

04

 **GRASS®**

SNAP ON 3000

Timeless standard hinges for individual applications.
Strength, functionality and reliability – SNAP-ON 3000
is synonymous with durability.





A large number of individual design solutions.



Snap On 3000 rapid assembly technology with a large selection of proven applications.

The Snap On 3000 series is designed for a wide range of door applications in the kitchen, bathroom and living room furniture industry. Sturdy, reliable hinges for constant daily use provide a well-rounded programme. In this hinge series, all individual load-bearing parts like pivot pins, linkages, springs and screws are hardened and nickel-plated. Snap On 3000 offers hinges for special applications such as e.g. for corner cabinets or for blind corners.

Screws or dowels can be used for fixing to the door. Multi Lock also provides a quick-fit solution.

Fastening to the cabinet is based on the reliable Snap On technology. Here, the hinge is positioned on the baseplate and simply snapped into place. Installation and removal can be performed entirely without tools. Hardened individual components, all-metal construction and wear-free automatic closing device withstand the strictest in-house fatigue tests.

The positive function testing is also confirmed by LGA and CTBA certificates.

Snap On 3000 with Soft-close Pin

When the Soft-close Pin is used in conjunction with Snap On 3000 applications, loud cabinet door closure becomes a thing of the past. The door is gently braked and closes without a sound.

Snap On 3000 Multi Lock

The classic featuring convenient rapid assembly. Simple installation and removal.

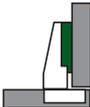
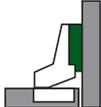
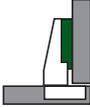
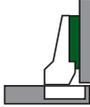
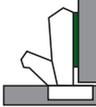
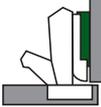
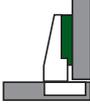
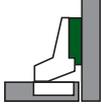
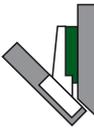
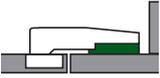
Snap On 3000 hinges with Multi Lock installation technology are fitted to the door quickly and securely. A quarter turn of the screws clockwise expands and locks the 8mm dowels. This mechanical fastening gives a secure seating and also very high pull-out resistance. The installation technology is ideal for CNC-based manufacturers.



- Nexis Impresso
- Nexis Click-on
- Nexis Slide-on
- Snap On 3000**
- Soft-close
- Tipmatic
- illuxo
- Special hinges
- Cabinet accessories
- Assembly aids
- Index

Snap On 3000

Product overview.

Opening angle	Drill hole	Short description	Full overlay	Half overlay	Inset	Page
110°/95°	 35 mm	For standard doors <ul style="list-style-type: none"> Up to 24 mm door thickness With and without self-closing Also with Multi Lock hinge cup 				4.6
120°	 35 mm	For standard doors <ul style="list-style-type: none"> Up to 24 mm door thickness With and without self-closing Also with Multi Lock hinge cup 				4.8
165°	 35 mm	Weitwinkelscharnier <ul style="list-style-type: none"> Up to 22 mm door thickness Zero protrusion With and without self-closing Also with Multi Lock hinge cup 				4.10
95°	 35 mm	Hinge for profiled doors <ul style="list-style-type: none"> Designed for profiled doors or thicker doors 				4.12
95°	 35 mm	+30° angle corner cabinet hinge <ul style="list-style-type: none"> Für Eck- und Spezialanschläge Bis 24 mm Door thickness 				4.14
95°	 35 mm	+37.5° angle corner cabinet hinge <ul style="list-style-type: none"> For angled corner cabinets and special applications Up to 24 mm door thickness 				4.16
95°	 35 mm	+45° angle corner cabinet hinge <ul style="list-style-type: none"> For angled corner cabinets and special applications Up to 24 mm door thickness 				4.18
95°	 35 mm	+60° Winkelscharnier <ul style="list-style-type: none"> Für Eck- und Spezialanschläge Bis 24 mm Door thickness 				4.20
120°	 35 mm	-45° angle corner cabinet hinge <ul style="list-style-type: none"> For angled corner cabinets and special applications Up to 22 mm door thickness 				4.22
95°	 35 mm	Blind corner hinge <ul style="list-style-type: none"> For protruding posts Up to 22 mm door thickness 				4.24

Opening angle	Drill hole	Short description	Full overlay	Half overlay	Inset	Page
95°		Aluminium frame hinge <ul style="list-style-type: none"> Up to 22 mm frame thickness Hinge fits flush with the milled aluminium profile 				4.26
100°	 30 mm	Glass door hinge <ul style="list-style-type: none"> 30 mm hinge cup For glass thicknesses 4 to 7 mm ideal für Vitrinenschränke 				4.28
		Snap On mounting plates				4.30
		Accessories <ul style="list-style-type: none"> Spacer for cross mounting plates Opening angle reduction clip 				4.32 - 4.33
		Technical information				4.34 - 4.37
		Soft-close pin for Snap On 3000 <ul style="list-style-type: none"> Air damper For drilling in or fitting with adapter plate 	 > softclose			Chapter 5 5.16
		Tipmatic pin for Snap On 3000 <ul style="list-style-type: none"> For Snap On 3000 hinges without closing mechanism For drilling in or fitting with adapter plate 	 > tipmatic			Chapter 6 6.16 6.18

 Nexis
Impresso

 Nexis
Click-on

 Nexis
Slide-on

 Snap On
3000

Soft-close

Tipmatic

illuxo

 Special
hinges

 Cabinet
accessories

 Assembly
aids

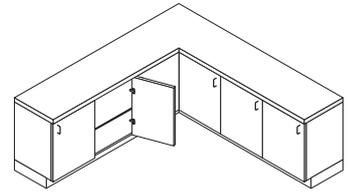
Index

Snap On 3000

110° hinge for standard doors.



- Opening angle 110°
- Up to 24 mm door thickness
- With and without self-closing
- Hinge arm with integrated 3-dimensional adjustment



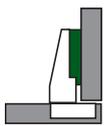
Opening angle reduction clip for 95° on page 7.32

Multi Lock

for screw-fixing

for press-fitting

Full overlay Cranking 00



Typ 3703

Hinge arm:
Zamak, nickel-plated

	Item No.	Item No.	Item No.
Hinge cup: Zamak	-	70037-34	70038-34
Hinge cup: steel	28989-34	79839-34	70039-34
without self-closing	-	12254-34	11157-34
	PU 300 pieces	PU 300 pieces	PU 300 pieces

Cover cap for cranking 00



* **

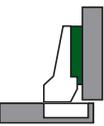
Steel, nickel-plated,
without imprint

Item No.

12351-41

PU 1000 pieces, packed at 50 pieces

Half overlay Cranking 08



Typ 3704

Hinge arm:
Zamak, nickel-plated

	Item No.	Item No.	Item No.
Hinge cup: Zamak	-	55415-34	55416-34
Hinge cup: steel	28990-34	55411-34	55413-34
without self-closing	-	55412-34	55414-34
	PU 300 pieces	PU 300 pieces	PU 300 pieces

Cover cap for cranking 08



* **

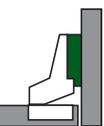
Steel, nickel-plated,
without imprint

Item No.

55410-41

PU 1000 pieces, packed at 50 pieces

Inset Cranking 18.5



Typ 3605

Opening angle 95°

Hinge arm:
Zamak, nickel-plated

	Item No.	Item No.
Hinge cup: Zamak	18378-34	18380-34
	PU 300 pieces	PU 300 pieces

Cover cap for cranking 18.5



* **

Steel, nickel-plated,
without imprint

Item No.

12354-41

PU 1000 pieces, packed at 50 pieces

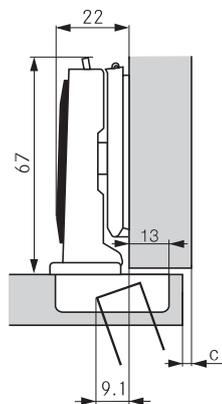
* ** on request with individual company logo/on request with Grass imprint

* on request with Grass embossed

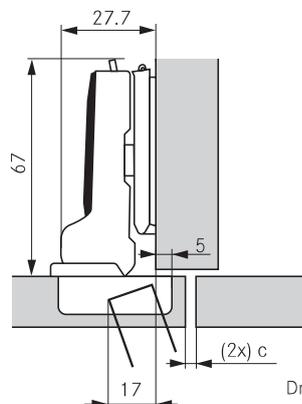
PU = packaging unit

Mounting plates	Page 4.30 - 4.31	Soft-close pin	Page 5.16	Assembly aids	Chapter 10
Accessories	Page 4.32 - 4.33	Tipmatic pin	Page 6.14	Technical Information	Page 4.34 - 4.37

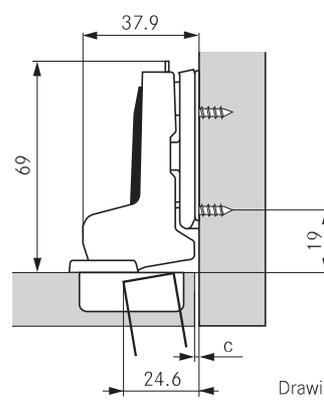
Full overlay Half overlay Inset (opening angle 95°)



Drawing with mounting plate, height 1.3



Drawing with mounting plate, height 1.3



Drawing with mounting plate, height 1.3

Cup distance

	3	4	5	6	7		
20					1.3		
19				1.3			
18			1.3				
17		1.3			4.3		
16	1.3				4.3		
15			4.3				
14		4.4					
13	4.3						
12					9.3		
							Mounting plate height (f)

Door overlay max.

Cup distance

	3	4	5	6	7		
11				1.3			
10			1.3				
9		1.3			4.3		
8	1.3				4.3		
7			4.3				
6		4.3					
5	4.3						
4					9.3		
							Mounting plate height (f)

Door overlay max.

Cup distance

	3	4	5				
0,5			1.3				
1,5		1.3					
2,5	1.3						
3,5			4.3				
							Mounting plate height (f)

Door gap min. (c)

Table of minimum gaps Reveal table Cranking 00 and 08 Cranking 18.5

The minimum gap is the gap between the closed door and the front of the cabinet.

	Cup distance						
	3	4	5	6	7		
16	0.5	0.5	0.5	0.5	0.9		
18	0.5	0.5	0.5	0.7	1.6		
19	0.5	0.5	0.5	1.0	2.0		
20	0.5	0.5	0.5	1.4	2.3		
22	0.5	0.5	1.1	2.0	3.0		
24	0.5	0.9	1.8	2.7	3.7		
							Minimum gap

Door thickness

Note

Reveal dimensions were determined with an edge radius (of the door) of 1 mm!

Hinge dimensions and calculation of reveal with factory setting.

We recommend a trial fitting.

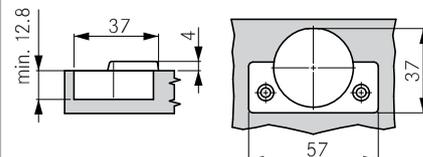
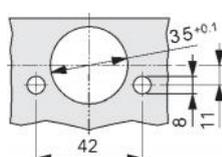
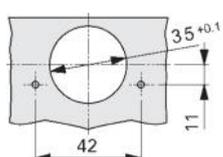
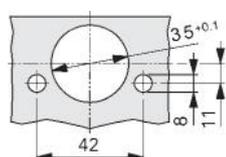
	Cup distance						
	3	4	5	6	7		
16	0.9	0.9	0.9	0.9	0.9		
18	1.5	1.4	1.4	1.3	1.3		
19	1.7	1.7	1.7	1.6	1.6		
20	2.1	2.0	1.9	1.9	1.8		
22	3.4	2.8	2.7	2.6	2.5		
24	6.2	5.2	4.2	3.5	3.3		
							Reveal min. (c)

Door thickness

	Cup distance				
	3	4	4.5		
16	0.5	0.5	0.5		
18	1.1	1.1	1.0		
19	1.6	1.5	1.4		
20	2.2	2.0	1.9		
22	3.6	3.3	3.1		
24	5.5	4.8	4.6		
					Reveal min. (c)

Door thickness

Drilling pattern for Multi Lock Drilling pattern for screw-fixing Drilling pattern for press-fitting Cup dimensions



All dimensions in millimetres.

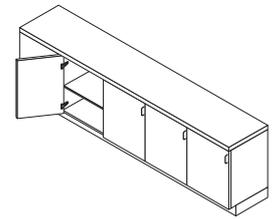
Nexis Impresso
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Snap On 3000

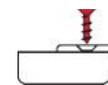
120° hinge for standard doors.



- Opening angle 120°
- Up to 24 mm door thickness
- With and without self-closing
- Hinge arm with integrated 3-dimensional adjustment



Multi Lock

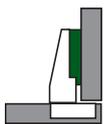


for screw-fixing



for press-fitting

Full overlay Cranking 00



Typ 3803

Hinge arm:
Zamak, nickel-plated

	Item No.	Item No.	Item No.
Hinge cup: Zamak	-	12341-34	12344-34
Hinge cup: steel	28992-34	79840-34	70042-34
without self-closing	-	12340-34	12343-34
	PU 300 pieces	PU 300 pieces	PU 300 pieces

Cover cap for cranking 00 Item No.



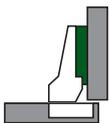
* **

Steel, nickel-plated,
without imprint

12351-41

PU 1000 pieces, packed at 50 pieces

Half overlay Cranking 08



Typ 3804

Hinge arm:
Zamak, nickel-plated

	Item No.	Item No.	Item No.
Hinge cup: Zamak	-	12636-34	12640-34
Hinge cup: steel	28991-34	12634-34	12638-34
without self-closing	-	12635-34	12639-34
	PU 300 pieces	PU 300 pieces	PU 300 pieces

Cover cap for cranking 08 Item No.



* **

Steel, nickel-plated,
without imprint

55410-41

PU 1000 pieces, packed at 50 pieces

* ** on request with individual company logo

* ** on request with Grass imprint

* on request with Grass embossed

PU = packaging unit

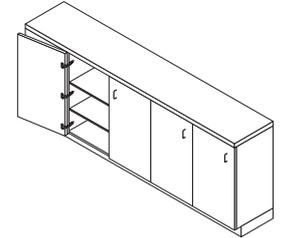
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Snap On 3000

165° wide-angle hinge.



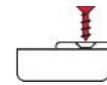
- Opening angle 165°
- Up to 22 mm door thickness
- Zero protrusion when door opened 90° using full overlay hinge
- Min. reveal 0 mm up to 22 mm door thickness
- With and without self-closing
- Hinge arm with integrated 3-dimensional adjustment



Opening angle reduction clip for 135°
on page 7.32



Multi Lock



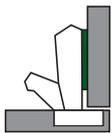
for screw-fixing



for press-fitting

Full overlay

Cranking 00



Typ 3903

Hinge cup:
Zamak, nickel-plated
Hinge arm:
Zamak, nickel-plated

	Item No.	Item No.	Item No.
	28993-33	90110-33	09897-33
without self-closing	-	12346-33	11154-33
	PU 150 pieces	PU 150 pieces	PU 150 pieces

Cover cap for cranking 00

Item No.



* **

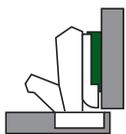
Steel, nickel-plated,
without imprint

80322-41

PU 1000 pieces/packed at 50 pieces

Half overlay

Cranking 08



Typ 3904

Hinge cup:
Zamak, nickel-plated
Hinge arm:
Zamak, nickel-plated

	Item No.	Item No.	Item No.
	28994-33	18503-33	18504-33
without self-closing	-	18521-33	18522-33
	PU 150 pieces	PU 150 pieces	PU 150 pieces

* ** on request with individual company logo

* ** on request with Grass imprint

* on request with Grass embossed

PU = packaging unit

Mounting plates

Page 4.30 - 4.31

Soft-close pin

Page 5.16

Assembly aids

Chapter 10

Accessories

Page 4.32 - 4.33

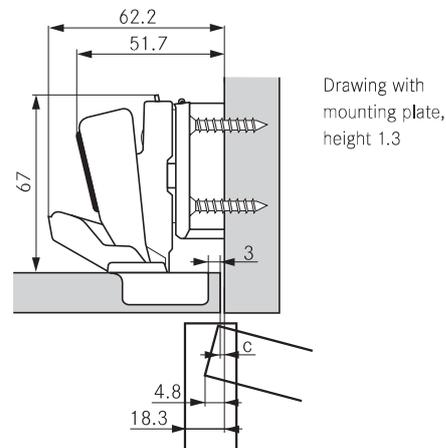
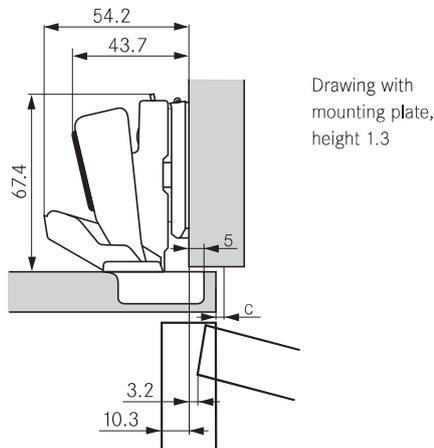
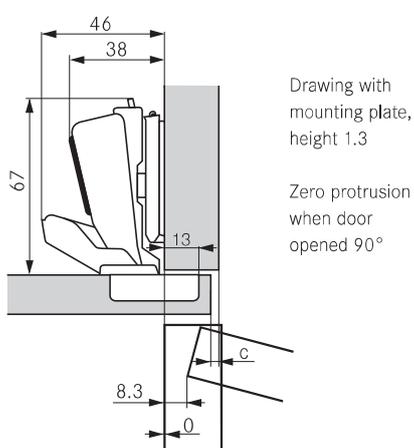
Tipmatic pin

Page 6.14

Technical Information

Page 4.34 - 4.37

Full overlay Half overlay Inset



Cup distance

Door overlay max.	3	4	5	6	7	8	9	10	Mounting plate height (f)
23								1.3	
22							1.3		
21						1.3			
20					1.3			4.3	
19				1.3				4.3	
18			1.3					4.3	
17		1.3						4.3	
16	1.3							4.3	
15			4.3					9.3	
14				4.3				9.3	
13	4.3							9.3	

Cup distance

Door overlay max.	3	4	5	6	7	8	9	10	Mounting plate height (f)
13								1.3	
12						1.3		4.3	
11					1.3			4.3	
10				1.3				4.3	
9			1.3					4.3	
8		1.3						4.3	
7				4.3				9.3	
6					4.3			9.3	
5			4.3					9.3	

Using a hinge with cranking 08, a cup distance of 3 mm and a mounting plate height 9.3 you achieve an inset application.

Table of minimum gaps

The minimum gap is the gap between the closed door and the front of the cabinet.

Cup distance

Door thickness	3	4	5	6	8	10	Minimum gap
16	0.5	0.5	0.5	0.5	0.5	0.5	
18	0.5	0.5	0.5	0.5	0.5	0.5	
19	0.5	0.5	0.5	0.5	0.5	0.5	
20	0.5	0.5	0.5	0.5	0.5	0.5	
22	0.5	0.5	0.5	0.5	0.5	0.5	
23	0.5	0.5	0.5	0.5	0.5	0.5	
24	0.5	0.5	0.5	0.5	0.5	0.5	

Reveal table

Note
Reveal dimensions were determined with an edge radius (of the door) of 1 mm!

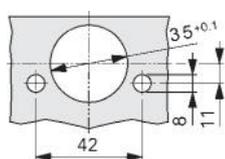
Hinge dimensions and calculation of reveal with factory setting.

We recommend a trial fitting.

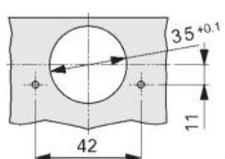
Cup distance

Door thickness	3	4	5	6	7	8	9	10	Reveal min. (c)
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22	0.3	0.3	1.1	2.8	2.6	2.0	1.3	0.8	
24	8.6	7.7	6.7	5.7	4.7	3.9	3.2	2.6	

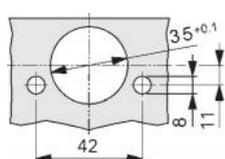
Bohrbild Multi Lock



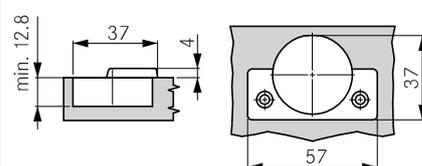
Drilling pattern for screw-fixing



Drilling pattern for press-fitting



Cup dimensions



All dimensions in millimetres.

Nexis Impresso

Nexis Click-on

Nexis Slide-on

Snap On 3000

Soft-close

Tipmatic

illuxo

Special hinges

Cabinet accessories

Assembly aids

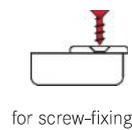
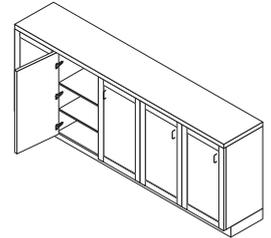
Index

Snap On 3000

95° profiled door hinge for doors up to 35 mm thick.

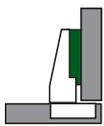


- Opening angle 95°
- Door thickness max. 25mm (with an edge radius (of the door) of 1 mm)
- For door thickness 25 - 35 mm keep the shown door profiles
- Hinge cup distance max. 4.5mm
- Self-closing
- Hinge arm with integrated 3-dimensional adjustment



Full overlay

Cranking 00



Typ 3606

Hinge cup: Zamak, nickel-plated
Hinge arm: Zamak, nickel-plated

	Item No.	Item No.
	18481-34	18482-34
	PU 300 pieces	PU 300 pieces

Cover cap for cranking 00



* **

Steel, nickel-plated,
without imprint

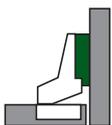
Item No.

55410-41

PU 1000 pieces, packed at 50 pieces

Inset

Cranking 18.5



Typ 3608

Hinge cup: Zamak, nickel-plated
Hinge arm: Zamak, nickel-plated

	Item No.	Item No.
	18483-34	18484-34
	PU 300 pieces	PU 300 pieces

Cover cap for cranking 18.5



* **

Steel, nickel-plated,
without imprint

Item No.

12354-41

PU 1000 pieces, packed at 50 pieces

- * ** on request with individual company logo
- * ** on request with Grass imprint
- * on request with Grass embossed

PU = packaging unit

Mounting plates	Page 4.30 - 4.31	Soft-close pin	Page 5.16	Assembly aids	Chapter 10
Accessories	Page 4.32 - 4.33	Tipmatic pin	Page 6.14	Technical Information	Page 4.34 - 4.37

overlay	Half overlay	Inset																																																																								
<p>Drawing with mounting plate, height 1.3</p> <p>Cup distance</p> <table border="1"> <thead> <tr> <th>Door overlay max.</th> <th>3</th> <th>4</th> <th>4.5</th> </tr> </thead> <tbody> <tr><td>15</td><td></td><td></td><td>1.3</td></tr> <tr><td>14</td><td></td><td>1.3</td><td></td></tr> <tr><td>13</td><td>1.3</td><td></td><td></td></tr> <tr><td>12</td><td></td><td></td><td>4.3</td></tr> <tr><td>11</td><td></td><td>4.3</td><td></td></tr> <tr><td>10</td><td>4.3</td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td>9.3</td></tr> <tr><td>6</td><td></td><td>9.3</td><td></td></tr> <tr><td>5</td><td>9.3</td><td></td><td></td></tr> </tbody> </table> <p>Mounting plate height (f)</p>	Door overlay max.	3	4	4.5	15			1.3	14		1.3		13	1.3			12			4.3	11		4.3		10	4.3			9				8				7			9.3	6		9.3		5	9.3			<p>Drawing with mounting plate, height 9.3</p> <p>Mit einem Scharnier für volloverlay Anschlag und einer Montageplatte Höhe 9,3 mm, erreichen Sie einen halboverleyen Anschlag.</p>	<p>Drawing with mounting plate, height 1.3</p> <p>Cup distance</p> <table border="1"> <thead> <tr> <th>Door gap min. (c)</th> <th>3</th> <th>4</th> <th>4.5</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td><td></td></tr> <tr><td>1,5</td><td></td><td>1.3</td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td></tr> <tr><td>2,5</td><td>1.3</td><td></td><td></td></tr> <tr><td>3</td><td></td><td>4.3</td><td></td></tr> </tbody> </table> <p>Mounting plate height (f)</p>	Door gap min. (c)	3	4	4.5	1				1,5		1.3		2				2,5	1.3			3		4.3	
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Table of minimum gaps	Reveal table																																																																																																
<p>The minimum gap is the gap between the closed door and the front of the cabinet.</p> <p>Cup distance</p> <table border="1"> <thead> <tr> <th>Door thickness</th> <th>3</th> <th>4</th> <th>4.5</th> </tr> </thead> <tbody> <tr><td>16</td><td>1.6</td><td>2.6</td><td>3.1</td></tr> <tr><td>18</td><td>1.8</td><td>2.7</td><td>3.2</td></tr> <tr><td>19</td><td>1.8</td><td>2.8</td><td>3.3</td></tr> <tr><td>20</td><td>1.9</td><td>2.9</td><td>3.4</td></tr> <tr><td>22</td><td>2.1</td><td>3.1</td><td>3.6</td></tr> <tr><td>24</td><td>2.3</td><td>3.3</td><td>3.8</td></tr> <tr><td>26</td><td>2.4</td><td>3.4</td><td>3.9</td></tr> <tr><td>28</td><td>2.6</td><td>3.6</td><td>4.1</td></tr> <tr><td>30</td><td>2.8</td><td>3.8</td><td>4.3</td></tr> <tr><td>32</td><td>3.0</td><td>4.0</td><td>4.5</td></tr> <tr><td>34</td><td>3.1</td><td>4.1</td><td>4.6</td></tr> <tr><td>35</td><td>3.2</td><td>4.2</td><td>4.7</td></tr> </tbody> </table> <p>Minimum gap</p>	Door thickness	3	4	4.5	16	1.6	2.6	3.1	18	1.8	2.7	3.2	19	1.8	2.8	3.3	20	1.9	2.9	3.4	22	2.1	3.1	3.6	24	2.3	3.3	3.8	26	2.4	3.4	3.9	28	2.6	3.6	4.1	30	2.8	3.8	4.3	32	3.0	4.0	4.5	34	3.1	4.1	4.6	35	3.2	4.2	4.7	<p>Note</p> <p>Reveal dimensions were determined with an edge radius (of the door) of 1 mm!</p> <p>Hinge dimensions and calculation of reveal with factory setting.</p> <p>We recommend a trial fitting.</p> <p>Cup distance</p> <table border="1"> <thead> <tr> <th>Door thickness</th> <th>3</th> <th>4</th> <th>4.5</th> </tr> </thead> <tbody> <tr><td>16 - 25</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>26 - 27</td><td>0.1</td><td>0.1</td><td>0.1</td></tr> <tr><td>28</td><td>0.7</td><td>0.2</td><td>0.2</td></tr> <tr><td>29</td><td>1.8</td><td>0.8</td><td>0.4</td></tr> <tr><td>30</td><td>2.9</td><td>1.9</td><td>1.4</td></tr> <tr><td>31</td><td>4.0</td><td>3.0</td><td>2.5</td></tr> <tr><td>32</td><td>5.0</td><td>4.0</td><td>3.5</td></tr> <tr><td>33</td><td>6.1</td><td>5.1</td><td>4.6</td></tr> <tr><td>34</td><td>7.2</td><td>6.2</td><td>5.7</td></tr> <tr><td>35</td><td>8.3</td><td>7.3</td><td>6.8</td></tr> </tbody> </table> <p>Reveal min. (c)</p>	Door thickness	3	4	4.5	16 - 25	0.0	0.0	0.0	26 - 27	0.1	0.1	0.1	28	0.7	0.2	0.2	29	1.8	0.8	0.4	30	2.9	1.9	1.4	31	4.0	3.0	2.5	32	5.0	4.0	3.5	33	6.1	5.1	4.6	34	7.2	6.2	5.7	35	8.3	7.3	6.8
Door thickness	3	4	4.5																																																																																														
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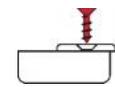
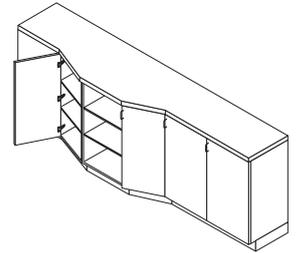
Drilling pattern for screw-fixing	Drilling pattern for press-fitting	Cup dimensions	Door profiles
			<p>All dimensions in millimetres.</p>

Snap On 3000

+30° angle corner cabinet hinge, half overlay.



- For 30° angle corner cabinets
- Opening angle 95°
- Door thickness max. 24 mm
- Self-closing
- Hinge arm with integrated 3-dimensional adjustment

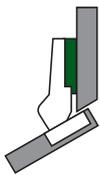


for screw-fixing



for press-fitting

Half overlay



Typ 3403 / 30°

Hinge cup: Zamak, nickel-plated
Hinge arm: Zamak, nickel-plated

	Item No.	Item No.
	16376-33	16378-33
	PU 150 pieces	PU 150 pieces

Cover cap



* **

Steel, nickel-plated,
without imprint

Item No.

12351-41

PU 1000 pieces, packed at 50 pieces

- * ** on request with individual company logo
- * ** on request with Grass imprint
- * on request with Grass embossed

PU = packaging unit

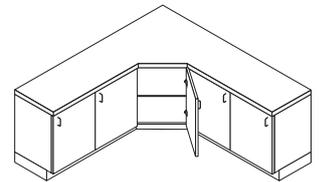
Mounting plates	Page 4.30 - 4.31	Soft-close pin	Page 5.16	Assembly aids	Chapter 10
Accessories	Page 4.32 - 4.33	Tipmatic pin	Page 6.14	Technical Information	Page 4.34 - 4.37

Snap On 3000

+37.5° angle corner cabinet hinge, half overlay.



- For 37.5° angle corner cabinets
- Opening angle 95°
- Door thickness max. 24 mm
- Self-closing
- Hinge arm with integrated 3-dimensional adjustment

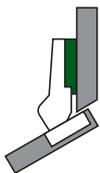


for screw-fixing



for press-fitting

Half overlay



Typ 3403 / 37,5°

Hinge cup: Zamak, nickel-plated
Hinge arm: Zamak, nickel-plated

	Item No.	Item No.
	18866-33	18868-33
	PU 150 pieces	PU 150 pieces

Cover cap



* **

Steel, nickel-plated,
without imprint

Item No.

12351-41

PU 1000 pieces, packed at 50 pieces

- * ** on request with individual company logo
- * ** on request with Grass imprint
- * on request with Grass embossed

PU = packaging unit

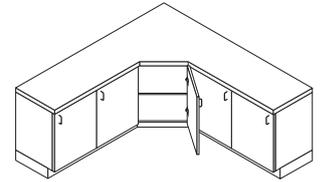
Mounting plates	Page 4.30 - 4.31	Soft-close pin	Page 5.16	Assembly aids	Chapter 10
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Snap On 3000

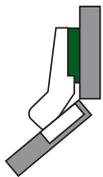
+45° angle corner cabinet hinge, half overlay.



- For 45° angle corner cabinets
- Opening angle 95°
- Door thickness max. 24 mm
- With and without self-closing
- Hinge arm with integrated 3-dimensional adjustment



Half overlay



Typ 3403 / 45°

Hinge cup: Zamak, nickel-plated
Hinge arm: Zamak, nickel-plated

	Item No.	Item No.
	16380-33	16382-33
without self-closing	16381-33	16383-33
	PU 150 pieces	PU 150 pieces

Cover cap



* **

Steel, nickel-plated,
without imprint

Item No.

12351-41

PU 1000 pieces, packed at 50 pieces

- * ** on request with individual company logo
- * ** on request with Grass imprint
- * on request with Grass embossed

PU = packaging unit

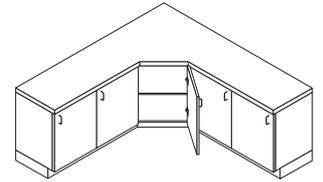
Mounting plates	Page 4.30 - 4.31	Soft-close pin	Page 5.16	Assembly aids	Chapter 10
Accessories	Page 4.32 - 4.33	Tipmatic pin	Page 6.14	Technical Information	Page 4.34 - 4.37

Snap On 3000

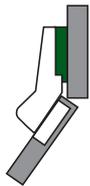
+60° angle corner cabinet hinge, half overlay.



- For 60° angle corner cabinets
- Opening angle 95°
- Door thickness max. 24 mm
- Self-closing
- Hinge arm with integrated 3-dimensional adjustment



Half overlay



Typ 3403 / 60°

Hinge cup: Zamak, nickel-plated
Hinge arm: Zamak, nickel-plated

	Item No.	Item No.
	16384-33	16386-33
	PU 150 pieces	PU 150 pieces

Cover cap



* **

Steel, nickel-plated,
without imprint

Item No.

12351-41

PU 1000 pieces, packed at 50 pieces

- * ** on request with individual company logo
- * ** on request with Grass imprint
- * on request with Grass embossed

PU = packaging unit

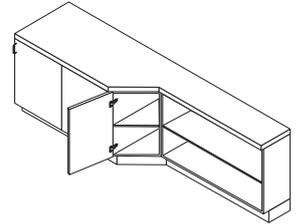
Mounting plates	Page 4.30 - 4.31	Soft-close pin	Page 5.16	Assembly aids	Chapter 10
Accessories	Page 4.32 - 4.33	Tipmatic pin	Page 6.14	Technical Information	Page 4.34 - 4.37

Snap On 3000

-45° angle corner cabinet hinge, half overlay.



- For -45° angle corner cabinets
- Opening angle 120°
- Door thickness max. 22 mm
- Self-closing
- Hinge arm with integrated 3-dimensional adjustment

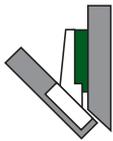


for screw-fixing



for press-fitting

Half overlay



Typ 3203 / -45°

Hinge cup: Zamak, nickel-plated
Hinge arm: Zamak, nickel-plated

	Item No.	Item No.
	24182-34	24181-34
	PU 300 pieces	PU 300 pieces

Cover cap



* **

Steel, nickel-plated,
without imprint

Item No.

12351-41

PU 1000 pieces, packed at 50 pieces

- * ** on request with individual company logo
- * ** on request with Grass imprint
- * on request with Grass embossed

PU = packaging unit

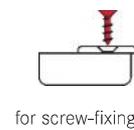
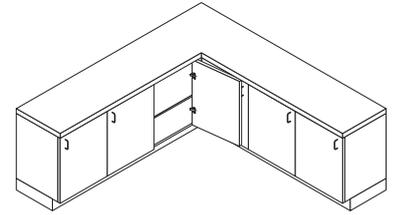
Mounting plates	Page 4.30 - 4.31	Soft-close pin	Page 5.16	Assembly aids	Chapter 10
Accessories	Page 4.32 - 4.33	Tipmatic pin	Page 6.14	Technical Information	Page 4.34 - 4.37

Snap On 3000

95° blind corner hinge, inset

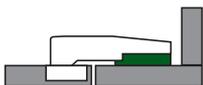


- For direct mounting on protruding post
- Opening angle 95°
- Door thickness max. 22 mm
- With and without self-closing
- Hinge arm with integrated 3-dimensional adjustment



Inset

Typ 3303



Hinge cup: Zamak, nickel-plated
Hinge arm: Zamak, nickel-plated

	Item No.	Item No.
	11511-33	11606-33
without self-closing	11609-33	11604-33
	PU 150 pieces	PU 150 pieces

Cover cap



* **

Steel, nickel-plated,
without imprint

Item No.

12351-41

PU 1000 pieces, packed at 50 pieces

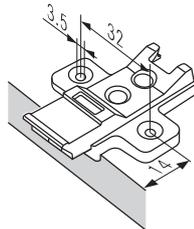
- * ** on request with individual company logo
- * ** on request with Grass imprint
- * on request with Grass embossed

Cross mounting plate for blind corner hinge

For screw fixing



- Zamak, nickel-plated
- For fixing with wood screws
- Fixing distance 14 mm
- Line boring 32 mm



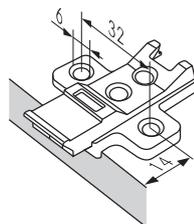
Height	Item No.
4,3	11704-53
packed at 50 pieces	PU 500 pieces

Cross mounting plate for blind corner hinge

For Euro screws

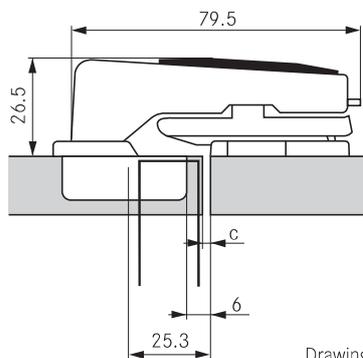


- Zamak, nickel-plated
- For fixing with Euro screws
- Fixing distance 14 mm
- Line boring 32 mm

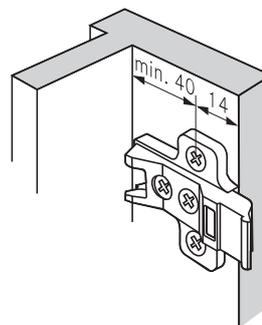


Height	Item No.
4,3	55677-53
packed at 50 pieces	PU 500 pieces

PU = packaging unit



Drawing with mounting plate, height 4.3



Reveal table

Note

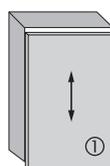
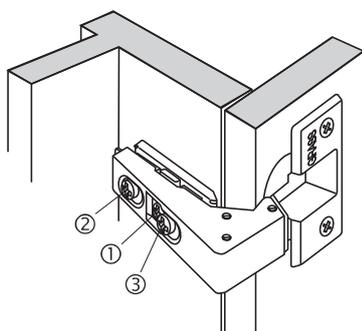
Reveal dimensions were determined with an edge radius (of the door) of 1 mm!

Hinge dimensions and calculation of reveal with factory setting.

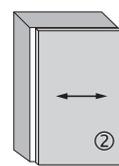
We recommend a trial fitting.

	Cup distance						
	3	4	5	5.5			
16	0.5	0.5	0.5	0.5			
18	0.5	0.5	0.5	0.5			
19	0.5	0.5	0.5	0.5			
20	0.9	0.8	0.8	0.7			
22	2.3	2.0	1.7	1.6			
Door thickness							
							Reveal min. (c)

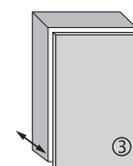
Adjustments



Height adjustment
±2 mm



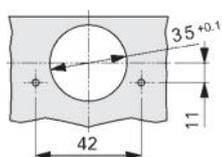
Side adjustment
±2 mm



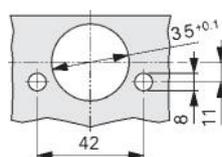
Depth adjustment
±2 mm

All adjustment options are independent of one another.

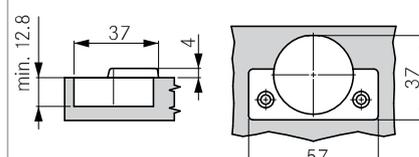
Drilling pattern for screw-fixing version



Drilling pattern for press-fitting version



Cup dimensions



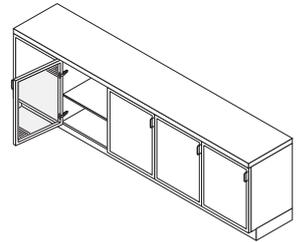
All dimensions in millimetres.

Snap On 3000

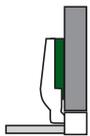
95° aluminium frame hinge.



- Opening angle 95°
- Frame thickness max. 22 mm
- Hinge fits flush with the milled aluminium profile
- With and without self-closing
- Hinge arm with integrated 3-dimensional adjustment
- Fixing screws 3,5 x 9,5 mm are included



Half overlay Cranking 00



Typ 3103

Hinge cup: Zamak, nickel-plated
Hinge arm: Zamak, nickel-plated

	Item No.	
	29035-34	
without self-closing	48649-34	
	PU 300 pieces	

Cover cap Item No.



Steel, nickel-plated,
without imprint

12351-41
PU 1000 pieces, packed at 50 pieces

- * ** on request with individual company logo
- * ** on request with Grass imprint
- * on request with Grass embossed

PU = packaging unit

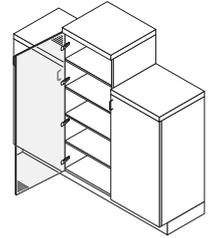
Mounting plates	Page 4.30 - 4.31	Soft-close pin	Page 5.16	Assembly aids	Chapter 10
Accessories	Page 4.32 - 4.33	Tipmatic pin	Page 6.14	Technical Information	Page 4.34 - 4.37

Snap On 3000

100° glass door hinge.



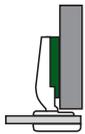
- Glass door hinge, 30 mm cup
- For glass thicknesses 4 to 7 mm
- Opening angle 100°
- With and without self-closing
- Hinge arm with integrated 3-dimensional adjustment
- Minimum gap 1 mm



Important:

Not suitable for satined glass!

Full overlay Cranking 00



Typ 3503

Hinge cup: black plastic
Hinge arm: Zamak, nickel-plated

	Item No.
	50110-34
without self-closing	12347-34
	PU 300

Cover cap for cranking 00

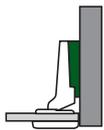


* **

Steel, nickel-plated,
without imprint

	Item No.
	12351-41
	PU 1000 pieces, packed at 50 pieces

Inset Cranking 18.5



Typ 3505

Hinge cup: black plastic
Hinge arm: Zamak, nickel-plated

	Item No.
	50111-34
without self-closing	12348-34
packed at 50 pieces	PU 300

Cover cap for cranking 18.5



* **

Steel, nickel-plated,
without imprint

	Item No.
	12354-41
	PU 1000 pieces, packed at 50 pieces

* ** on request with individual company logo

* ** on request with Grass imprint

* on request with Grass embossed

Decorative cover caps

		
Colour	Item No.	Item No.
black	84221-41	84225-41
nickel	83585-41	83823-41
gold	83584-41	83836-41
	PU 50 pieces	PU 50 pieces

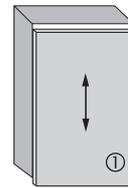
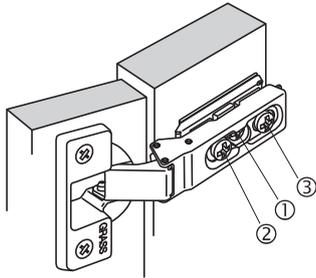
Material ABS, bright finish.

PU = packaging unit

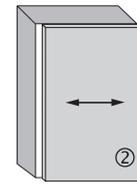
Mounting plates	Page 4.30 - 4.31	Soft-close pin	Page 5.16	Assembly aids	Chapter 10
Accessories	Page 4.32 - 4.33	Tipmatic pin	Page 6.16	Technical Information	Page 4.34 - 4.37

Snap On mounting plates

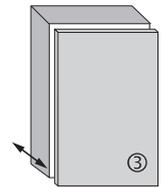
For Snap On 3000 hinges.



Height adjustment
±2 mm



Side adjustment
±2 mm



Depth adjustment
±2 mm

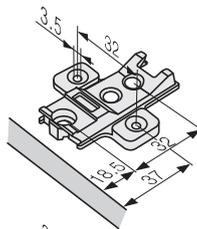
All adjustment options are independent of one another.

Cross mounting plate

For screw fixing

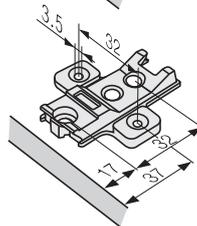


- Zamak, nickel-plated
- For fixing with wood screws
- Fixing distance 37 mm
- Line boring 32 mm
- For gap 0,5 mm



Height	Item No.	Item No.
1.3	18126-41	18126-54*
4.3	18127-41	18127-53
9.3	18128-41	18128-53
PU	50 pieces	500/1000* pieces at 50

- Zamak, nickel-plated
- For fixing with wood screws
- Fixing distance 37 mm
- Line boring 32 mm
- For gap 2 mm



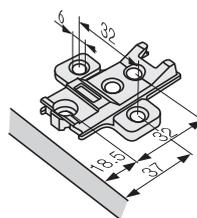
Height	Item No.	Item No.
1.3	10759-41	10759-54*
4.3	10763-41	10763-53
9.3	10767-41	10767-53
PU	50 pieces	500/1000* pieces at 50

Cross mounting plate

For Euro screws

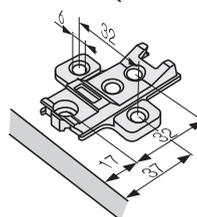


- Zamak, nickel-plated
- For fixing with Euro screws
- Fixing distance 37 mm
- Line boring 32 mm
- For gap 0,5 mm



Height	Item No.	Item No.
1.3	16901-41	16901-54*
4.3	16902-41	16902-53
9.3	16903-41	16903-53
PU	50 pieces	500/1000* pieces at 50

- Zamak, nickel-plated
- For fixing with Euro screws
- Fixing distance 37 mm
- Line boring 32 mm
- For gap 2 mm



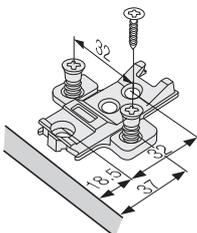
Height	Item No.	Item No.
1.3	10761-41	10761-54*
4.3	10765-41	10765-53
9.3	10769-41	10769-53
PU	50 pieces	500/1000* pieces at 50

Cross mounting plate for twin application

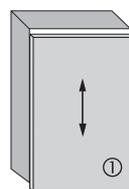
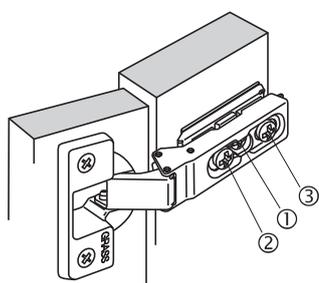
With pre-mounted shorter Euro screws



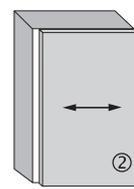
- Zamak, nickel-plated
- For fixing with pre-mounted short Euro screws
- Fixing distance 37 mm
- Line boring 32 mm
- For gap 0,5 mm



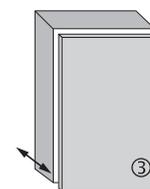
Height	Item No.	Item No.
1.3	38043-41	38043-53
4.3	38902-41	38902-53
PU	50 pieces	500 pieces at 50



Height adjustment
±2 mm



Side adjustment
±2 mm



Depth adjustment
±2 mm

All adjustment options are independent of one another.

Nexis
Impresso

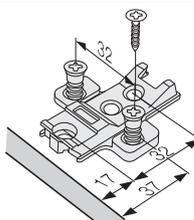
Nexis
Click-on

Nexis
Slide-on

Cross mounting plate for twin application

With pre-mounted shorter Euro screws

- Zamak, nickel-plated
- For fixing with pre-mounted short Euro screws
- Fixing distance 37 mm
- Line boring 32 mm
- For gap 2 mm



Height	Item No.	
1.3	38042-41	
PU	50 pieces	

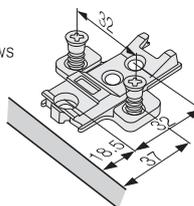
Snap On
3000

Cross mounting plate

With pre-mounted Euro screws



- Zamak, nickel-plated
- For fixing with pre-mounted Euro screws
- Fixing distance 37 mm
- Line boring 32 mm
- For gap 0,5 mm

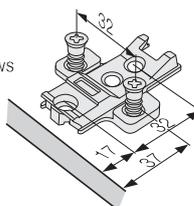


Height	Item No.	Item No.
1.3	16904-41	16904-53
4.3	16905-41	16905-53
9.3	16906-41	16906-53
PU	50 pieces	500 pieces at 50

Soft-close

Tipmatic

- Zamak, nickel-plated
- For fixing with pre-mounted Euro screws
- Fixing distance 37 mm
- Line boring 32 mm
- For gap 2 mm



Height	Item No.	Item No.
1.3	12643-41	12643-53
4.3	10191-41	10191-53
9.3	17672-41	17672-53
PU	250 pieces at 50	500 pieces at 50

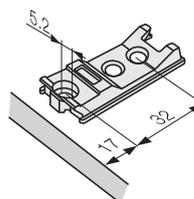
illuxo

Linearmontageplatte

For screw fixing



- Zamak, nickel-plated
- For fixing with wood screws
- For gap 2 mm



Height	Item No.	Item No.
1.3	10717-41	10717-54*
4.3	60174-41	60174-54*
9.3	12355-41	12355-53
PU	50 pieces	500/1000* pieces at 50

Special
hinges

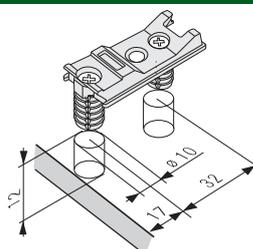
Cabinet
accessories

Linearmontageplatte

With dowels



- Zamak, nickel-plated
- For fixing with dowels
- For gap 2 mm



Height	Item No.	Item No.
1.3	10721-41	10721-54*
4.3	60176-41	60176-53
9.3	11519-41	11519-53
PU	50 pieces	500/1000* pieces at 50

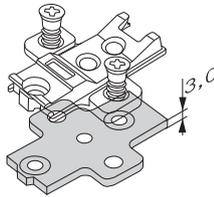
Assembly
aids

Index

Accessories

For Snap On 3000 hinges.

Distance plate for cross mounting plates



Item No.	Item No.
10129-41	10129-54
PU 50 pieces	PU 1000* pieces at 50

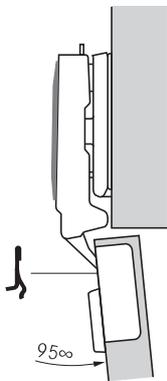
7,5° distance plate for cross mounting plates



Die 7,5° abgechrägte Unterlegplatte ermöglicht vielfältige Winkelvarianten für Eckschränklösungen.
Stapelbar, Kunststoff grau, RAL 7004

Item No.
38314-41
PU 50 pieces

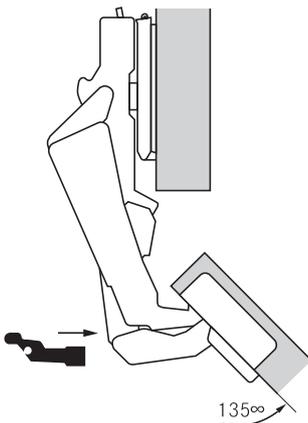
Opening angle reduction clip for 95°



Opening angle reduction to 95°
For 110° standard door hinges, page 4.6
Prevents doors from colliding with fronts or walls in corner installations.
Black plastic

Item No.
80149-41
PU 50 pieces

Opening angle reduction clip for 135°

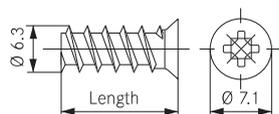


Opening angle reduction to 135°
For 165° wide-angle hinges, page 4.10
Prevents doors from colliding with fronts or walls in corner installations.
Black plastic

Item No.
11590-42
PU 100 pieces

Fixing screws

191 / 192 Euro screw, nickel-plated



Item No. / Ø 6.3 x 10.5 mm

Item No. / Ø 6.3 x 13

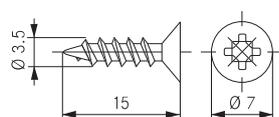
711.331.61.9715

707.331.61.9715

PU 5000 pieces

PU 1000 pieces

198 Chipboard screw, nickel-plated



Item No. / Ø 3.5 x 15 mm

707.333.51.9715

PU 1000 pieces

Nexis
Impresso

Nexis
Click-on

Nexis
Slide-on

Snap On
3000

Soft-close

Tipmatic

illuxo

Special
hinges

Cabinet
accessories

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aids

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Technical information

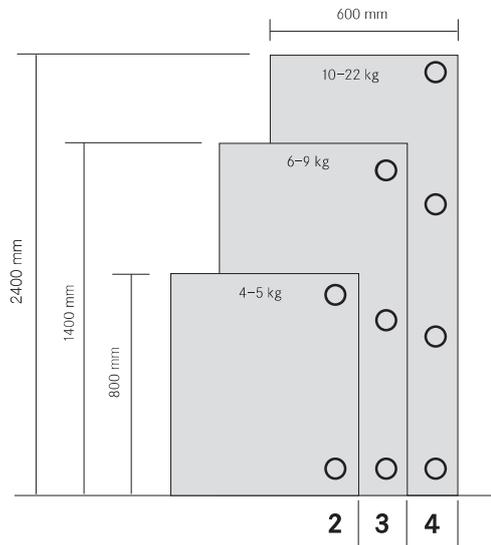
for Snap On 3000.

Number of hinges per door

Determining factors are the height and weight of the door, the quality of the material, cup and mounting plate fixing.

The load and height figures refer to standard door widths of 600 mm.

In cases of uncertainty, the number of hinges should be determined with a trial installation.

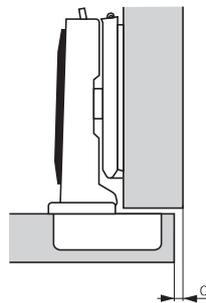


Number of hinges

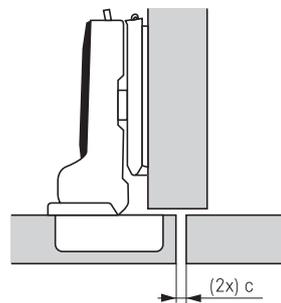
Reveal

The reveal (**c**) is the distance that should be left between two doors or between the door and side wall of the cabinet to allow sufficient space for opening the door. The required reveal width (**c**) depends on the thickness of the door. Most furniture makers prefer a reveal (**c**) between 3 mm and 6 mm

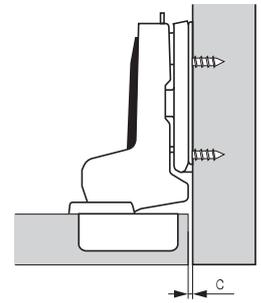
Full overlay door



Half overlay door



Inset door



Required reveal

The table shows the reveal that should be left between two doors or between door and side wall to allow enough space for opening the door.

Example:

For a door thickness of 18 mm and a cup distance of 5 mm a gap of 1.4 mm is needed.

Door thickness	Cup distance						
	3	4	5				
16	0.9	0.9	0.9				
18	1.4	1.4	1.4				
19	1.9	1.7	1.6				
20	3.6	2.6	2.0				
22	7.1	6.1	5.1				
24	10.5	9.5	8.5				
							Reveal min. (c)

Note

Reveal dimensions were determined with an edge radius (of the door) of 1 mm! Hinge dimensions and calculation of reveal based on factory setting. We recommend a trial fitting.

Reveal achievable with inset door

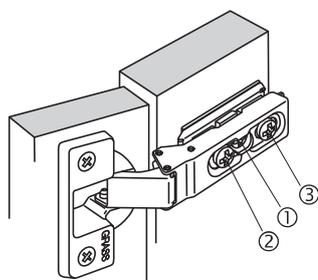
The table shows the achievable reveal for an inset door, depending on the cup distance and mounting plate height.

Example:

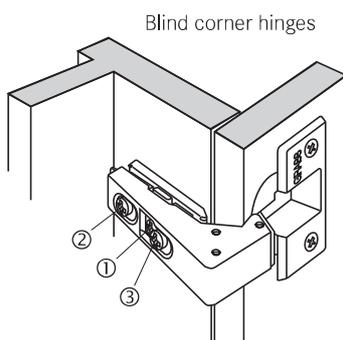
A cup distance of 4 mm results from using a mounting plate with height 1.3 in a reveal (**c**) of 1.5 mm. This is also called negative opening action.

Door gap min. (c)	Cup distance						
	3	4	5				
0.5			1.3				
1.5		1.3					
2.5	1.3						
							Mounting plate height (f)

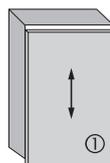
Adjustments



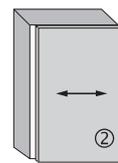
Standard hinges



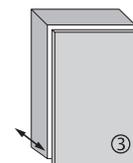
Blind corner hinges



Height adjustment
±2 mm



Side adjustment
±2 mm



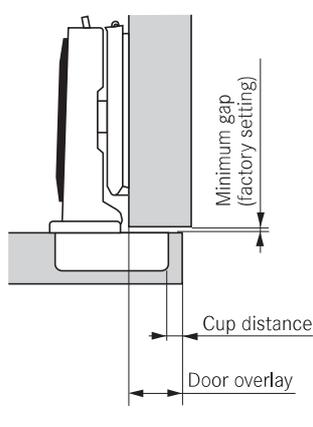
Depth adjustment
±2 mm

All adjustment options are independent of one another.

Minimum gap – Cup distance

The **minimum gap** is the gap between the closed door and the front of the cabinet.

The **cup distance** is the distance between the edge of the door and the edge of the cup hole.



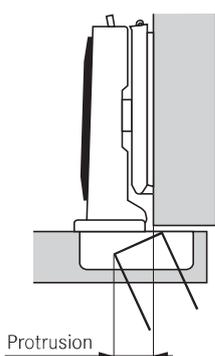
Example:

For a door thickness of 19 mm and a cup distance of 5 mm the minimum gap is 1.7 mm.

	Cup distance							
	3	4	5					
16	0.5	0.5	0.5					
18	0.5	0.7	1.2					
19	0.5	1.2	1.7					
20	0.9	1.7	2.2					
22	1.9	2.7	3.2					
24	2.9	3.7	4.2					
Door thickness								
								Minimum gap

Door edge protrusion

The **door edge protrusion** is the amount by which the edge of the open door protrudes into the opening and varies depending on the type of hinge and method of fixing. It is stated on the respective catalogue page and refers to the stated mounting plate for the factory setting. It can be changed by changing the height of the mounting plate and operating the lateral adjustment.



Door overlay

The **door overlay** is that part of the cabinet side wall or frame that is covered by the door.

Example:

For a hinge with a cranking of 08, a mounting plate height of 4.3 and a cup distance of 4 mm, the door overlay is 14 mm.

	Cup distance							
	3	4	5					
18			1.3					
17		1.3						
16	1.3							
15			4.3					
14		4.3						
13	4.3							
12			9.3					
10		9.3						
Door overlay max.								
								Mounting plate height (f)

Technical information

for Snap On 3000.

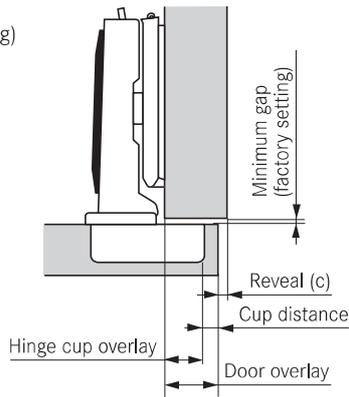
Option for changing the door overlay by selecting different crankings

by selecting a cranking

by using a different mounting plate height

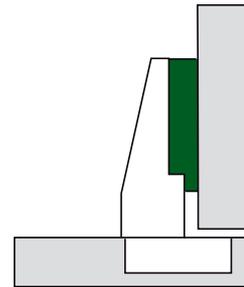
Full overlay (Cranking 00)

The cup protrusion (factory setting) plus cup distance determine the door overlay. You can find the dimensions in a table on the respective page of the catalogue.



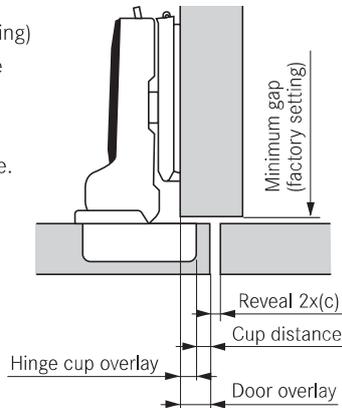
Full overlay

Using a hinge with a cranking of 00 and mounting plate height 1.3.



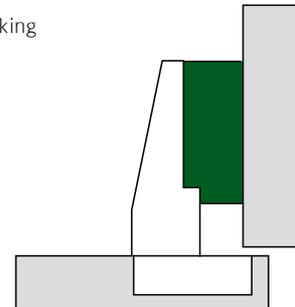
Half overlay (Cranking 08)

The cup protrusion (factory setting) plus cup distance determine the door overlay. You can find the dimensions in a table on the respective page of the catalogue.



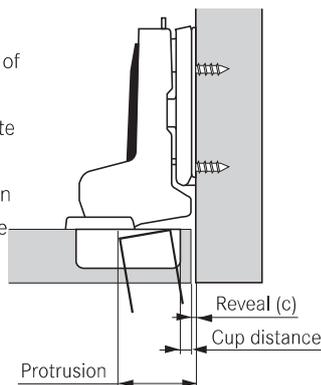
Half overlay

Using a hinge with a cranking of 08 and mounting plate height 9.3.



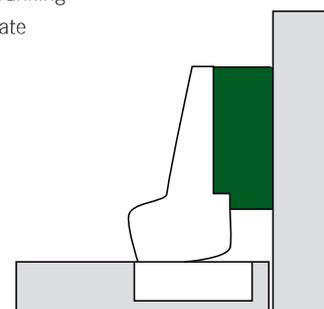
Inset (Cranking 18.5)

There is no door overlay. The gap (c) between the side of the cabinet and the door depends on the mounting plate height and the cup distance. You can find the dimensions in a table on the respective page of the catalogue.



Inset

Using a hinge with a cranking of 08 and mounting plate height 9.3.



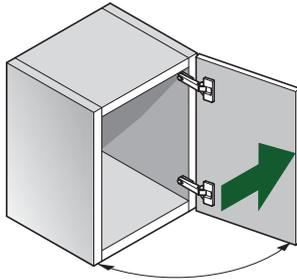
Test criteria



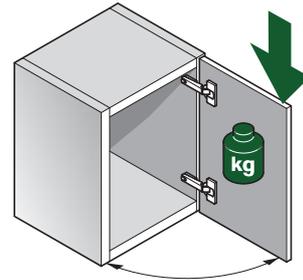
for hinges.

Structural load test (resistance to excessive pulling)	Wear test / durability test
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The door is opened forcefully with a defined test force. (10 x 80 N)



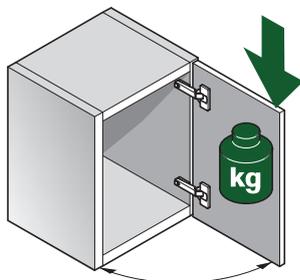
A defined additional load is imposed on the door which has to endure a certain number of opening and closing movements. (100,000 cycles with additional load 2 x 20 N)



max. opening angle minus 5°

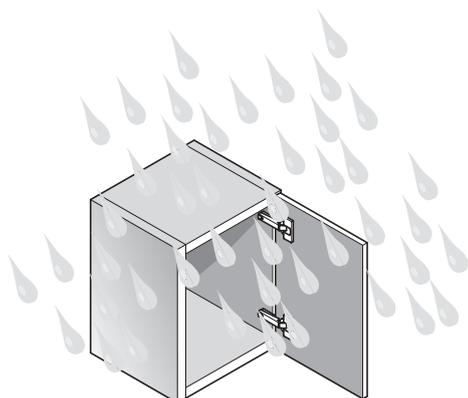
Safety test	
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A defined large additional load is imposed on the door which has to endure a certain number of opening and closing movements. (300 N)



Salt mist test and condensate test

In accordance with DIN 50021 SS and DIN 50017



Nexis
Impresso

Nexis
Click-on

Nexis
Slide-on

Snap On
3000

Soft-close

Tipmatic

illuxo

Special
hinges

Cabinet
accessories

Assembly
aids

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