed with the DS 9608 rebate seal. Alternatively, a gap dimension of 0.5 mm is possible without a seal. Please order mounting tool for the top support flange separately.

Required number of door hinges

Per folding door leaf: 1 piece with door alignment function at the top and 1 piece without door alignment function at the bottom, up to a door height ≤2500 mm

Sliding door locks	► AH 4.52 ► AH 9.359
Flush bolt	► AH 4.291
Flush pull handles	► AH 9.368

Häfele Slido D-Fold21 50B folding door fitting



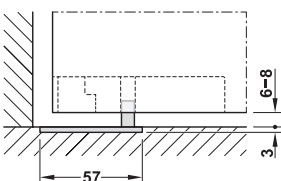
With butt hinge (plus magnet for door alignment)



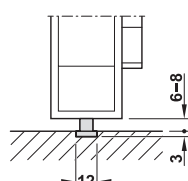
Corner suspension

Note

Please see installation instructions for exact calculation of door width and required door preparation details.
The number of butt hinges depends on the door height.
With the **corner suspension variant** with butt hinge, systems must generally be planned with a bottom guide track. Exceptions are systems with max. 2 door leaves on both sides, which can also be designed without a bottom guide track.
For the **centre suspension variant**, there is the option of using a bottom track or not.
In the variant without a bottom guide track, we recommend setting the gap dimension between the floor and the lower edge the door to 6–8 mm, since the pair of doors could otherwise come into contact with the floor because of the slightly swinging folding movement if the gap dimension is too small.



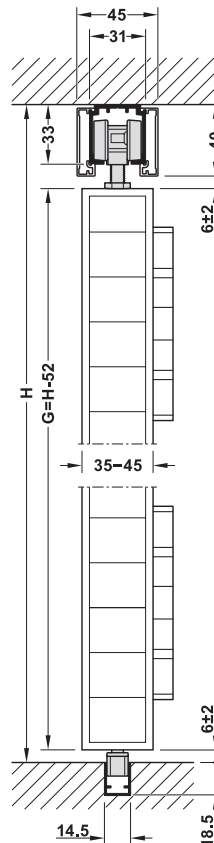
Bottom pivot bearing
Recessed, without bottom track



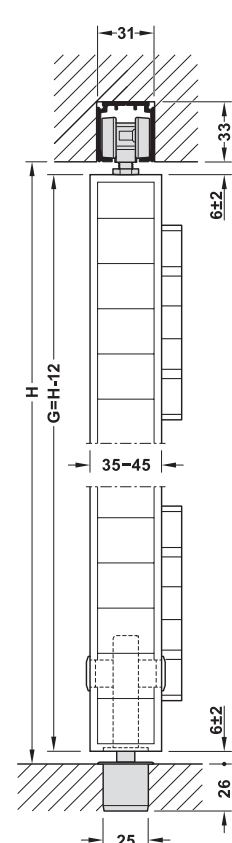
- > For corner and centre suspension
- > Space-saving 1.5-door variant up to a maximum folding element width of 1200 mm
- > Butt hinge on vertical door edge



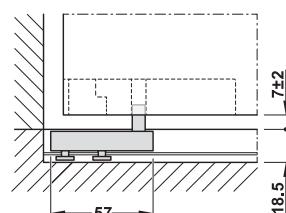
- > Area of application: For flexible passage and visual separation
- > Door weight: ≤ 50 kg
- > Door height: ≤ 2500 mm
- > Door width: 350–650 mm
- > Note on door width: For the 1.5-door variant, the **folding element width** is ≤ 1200 mm at ≤ 80 kg weight, the revolving door width is ≤ 800 mm
- > Door thickness: 35–45 mm
- > Internal opening width: Single-sided system 4 m, double-sided system 8 m
- > Max. number of door leaves: 5.5 (centre suspension) or 6 (corner suspension) per side
- > Adjustment facility: Height ± 2 mm
- > Finish: Running, guide tracks and panels: Aluminium silver coloured or black anodized



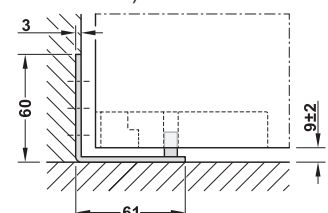
For corner and centre suspension, bottom: with floor guide for corner and centre suspension



For corner and centre suspension, Bottom: with optional floor lock in floor socket (optional, possible in bottom track)



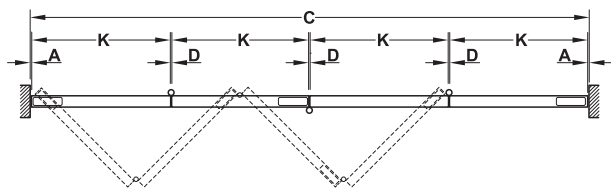
Bottom pivot bearing
in bottom track



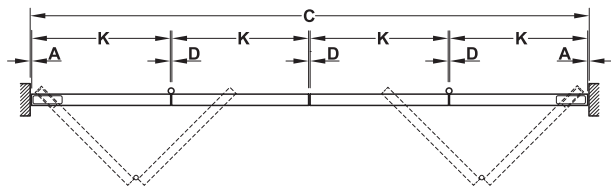
Optional: angular pivot bearing
For integrated wall mounting

→ Calculation of door width

Corner suspension



$$K = (C - A - D - D - D - A) / 4$$



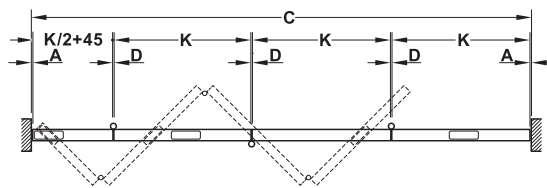
$$K = (C - A - D - D - D - A) / 4$$

A = Wall distance between wall and door edge
C = Total system width
D = Gap dimension 4 mm (with seal)
K = Door width

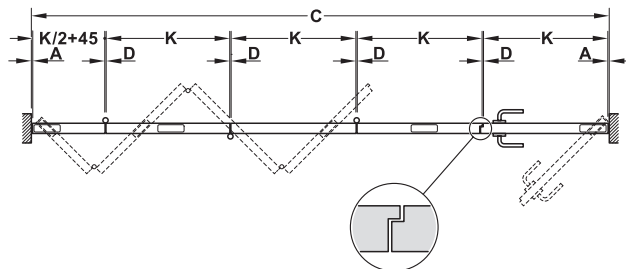
Note

Further machining dimensions and details can be found in the installation instructions.

Centre suspension



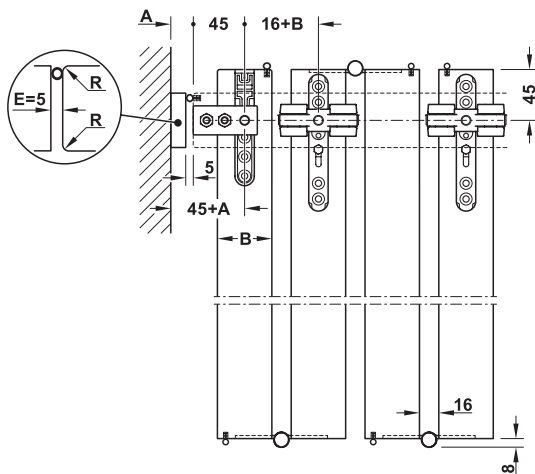
$$K = (C - A - 45 - D - D - D - A) / 3.5$$



$$K = (C - A - 45 - D - D - D - A) / 4.5$$

→ Wall connection with folded door stack

Corner suspension



Example of straight wall connection, vertical door edge rounded off with radius R

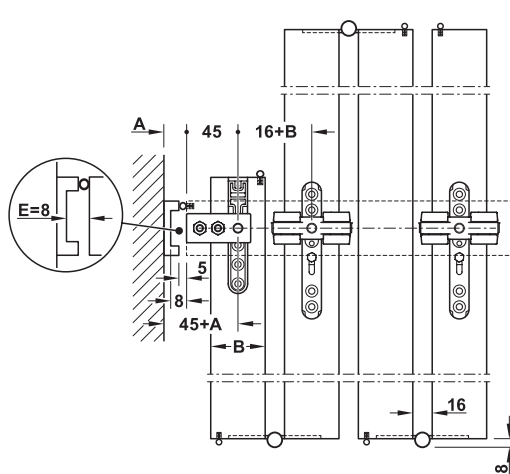
A = Wall distance between wall and door edge
B = Door thickness
E = Opening width rotating range

B	26–35 mm	36–40 mm	41–45 mm
R	≥1 mm	≥2 mm	≥3 mm

Note

The wall connection profile must be slightly milled out in the centre or the vertical door edge must be rounded off towards the wall connection with the corresponding radius.
Other wall connection variants can be found in the installation instructions.

Centre suspension



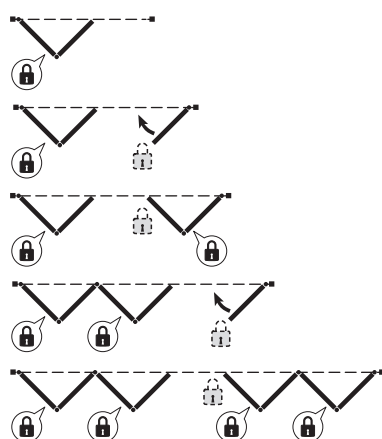
Example of wall connection with profile milled out in the center

Note

In the open position, the folding package parks parallel or slightly inclined/V-shaped depending on the door thickness as well as the number of door leaves.

→ Position and type of locks

Corner suspension

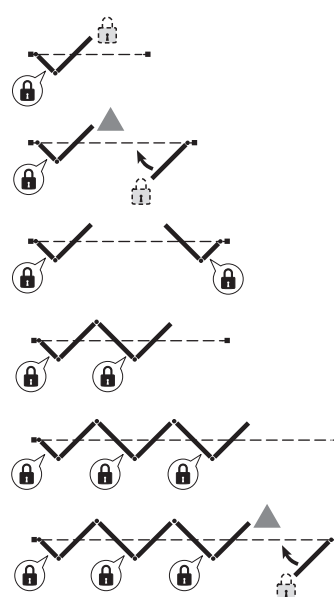


-  Floor spring, optional
-  Mortice lock
-  Flush bolt
-  Hinged door

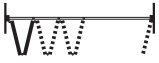
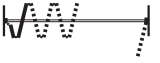
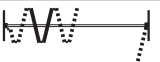
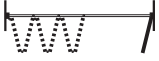
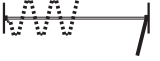
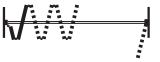
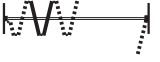
Note

The lock with the flush bolts to the running or guide track must be released on site.

Centre suspension



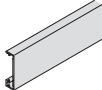
→ Sets

	Corner suspension	Centre suspension	Version	Supplied with	Cat. No.
For systems with bottom track					
Basic set			With pivot bearing at top and bottom	1 running gear, with support flange 2 pivot bearings (1 each top/bottom) 1 guide, bottom 1 mounting block for bottom pivot bearing	940.42.513
Additional set			With guide at top and bottom	1 running gear, with support flange, 1 guide, bottom	940.42.514
Set for access door Door width ≤800 mm			With pivot bearing at top and bottom	2 pivot bearings (1 each top/bottom) 1 mounting block for bottom pivot bearing	940.42.515
For systems without bottom track (for variant with systems with corner suspension with max. 2 doors on both sides)					
Basic set			With pivot bearing at top and point bearing with adjustable sleeve at bottom	1 running gear, with support flange 2 pivot bearings (1 each top/bottom)	940.42.510
Additional set	–		With top guide	1 running gear, with support flange	940.42.511
Set for access door Door width ≤800 mm		–	With pivot bearing at top and bottom	2 pivot bearings (1 each top/bottom)	940.42.512

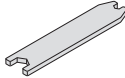
Order reference

Running tracks, guide tracks, hinges and accessories to be ordered separately.

→ Tracks

		Material	Length mm	Silver coloured, anodised	Black anodized
Single running track, pre-drilled, 31 x 33 mm (W x H)		Aluminium	2000	940.43.922	940.43.661
			3000	940.43.932	940.43.662
			4000	940.43.942	–
			6000	940.43.962	940.43.663
Clip panel, Height 38 mm		Aluminium	2000	940.43.711	940.43.712
			3000	940.43.713	940.43.715
			6000	940.43.714	940.43.716
Guide track		Aluminium	2000	940.42.832	940.42.842
			3000	940.42.833	940.42.843
			6000	940.42.836	940.42.846

→ Individual components and accessories

		Material	Finish/ colour	Length mm	Cat. No.
DHB 2122 butt hinge, for flush door leaves, Load bearing capacity 80 kg		Stainless steel, quality AISI 201	Matt	–	926.98.010
			Matt black, PVD coated	–	926.98.013
Magnet for door alignment, including counterplate, adjustable for vertical gap dimension 0–4.5 mm		Housing: plastic, Counterpiece: Steel	Housing: Black, Counterpiece: Powder coated black	–	940.42.454
DS 9608 rebate seal, suitable for gap dimension 4–5 mm		Silicone	White	25000	950.09.487
			Beige	25000	950.09.484
			Black	25000	950.09.483
Angular pivot bearing for wall mounting for door thickness 26–40 mm		Steel	Powder coated black	–	940.42.455
Floor spring With rosette and floor socket For systems with or without bottom track		Steel	Zinc plated	–	943.55.070
Hexagon socket key for floor lock		Steel	Zinc plated	–	943.55.072
Mounting tool, key size SW7 and SW13		Steel	Zinc plated	–	940.43.032

Note

The vertical gap dimensions between the door leaves are fixed at 4 mm and are closed with the DS 9608 rebate seal.

Please refer to the installation instructions for the milling depth of the butt hinges.

Order the mounting tool for the top support flange separately.

Door alignment magnets are milled into the vertical door edge and are mandatory for door alignment.

Required number of hinges and magnets for door alignment

Door height	Number of hinges	Number of magnets for door alignment
Up to 2000 mm	2 Pieces	1 Piece
2001–2500 mm	3 Pieces	2 Pieces

Sliding door locks	► AH 4.52 ► AH 9.359
Flush bolt	► AH 4.291
Concealed door hinge	► AH 6.84
Butt hinge	► AH 6.53
Flush pull handles	► AH 9.368