



# Flap fittings

## ► Summary of ranges

### Flap fittings

Range summary / Technical comparison

274 – 275



### Lift Advanced

Summary

276 – 277



### Other flap fittings

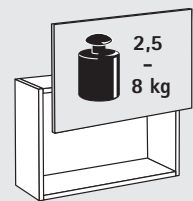
Summary

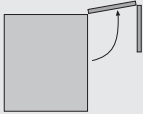
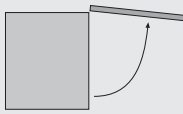
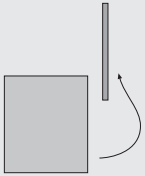
288 – 289



Technical Information  
Calculating flap weights

313



	Folding-flap fitting	Upward opening flap fitting	Flap lift fitting
			
Application width / height Inside carcase depth Weight	<b>Lift Advanced HF</b> (p. 276 - 277) min. 300 mm / 440 - 925 mm min. 182 mm 3.8 - 15.4 kg	<b>Lift Advanced HK</b> (p. 276 - 277) min. 300 mm / 276 - 720 mm min. 182 mm 2.0 - 17.9 kg	<b>Lift Advanced HL</b> (p. 276 - 277) min. 360 mm / 277 - 462 mm min. 182 mm 1.7 - 17.6 kg
Application width / height Inside carcase depth Weight	-	<b>Lift Junior</b> (p. 295) 300 - 1000 mm / 200 - 500 mm min. 45 mm 2.5 kg max.	<b>Ewiva</b> (p. 290 - 291) 450 - 1500 mm / min. 323 mm min. 275 mm 2.5 - 8.0 kg
Application width / height Inside carcase depth Weight	-	<b>Lift</b> (p. 296) 300 - 1000 mm / 200 - 500 mm min. 45 mm 4.6 kg max.	<b>HLB</b> (p. 292) 450 - 1470 mm / min. 320 mm min. 220 mm 8.5 kg max.
Application width / height Inside carcase depth Weight	-	<b>Lift Alu</b> (p. 297) 300 - 1000 mm / 200 - 500 mm min. 45 mm 4.3 kg max.	<b>HLB</b> (p. 293) 420 - 870 mm / 330 - 450 mm at least 215 mm 5.0 kg max.
Application width / height Inside carcase depth Weight	-	-	-
Application width / height Inside carcase depth Weight	-	-	-

Lift-up flap fitting	Up-and-under fitting	Flap stay	Flap stay
<b>Lift Advanced HS</b> (p. 276 - 277) min. 360 mm / 372 - 688 mm min. 182 mm 2.5 - 15.3 kg	<b>Lift Up</b> (p. 294) max. 1200 mm / 145 - 400 mm min. 339 mm 8.0 kg max.	<b>KLS 10</b> (p. 298) max. 600 mm / max. 500 mm min. 150 mm 6.0 kg max.	<b>Aquila</b> (p. 305 - 307) - / 200 - 480 mm min. 290 mm 3.0 - 12.0 kg
-	-	<b>KLS 20</b> (p.299 ) min. 60 mm / - - -	<b>Klassik D</b> (308 - 310) min. 60 mm / 290 - 625 mm min. 45 mm 8.0 kg max.
-	-	<b>KLS 30</b> (p. 300) 450 - 600 mm / 260 - 500 mm min. 45 mm 4.0 kg max.	<b>Centra S</b> (p. 311) min. 60 mm / min. 310 mm min. 170 mm -
-	-	<b>KLS 40</b> (p. 301) min. 60 mm / min. 250 mm min. 150 mm 6.0 kg max.	<b>KH</b> (p. 312) min. 60 mm / min. 205 mm min. 150 mm -
-	-	<b>KLS 50</b> (p. 302 - 303) min. 60 mm / 300 - 700 mm min. 135 mm 8.9 kg max.	-
-	-	<b>Lift Basic</b> (p. 304) max. 600 mm / max. 400 mm min. 50 mm 3.2 kg max.	-



A modern kitchen is expected to be packed with many different functions and ergonomic arrangements. The Lift Advanced flap fitting meets that requirement in several respects. The fitting comes in four outstanding varieties

with you can meet simply every requirement. The special advantage of Lift Advanced: it uses the same cabinet drilling pattern for all four varieties.



Lift Advanced is suitable for various carcase widths and heights, for wooden fronts, as well as for fronts with wood or aluminium frame.



Three-dimensional front adjustment guarantees perfect gap alignment.



Powerful gas springs let the Lift Advanced open and close comfortably.



Superior convenience: Lift Advanced with individually adjustable opening force and cushioned closure.



**Lift Advanced**  
Range summary / Technical comparison

278 – 279



**Lift Advanced HF**  
Folding-flap fitting

280 – 281



**Lift Advanced HK**  
Upward opening flap fitting

282 – 283



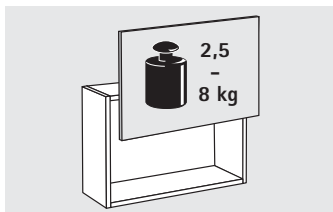
**Lift Advanced HL**  
Flap lift fitting

284 – 285



**Lift Advanced**  
Lift-up flap fitting

286– 287






**Technical Information**  
► Calculating flap weights


313



**Assembly aids**

2681

	Lift Advanced HF	Lift Advanced HK	Lift Advanced HL
			
Page	280 - 281	282 - 283	284 - 285
Flap movement	Folding-flap fitting	Upward opening flap fitting	Flap lift fitting
Flap weight	15.4 kg max. (including handle)	17.9 kg max. (including handle)	17.6 kg max. (including handle)
Adjustable opening force	Yes	Yes	Yes
Silent System integrated	Cushioned closing action	Cushioned closing action	Cushioned closing action
Material door / door frame	Wood / wooden frame / 19 mm wide aluminium profile frame	Wood / wooden frame / 19 mm wide aluminium profile frame	Wood / wooden frame / 19 mm wide aluminium profile frame
Inside carcase dimensions			
Depth	Min. 182 mm	Min. 182 mm	Min. 182 mm
Width	Min. 300 mm	Min. 300 mm	Min. 360 mm
Front adjustment			
Height	± 2 mm	depending on hinge used	± 2 mm
Side	± 2 mm		± 2 mm
Tilt / Depth	± 2 mm		± 2 mm
Material			
Housing	Plastic, grey	Plastic, grey	Plastic, grey
Hinge mechanism	Powder-coated aluminium, silver	Powder-coated aluminium, silver	Powder-coated aluminium, silver

Lift Advanced	
	
286 - 287	
Lift-up flap fitting	
15.3 kg max. (including handle)	
Yes	
Cushioned closing action	
Wood / wooden frame / 19 mm wide aluminium profile frame	
Min. 182 mm Min. 360 mm	
± 2 mm ± 2 mm ± 2 mm	
Plastic, grey Powder-coated aluminium, silver	



- Folding-flap fitting
- Lift Advanced HF



- For wooden fronts or framed wooden fronts or fronts with 19 mm wide aluminium profile
  - Adjustable opening force
  - Silent System integrated – soft-closing action
  - Flap weight including handle 3.8 – 15.4 kg (gas springs must be ordered separately, see below)
  - Flaps of unequal height can be selected for an internal carcass height of 490 mm and over
  - It is recommended to use fast-assembly concealed hinges with an opening angle of at least 110°, e.g. Sensys 8645i or Intermat 9943, see pages 26 – 27
  - Three-dimensional front adjustment: vertical  $\pm 2$  mm, horizontal  $\pm 2$  mm, tilt / depth  $\pm 2$  mm
  - Cross member or centre hinge not required
  - Powder-coated aluminium, silver / grey plastic
- Drilling jig for cabinet drilling pattern, see page 2759

## Lift Advanced HF



Set comprises:

- 1 pair of flap fittings, right and left
- 1 pair of cover caps, right and left
- Fixing material

Inside carcass height mm	Order no.	PU
440 – 550	<b>9 079 605</b>	1 set
551 – 610	<b>9 079 607</b>	1 set
611 – 700	<b>9 079 610</b>	1 set
701 – 770	<b>9 079 614</b>	1 set
771 – 925	<b>9 079 615</b>	1 set

## Gas spring for adapting to different flap weights



- Simple installation and removal
- Note: If selection table shows a choice of two springs, select the stronger spring.

Set comprises:

- 2 gas springs

Inside carcass height mm 440 – 550	Inside carcass height mm 551 – 610	Inside carcass height mm 611 – 700	Inside carcass height mm 701 – 770	Inside carcass height mm 771 – 925	Spring force N	Order no.	PU
4.4 – 5.8 kg	4.0 – 6.0 kg	–	–	–	300	<b>9 079 624</b>	1 set
5.1 – 6.6 kg	4.5 – 6.7 kg	3.8 – 5.8 kg	4.0 – 5.2 kg	–	350	<b>9 079 626</b>	1 set
6.0 – 8.0 kg	5.3 – 7.6 kg	4.6 – 7.0 kg	4.6 – 5.9 kg	4.0 – 5.5 kg	400	<b>9 079 628</b>	1 set
6.8 – 9.2 kg	6.2 – 8.6 kg	5.9 – 8.0 kg	5.3 – 6.7 kg	4.9 – 6.5 kg	450	<b>9 079 630</b>	1 set
7.8 – 10.2 kg	7.0 – 9.3 kg	6.9 – 8.9 kg	5.9 – 7.4 kg	5.5 – 7.0 kg	500	<b>9 079 632</b>	1 set
8.9 – 11.2 kg	8.0 – 10.3 kg	8.0 – 9.9 kg	6.7 – 8.3 kg	6.0 – 7.7 kg	550	<b>9 079 635</b>	1 set
10.5 – 12.6 kg	9.1 – 11.4 kg	8.8 – 10.8 kg	7.8 – 9.3 kg	6.9 – 8.7 kg	600	<b>9 079 637</b>	1 set
12.2 – 14.2 kg	10.5 – 12.6 kg	10.1 – 12.0 kg	8.5 – 10.4 kg	7.9 – 9.8 kg	650	<b>9 079 644</b>	1 set
13.2 – 15.0 kg	11.7 – 13.6 kg	11.1 – 12.9 kg	9.4 – 11.2 kg	8.7 – 10.5 kg	700	<b>9 079 645</b>	1 set
13.8 – 15.4 kg	12.3 – 14.1 kg	11.6 – 13.5 kg	10.0 – 11.8 kg	9.3 – 11.0 kg	750	<b>9 079 647</b>	1 set
–	13.3 – 14.6 kg	12.6 – 14.4 kg	10.8 – 12.7 kg	10.1 – 11.7 kg	800	<b>9 079 650</b>	1 set
–	–	13.4 – 15.2 kg	11.8 – 13.6 kg	10.7 – 12.6 kg	850	<b>9 079 651</b>	1 set

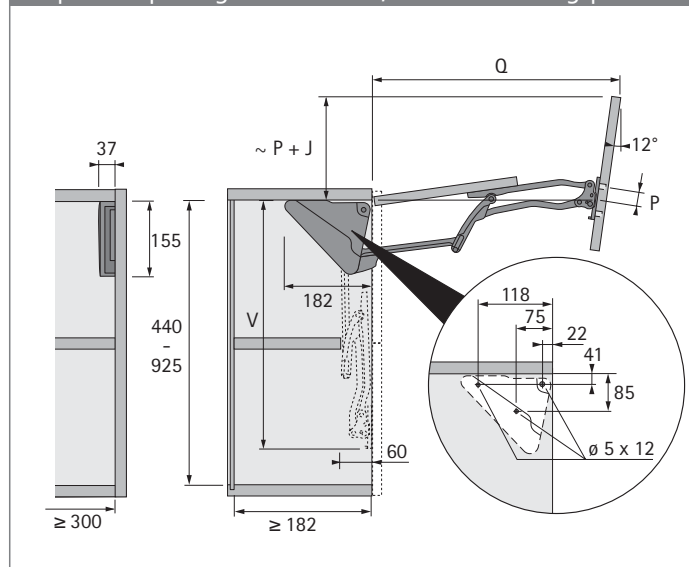
### Adapter for connection to 19 mm width aluminium profiles



- Plastic, grey
- Can only be used for inside carcase heights up to 905 mm

Order no.	PU
9 079 601	1 set

### Flap and opening dimensions / cabinet drilling pattern



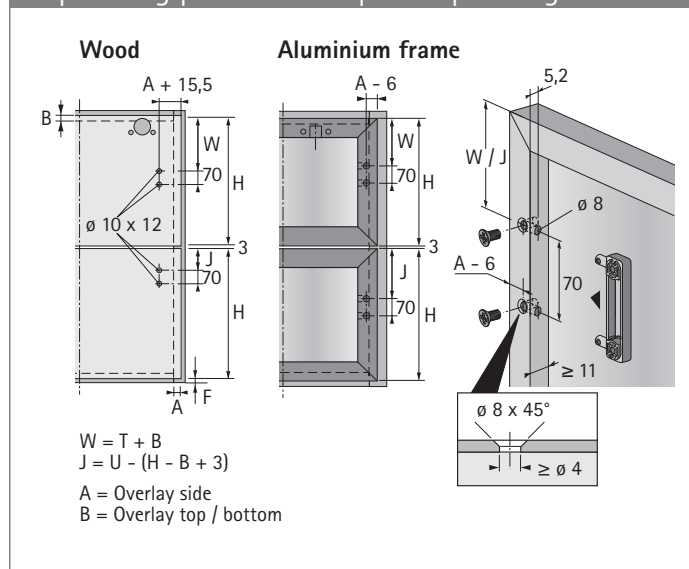
### Assembly information

Inside carcase height mm	P mm	Q mm	V mm	T mm	U mm
440 - 550	61	440	440	120	351
551 - 610	69	474	475	155	386
611 - 700	76	494	505	185	416
701 - 770	84	522	535	215	446
771 - 925	92	547	565	245	476

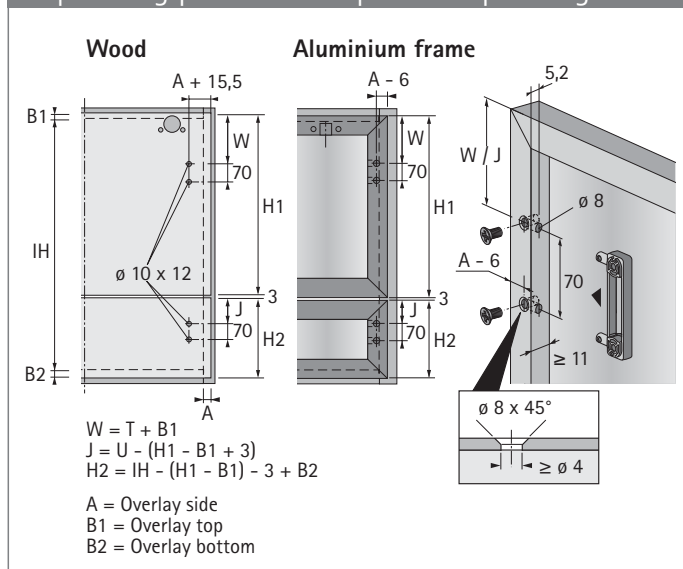
### Fitting to select for flaps of unequal height

Inside carcase height mm	H1 min. mm	H1 max. mm	T mm	U mm	Order no.
490 - 610	B1 + 262	B1 + 346	155	386	9 079 607
520 - 700	B1 + 292	B1 + 376	185	416	9 079 610
550 - 770	B1 + 322	B1 + 406	215	446	9 079 614
580 - 870	B1 + 352	B1 + 436	245	476	9 079 615

### Flap drilling pattern for flaps of equal height



### Flap drilling pattern for flaps of unequal height



- ▶ Upward opening flap fitting
- ▶ Lift Advanced HK



- ▶ For wooden fronts or framed wooden fronts or fronts with 19 mm wide aluminium profile
- ▶ Adjustable opening force
- ▶ Silent System integrated – soft-closing action
- ▶ Flap weight including handle 2.0 – 17.9 kg (gas springs must be ordered separately, see below)
- ▶ It is recommended to use fast-assembly concealed hinges with an opening angle of at least 95°, e.g. Sensys 8645i or Intermat 9943, see pages 26 – 27
- ▶ Three-dimensional front adjustment at concealed hinge
- ▶ Powder-coated aluminium, silver / grey plastic
- ▶ Drilling jig for cabinet drilling pattern, see page 2759

## Lift Advanced HK



Set comprises:

- ▶ 1 pair of flap fittings, right and left
- ▶ 1 pair of cover caps, right and left
- ▶ Fixing material

Inside carcase height mm	Order no.	PU
276 – 720	9 079 603	1 set

## Gas spring for adapting to different flap weights



- ▶ Simple installation and removal
- ▶ Note: If selection table shows a choice of two springs, select the stronger spring.

Set comprises:

- ▶ 2 gas springs
- ▶ It is recommended to use a hinge without soft-closing function for the situations marked \* in the table.

Inside carcase height mm 276 – 360	Inside carcase height mm 361 – 480	Inside carcase height mm 481 – 540	Inside carcase height mm 541 – 600	Inside carcase height mm 601 – 720	Spring force N	Order no.	PU
2.1 – 4.7 kg *	2.0 – 3.8 kg	–	–	–	150	9 079 618	1 set
4.1 – 7.0 kg *	3.3 – 5.4 kg	2.4 – 4.9 kg	–	–	200	9 079 619	1 set
6.1 – 8.9 kg *	4.5 – 6.3 kg	3.8 – 6.2 kg	3.8 – 5.6 kg	3.8 – 5.0 kg	250	9 079 622	1 set
7.8 – 10.7 kg *	5.7 – 7.9 kg	5.2 – 7.6 kg	4.9 – 6.7 kg	4.4 – 5.9 kg	300	9 079 624	1 set
9.7 – 12.4 kg *	7.1 – 9.3 kg	6.6 – 9.0 kg	6.1 – 7.7 kg	5.4 – 6.8 kg	350	9 079 626	1 set
11.5 – 14.3 kg	8.6 – 10.7 kg	8.1 – 10.3 kg	7.2 – 8.8 kg	6.3 – 7.8 kg	400	9 079 628	1 set
13.3 – 16.0 kg	10.2 – 12.1 kg	9.7 – 11.6 kg	8.4 – 10.0 kg	7.3 – 8.7 kg	450	9 079 630	1 set
15.2 – 17.9 kg	11.7 – 13.4 kg	11.0 – 12.8 kg	9.6 – 11.0 kg	8.2 – 9.6 kg	500	9 079 632	1 set
–	12.9 – 14.3 kg	12.4 – 14.1 kg	10.7 – 12.2 kg	9.1 – 10.4 kg	550	9 079 635	1 set
–	14.2 – 15.5 kg	13.7 – 15.4 kg	12.0 – 13.2 kg	10.1 – 11.4 kg	600	9 079 637	1 set
–	15.4 – 16.8 kg	15.0 – 16.7 kg	13.1 – 14.3 kg	11.1 – 12.4 kg	650	9 079 644	1 set



- Flap lift fitting
- Lift Advanced HL



- For wooden fronts or framed wooden fronts or fronts with 19 mm wide aluminium profile
- Adjustable opening force
- Silent System integrated – soft-closing action
- Flap weight including handle 1.7 – 17.6 kg (gas springs must be ordered separately, see below)
- Three-dimensional front adjustment: vertical  $\pm 2$  mm, horizontal  $\pm 2$  mm, tilt / depth  $\pm 2$  mm
- Powder-coated aluminium, silver / plastic grey
- Drilling jig for cabinet drilling pattern, see page 2759

## Lift Advanced HL



Set comprises:

- 1 pair of flap fittings, right and left
- 1 pair of cover caps, right and left
- Fixing material

Inside carcase height mm	Order no.	PU
277 – 312	<b>9 079 595</b>	1 set
313 – 342	<b>9 079 597</b>	1 set
343 – 372	<b>9 079 598</b>	1 set
373 – 402	<b>9 079 599</b>	1 set
403 – 462	<b>9 079 600</b>	1 set

## Gas spring for adapting to different flap weights



- Simple installation and removal
- Note: If selection table shows a choice of two springs, select the stronger spring.

Set comprises:

- 2 gas springs

Inside carcase height mm 277 – 312	Inside carcase height mm 313 – 342	Inside carcase height mm 343 – 372	Inside carcase height mm 373 – 402	Inside carcase height mm 403 – 462	Spring force N	Order no.	PU
2.1 – 3.8 kg	2.3 – 3.8 kg	–	–	–	150	<b>9 079 618</b>	1 set
3.8 – 5.4 kg	3.6 – 5.3 kg	2.1 – 4.8 kg	1.7 – 3.8 kg	–	200	<b>9 079 619</b>	1 set
5.6 – 7.1 kg	5.2 – 7.1 kg	3.3 – 6.0 kg	2.6 – 5.0 kg	3.2 – 4.9 kg	250	<b>9 079 622</b>	1 set
7.3 – 8.8 kg	6.5 – 8.7 kg	4.3 – 7.2 kg	3.8 – 6.3 kg	4.4 – 5.9 kg	300	<b>9 079 624</b>	1 set
8.9 – 10.5 kg	7.9 – 10.2 kg	5.5 – 8.6 kg	4.9 – 7.5 kg	5.4 – 6.8 kg	350	<b>9 079 626</b>	1 set
10.6 – 12.1 kg	9.1 – 11.7 kg	6.6 – 9.7 kg	6.0 – 8.7 kg	6.3 – 7.8 kg	400	<b>9 079 628</b>	1 set
–	10.5 – 13.2 kg	7.8 – 10.9 kg	7.1 – 9.9 kg	7.3 – 8.7 kg	450	<b>9 079 630</b>	1 set
–	11.6 – 14.7 kg	8.9 – 12.2 kg	8.2 – 11.1 kg	8.2 – 9.6 kg	500	<b>9 079 632</b>	1 set
–	12.8 – 16.2 kg	10.0 – 13.4 kg	9.3 – 12.4 kg	9.1 – 10.4 kg	550	<b>9 079 635</b>	1 set
–	14.2 – 17.6 kg	11.2 – 14.6 kg	10.5 – 13.6 kg	10.1 – 11.4 kg	600	<b>9 079 637</b>	1 set
–	–	12.5 – 15.9 kg	11.7 – 14.9 kg	11.1 – 12.4 kg	650	<b>9 079 644</b>	1 set

## Shortenable cross member for Lift Advanced



- Cross member can be shortened, with pre-fitted mounts at the sides
- Aluminium silver effect / grey plastic

Carcase width mm	Order no.	PU
600	9 079 653	1 set
1200	9 079 658	1 set
1800	9 079 664	1 set

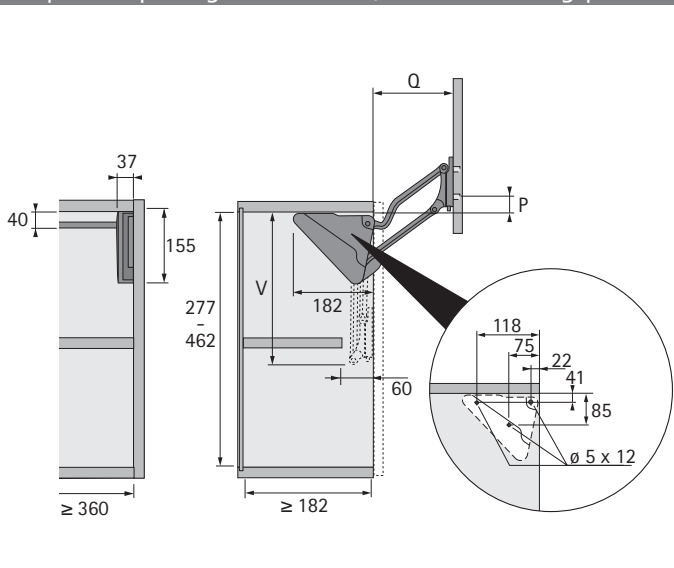
## Adapter for connection to 19 mm width aluminium profiles



- Plastic, grey

Order no.	PU
9 079 601	1 set

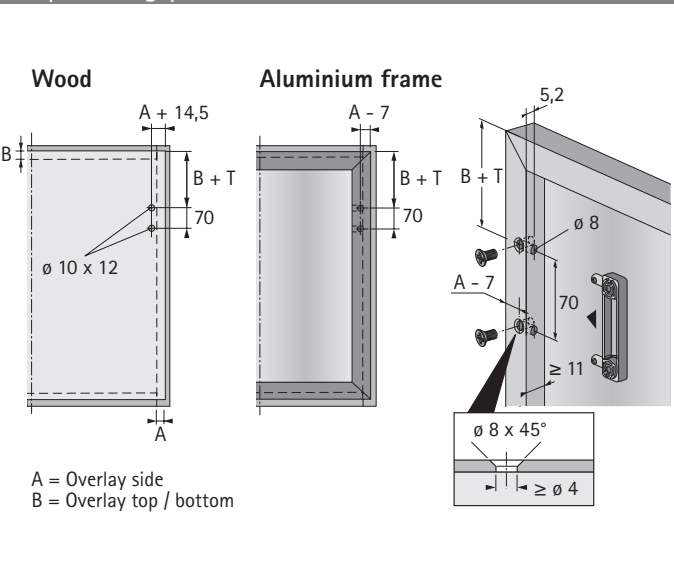
## Flap and opening dimensions / cabinet drilling pattern



## Assembly information

Inside carcass height mm	P mm	Q mm	V mm	T mm
277 - 312	22	126	277	160
313 - 342	44	155	312	195
343 - 372	63	179	342	225
373 - 402	82	203	372	255
403 - 462	100	227	402	285

## Flap drilling pattern



- ▶ Lift-up flap fitting
- ▶ Lift Advanced HS



- ▶ For wooden fronts or framed wooden fronts or fronts with 19 mm wide aluminium profile
- ▶ Adjustable opening force
- ▶ Silent System integrated – soft-closing action
- ▶ Flap weight including handle 2.5 – 15.3 kg (gas springs must be ordered separately, see below)
- ▶ Three-dimensional front adjustment: vertical  $\pm 2$  mm, horizontal  $\pm 2$  mm, tilt / depth  $\pm 2$  mm
- ▶ Powder-coated aluminium, silver / grey plastic
- ▶ Drilling jig for cabinet drilling pattern, see page 2759

## Lift Advanced HS



Set comprises:

- ▶ 1 pair of flap fittings, right and left
- ▶ 1 pair of cover caps, right and left
- ▶ Fixing material

Inside carcase height mm	Order no.	PU
372 – 688	<b>9 079 617</b>	1 set

## Gas spring for adapting to different flap weights



- ▶ Simple installation and removal
- ▶ Note: If selection table shows a choice of two springs, select the stronger spring.

Set comprises:

- ▶ 2 gas springs

Inside carcase height mm	Inside carcase height mm	Inside carcase height mm	Inside carcase height mm	Spring force N	Order no.	PU
372 – 408	409 – 508	509 – 568	569 – 688			
3.0 – 4.4 kg	3.2 – 4.3 kg	2.5 – 3.9 kg	–	200	<b>9 079 619</b>	1 set
4.0 – 5.4 kg	4.2 – 5.4 kg	3.4 – 5.2 kg	3.2 – 4.8 kg	250	<b>9 079 622</b>	1 set
5.3 – 6.7 kg	5.2 – 6.5 kg	4.4 – 6.4 kg	4.0 – 6.1 kg	300	<b>9 079 624</b>	1 set
6.3 – 7.9 kg	6.3 – 7.4 kg	5.4 – 7.4 kg	4.9 – 7.1 kg	350	<b>9 079 626</b>	1 set
7.7 – 9.1 kg	7.3 – 8.6 kg	6.5 – 8.4 kg	5.8 – 8.2 kg	400	<b>9 079 628</b>	1 set
8.8 – 10.3 kg	8.4 – 9.9 kg	7.5 – 9.5 kg	6.8 – 9.1 kg	450	<b>9 079 630</b>	1 set
10.0 – 11.5 kg	9.4 – 10.9 kg	8.6 – 10.5 kg	7.7 – 10.0 kg	500	<b>9 079 632</b>	1 set
11.0 – 12.6 kg	10.5 – 12.1 kg	9.6 – 11.6 kg	8.6 – 11.6 kg	550	<b>9 079 635</b>	1 set
12.1 – 13.8 kg	11.6 – 13.2 kg	10.7 – 12.6 kg	9.6 – 12.6 kg	600	<b>9 079 637</b>	1 set
13.3 – 14.9 kg	12.6 – 14.2 kg	11.7 – 13.7 kg	10.5 – 13.5 kg	650	<b>9 079 644</b>	1 set
–	13.6 – 15.3 kg	12.8 – 14.7 kg	11.4 – 14.3 kg	700	<b>9 079 645</b>	1 set

- Lift-up flap fitting
- Lift Advanced HS

## Shortenable cross member for Lift Advanced



- Cross member can be shortened, with pre-fitted mounts at the sides
- Aluminium silver effect / grey plastic

Carcase width mm	Order no.	PU
600	9 079 653	1 set
1200	9 079 658	1 set
1800	9 079 664	1 set

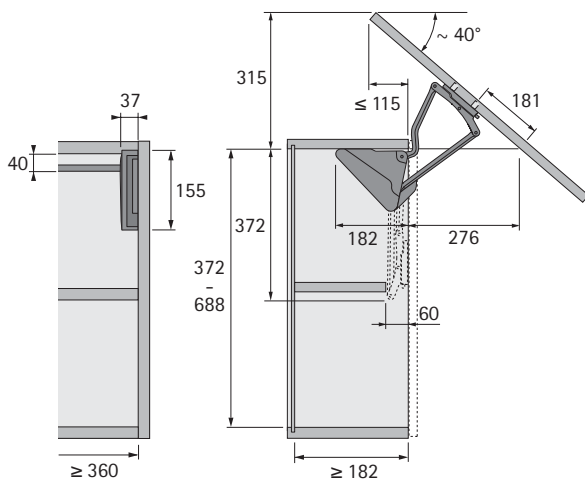
## Adapter for connection to 19 mm width aluminium profiles



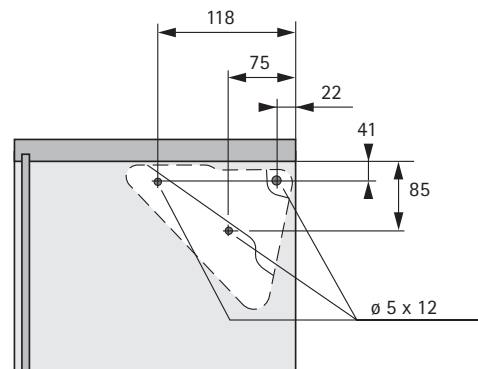
- Plastic, grey

Order no.	PU
9 079 601	1 set

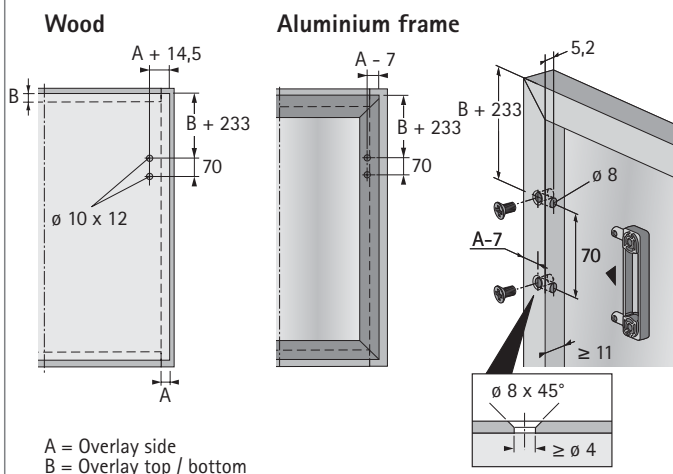
## Flap and opening dimensions



## Carcase drilling pattern



## Flap drilling pattern







Flap fronts are frequently the functionally most advantageous solution. They are now undergoing a renaissance after being out of fashion for a while. Hettich flap fittings create modern highlights in terms

of quality and convenience. In kitchens, bathrooms, living rooms and corridors, the Hettich range includes flap fittings for all requirements. High quality, robust and durable.



The Ewiva flap fitting takes up little space in the unit. Suitable for wooden fronts, as well as for fronts with wood or aluminium frame.



The large range of Hettich flap fittings gives you plenty of scope for own designs. Different front materials, flap weights and opening angles can be individually realized.



The Aquila flap stay for wooden or aluminium framed fronts. Simple elegance. Modern minimalism. And exceedingly handy for numerous applications.



More than just a bar counter: the Klassik D flap stay with magnetic self-closing feature. Particularly efficient installation in System 32.

## Other flap fittings

### ► Summary



**Ewiva, HLB**  
Flap lift fittings for different  
flap dimensions and flap weights  
up to 8 kg

290 – 293



**Lift Up**  
Up-and-under fitting – with free access to the  
interior of the unit

294



**Lift**  
Flap lift fittings for different  
flap weights and opening angles

295 – 297



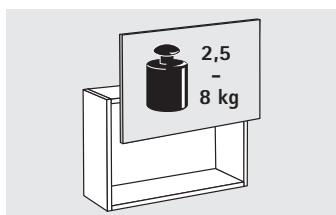
**Flap stays**  
for upward opening flaps

298 – 304



**Flap stays**  
for downward opening flaps

305 – 312



**Technical Information**  
► Calculating flap weights

313

## Other flap fittings

- ▶ Flap lift fitting
- ▶ Ewiva



- ▶ For wooden fronts or framed wooden fronts or fronts with 19 - 22 mm wide aluminium profile
- ▶ Adjustable opening force
- ▶ Silent System integrated – soft opening and closing action
- ▶ Flap weight including handle 2.5 – 8.0 kg (power boosters must be ordered separately, see below)
- ▶ Fronts can be mounted and adjusted without tools
- ▶ Three-dimensional front adjustment: vertical  $\pm 3$  mm, horizontal  $\pm 1.5$  mm, tilt  $+ 1^\circ/- 0.2^\circ$
- ▶ Galvanised steel / grey plastic

### Ewiva



Set comprises:

- ▶ 1 pair of flap fittings, right and left
- ▶ 1 pair of cover caps, right and left
- ▶ 1 cross member

Carcase width mm	Order no.	PU
600	<b>9 135 830</b>	1 set
900	<b>9 112 133</b>	1 set
1200	<b>9 112 134</b>	1 set
1500	<b>9 112 135</b>	1 set

Fittings for 900 / 1200 / 1500 mm carcase width can be adjusted in width by cutting cross member to length

### Powerhouse



- ▶ For adapting flap lift fitting Ewiva to flap weights from 2.5 to 8 kg
- ▶ Simple installation and removal

Door weight kg	Order no.	PU
2.5 – 4.8 kg	<b>9 112 152</b>	1 pair
3.3 – 6.6 kg	<b>9 112 157</b>	1 pair
5.3 – 8.0 kg	<b>9 112 159</b>	1 pair

### Adapter for connection to 19 - 22 mm width aluminium profiles



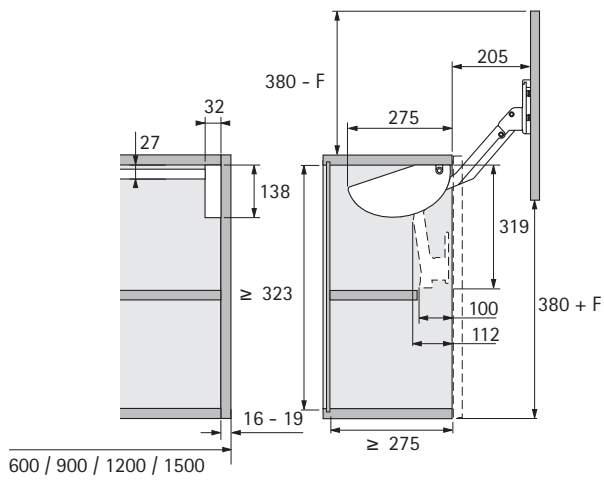
- ▶ Zinc die-cast nickel-plated

Order no.	PU
<b>9 115 120</b>	1 set

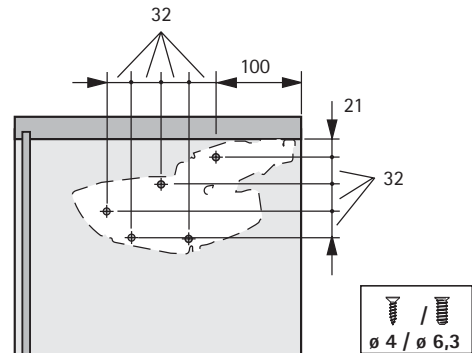
## Other flap fittings

- Flap lift fitting
- Ewiva

### Flap and opening dimensions

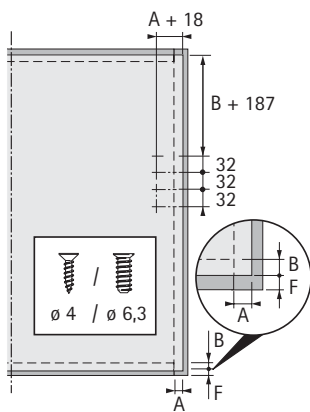


### Carcase drilling pattern

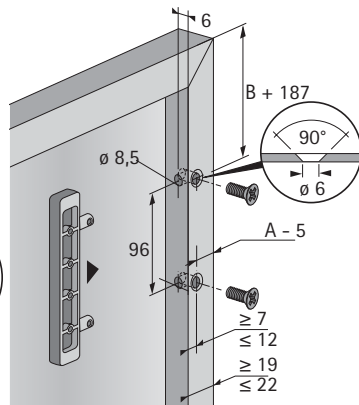


### Flap drilling pattern

#### Wood



#### Aluminium frame



## Other flap fittings

- Flap lift fitting
- HLB

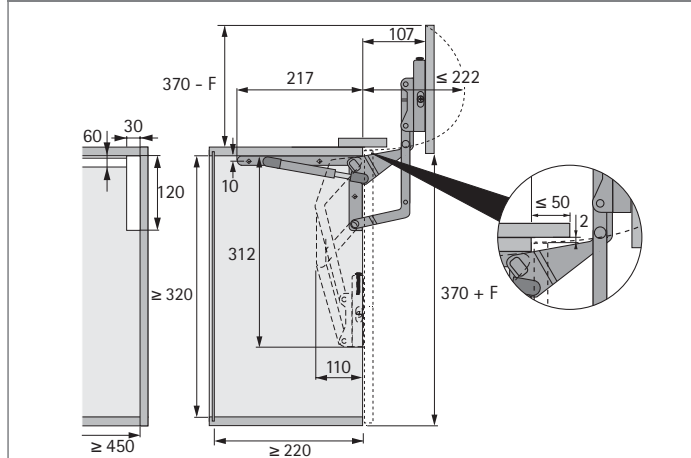


- For wooden fronts or wood-framed fronts
- Width can be adjusted by cutting cross member to length
- Fitted with gas springs either side
- Three-dimensional front adjustment: vertical  $\pm 3$  mm, horizontal  $\pm 1.5$  mm, tilt adjustment  $-0.5^\circ / +1^\circ$
- Powder-coated steel, silver

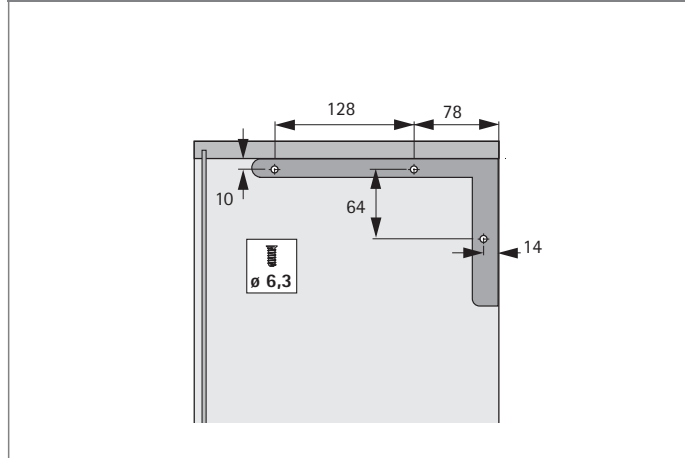
### HLB

Inside cabinet width mm	Max. flap weight kg	Order no.	PU
450 - 870	5	0 045 033	1 ea.
450 - 1170	7	0 045 034	1 ea.
450 - 1470	8.5	0 045 035	1 ea.

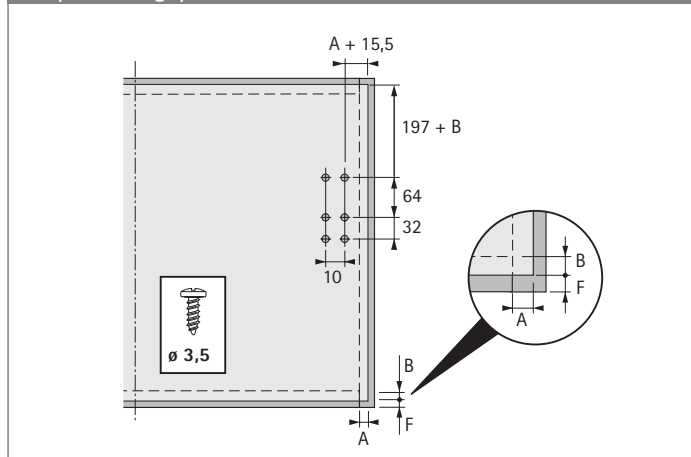
### Flap and opening dimensions



### Carcase drilling pattern



### Flap drilling pattern



## Other flap fittings

- Flap lift fitting
- HLB

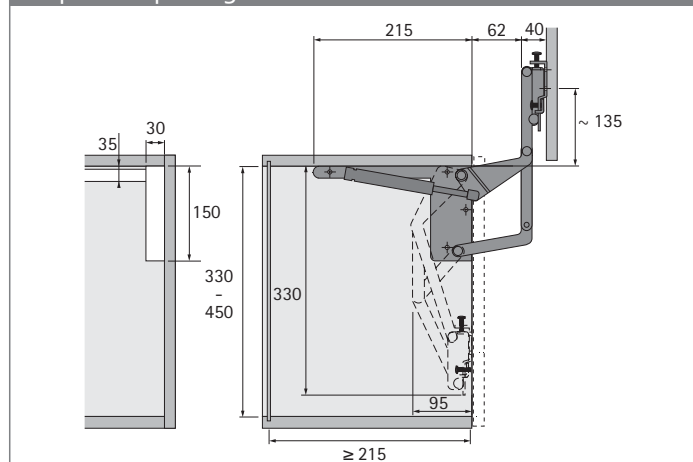


- For wooden fronts or wood-framed fronts
- Fitted with 1 or 2 gas springs
- Items with 2 gas springs: adjustable cross member permits adjustment of the width
- Two-dimensional front-panel adjustment: vertically  $\pm 3$  mm, horizontally  $\pm 3$  mm
- Steel, powder-coated

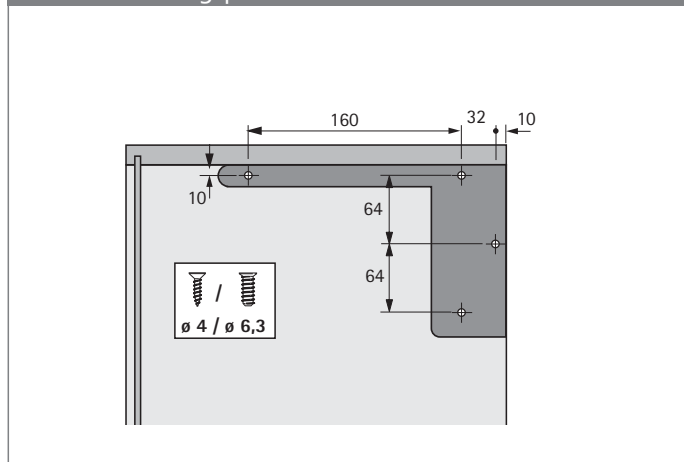
### HLB

For carcass side mm	Inside cabinet width mm	Number of gas springs	Max. flap weight kg	Order no.		PU
				white	silver	
16	567	1	3.5	0 079 392	0 045 027	1 ea.
18	563	1	3.5	0 079 393	0 045 028	1 ea.
19	561	1	3.5	0 079 394	0 045 029	1 ea.
16 - 19	420 - 580	2	4	0 045 159	0 045 031	1 ea.
16 - 19	560 - 870	2	5	0 045 160	0 045 032	1 ea.

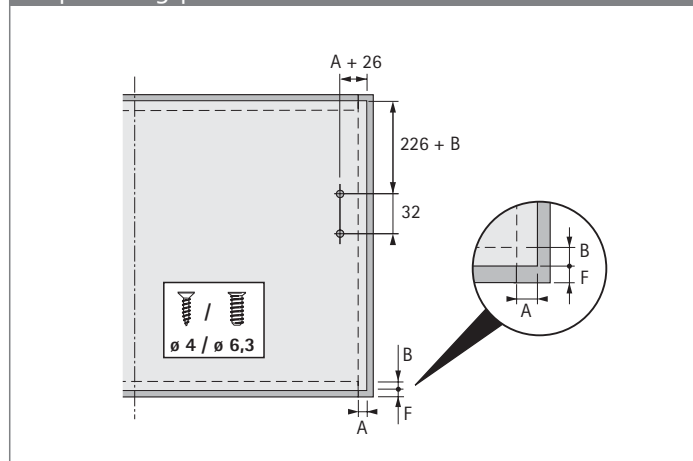
### Flap and opening dimensions



### Carcass drilling pattern

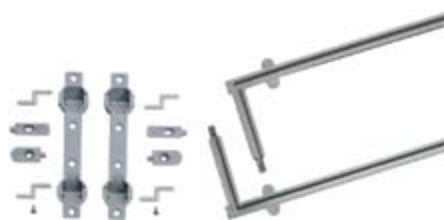


### Flap drilling pattern



## Other flap fittings

- Up-and-under fitting
- Lift Up



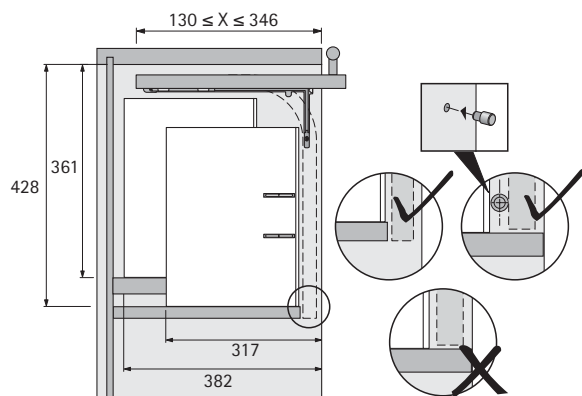
- For wooden fronts or wood-framed fronts
- Flap weight including handle 8 kg max.
- The inset flap is easy to install and disappears into the cabinet almost entirely when open
- Height adjustment  $\pm 1.25$  mm
- Flap dimensions: height 145 - 400 mm / width 1200 mm max.
- Plastic, grey

### Lift Up

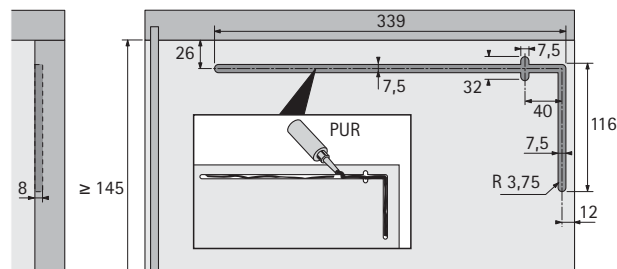
For flap thickness mm

	Order no.	PU
15 / 16	0 045 025	1 set
18 / 19	0 045 026	1 set

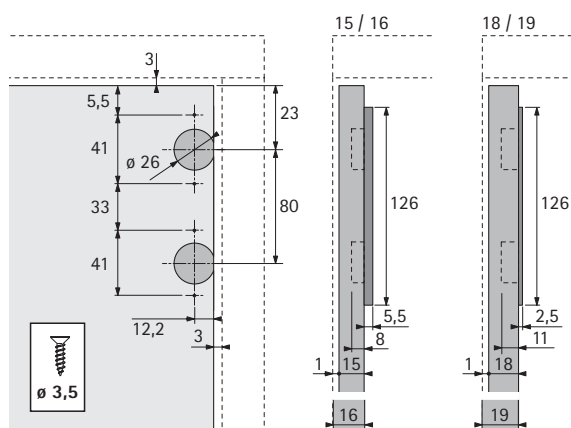
### Flap and opening dimensions



### Carcase drilling pattern



### Flap drilling pattern



# Other flap fittings

- Upward opening flap fitting
- Lift Junior

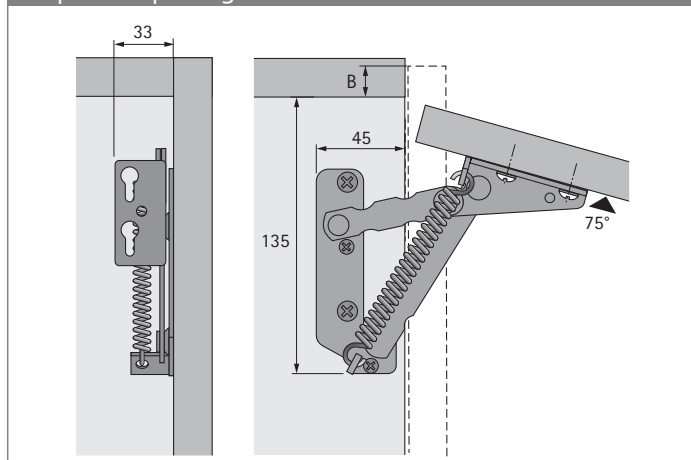


- For wooden fronts or wood-framed fronts
- Flap dimensions: height 200 - 500 mm / width 300 - 1000 mm
- Steel, nickel-plated

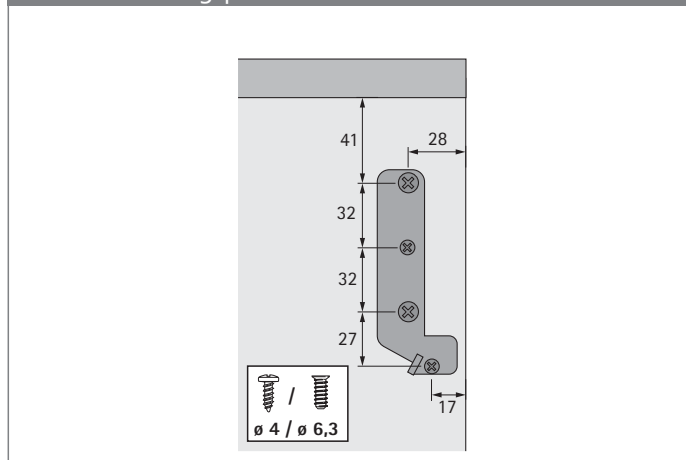
## Lift Junior

Opening angle °	Spring force N	Max. flap weight kg	Order no.	PU
75	90	2	0 079 397	1/10 pair
75	140	2.5	0 040 722	1/10 pair

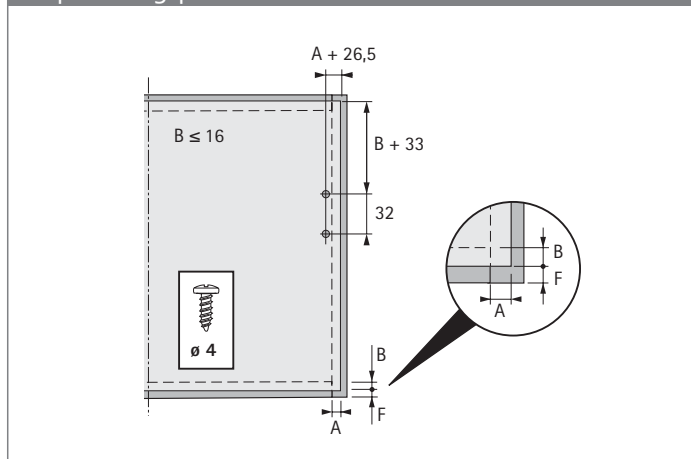
## Flap and opening dimensions



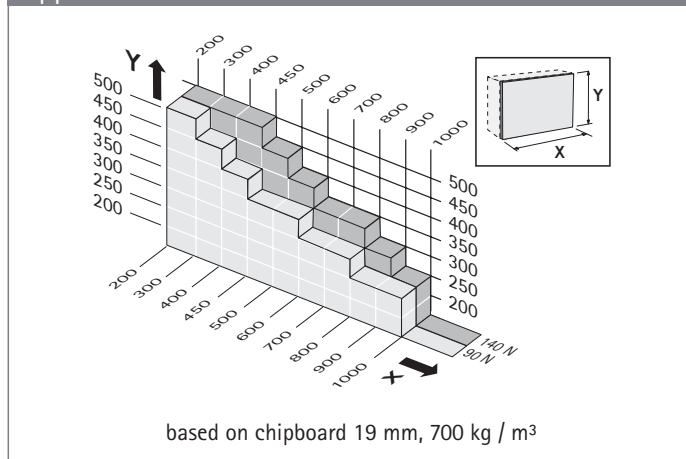
## Carcase drilling pattern



## Flap drilling pattern



## Application





## Other flap fittings

- Upward opening flap fitting
- Lift

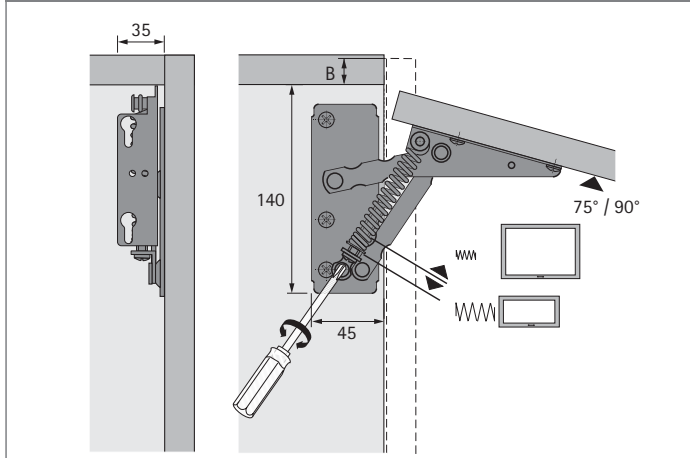


- For wooden fronts or wood-framed fronts
- Attaches to hole line for fast, easy installation in system 32
- Flap dimensions: height 200 - 500 mm / width 300 - 1000 mm
- Steel, nickel-plated

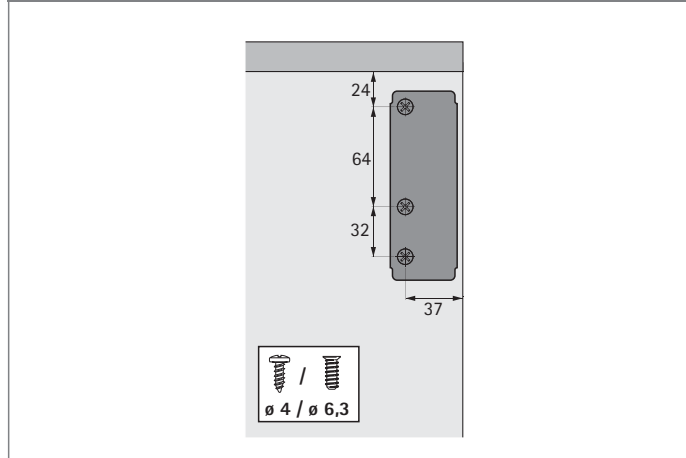
### Lift

Opening angle °	Spring force N	Max. flap weight kg	Order no.	PU
75	80 - 220	4.6	0 040 721	1/10 pair
90	80 - 220	4.6	0 010 921	1/10 pair
90	180	3.3	0 079 389	1/10 pair

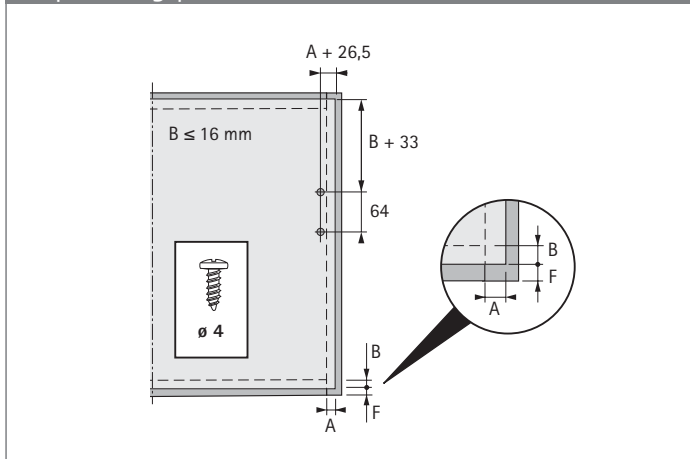
### Flap and opening dimensions



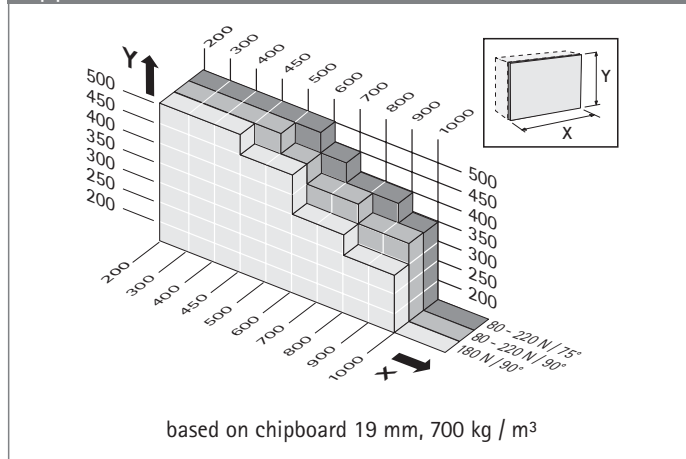
### Carcase drilling pattern



### Flap drilling pattern



### Application



# Other flap fittings

- Upward opening flap fitting
- Lift Alu

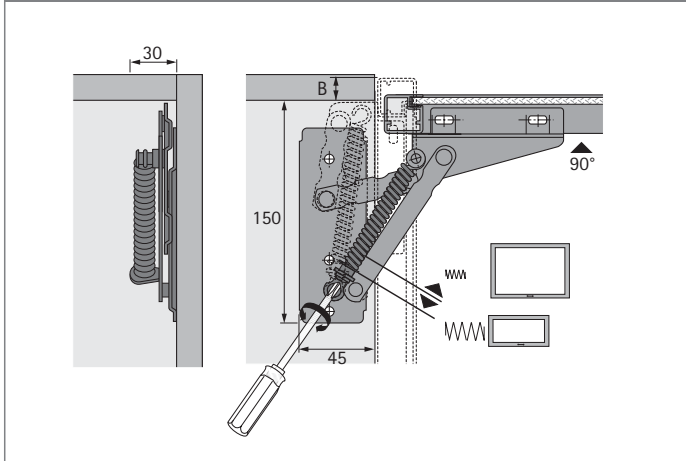


- For framed fronts with 19 mm wide aluminium profile
- Flap dimensions: height 200 - 500 mm / width 300 - 1000 mm
- Steel, nickel-plated

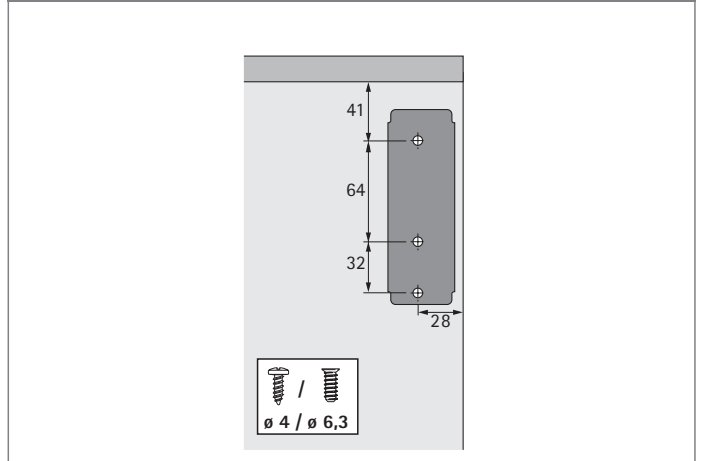
## Lift Alu

Opening angle °	Spring force N	Max. flap weight kg	Order no.	PU
90	80 - 220	4.3	<b>0 079 390</b>	1/10 pair

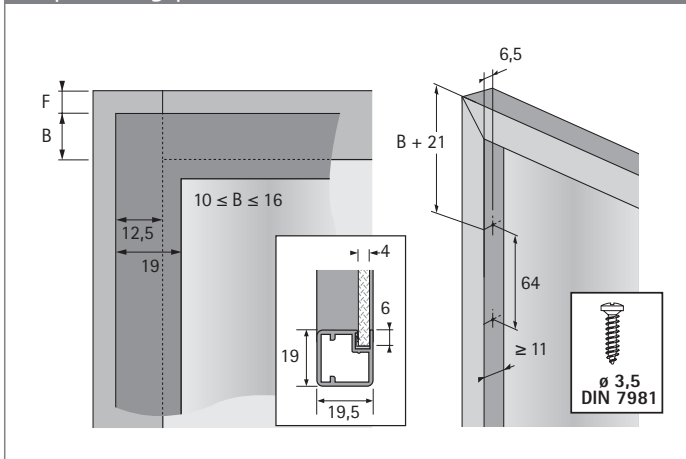
## Flap and opening dimensions



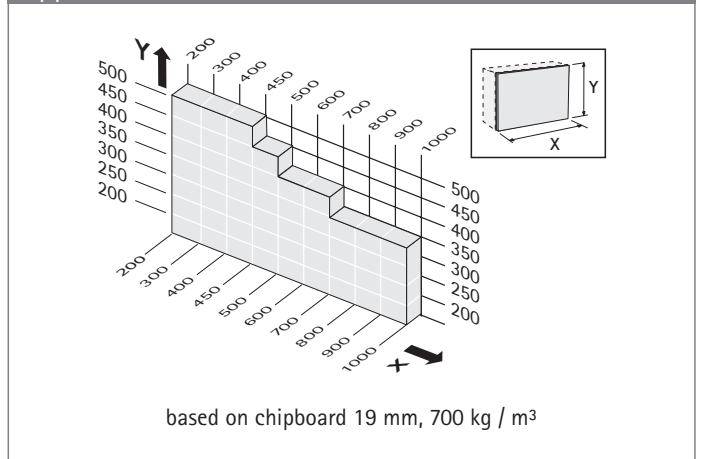
## Carcase drilling pattern



## Flap drilling pattern



## Application



## Other flap fittings

- Flap stay
- KLS 10

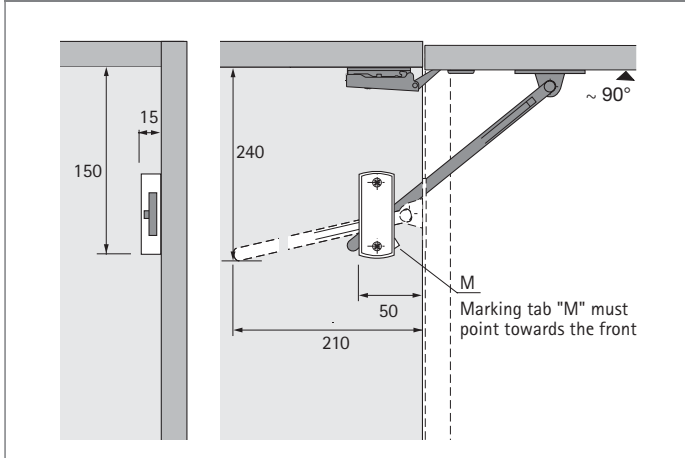


- For wooden fronts or wood-framed fronts
- Flap weight including handle 6 kg max.
- The flap is held open by a catch which is released when the flap is lifted slightly.
- Flap dimensions: height 500 mm max. / width 600 mm max.
- Suitable for use on the right
- Concealed hinges must be fitted at the top of the flap, see pages 26 - 27
- Steel, nickel-plated / plastic, white

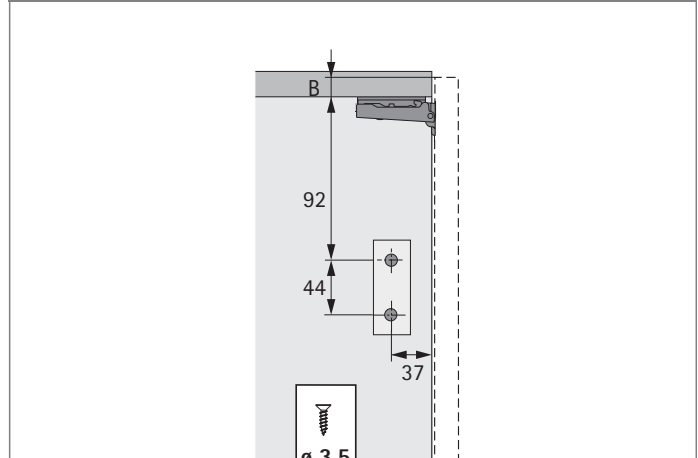
### KLS 10

Order no.	PU
0 013 239	1/10 ea.

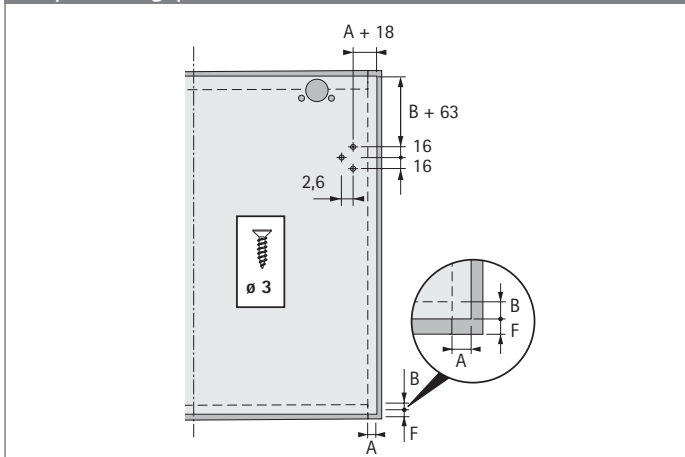
### Flap and opening dimensions



### Carcase drilling pattern



### Flap drilling pattern



## Other flap fittings

- Flap stay
- KLS 20

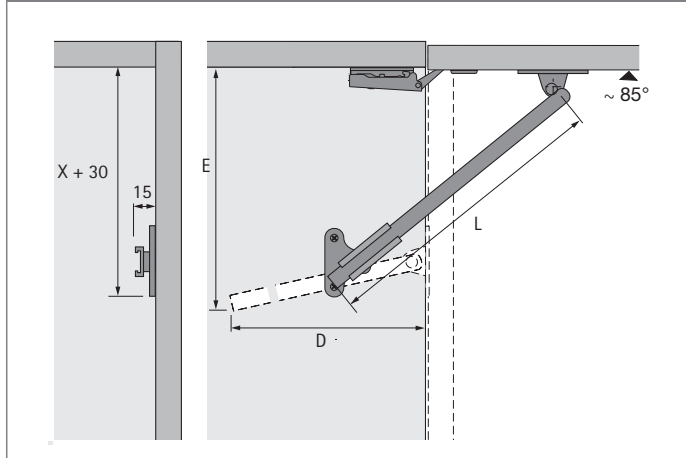


- For wooden fronts or wood-framed fronts
- The flap is held open by a catch which is released when the flap is lifted slightly.
- Can be used on left or right
- Concealed hinges must be fitted at the top of the flap, see pages 26 - 27
- Steel, nickel-plated

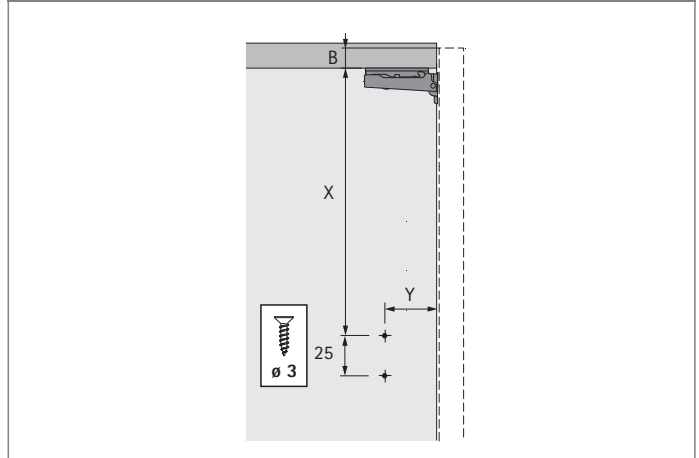
### KLS 20

Length (L) mm	Order no.	PU
167	0 072 996	1/10 ea.
252	0 072 997	1/10 ea.

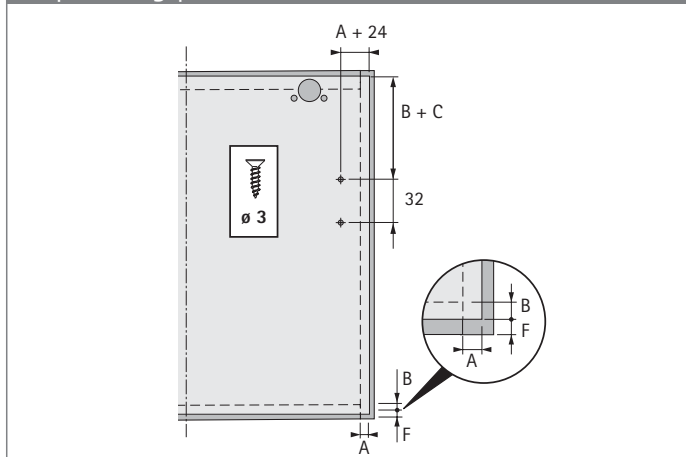
### Flap and opening dimensions



### Carcase drilling pattern



### Flap drilling pattern



### Installation dimensions

Length L mm	Dim. B mm	Dim. C mm	Dim. D mm	Dim. E mm	Dim. X mm	Dim. Y mm
167	16	44	220	65	100	37
252	16	118	240	250	135	50

## Other flap fittings

- Flap stay
- KLS 30

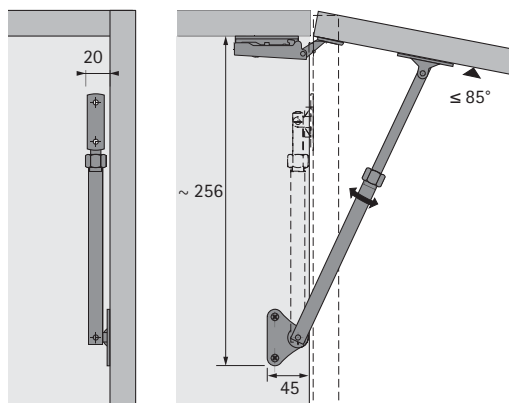


- For wooden fronts or wood-framed fronts
- Flap weight including handle 4 kg max. (when using 2 fittings)
- Adjustable opening force
- Flap dimensions: height 500 mm max. / width 600 mm max.
- Can be used on one or both sides
- Can be used on left or right
- Concealed hinges must be fitted at the top of the flap, see pages 26 - 27
- Steel, nickel-plated

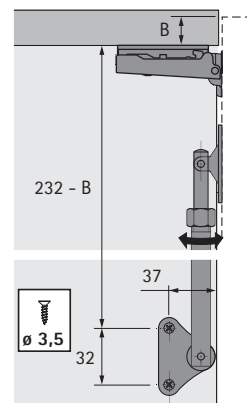
### KLS 30

Order no.	PU
0 016 179	1/10 ea.

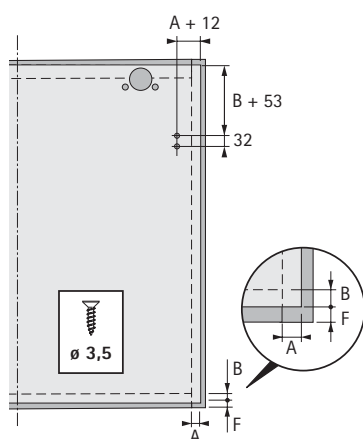
### Flap and opening dimensions



### Carcase drilling pattern



### Flap drilling pattern



### Application

	Width mm		
Height mm	450	500	600
260	1	1	1
300	1	1	1
400	1	1	2
500	2	2	2

Number of fittings to use depends on flap dimensions  
based on 19 mm chipboard, 700 kg / m<sup>3</sup>

- Flap stay
- KLS 40

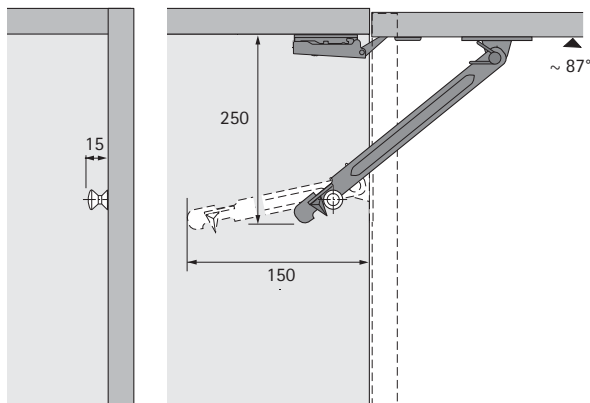


- For wooden fronts or wood-framed fronts
- Flap weight including handle 6 kg max.
- Concealed hinges must be fitted at the top of the flap, see pages 26 - 27
- Steel, nickel-plated / plastic, white

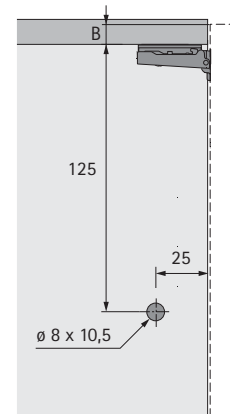
## KLS 40

Hinge side	Order no.	PU
left	0 025 085	1/10 ea.
right	0 025 086	1/10 ea.

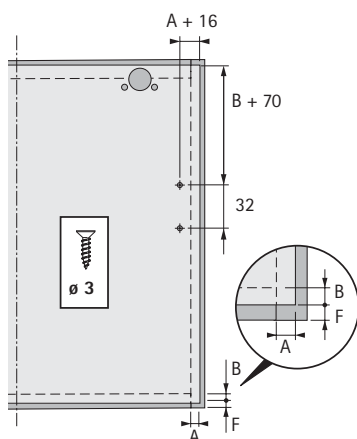
## Flap and opening dimensions



## Carcase drilling pattern



## Flap drilling pattern



## Other flap fittings

- Flap stay
- KLS 50

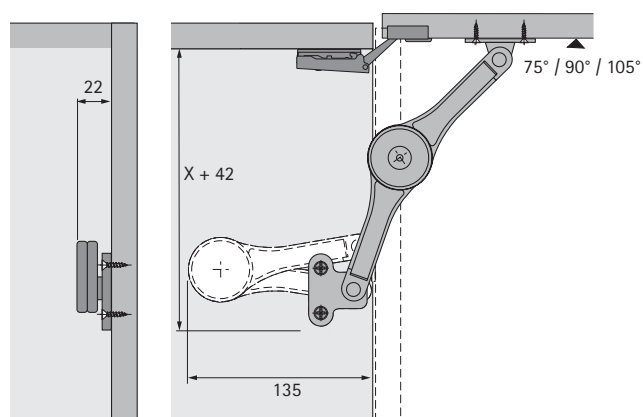


- For wooden fronts or wood-framed fronts
- Flap weight including handle 8.9 kg max. (when using 2 fittings)
- Flap dimensions: height 700 mm max.
- Can be used on one or both sides
- Can be used on left or right
- Concealed hinges must be fitted at the top of the flap, see pages 26 - 27
- Steel, nickel-plated

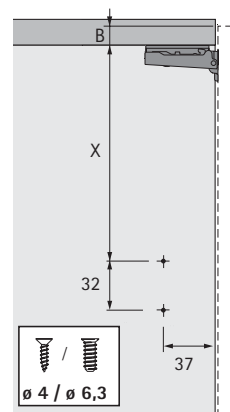
### KLS 50

Order no.	PU
9 132 672	1 ea.

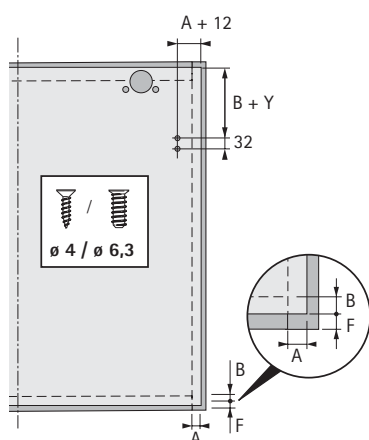
#### Flap and opening dimensions



#### Carcase drilling pattern



#### Flap drilling pattern



## Other flap fittings

- Flap stay
- KLS 50

### Application

Opening angle	Dim. X mm	Dim. Y mm	Weight kg	Flap height mm								
				300	350	400	450	500	550	600	650	700
75°	173	141	2 - 2.9	1	1	1	1	1	1	1	1	1
			3 - 3.9	1	1	1	1	1	1	1	1	1
			4 - 4.9	1	1	1	1	1	2	2	2	2
			5 - 5.9	1	1	1	2	2	2	2	2	2
			6 - 6.9	1	1	2	2	2	2	2	2	2
			7 - 7.9	1	2	2	2	2	2	2	-	-
			8 - 8.9	2	2	2	2	2	-	-	-	-
90°	151	119	2 - 2.9	1	1	1	1	1	1	1	1	1
			3 - 3.9	1	1	1	1	1	2	2	2	2
			4 - 4.9	1	1	2	2	2	2	2	2	2
			5 - 5.9	1	2	2	2	2	2	2	-	-
			6 - 6.9	2	2	2	2	2	-	-	-	-
			7 - 7.9	2	2	2	-	-	-	-	-	-
			8 - 8.9	2	2	-	-	-	-	-	-	-
105°	137	105	2 - 2.9	1	1	1	1	1	1	1	2	2
			3 - 3.9	1	1	1	2	2	2	2	2	2
			4 - 4.9	1	2	2	2	2	2	2	-	-
			5 - 5.9	2	2	2	2	-	-	-	-	-
			6 - 6.9	2	2	2	-	-	-	-	-	-
			7 - 8.9	2	-	-	-	-	-	-	-	-



## Other flap fittings

- Flap stay
- Lift Basic

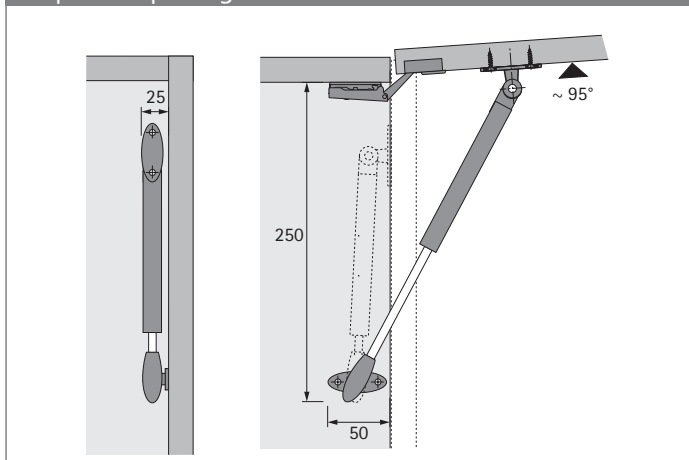


- For wooden fronts or wood-framed fronts
- Flap weight including handle 3.2 kg max. (when using 2 fittings)
- Flap dimensions: height 400 mm max. / width 600 mm max.
- Can be used on one or both sides
- Can be used on left or right
- Concealed hinges must be fitted at the top of the flap, see pages 26 - 27
- Steel silver effect / grey plastic

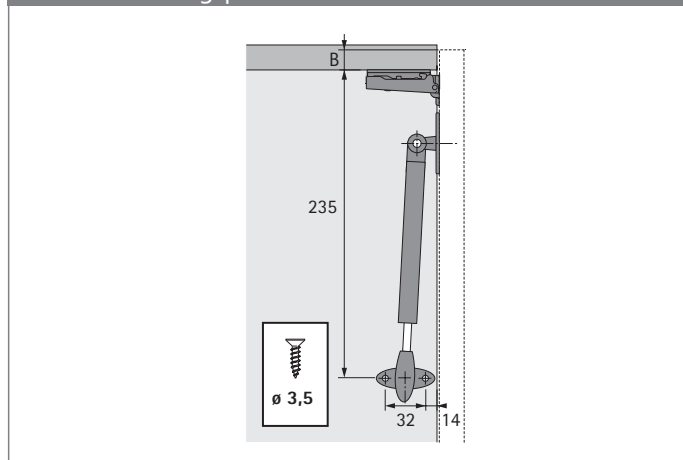
### Lift Basic

Order no.	PU
9 079 593	1 ea.

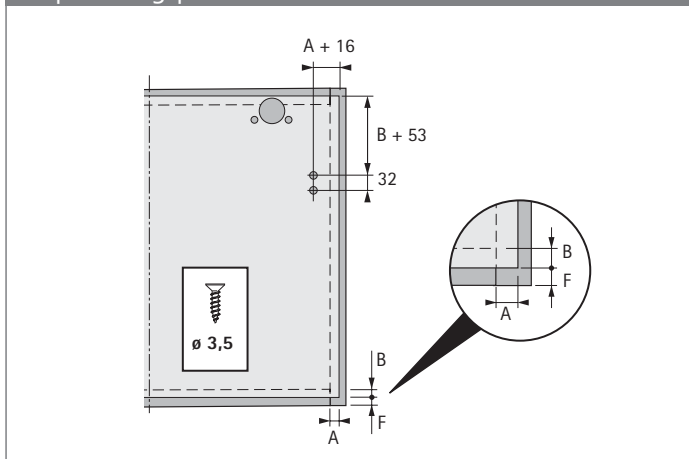
### Flap and opening dimensions



### Carcase drilling pattern



### Flap drilling pattern



### Application

max. height mm	max. width mm	Quantity
300	400	1
400	600	2

Number of fittings to use depends on flap dimensions  
based on 19 mm chipboard, 700 kg / m<sup>3</sup>

## Other flap fittings

- Flap stay
- Aquila



- For wooden fronts or framed wooden fronts or fronts with 19 mm wide aluminium profile
- Opening force and opening angle can be adjusted
- Flap weight including handle 12 kg max.
- For recessing in carcase side and flap (version supplied), optional accessory kit for screw-on mounting, see below
- Flap dimensions: height 200 – 480 mm
- Flap hinges or concealed hinges must be fitted at the bottom of the flap, see pages 26 – 27 and 232 – 237
- Bright polished aluminium / black plastic / white plastic

### Aquila



Set comprises:

- 1 pair of flap fittings, right and left
  - 1 pair of front connectors to be recessed, for wooden fronts
  - Fixing material
- Choice of fitting depends on flap height, flap weight and hinge used, see tables on page 306

Force N	Flap height mm	Order no.			PU
		bright-polished	black	white	
60	200 – 480	9 079 722	9 132 655	9 132 650	1 set
100	200 – 480	9 079 724	9 132 656	9 132 651	1 set
140	200 – 480	9 079 725	9 132 657	9 132 652	1 set
160	270 – 480	9 079 727	9 132 658	9 132 653	1 set
200	270 – 480	9 079 728	9 132 659	9 132 654	1 set

### Set of accessories for screw-on mounting



Set comprises:

- 4 housing adapters
  - 1 pair of front connectors
- Installed dimensions, see page 307

Order no.	PU
9 079 721	1 set

### Adapter for connection to 19 mm width aluminium profiles



- Can be used with set of accessories for screw-on mounting, see above
- Flap drilling pattern, see page 307

Order no.	PU
9 079 730	1 set

- Flap stay
- Aquila

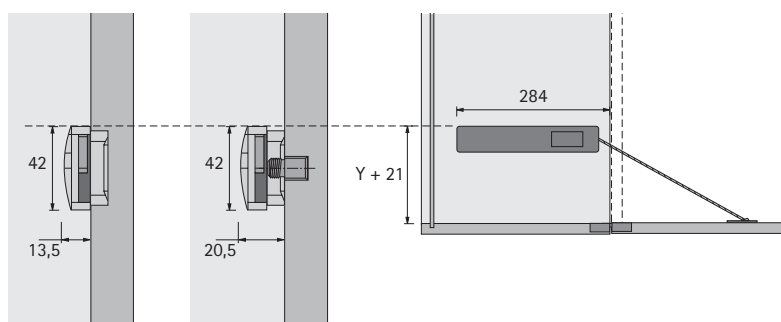
## Fitting to select when using a flap hinge

Flap height 200 - 230 mm	Flap height 231 - 270 mm	Flap height 271 - 330 mm	Flap height 331 - 380 mm	Flap height 381 - 430 mm	Flap height 431 - 460 mm	Flap height 461 - 480 mm	Force N
6.0 - 8.0 kg	4.5 - 6.0 kg	4.5 - 5.5 kg	4.0 - 5.5 kg	4.0 - 5.0 kg	4.0 - 5.0 kg	3.0 - 5.0 kg	60
8.0 - 10.5 kg	6.0 - 10.0 kg	5.5 - 7.0 kg	5.5 - 7.5 kg	5.0 - 6.5 kg	5.0 - 6.5 kg	5.0 - 6.5 kg	100
10.5 - 12.0 kg	9.0 - 12.0 kg	7.0 - 8.5 kg	7.0 - 9.0 kg	6.5 - 8.0 kg	6.5 - 8.0 kg	6.5 - 8.0 kg	140
-	-	8.0 - 9.5 kg	8.0 - 10.0 kg	7.5 - 9.0 kg	8.0 - 9.0 kg	7.0 - 8.5 kg	160
-	-	9.5 - 11.5 kg	10.0 - 11.0 kg	9.0 - 10.5 kg	8.5 - 9.5 kg	8.0 - 9.5 kg	200

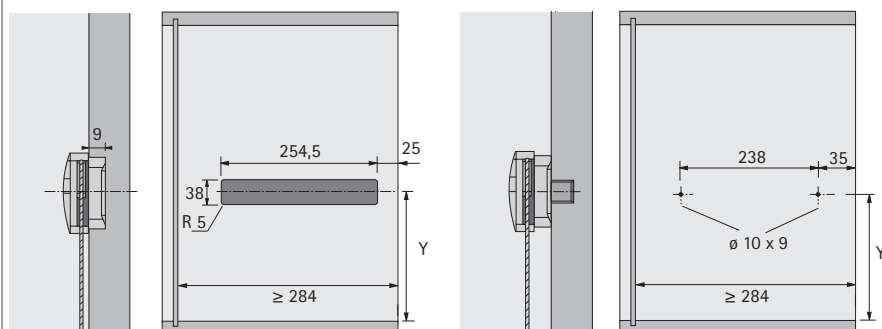
## Choice of fitting when using a concealed hinge

Flap height 200 - 230 mm	Flap height 231 - 270 mm	Flap height 271 - 330 mm	Flap height 331 - 380 mm	Flap height 381 - 430 mm	Flap height 431 - 460 mm	Flap height 461 - 480 mm	Force N
7.0 - 9.0 kg	5.0 - 6.5 kg	4.0 - 5.5 kg	4.5 - 6.0 kg	3.5 - 5.0 kg	4.0 - 5.0 kg	3.5 - 5.0 kg	60
9.0 - 12.0 kg	6.5 - 8.0 kg	5.5 - 7.0 kg	6.0 - 7.5 kg	5.0 - 6.5 kg	5.0 - 6.5 kg	5.0 - 6.5 kg	100
-	8.0 - 12.0 kg	7.0 - 8.5 kg	7.5 - 8.5 kg	6.5 - 8.0 kg	6.5 - 8.0 kg	6.5 - 8.0 kg	140
-	-	8.5 - 9.5 kg	8.5 - 9.5 kg	8.0 - 9.5 kg	8.0 - 9.5 kg	7.5 - 9.0 kg	160
-	-	9.5 - 10.5 kg	9.5 - 10.5 kg	9.5 - 10.5 kg	9.0 - 10.5 kg	9.0 - 10.5 kg	200

## Flap and opening dimensions

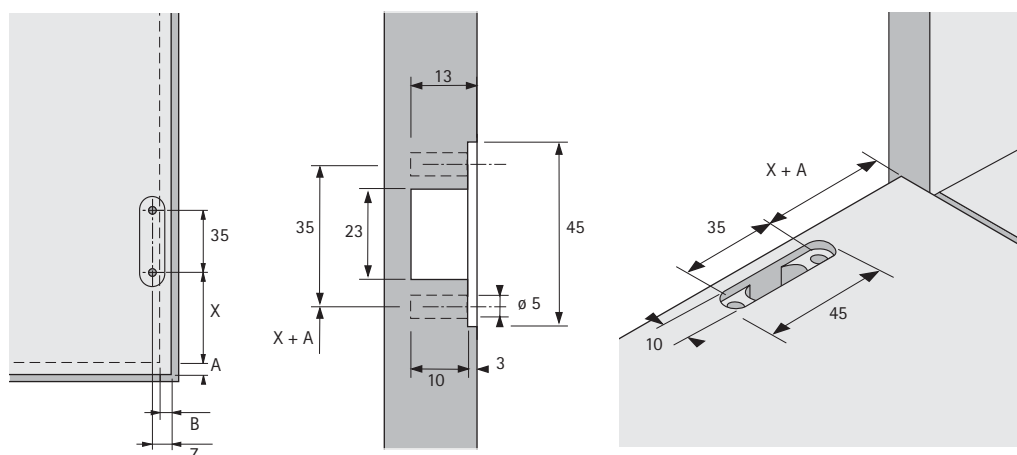


## Carcase drilling pattern



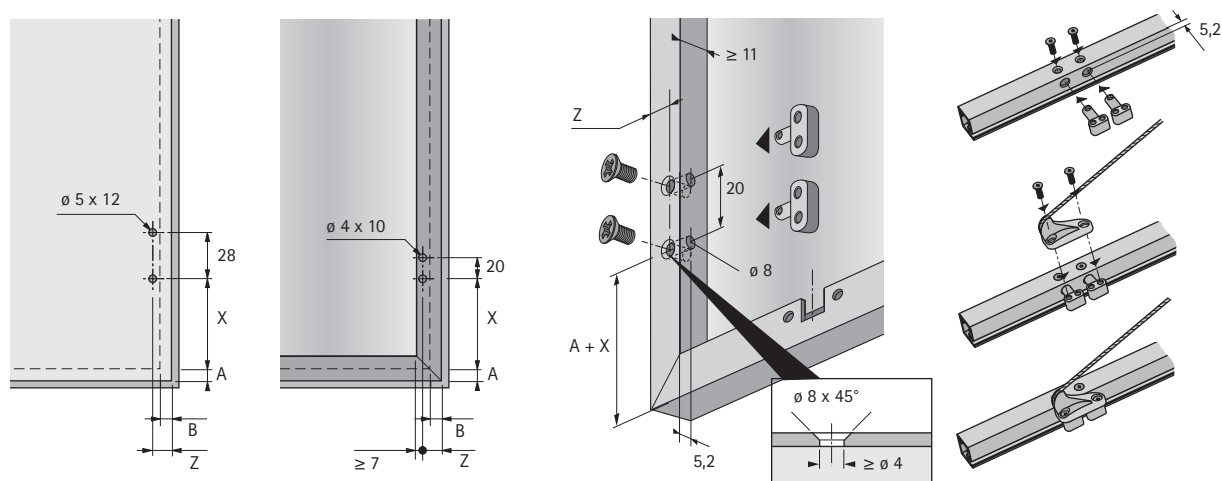
Flap height mm	Y mm
200 - 330	122
331 - 430	148
431 - 480	158

## Flap drilling pattern (recessed front connector)



Flap height mm	X mm	Fitting Recessed type Z mm	Fitting Screw-on type Z mm
200 - 330	111	7 + B	16 + B
331 - 430	137		
431 - 480	147		

## Flap drilling pattern (screw-on front connector)



Flap material	Flap height mm	X mm	Fitting Recessed type Z mm	Fitting Screw-on type Z mm
Wood	200 - 330	104	12 + B	21 + B
Wood	331 - 430	130		
Wood	431 - 480	140		
Aluminium	200 - 330	108	B - 7 B min = 12.5 mm B max = 20 mm	2 + B B min = 3.5 mm B max = 12 mm
Aluminium	331 - 430	134		
Aluminium	431 - 480	144		

- ▶ Flap stay
- ▶ Klassik D with magnetic catch

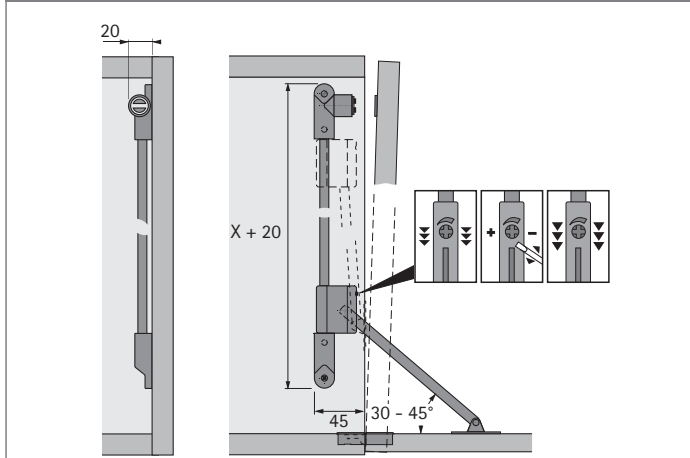


- ▶ For wooden fronts or wood-framed fronts
- ▶ Flap weight including handle 4 kg max. per fitting
- ▶ Attaches to hole line for fast, easy installation in system 32
- ▶ High-quality, no-maintenance braking system with precision adjustment capability
- ▶ Adjustable 4 mm magnetic catch, including counterplate
- ▶ Can be used on one or both sides
- ▶ Markant 11 flap hinges must be fitted at the bottom of the flap, see page 235
- ▶ Steel nickel-plated / zinc die-cast nickel-plated

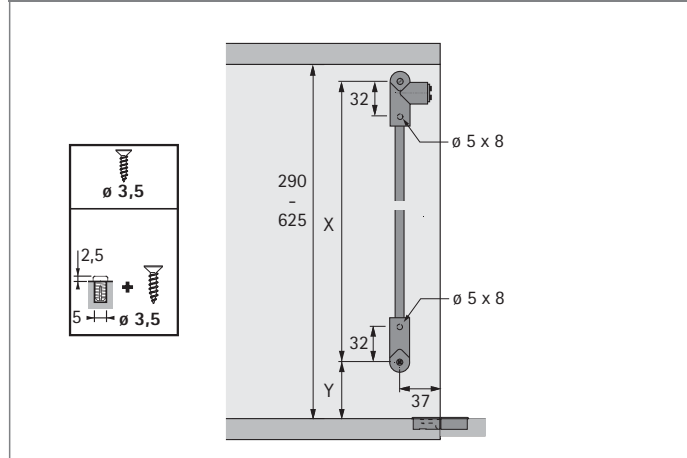
## Klassik D with magnetic catch

Inside carcase height mm	Article	Order no.		PU
		left	right	
290 - 340	Klassik D / 290	0 021 575	0 021 698	1/10 ea.
365 - 404	Klassik D / 365	0 021 577	0 021 699	1/10 ea.
405 - 464	Klassik D / 405	0 021 579	0 021 700	1/10 ea.
465 - 564	Klassik D / 465	0 021 581	0 021 701	1/10 ea.
565 - 625	Klassik D / 565	0 021 583	0 021 702	1/10 ea.

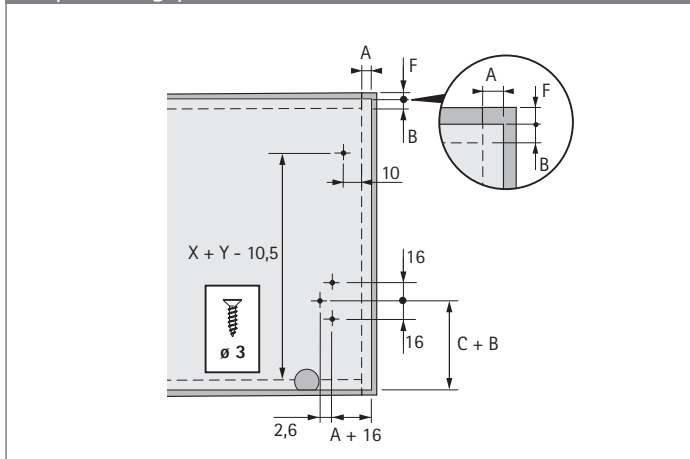
## Flap and opening dimensions



## Carcase drilling pattern



## Flap drilling pattern



## Installation dimensions

Inside carcase height mm	Dim. C mm	Dim. X mm	Dim. Y mm
290 - 340	52	252	24
365 - 404	77	288	56
405 - 464	115	320	56
465 - 564	141	352	88
565 - 625	180	416	120

The brake housing must rest on the lower support when the flap is open.

## Other flap fittings

- ▶ Flap stay
- ▶ Klassik D with LS 3280 D support

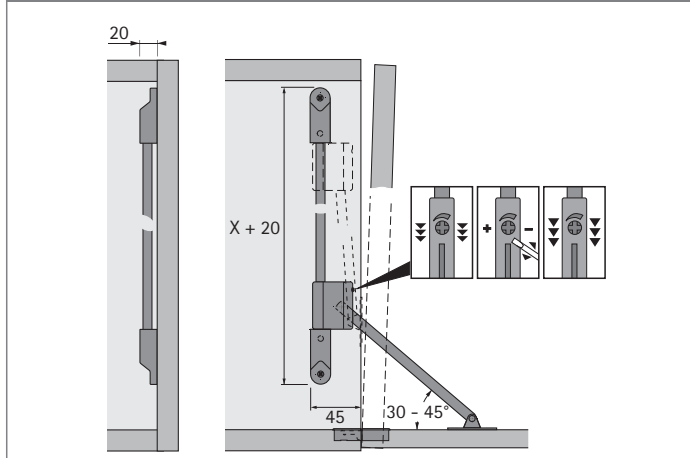


- ▶ For wooden fronts or wood-framed fronts
- ▶ Flap weight including handle 4 kg max. per fitting
- ▶ Attaches to hole line for fast, easy installation in system 32
- ▶ High-quality, no-maintenance braking system with precision adjustment capability
- ▶ LH version (can also be used on the right after changing over foot)
- ▶ Can be used on one or both sides
- ▶ Markant 11 flap hinges must be fitted at the bottom of the flap, see page 235
- ▶ Steel nickel-plated / zinc die-cast nickel-plated

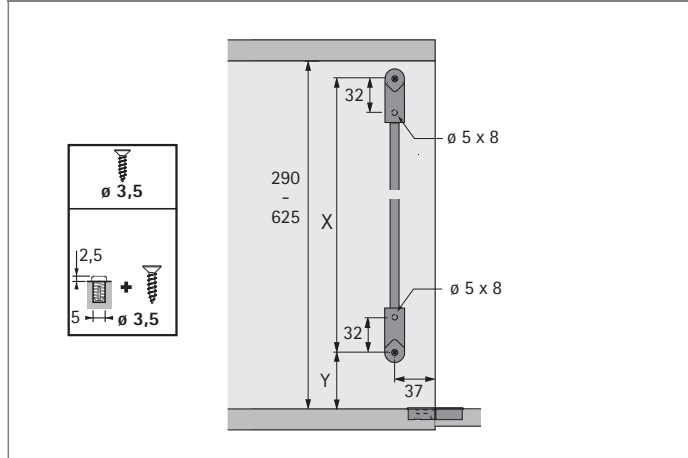
### Klassik D with LS 3280 D support

Inside carcase height mm	Article	Order no.	PU
290 - 340	Klassik D / 290	0 020 864	1/10 ea.
365 - 404	Klassik D / 365	0 020 865	1/10 ea.
405 - 464	Klassik D / 405	0 020 866	1/10 ea.
465 - 564	Klassik D / 465	0 020 867	1/10 ea.
565 - 625	Klassik D / 565	0 020 868	1/10 ea.

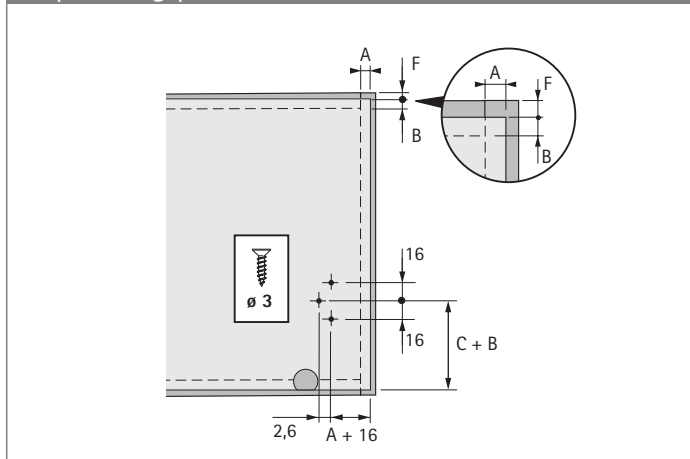
### Flap and opening dimensions



### Carcase drilling pattern



### Flap drilling pattern



### Installation dimensions

Inside carcase height mm	Dim. C mm	Dim. X mm	Dim. Y mm
290 - 340	52	252	24
365 - 404	77	288	56
405 - 464	115	320	56
465 - 564	141	352	88
565 - 625	180	416	120

The brake housing must rest on the lower support when the flap is open.

- Flap stay
- Klassik D with L 258 D support

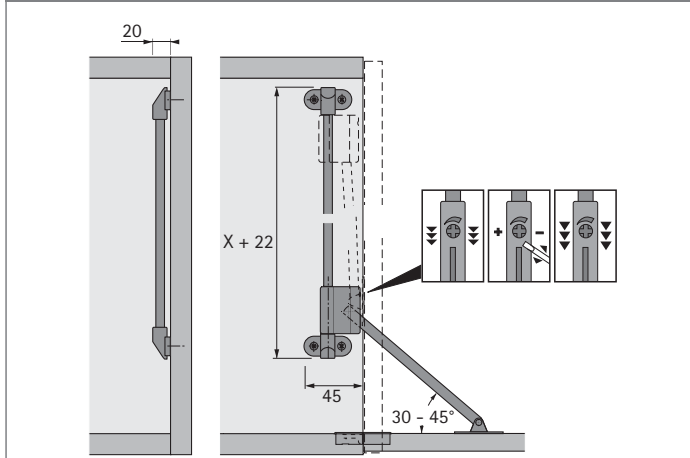


- For wooden fronts or wood-framed fronts
- Flap weight including handle 4 kg max. per fitting
- High-quality, no-maintenance braking system with precision adjustment capability
- LH version (can also be used on the right after changing over foot)
- Can be used on one or both sides
- Markant 11 flap hinges must be fitted at the bottom of the flap, see page 235
- Steel nickel-plated / zinc die-cast nickel-plated

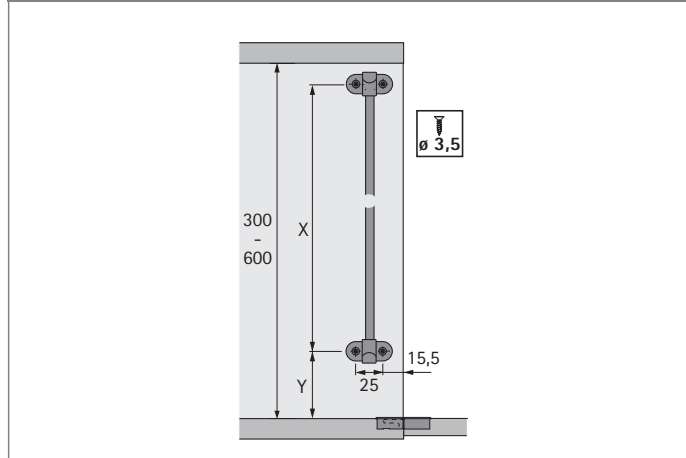
## Klassik D with L 258 D support

Inside carcase height mm	Article	Order no.	PU
300 - 349	Klassik D / 300	<b>0 016 173</b>	1/10 ea.
350 - 399	Klassik D / 350	<b>0 016 174</b>	1/10 ea.
400 - 449	Klassik D / 400	<b>0 016 175</b>	1/10 ea.
450 - 507	Klassik D / 450	<b>0 016 176</b>	1/10 ea.
508 - 550	Klassik D / 508	<b>0 016 177</b>	1/10 ea.
551 - 600	Klassik D / 551	<b>0 016 178</b>	1/10 ea.

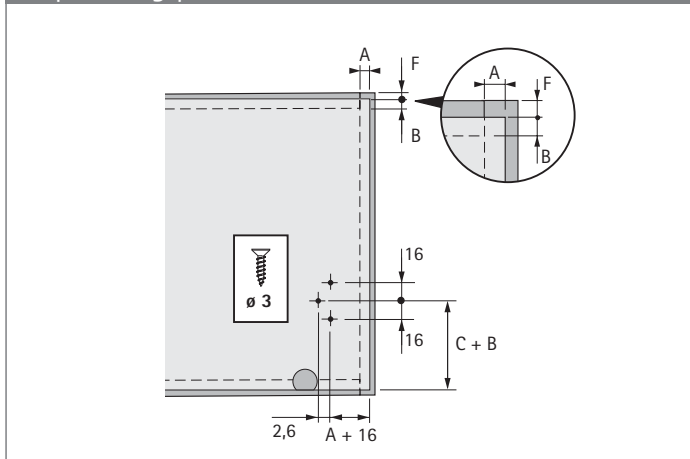
## Flap and opening dimensions



## Carcase drilling pattern



## Flap drilling pattern



## Installation dimensions

Inside carcase height mm	Dim. C mm	Dim. X mm	Dim. Y mm
300 - 349	70	182	100
350 - 399	101	224	112
400 - 449	116	252	126
450 - 507	132	272	138
508 - 550	166	322	175
551 - 600	186	372	168

The brake housing must rest on the lower support when the flap is open.

# Other flap fittings

- Flap stay
- Centra S 250

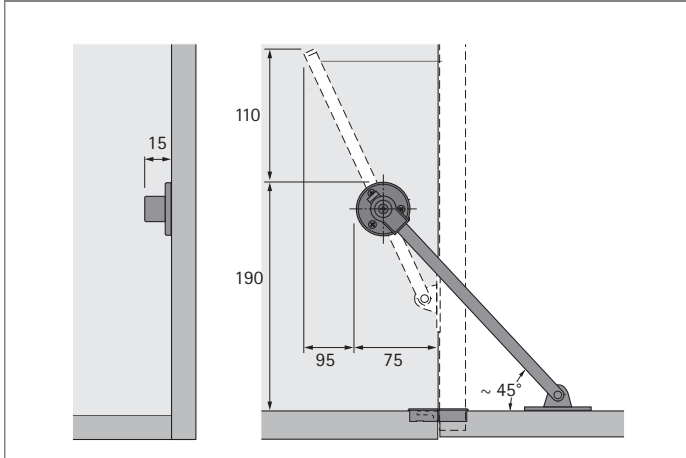


- For wooden fronts or wood-framed fronts
- Braking effect adjustable via clamping screw
- RH version
- Flap hinges must be fitted at the bottom of the flap, see pages 232 - 237
- Steel, nickel-plated / plastic

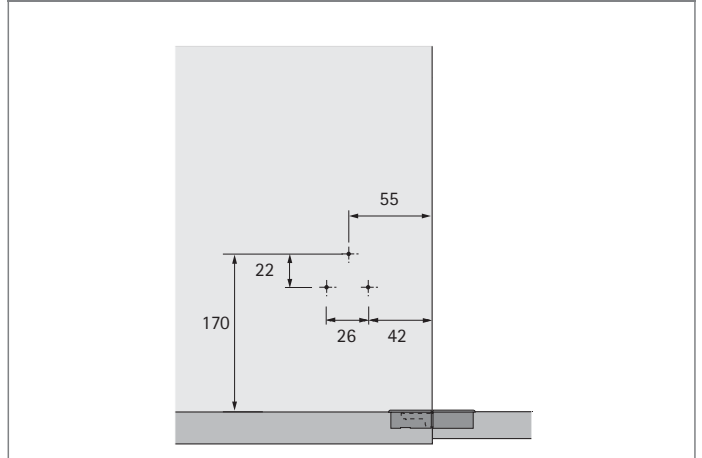
## Centra S 250

Finish	Order no.	PU
white	0 013 223	1/10 ea.
brown	0 013 224	1/10 ea.

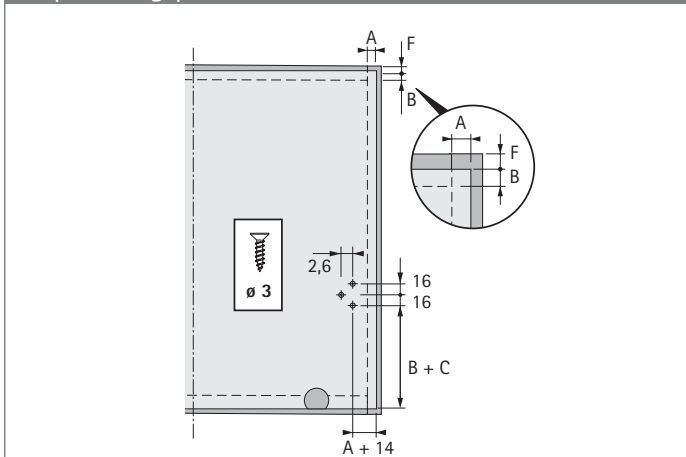
## Flap and opening dimensions



## Carcase drilling pattern



## Flap drilling pattern



## Installation dimensions

Dimension C depends on hinge used.  
Please carry out trial mounting.



## Other flap fittings

- Flap stay
- KH

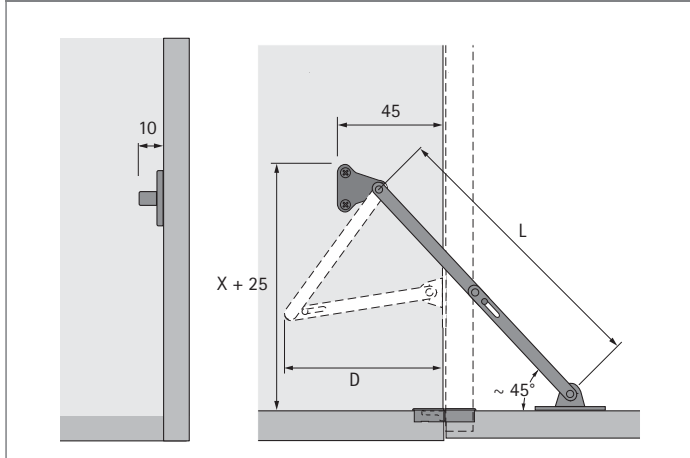


- For wooden fronts or wood-framed fronts
- Can be used on one or both sides
- Can be used on left or right
- Flap hinges must be fitted at the bottom of the flap, see pages 232 - 237
- Steel, nickel-plated

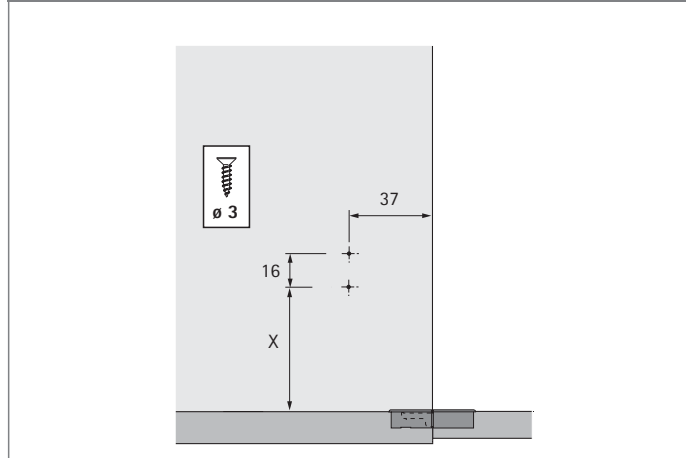
### KH

Length (L) mm	Order no.	PU
200	<b>0 013 233</b>	1/10 ea.
250	<b>0 013 235</b>	1/10 ea.

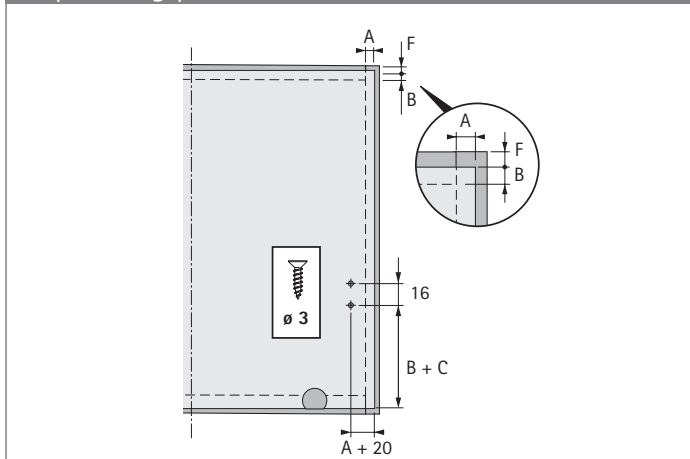
### Flap and opening dimensions



### Carcase drilling pattern



### Flap drilling pattern



### Installation dimensions

Length (L) mm	Dimension D mm	Dimension X mm
200	110	140
250	130	177

Dimension C depends on hinge used. Please carry out trial mounting.

# Flap fittings

- Technical Information
- Calculating flap weights

## Weight tables for standard materials

Flap weight in kg (chipboard: 19 mm thick, density = 700 kg/m³)

Chipboard	Flap width mm												
Flap height mm	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
300	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.2	5.6	6.0
350	1.4	1.9	2.3	2.8	3.3	3.7	4.2	4.7	5.1	5.6	6.1	6.5	7.0
400	1.6	2.2	2.7	3.2	3.7	4.3	4.8	5.3	5.9	6.4	6.9	7.5	8.0
450	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.0
500	2.0	2.7	3.3	4.0	4.7	5.3	6.0	6.7	7.3	8.0	8.7	9.3	10.0
550	2.2	3.0	3.7	4.4	5.1	5.9	6.6	7.3	8.1	8.8	9.5	10.2	11.0
600	2.4	3.2	4.0	4.8	5.6	6.4	7.2	8.0	8.8	9.6	10.4	11.2	12.0
650	2.6	3.5	4.3	5.2	6.1	6.9	7.8	8.7	9.5	10.4	11.2	12.1	13.0
700	2.8	3.7	4.7	5.6	6.5	7.5	8.4	9.3	10.2	11.2	12.1	13.0	14.0
750	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
800	3.2	4.3	5.3	6.4	7.5	8.5	9.6	10.6	11.7	12.8	13.8	14.9	16.0
850	3.4	4.5	5.7	6.8	7.9	9.0	10.2	11.3	12.4	13.6	14.7	15.8	17.0
900	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0
950	3.8	5.0	6.3	7.6	8.8	10.1	11.4	12.6	13.9	15.2	16.4	17.7	19.0

Flap weight in kg (MDF: 19 mm thick, density = 900 kg/m³)

MDF	Flap width mm												
Flap height mm	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
300	1.5	2.1	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.2	6.7	7.2	7.7
350	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.0
400	2.0	2.7	3.4	4.1	4.8	5.5	6.2	6.8	7.5	8.2	8.9	9.6	10.3
450	2.3	3.1	3.9	4.6	5.4	6.2	6.9	7.7	8.5	9.2	10.0	10.8	11.5
500	2.6	3.4	4.3	5.1	6.0	6.8	7.7	8.6	9.4	10.3	11.1	11.9	12.8
550	2.8	3.8	4.7	5.6	6.6	7.5	8.5	9.4	10.4	11.3	12.2	13.2	14.1
600	3.1	4.1	5.1	6.2	7.2	8.2	9.2	10.3	11.3	12.3	13.3	14.4	15.4
650	3.3	4.5	5.6	6.7	7.8	8.9	10.0	11.1	12.2	13.3	14.5	15.6	16.7
700	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0
750	3.9	5.1	6.4	7.7	9.0	10.3	11.5	12.8	14.1	15.4	16.7	18.0	19.2
800	4.1	5.5	6.8	8.2	9.6	10.9	12.3	13.7	15.1	16.4	17.8	19.2	20.5
850	4.4	5.8	7.3	8.7	10.2	11.6	13.1	14.5	16.0	17.4	18.9	20.4	21.8
900	4.6	6.2	7.7	9.2	10.8	12.3	13.9	15.4	16.9	18.5	20.1	21.6	23.1
950	4.9	6.5	8.1	9.8	11.4	13.0	14.7	16.3	17.9	19.5	21.1	22.7	24.4

## Adjustment to different thickness of material

The values in the tables above refer to 19 mm thick material.  
The value in the table must be multiplied by a factor in order to adjust to material of different thickness.

Material thickness mm	Factor
15	0.79
16	0.84
18	0.95
19	1.00
20	1.05
22	1.16
23	1.21
26	1.37
29	1.53

### Formula for conversion

Flap weight = Weight of 19 mm thick flap according to table above x factor

### Example

MDF flap  
H x W x D = 400 mm x 1000 mm x 16 mm  
Weight according to table for this flap size, but material 19 mm thick = 6.8 kg

Convert to 16 mm thick material with factor 0.84 according to table on left  
Door weight = 6.8 kg x 0.84 = 5.7 kg