

Hardware system for handle-free furniture

Grass Touch Latch Senso

For doors and drawers

III > touchlatchsenso

G* GRASS
The star in your cabinet



Clean-cut fronts, uninterrupted by handles, permit smooth lines and modern furniture designs with a clear accent on the horizontal.



Grass Touch Latch Senso



Hardware system for handle-free furniture.



Convenient opening for handle-free furniture.

Grass was quick to recognise the trend towards kitchens and furniture which create a sleek, minimalist impression and began to develop hardware solutions for handle-free fronts over two years ago.

The result is two Touch Latch Senso systems for doors and drawers which are entirely mechanical in function and impose no restrictions on the user. The basic idea is simple: the easier and more straightforward the handling, the greater the delight experienced by users.

Touch Latch Senso for drawers.

The drawer can be opened by tapping any point on the front. Irrespective of whether that is at the top, bottom, right or left, or in the centre, the drawer opens gently and provides the user with convenient access to its contents. This full-surface activation mechanism is made possible by the synchronisation of the Touch Latch Senso fitting. Simply unique and purely mechanical.

Touch Latch Senso for doors.

The ingenious interaction between magnet, Touch Latch Senso element and hinges without closing springs enables a convenient design solution for drawers. A short tap on the front opens the door to a convenient

angle. When closed, the door is held precisely and reliably closed thanks to the magnet's large catch range. Recessed grips are a thing of the past. The new Touch Latch solutions from Grass allow an elegant combination of design and convenience.

Another benefit: Existing furniture ranges can be readily extended to include a handle-free option.



Grass Touch Latch Senso

Greater convenience for regular and high-front drawers.

Unique and perfect

Touch Latch Senso is the first synchronised mechanical fitting for handle-free drawers used in conjunction with double-wall slide systems. This unique feature offers considerable advantages over previous touch-latch systems. The particular design of handle-free furniture can now benefit from the added value of top-class functionality provided by this hardware from Grass. At the same time, there is no need to forego the success factors of the incomparable drawer slide system Nova Pro. Numerous awards attest to its perfect function.

Versatile in application

Just like the standard Nova Pro cabinet member, the Touch Latch Senso version is suitable for loads of up to 70 kg. The usual regular and high-front drawer systems can be used, giving you the entire Nova Pro range to choose from.

Convenient opening

Narrow or wide drawer fronts can be incorporated in your furniture design. The user can open and close the drawer conveniently by a gentle tap at any point over the entire front width. This unique convenience of the full-surface activation zone is made possible by

synchronisation of the left and righthand slides.

Optimal access

Under normal load, the drawer opens up to approx. 2/3 of its extension. This generous opening distance provides the user with ready access to the drawer contents and enables efficient working in the kitchen.

Reliable closure

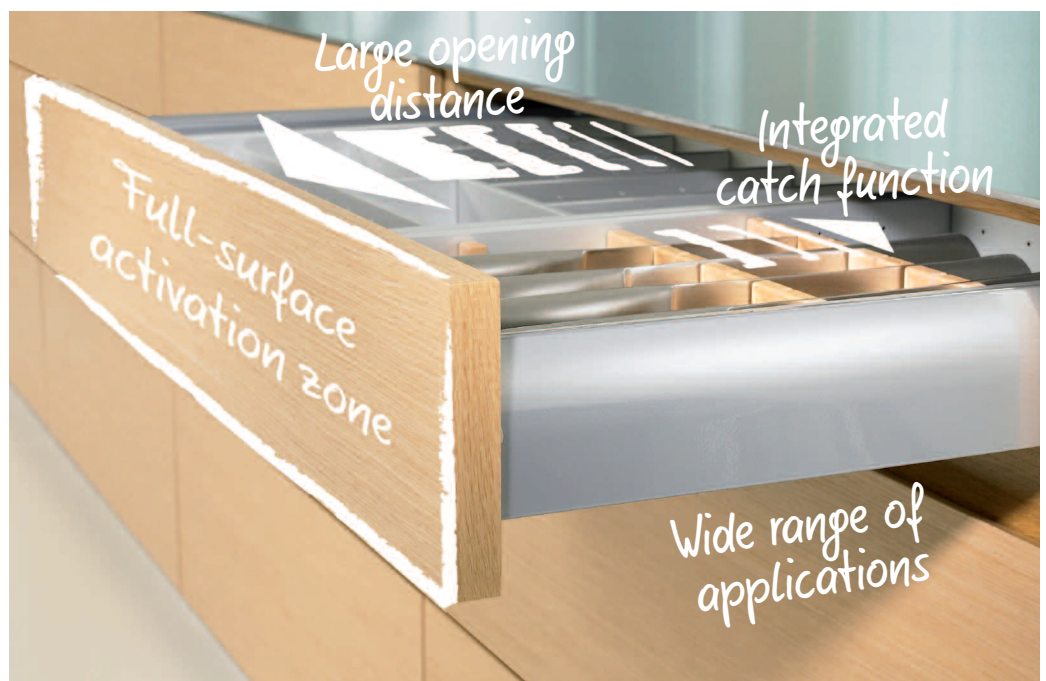
To make drawer closure an equally positive experience for the user, developers focused particular attention on the catch function. Unlike previous touch-latch solutions, the drawer is held reliably closed even if pushed forcefully shut.

Straightforward answer for handle-free furniture

Thanks to Touch Latch Senso, the manufacturer can dispense with the milling operations on the front and grip recesses on the cabinet previously required for handle-free solutions.

The synchronisation unit is fitted in a few simple steps. Installers rate Nova Pro as the installation-friendliest drawer slide system on the market.

The many tool-free adjustment facilities are one of the reasons. With Touch Latch Senso there is now an innovative integrated depth adjustment which, needless to say, is also tool-free.



Grass Touch Latch Senso



Greater convenience for regular and high-front drawers.



Touch Latch Senso Nova Pro cabinet members		
Nominal length	Type P904S, 40kg	Type P907S, 70kg
270 mm	68290-04	
300 mm	68291-04	
350 mm	68292-04	
400 mm	68293-04	
450 mm	68294-04	
500 mm	68295-04	68301-04
550 mm	68296-04	68302-04
600 mm		68303-04
650 mm		68304-04
PU 10 pairs/pack (-04)		



Locking unit	
	Ord. No.
PU à 1/10 pair	68270-04
PU 10 pairs (l+r separate)	68270-71



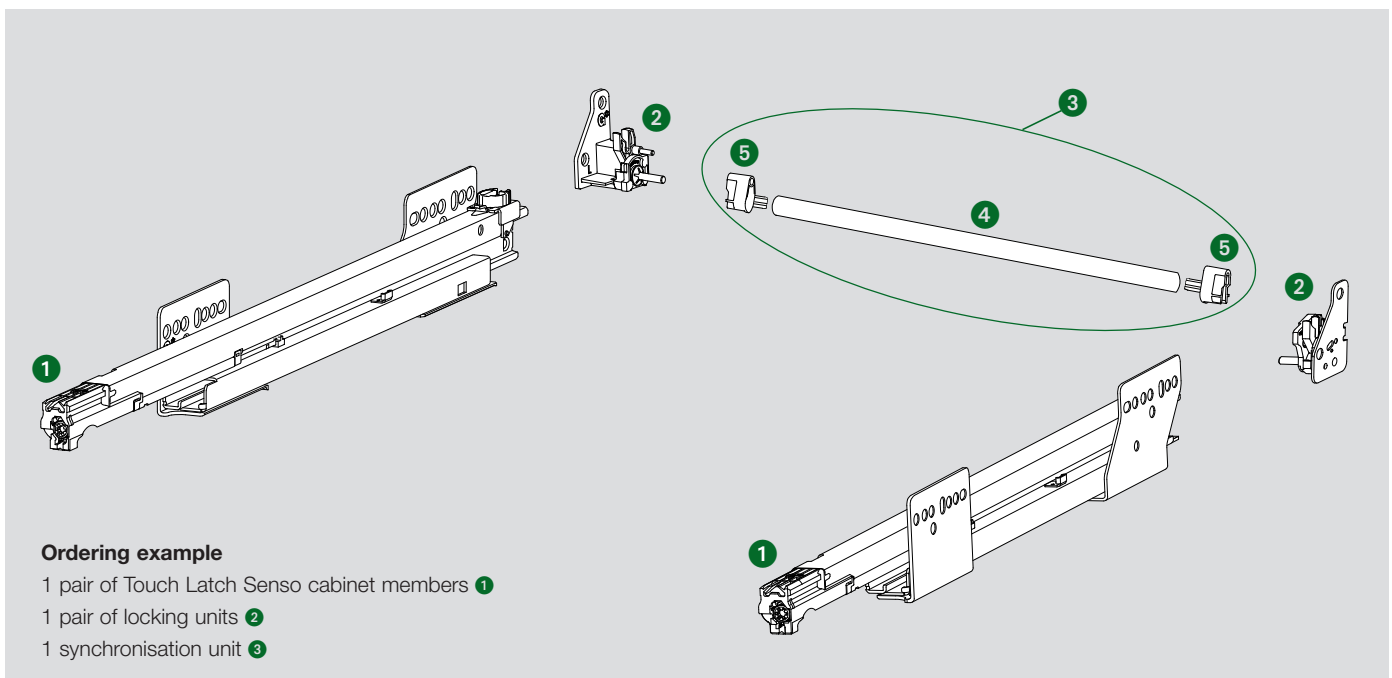
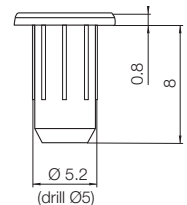
Synchronisation unit		
Nominal length	16 mm cabinet sides	19 mm cabinet sides
450 mm	68250-04	68262-04
600 mm	68253-04	68264-04
900 mm	68255-04	68266-04
1200 mm	68257-04	68268-04
PU 10 pcs. (-04)		



Synchronisation unit for cutting to size		
	Ord. No.	
4 Synchronisation bar (1200 mm)	68272-04	PU 10 pcs.
5 Synchronisation lever	68273-39	PU 20 pcs.



Front buffer	
	Ord. No.
PU 100 pcs.	68399-42



Ordering example

- 1 pair of Touch Latch Senso cabinet members 1
- 1 pair of locking units 2
- 1 synchronisation unit 3

Drawer systems can be used as before (see Nova Pro technical manual for order number)

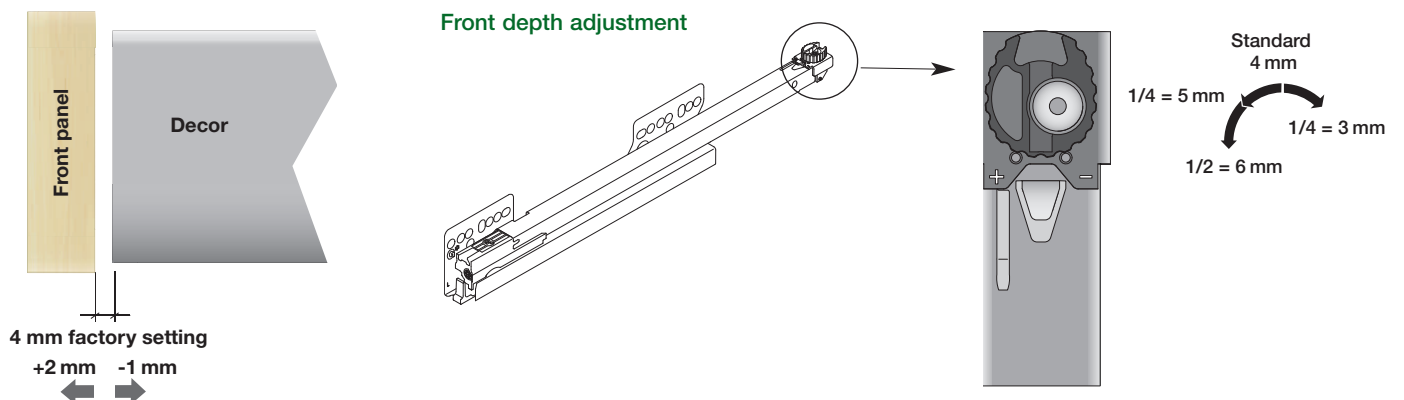
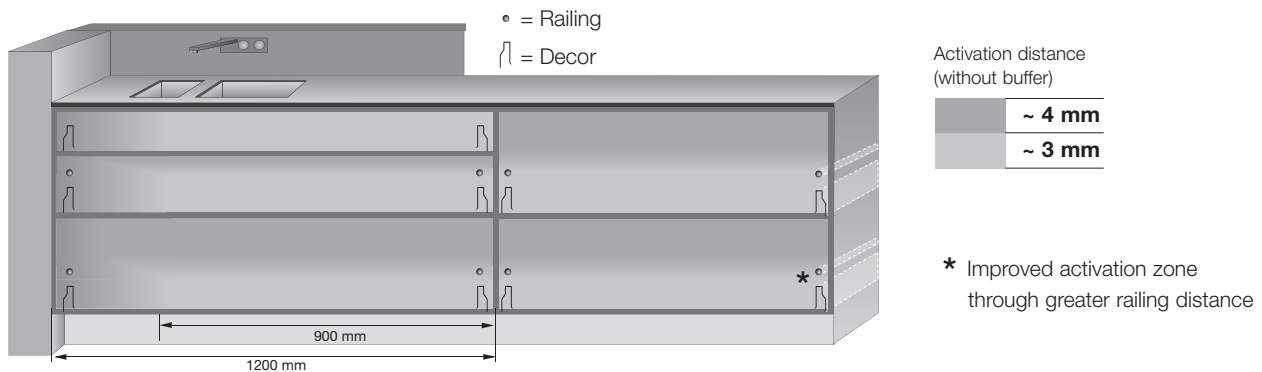
Grass Touch Latch Senso

Installation notes for regular and high-front drawers.

Tips:

- Use Touch Latch Senso for modern furniture design and incorporate fronts which are flush with the cabinet sides.
- Select the required activation zone in accordance with your front configuration and then determine the required activation distance (in relation to the highest front) so that the depth of the cabinet sides can be calculated.
- The activation distance can be reduced as follows:
 - Plan consistently lower fronts, which will also produce smoother lines in the horizontal.
 - The stability of pan drawers can be increased by using a higher railing distance or even front supports.
- Bear in mind that front buffers increase the front gap.
- Touch Latch Senso is only suitable for handle-free fronts. The drawer must be tapped to open it.
- When transporting the cabinet the locking unit must be disengaged (front gap < 3 mm).
- Installation: see installation instructions

Activation range with required activation distance (guide)

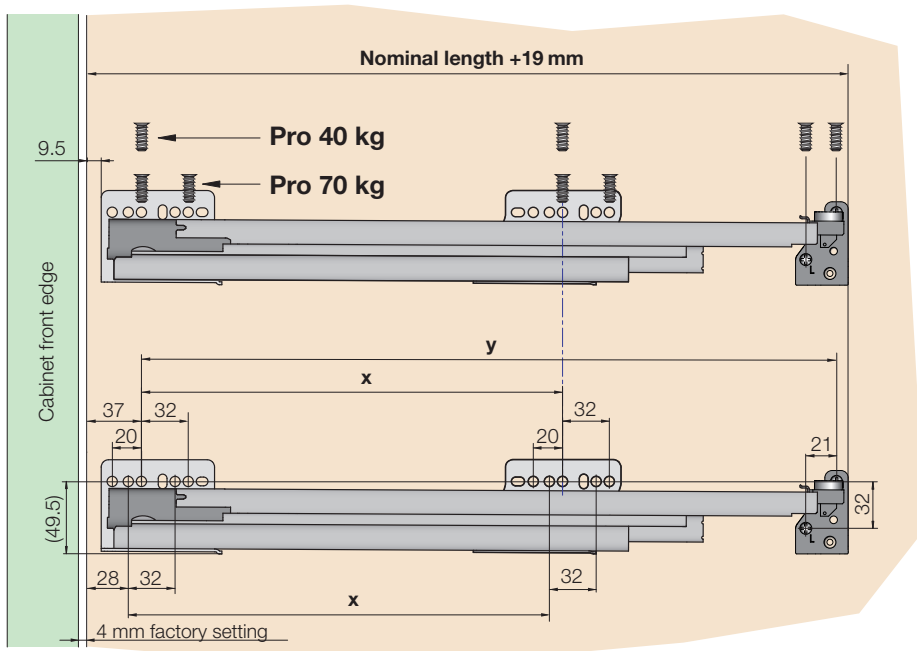


Grass Touch Latch Senso



Installation notes for regular and high-front drawers.

Screw fixing positions with Touch Latch Senso for Nova Pro, 40kg and 70kg

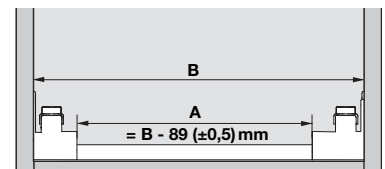
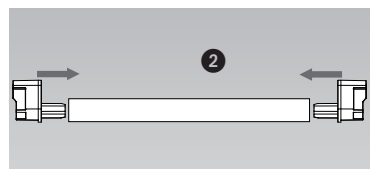
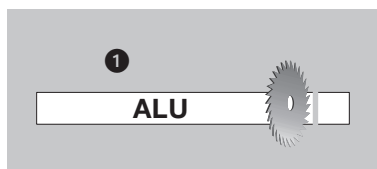


We recommend fixing with standard Euro screws $\varnothing 6 \times 13$ mm in accordance with the diagram (left) and using a chip board quality based on a resistance to axial withdrawal of screws to DIN EN 320 (>1000 N). Fixing methods which deviate from the specification are to be checked by the furniture manufacturer.

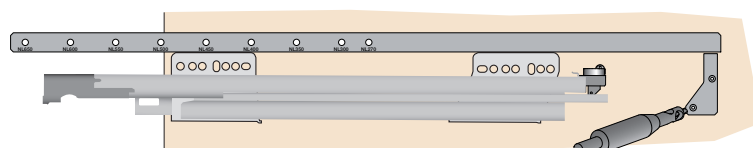
Slide length

	270	300	350	400	450	500	550	600	650
X	160 mm	224 mm	224 mm	224 mm	288 mm	288 mm	288 mm	288 mm	352 mm
Y	243 mm	273 mm	323 mm	373 mm	423 mm	473 mm	523 mm	573 mm	623 mm

Cut synchronisation bar to length



Drilling jig for locking unit	
	Ord. No.
PU = 1 pcs.	95530





The challenge – greater convenience for doors.

The challenge – trend towards handle-free furniture

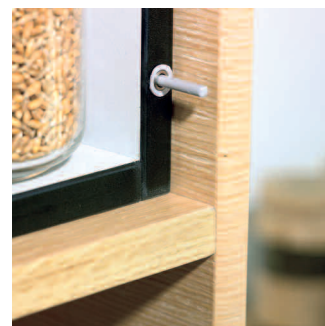
Grass has developed a touch-latch system for doors to address the trend towards handle-free furniture schemes among designers and architects. A simple, gentle tap against the front panel causes the door to open, as if by itself. The door opens to a convenient angle, allowing the user to readily grip the handle-free front to open it further. A magnet is used to hold the door precisely and reliably closed. No handle is necessary to open and close the door. Handle-free fronts provide designers and architects with plenty of scope for creative furniture solutions.

The Grass solution “Touch Latch Senso for doors” is designed for hinges without closing springs. There is no need for special hinges with a special opening spring. Grass Touch Latch Senso for doors can be used for wooden, aluminium and glass doors. That means there are no restrictions to stand in your way when it comes to the application range.

Unique product features for maximum customer benefit

The new fitting for handle-free cabinet doors Touch Latch Senso from Grass provides enhanced door design with the following product features.

- The door is opened by gently tapping the front. A magnet holds the door precisely and reliably closed.
- No handle is necessary to open and close the door – handle-free fronts provide designers and architects with plenty of scope for creative solutions.
- Compatible with all hinges **without** automatic closing facility.
- Large catch range of the magnet - reliable door closure.
- Integrated, self-locking and tool-free depth adjustment – front gap can be adjusted from 0 to 3mm.
- Simple shape – the touch-latch element can be drilled into the front edge of the cabinet.



Touch Latch Senso for doors consists of two elements:

The magnetic catch which is fitted into the door and the pin-shaped Touch Latch Senso element. The pin-shaped Touch Latch Senso element can be fitted with the aid of our adapter plates or drilled into the front edge of the cabinet. This makes the element virtually invisible. It is inserted into the side of the cabinet – the simple shape harmonises with the uncluttered overall impression of handle-free furniture schemes.

Grass Touch Latch Senso

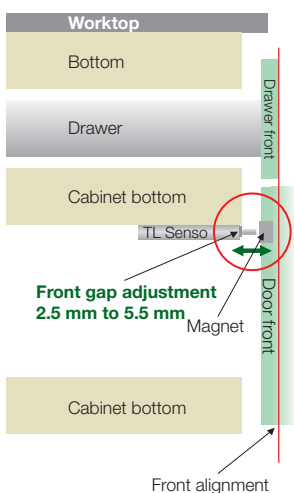
Order information for doors.

Touch Latch Senso for wooden and aluminium doors



Touch Latch Senso incl. magnet	
Ord. No.	
PU 25 pcs.	68873-06
Plastic in RAL 7036, platinum grey	

Front gap compensation with integrated "tool-free depth adjustment"



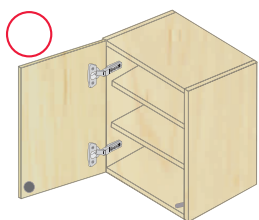
The front gap can be adjusted with the Touch Latch Senso drawer.

Touch Latch Senso for glass or mirror doors



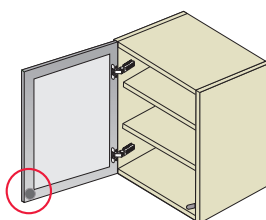
Touch Latch Senso incl. magnet	
Ord. No.	
PU 25 pcs.	68286-06
Plastic in RAL 7036, platinum grey	

Installation: Wooden doors



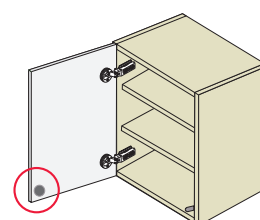
Drill hole dia. for magnet dia. 15 mm
Hole edge coverage approx. 1 mm
Drilling depth min. 8 mm

Installation: Aluminium doors



Drill hole dia. for magnet dia. 15 mm
Hole edge coverage approx. 1 mm
Drilling depth min. 8 mm

Installation: Glass or mirror doors



Magnet Ø 20 mm;
The magnet is glued on using double-side adhesive tape.

Order information for doors.

Line hole adapter plate

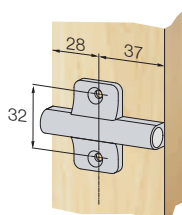
Installation:
Euro screws
(dia. 6 mm x 13 mm)



Line hole adapter plate	
	Ord. No.
PU 25 pcs.	63310-40
Plastic in RAL 7035 light grey	

Benefit:

Suitable for 28 mm and 37 mm hole patterns.



Standard adapter plate

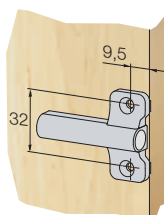
Installation:
Countersunk chipboard screws
(dia. 3.5 mm x 13 mm)



Standard adapter plate	
	Ord. No.
PU 25 pcs.	63311-40
Plastic in RAL 7035 light grey	

Benefit:

Rapid retrofitting.



Straight adapter plate

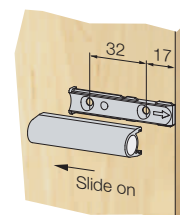
Installation:
Countersunk chipboard screws
(dia. 3.5 mm x 13 mm)



Straight adapter plate	
	Ord. No.
PU 25 pcs.	63309-40
Plastic in RAL 7035 light grey	

Benefit:

Design solution, also useful for insets.

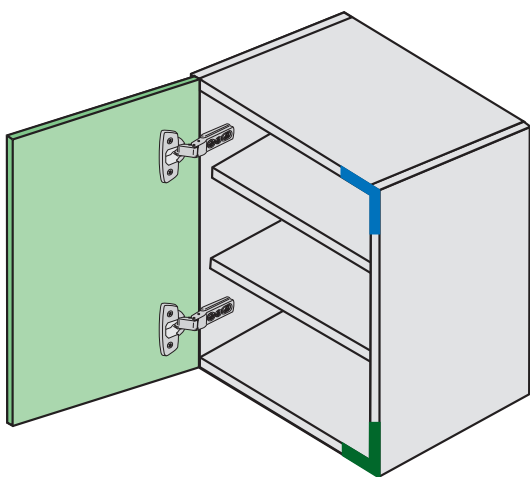


Instead of drilling a hole in the front edge of the cabinet, you can fit the Touch Latch Senso element inside the cabinet with the aid of our adapter plates which are available in different versions.

Grass Touch Latch Senso

Installation notes for doors.

Touch Latch Senso for doors - recommended positions



For wall cabinet:

Position in bottom corner area opposite the hinges

For base cabinet:

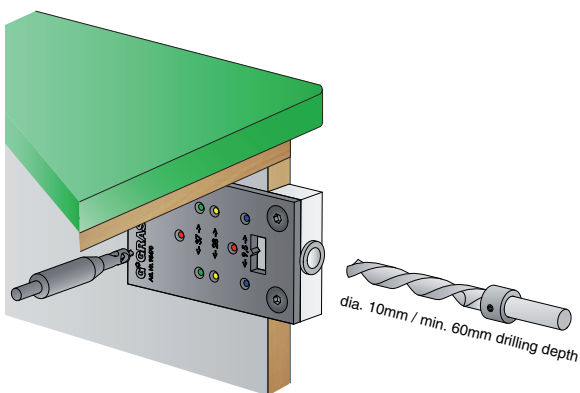
Position in top corner area opposite the hinges

General notes on installation position:

The Touch Latch Senso element is installed opposite the hinges, either in a drill hole in the front edge of the cabinet or using our adapter plates which are available in different designs.

Touch Latch Senso for doors is designed for hinges **without** closing springs. The door is opened by gently tapping the front panel. A magnet holds the door precisely and reliably closed.

Drilling jig for adapter plates and for Touch Latch Senso element



Drilling jig for adapter plates and for Touch Latch Senso element

	Ord. No.
Drilling jig with adjusting ring for drill bit*	95470
Pilot drill 3.5 mm	35692

The Grass drilling jig for Touch Latch Senso can be used for drilling the hole in the front edge of the cabinet as well as the holes for our adapter plates.

***N.B.:** No drill bits are included!

Grass Touch Latch Senso



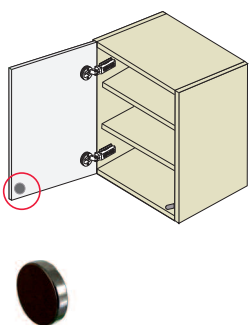
Installation notes for doors.

Installation for glass or mirror doors

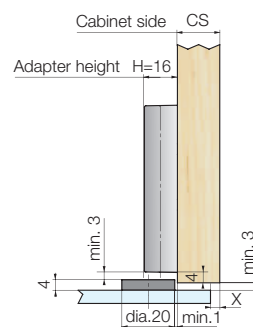
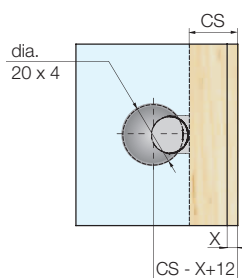
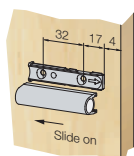
Half-overlay

Possible installation methods

Detailed information



Adapter plate installation

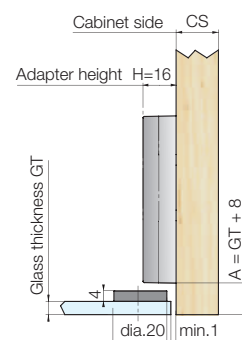
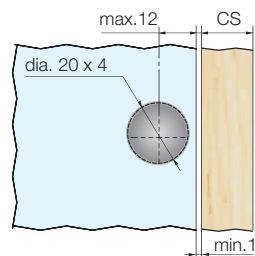
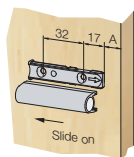
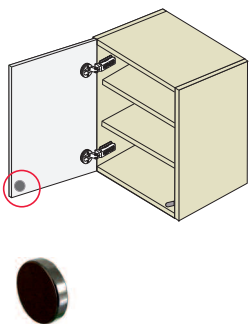


Note:

Carefully remove grease from the contact surface before gluing the magnets!

Inset

Adapter plate installation



Note:

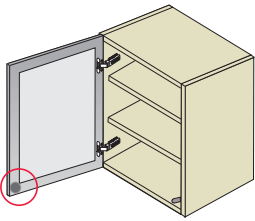
Carefully remove grease from the contact surface before gluing the magnets!

Grass Touch Latch Senso

Installation notes for doors.

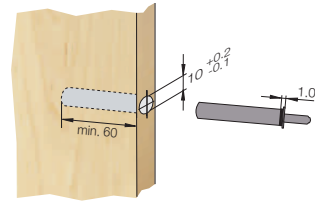
Installation for aluminium doors

Half-overlay

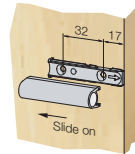
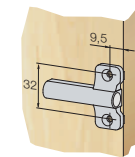
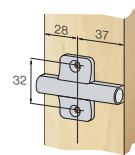


Possible installation methods

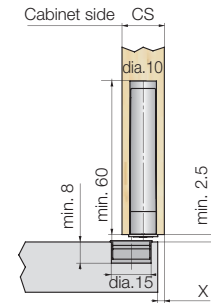
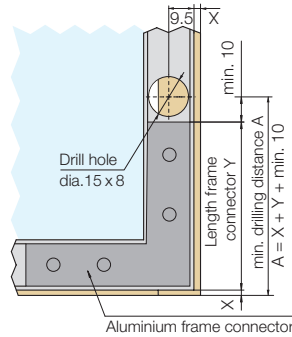
Installation in front edge of cabinet



Adapter plate installation



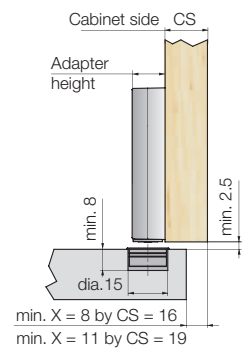
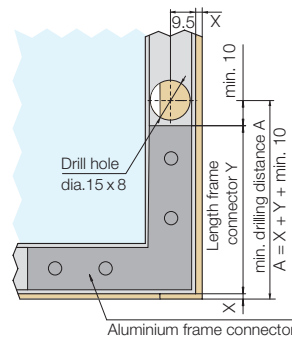
Detailed information (note: aluminium frame width min. 19mm)



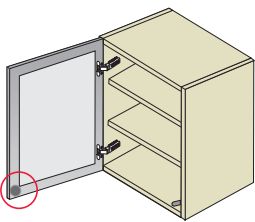
Cabinet side CS 16 mm Cabinet side CS 19 mm

Reveal X max. 2.0

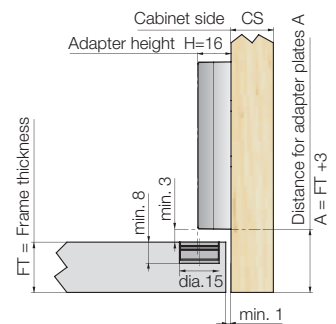
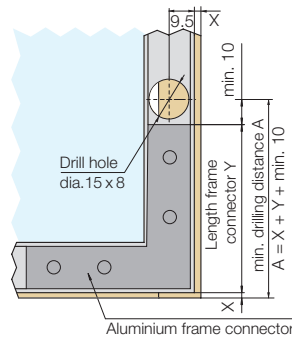
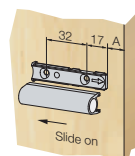
max. 3.5



Inset



Adapter plate installation



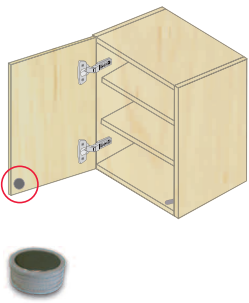
Grass Touch Latch Senso



Installation notes for doors.

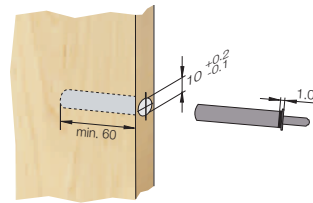
Installation for wooden doors

Half-overlay

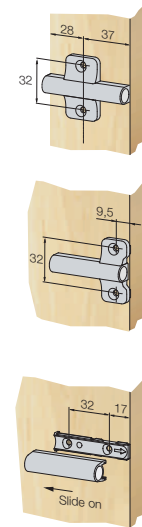


Possible installation methods

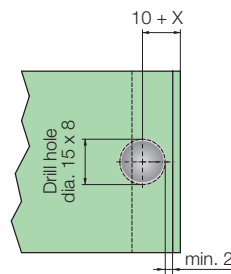
Installation in front edge of cabinet



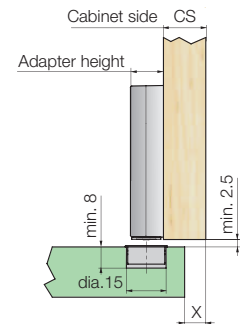
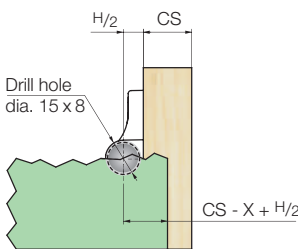
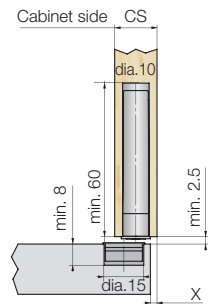
Adapter plate installation



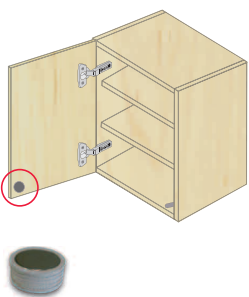
Detailed information



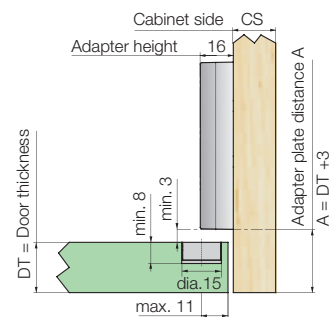
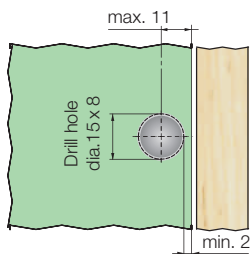
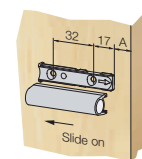
	Cabinet side CS 16 mm	Cabinet side CS 19 mm
Reveal X	max. 2.0	max. 3.5



Inset



Adapter plate installation





The star in your cabinet

Grass GmbH
Furniture Fittings
Grass Platz 1
6973 Höchst
Austria
Tel. +43 / 55 78 / 701-0
Fax +43 / 55 78 / 701-59

www.grass.at, info@grass.at