

Folding door system

► WingLine S / attached to the side



Economic miracle

Reliable technology at unbeatable value for money: the WingLine S folding door system manages without bottom

guide – the optimum solution for small fronts in particular.



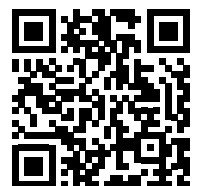
Differentiating the easy way:
The modular principle makes easy work of upgrading hinged door cabinets.



Soft opening, quiet closing:
Even more luxurious convenience for WingLine S with Push to move and Pull to move Silent.



Handleless perfection:
The elegant solution for high quality cabinet and wardrobe design.

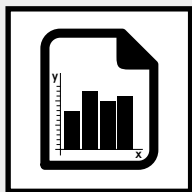


hettich.com/short/08b89f

Find out more:
You can get inspiration and further product details on our website.

Folding door system

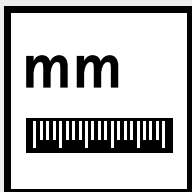
- ▶ WingLine S / attached to the side
- ▶ Summary



Performance summary

546

- ▶ Design principle
- ▶ General information
- ▶ Door format and door weight



Planning dimensions in brief

547 - 550



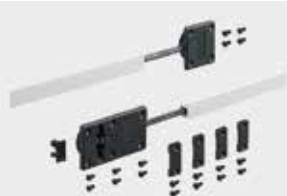
System components

551 - 556



Locking systems

599



Accessories

583 - 593



Technical information

- ▶ Design advice sliding door systems
- ▶ Quality criteria

594 - 596

597 - 598



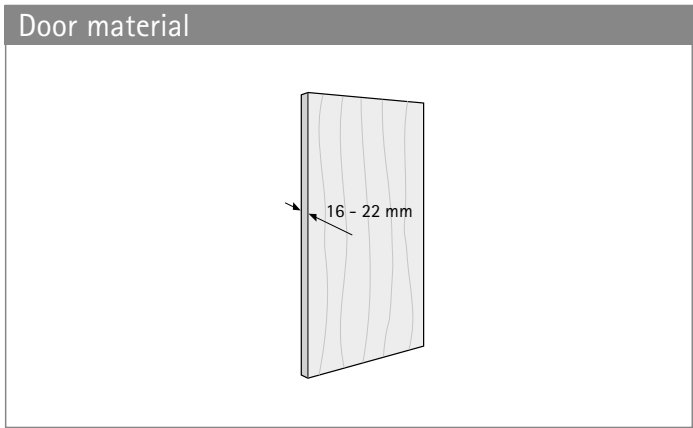
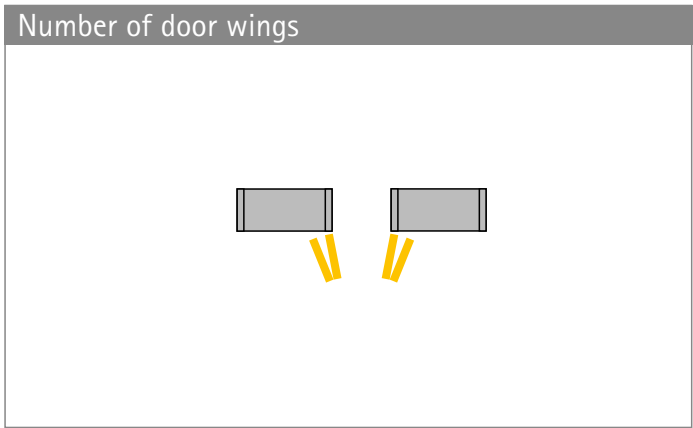
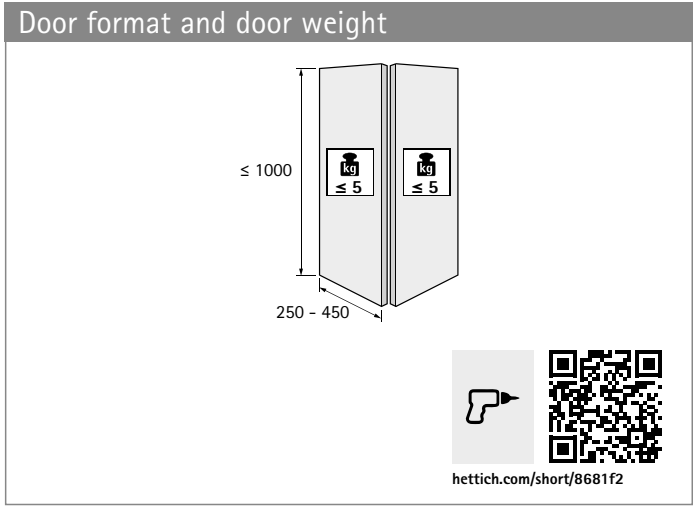
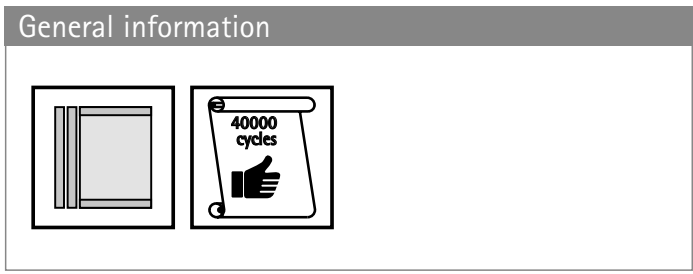
Hettich Technical Assistant

- ▶ Planning dimensions and installation
- ▶ Settings
- ▶ Service

hettich.com/short/b46cf2

Folding door system

- ▶ WingLine S / attached to the side
- ▶ Performance summary



Opening assistance required? Classic front with handle or purist look without handles?

Pull to move Silent and Push to move are two innovative and unique opening mechanisms for folding door systems. A slight pull on the handle or gentle push on the (handleless) front automatically opens the door all the way, taking it to the open position in a cushioned movement. A fascinating opening effect that works all mechanically! This means it requires neither cables nor any connection to the power supply.

Door with handle	Door without handle
<p>No opening mechanism The door is opened and closed by hand.</p>	<p>Push to move The door opens automatically in response to a light press on the front and is returned to the closed position by hand.</p>
<p>Pull to move Silent The door opens automatically from a 35° opening angle in response to a slight pull on the handle and is returned to the closed position in a cushioned movement.</p>	

Folding door system

- ▶ WingLine S / attached to the side
- ▶ Planning dimensions in brief

Operating principle

The operating principle diagrams illustrate the side and top views of the folding door system. The side view shows the door panels with 'Sensys 8645i' hinges and 'Folding door hinge' components. A 'Guide' is shown at the top. Dimensions include 26, 26,5, 2, and 40. The top view shows the door panels with 'Folding door hinge' components and 'Pivot adjustment' and 'Reveal adjustment' features. Dimensions include 5,5 and 52. A side view of the hinge assembly shows a 'Side connected to side' and 'Folding door side' with dimensions 15, Reveal, and ≤ 15.

Pivot offset
 0 mm = not possible for folding doors
 3 mm = possible for folding doors
 6 mm = recommended for folding doors

Planning dimensions

The planning dimensions diagram shows the door panel with dimensions A and F. The door panel is shown in a perspective view.

Note:
 "See Planning dimensions in brief /
 Influence of cabinet body hinges"

Drilling pattern

The drilling pattern diagram shows the dimensions for the Sensys 8645i, Folding door hinge, and Guide. The diagram includes dimensions for the hinge and guide, such as 5,5, 5, 52, 20, 27, 5, 10, 11,5, 35, 12,8, 35, 12, and 35, 11,5.

Note: cabinet body hinge C dimension is determined by overlay and mounting plate.
 (see section on cabinet body hinges)

Folding door system

- ▶ WingLine S / attached to the side
- ▶ Planning dimensions in brief

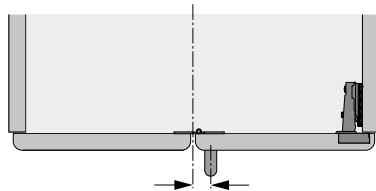
Selection guide

The following planning information is required for selecting the correct WingLine S articles in just a few easy steps:

- ▶ Number of folding doors
- ▶ Door wing width (mm)
- ▶ Door wing weight (kg)

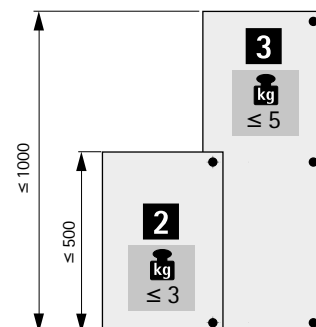
Opening assistance required? Classic front with handle or purist look without handles?		Is spring assisted self closing feature needed in the hinge and in the running and guide components?													
<table border="1"> <thead> <tr> <th>Door with handle</th> <th>Door without handle</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> · Pull to move Silent · No opening assistance </td> <td> <ul style="list-style-type: none"> · Push to move </td> </tr> </tbody> </table>	Door with handle	Door without handle	<ul style="list-style-type: none"> · Pull to move Silent · No opening assistance 	<ul style="list-style-type: none"> · Push to move 		<table border="1"> <thead> <tr> <th>Opening mechanism</th> <th>Self closing feature</th> </tr> </thead> <tbody> <tr> <td>Push to move</td> <td>No self closing feature</td> </tr> <tr> <td>Pull to move Silent</td> <td>With self closing feature</td> </tr> <tr> <td>No opening mechanism</td> <td>With self closing feature</td> </tr> </tbody> </table>	Opening mechanism	Self closing feature	Push to move	No self closing feature	Pull to move Silent	With self closing feature	No opening mechanism	With self closing feature	
Door with handle	Door without handle														
<ul style="list-style-type: none"> · Pull to move Silent · No opening assistance 	<ul style="list-style-type: none"> · Push to move 														
Opening mechanism	Self closing feature														
Push to move	No self closing feature														
Pull to move Silent	With self closing feature														
No opening mechanism	With self closing feature														
What opening force is needed for Push / Pull to move Silent?		Is a bottom door guide required?													
<p>Please use WingLine L for heavier doors and for wider doors.</p>		<p>A bottom door guide is optional. A trial mounting is recommended.</p>													
		Where will the bottom door guide be positioned?													
		<table border="1"> <thead> <tr> <th>Cabinet with plinth</th> <th>Guide profile underneath bottom panel</th> </tr> </thead> <tbody> <tr> <th>Cabinet without plinth</th> <td> <ul style="list-style-type: none"> Guide profile on front of bottom panel Guide profile underneath structural panel </td> </tr> </tbody> </table>	Cabinet with plinth	Guide profile underneath bottom panel	Cabinet without plinth	<ul style="list-style-type: none"> Guide profile on front of bottom panel Guide profile underneath structural panel 									
Cabinet with plinth	Guide profile underneath bottom panel														
Cabinet without plinth	<ul style="list-style-type: none"> Guide profile on front of bottom panel Guide profile underneath structural panel 														

Which position to select for a handle?



Handle position	Recommended on side connected folding door wing, but also possible on second folding door wing
Distance to centre gap	Minimum spacing recommended

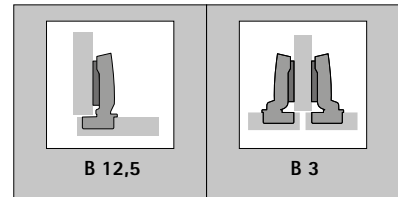
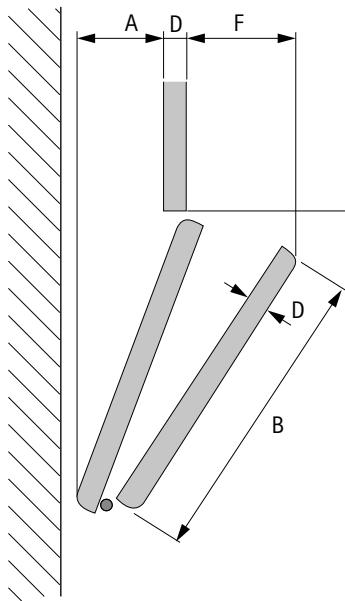
How many hinges to select?

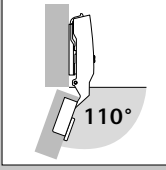
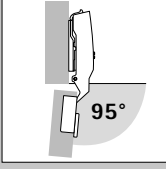


Folding door system

- ▶ WingLine S / attached to the side
- ▶ Planning dimensions in brief

Influence of cabinet body hinges without opening angle limiter



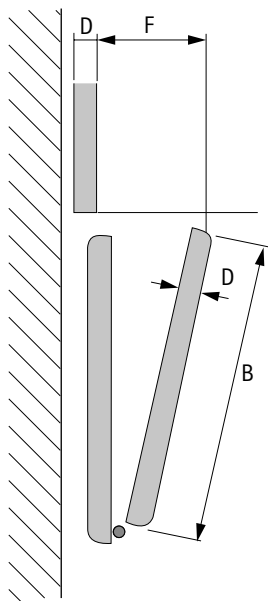
	D	B	B 12,5		B 3	
			A	F	A	F
 <p>Sensys 8645i / 8675 (actual opening angle = 100°)</p>	16	250	31	58	21	68
		300	41	58	32	68
		450	73	58	63	68
	18 / 19	250	31	61	21	71
		300	41	61	32	71
		450	73	61	63	71
	22	250	31	64	21	74
		300	41	64	32	74
		450	73	64	63	74
25	250	31	67	21	77	
	300	41	67	32	77	
	450	73	67	63	77	
 <p>Sensys 8631i / 8631 *</p>	16	250	13	70	4	79
		300	18	72	8	82
		450	31	78	21	87
	18 / 19	250	13	73	4	82
		300	18	75	8	84
		450	31	81	21	90
	22	250	13	74	4	85
		300	18	78	8	87
		450	31	84	21	93
	25	250	13	78	4	88
		300	18	81	8	90
		450	31	86	21	96

* Reduced opening angles of 95° restrict soft opening performance.

Folding door system

- ▶ WingLine S / attached to the side
- ▶ Planning dimensions in brief

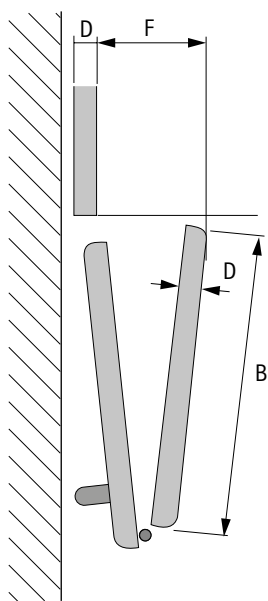
Influence of cabinet body hinges with opening angle limited to 90°



* Reduced opening angles of 90° restrict soft opening performance.

D	B	B 12,5		B 3	
		F	F	F	F
16	250	89	99		
	300	95	105		
	450	111	120		
18 / 19	250	92	102		
	300	98	108		
	450	113	123		
22	250	95	105		
	300	101	111		
	450	116	126		
25	250	98	108		
	300	104	114		
	450	119	129		

Influence of cabinet body angle hinges with opening angle limited to 85°



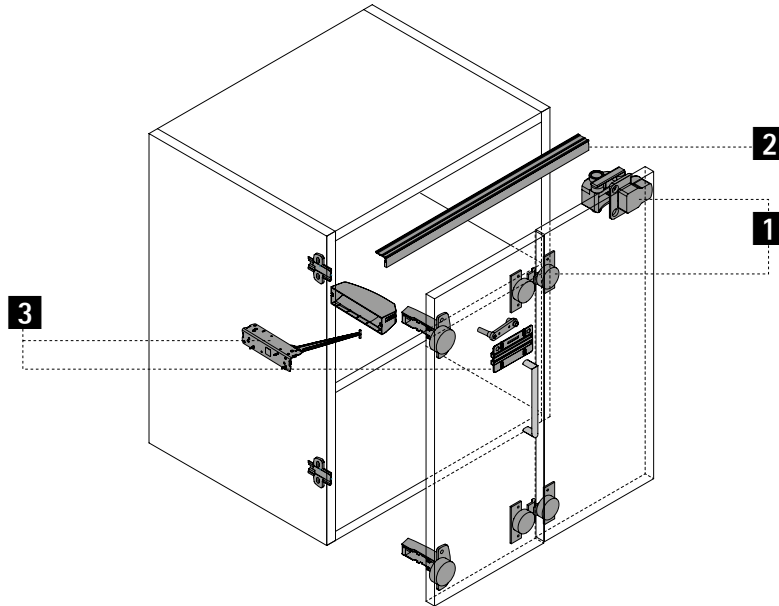
* Reduced opening angles of 85° restrict soft opening performance.

D	B	B 12,5		B 3	
		F	F	F	F
16	250	115	125		
	300	127	136		
	450	159	169		
18 / 19	250	118	128		
	300	130	139		
	450	162	172		
22	250	121	131		
	300	133	142		
	450	165	175		
25	250	124	133		
	300	136	145		
	450	168	178		

Folding door system

- ▶ WingLine S / attached to the side
- ▶ System components

System summary



1 Basic fitting



2 Guide profiles



3 Units for user convenience



4 System accessories




Folding door system


- ▶ WingLine S / attached to the side
- ▶ System components

1 Basic fitting

Guiding components

Illustration	Application	Colour	Order no. / mounting side		PU
			left	right	
	<ul style="list-style-type: none"> ▶ Without user friendly unit ▶ Pull to move Silent ▶ With self closing feature 	grey	9 283 230	9 283 117	1/10 ea.
		white	9 283 236	9 283 234	1/10 ea.
		black	9 283 240	9 283 239	1/10 ea.
	<ul style="list-style-type: none"> ▶ Push to move ▶ Without self closing feature 	grey	9 283 248	9 283 243	1/10 ea.
		white	9 283 262	9 283 261	1/10 ea.
		black	9 283 264	9 283 263	1/10 ea.

Door damper

Illustration	Installation note	Colour	Order no.	PU
	<ul style="list-style-type: none"> ▶ One door damper must be fitted for each running and guide component ▶ Can be shortened as required (to suit door overlay) 	grey	9 283 265	1/10 ea.
		white	9 283 267	1/10 ea.
		black	9 283 268	1/10 ea.

Advice

- ▶ Locking systems 599
- ▶ Accessories for sliding door systems 583 - 593
- ▶ Design advice 594 - 596





hettich.com/short/c58da7

Folding door system

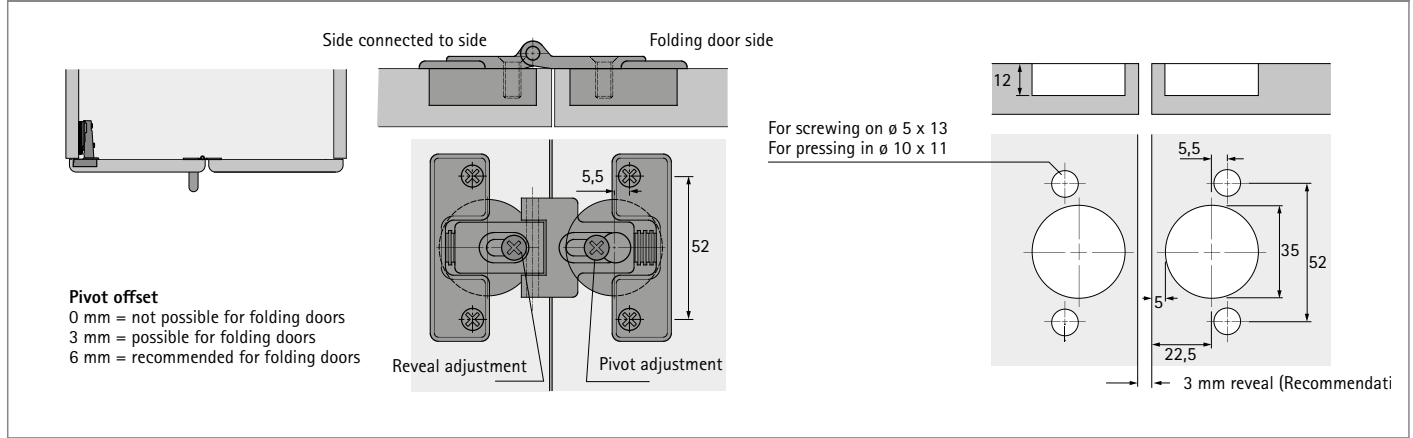
- ▶ WingLine S / attached to the side
- ▶ System components

Centre hinge set with adjustable reveal and pivot point

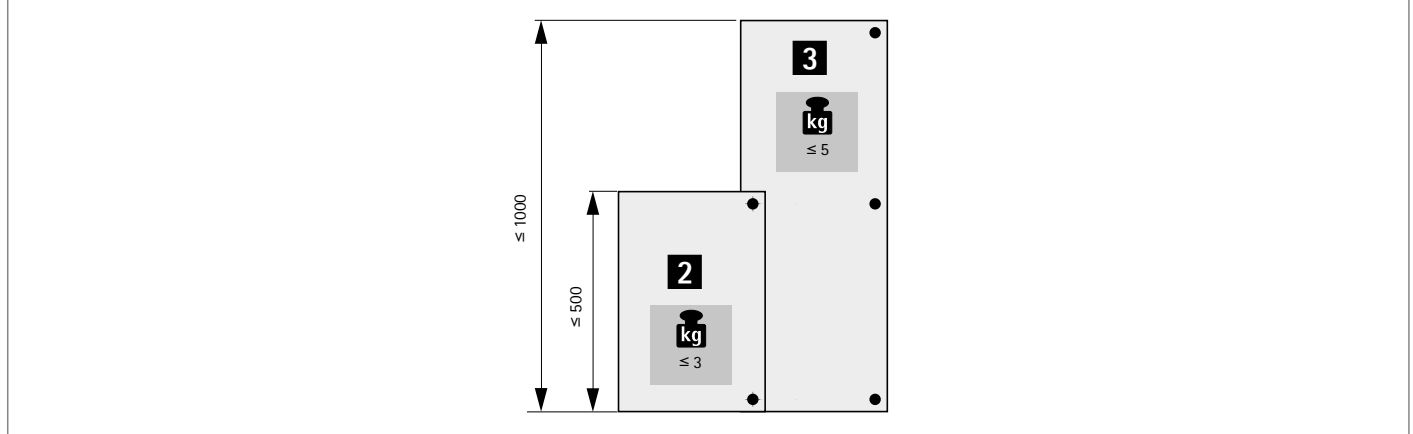
- ▶ Set contains centre hinges for folding doors with 2 wings, including fixing material

Illustration	Description	Version	Order no.	PU
	2 centre hinges, including fixing material	for screwing on	9 278 694	1 set
		for pressing in	9 278 788	1 set
	3 centre hinges, including fixing material	for screwing on	9 278 742	1 set
		for pressing in	9 278 787	1 set

Planning dimensions for centre hinge with adjustable reveal and pivot point



Recommended number of cabinet body and centre hinges



Advice	
▶ Locking systems	599
▶ Accessories for sliding door systems	583 - 593
▶ Design advice	594 - 596

hettich.com/short/c58da7


Folding door system

- ▶ WingLine S / attached to the side
- ▶ System components

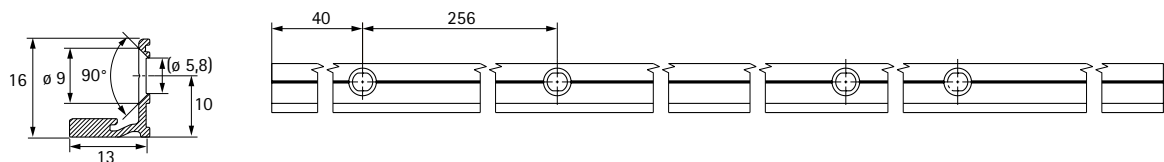
2 Guide profiles

Profile set

- ▶ Set contains one runner profile with predrilled screw on positions, including fixing material and profile mounting clip
- ▶ Aluminium

Illustration	Length mm	Finish / colour	Order no.	PU
	1200	anodised	9 279 130	1 set
		powder coated white	9 279 167	1 set
		powder coated black	9 279 161	1 set
	2400	anodised	9 279 162	1 set
		powder coated white	9 279 181	1 set
		powder coated black	9 279 163	1 set

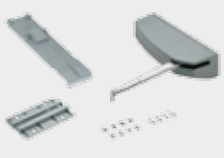
Ordering information and planning dimensions for guide profiles



3 Units for user convenience




Push to move basic set

- ▶ Set, comprising opening mechanism without stay closed function, with fixing material and drilling template
- ▶ Stay closed function must be ordered separately

Illustration	Duty rating	Colour	Order no. / mounting side		PU
			left	right	
	light	grey	9 266 113	9 266 111	1 set
		white	9 277 702	9 277 703	1 set
		black	9 277 704	9 277 705	1 set
	centre	grey	9 265 960	9 266 112	1 set
		white	9 277 706	9 277 682	1 set
		black	9 277 594	9 277 595	1 set

Stay closed function for Push to move basic set

- ▶ Mandatory accessories for Push to move basic set comprising stay closed function and fixing material

Illustration	Type	Colour	Order no.	PU
	Mechanical stay closed function - for screw mounting below the structural shelf panel - shelf set back by 3 mm	grey	9 282 527	1/10 set
		white	9 282 600	1/10 set
		black	9 282 601	1/10 set
	Designer magnetic stay closed function - for pressing into the structural shelf panel - shelf set back by 8 mm	white	9 282 901	1/10 set
		black	9 282 902	1/10 set
	Standard magnetic stay closed function - for screw mounting in front of the structural shelf panel - shelf set back by 13 mm	grey	9 282 900	1/10 set

Folding door system

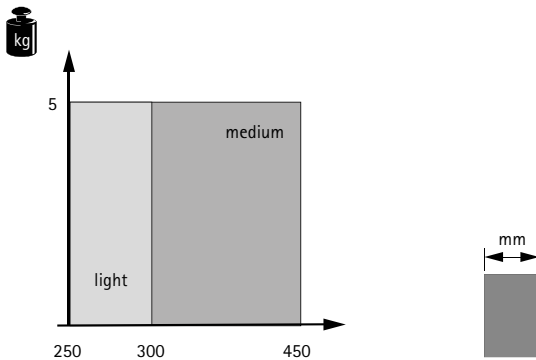
- ▶ WingLine S / attached to the side
- ▶ System components

Pull to move Silent all inclusive set

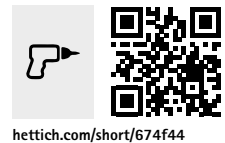
- ▶ Set comprises opening mechanism, fixing material and drilling template

Illustration	Duty rating	Colour	Order no. / mounting side		PU
			left	right	
	light	grey	9 238 120	9 238 119	1 set
		white	9 277 600	9 277 691	1 set
		black	9 277 692	9 277 693	1 set
	centre	grey	9 238 121	9 238 124	1 set
		white	9 277 694	9 277 695	1 set
		black	9 277 696	9 277 697	1 set

Ordering information user friendly units

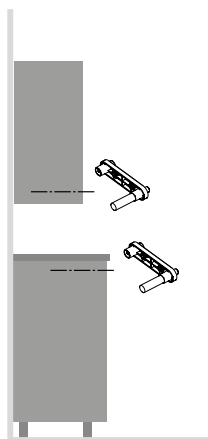


For Push to move and Pull to move Silent to work perfectly for every door wing size and weight, the modules are available in various duty classes. Simply choose the set that is appropriate for your particular application.
The 'Technical Assistant' at: <https://www.hettich.com/short/674f44> will quickly and easily help you to find the right assisted opening version. A trial mounting is also recommended.

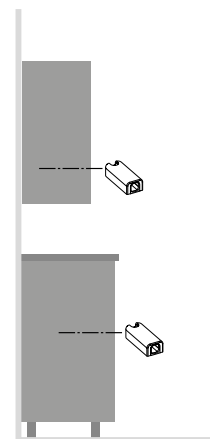


Positioning stay closed functions for Push to move user friendly units

Magnetic stay closed function (standard and designer type)



Mechanical stay closed function



Advice

- ▶ Locking systems 599
- ▶ Accessories for sliding door systems 583 - 593
- ▶ Design advice 594 - 596



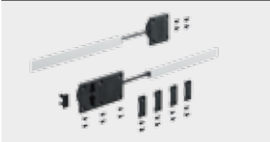
[hettich.com/short/c58da7](https://www.hettich.com/short/c58da7)

Folding door system

- ▶ WingLine S / attached to the side
- ▶ System components

4 Accessories

Adjustment fitting

Illustration	Description	Order no.	PU
	<ul style="list-style-type: none">▶ Can be used for straightening warped furniture fronts or also as a precautionary measure to prevent doors from warping▶ At least one set of adjustment fittings should be used per sliding door	9 252 651	1 set