

TECTUS® Glass

Flush glass doors in the limelight

NEW
KEEP CLOSED

The latching system
for glass and
timber doors

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TECTUS GLASS – MAXIMUM TRANSPARENCY AND FUNCTIONALITY

With the TECTUS Glass hardware system, SIMONSWERK has developed an attractive and functional all-round solution for the flush installation of glass doors. Glass door leaf, frame, hinge and latching system all lie in the same plane – the best prerequisite for minimalist design combined with maximum transparency. It means that generous glazing, used for example in offices or private homes to provide acoustic protection while offering a full view in and through, can maintain their aesthetic quality.



TECTUS GLASS – FLUSH HARDWARE SYSTEM FOR GLASS DOORS

THE TECTUS GLASS HARDWARE SYSTEM

The flush surface of the glass door leaf, frame, hinge and latching system create the perfect aesthetic design. The entire door displays a clear and consistent design. The TECTUS Glass full door hardware system – consisting of the TECTUS hinge system, the contactless and silent magnetic closure and coordinated, attractively shaped handle variants – enables the realisation of contemporary interior design concepts.

› THE HINGE SYSTEM

The TEG 310 2D hinge system gives glass doors an unprecedented transparency and lightness. And its delicate appearance does not rule out a high load capacity. Its unique material components and clamping technique mean that the TEG 310 2D hinge system can support up to 80 kg per pair and guarantee a perfect door fit that's made to last.

› THE MAGNETIC CLOSURE

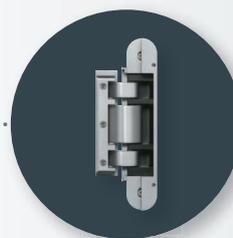
The KCM 50 closing magnet paired with the KCM 50/G magnetic plate on the door itself make sure the door closes silently and without contact in a process that can be individually tailored to produce the desired closing behaviour.

› THE HANDLES

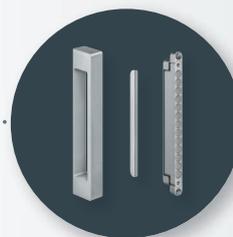
The handle variants are matched in shape and colour to the TEG 310 2D hinge system and are ergonomically designed for comfortable handling. There is also the option of an integrated locking mechanism, whose operation is completely intuitive.

PRODUCT FEATURES

- › glass door leaf, frame, hinge and latching system all lie in the same plane
 - › interior fittings for high-quality residential and commercial projects
 - › tightly closing and sound insulating
 - › load capacity of up to 80 kg for dimensions of approx. 10 x 1300 x 2500 mm
 - › for timber, steel and aluminium frames
 - › opening angle up to 180°
-



The TEG 310 2D hinge system enables the flush installation of door and frame.



The KEEP CLOSED magnetic latching system ensures maximum transparency with its reduced components.

The TECTUS Glass hardware system



Hinge system
TEG 310 2D



Handle
KCH 1700



Magnetic plate
KCM 50/G



Closing magnet
KCM 50

TECTUS GLASS – ELEGANT DETAILS AND TECHNICAL PRECISION

THE TEG 310 2D HINGE SYSTEM

Minimalist hinge dimensions ensure maximum transparency for glass doors – at the same time as providing a load capacity of up to 80 kg per pair. This corresponds to a glass door with dimensions of approx. 10 x 1300 x 2500 mm.

Essentially, 8- and 10-mm-thick single-pane safety glass doors can be used. Since no glass machining is required on the door when using TECTUS Glass, the glass doors can be used both right/left and top/bottom.

THE HINGE BODY

The cast stainless steel receiver supports the door leaf and ensures the glass pane sits perfectly and securely in place. The solid hinge kinematics ensure reliable and durable functionality. This has been tested in performance tests by IFT Rosenheim, Germany. The correct door position is easily and flexibly set thanks to the floating clamping mechanism. It is then fastened securely in place by tightening the clamping screws. In addition to this, the lateral adjustment in the hinge is easy to regulate to ensure uniform clearance to the frame.

PRODUCT FEATURES

- › load capacity of up to 80 kg
- › stable hinge kinematics
- › hinge body made of die cast stainless steel
- › tested suitability for heavy-duty use
- › quick and easy installation with no glass machining
- › performance tested by IFT, Rosenheim

Available options

- › Load capacity up to 60 kg – TEG 310 2D 60
- › Load capacity up to 80 kg – TEG 310 2D 80

Finish options – hinge system



For details see product pages



TEG 310 2D hinge system – closed



NEW

load capacity
of up to 80 kg

TEG 310 2D hinge system – open

KEEP CLOSED – ELEGANT CLOSURE COMPONENTS COMPLETE THE HARDWARE SYSTEM

THE MAGNETIC LATCHING SYSTEM

KEEP CLOSED, the innovative, zero-current magnetic closure from SIMONSWERK, offers an intelligent alternative to a conventional latching mechanism. Comprising a closing magnet, magnetic plate, and coordinating handle, this impressive hardware system with its minimalist design also offers exceptional ease of use.

› THE CLOSING MAGNET

The KCM 50 closing magnet in the frame works silently and without contact or current. The durable, reliable closure can be customised to satisfy individual requirements

› THE MAGNETIC PLATE

The KCM 50/G magnetic plate is permanently bonded to the main closing edge of the glass door, where it is barely visible.

› THE HANDLE

The KCH 1700 and KCH 1200 handles add the perfect finishing touch to the appearance of the glass door. The handle is attached simply and securely by means of a positioning template and the adhesive strip already on the handle, so no glass machining is required.

PRODUCT FEATURES

- › silent, contactless, zero current
- › permanently wear-free function
- › quick and easy installation with no glass machining
- › choice of handles finishes matched to the hinge system

Magnetic closure



Handle

KCH 1700 KCH 1200

Magnetic plate Closing magnet

KCM 50/G KCM 50

Available finishes - handle



For details see product pages



Magnetic closure with handle options

THE CLOSING MAGNET

KCM 50

THE MAGNETIC PLATE

KCM 50/G

THE HANDLE

KCH 1700



KC LOCK – INNOVATIVE LOCKING SOLUTION FOR HOMOGENOUS DESIGN

KC LOCK – THE LOCKABLE HANDLE SOLUTION

The innovative KC Lock latching system combines maximum convenience with maintenance-free functionality and a minimalist design. The system is perfectly designed for use on interior and heavy-duty doors in offices and studios and offers an intuitive alternative to conventional door locks. The door can be locked from one side – without a bolt, latch, lever or other visible hardware components.

THE SYSTEM

KC Lock consists of the closing magnet KCM 25 Lock, the magnetic plate KCM 25/G and the matching handle KCH 1701 Lock. It works without the need for current. The locking status is visible from both sides of the door, and there is the option of an emergency release. It is also possible to retrofit the device. The level of effort required to open the door can be tailored to suit individual preferences. The number and position of the closing magnets used guarantee the door's perfect and permanent fit, as well as acoustic protection. If required, a second KCM 50 closing magnet can be used for extra-tall doors.

PRODUCT FEATURES

- › for interior and heavy-duty doors
- › no locking cylinder or keys required
- › locking status visible on both sides
- › zero current
- › emergency release function available
- › alternatively retrofittable
- › the KCH 1701 Lock handle matches the KCH 1700 in looks and size

Magnetic closure



Handle

KCH 1701 Lock

Magnetic plate Closing magnet

KCM 25/G Lock KCM 25 Lock

Available finishes – handle



For details see product pages



Magnetic closure with handle options (in open position)

CLOSING ROLLER

KCH Lock

STATUS DISPLAY

CLOSED

Magnetic closure with handle options (in closed position)

KEEP CLOSED – FOR TIMBER INTERIOR DOORS

SIMONSWERK developed its magnetic closure with the specifications for use with timber interior doors also in mind. Current-free, silent, low wear and reliable, its technical features alone are impressive in every respect. But the most striking aspect of the magnetic closure is the unprecedented ease of use when opening and closing.

SILENT OPENING AND CLOSING

It has never been so easy to open and close timber interior doors without making a sound. Without the usual “push-pull-slide” motion, doors can be opened silently and ergonomically, with minimal effort, too. The door is held in the closed position without the need for direct contact with the patented closing magnet. The holding power can be individually adjusted and holds the door securely in its end position.

GROUNDBREAKING INTERACTION

Combined with the KCM 50/H magnetic plate, the KCM 50 closing magnet is the perfect choice for timber block frames and casing frames and can be used with both rebated and flush doors. And multiple magnets can be used for extra-tall doors. The elegant KCH 1700 and KCH 1200 handles do not require the wood to be milled. The handle is attached simply, solidly and securely by means of a positioning template and the adhesive strip already on the handle.

Magnetic latching system for timber doors



Handle

KCH 1700 KCH 1200

Closing magnet

KCM 50

Magnetic plate

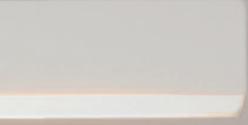
KCM 50/H KCM 50/H FZ

Available finishes – handle



For details see product pages





TECTUS®

TEG 310 2D 60

for flush glass doors

hinge up to 60 kg

Product features

- for flush glass doors
- for 8–10 mm ESG-glass
- without drilling the door leaf
- for timber, steel and aluminium frames
- continuous side adjustment (+ 3.0/- 2.0 mm)
- continuous height adjustment with additional fine tune adjustment (+/- 1.0 mm)
- maintenance-free slide bearings

Technical details

load capacity	i two hinges per door (1x2 m)	60.0 kg
overall length		160.0 mm
width (frame part)		28.0 mm
cutter diameter		24.0 mm
opening angle		180°
rebate width		11 - 15 mm

Finishes

Satin Stainless Steel (040), RAL 9016 Matte Traffic White (057), Matte Pure Grey/NCS S 8000-N (301), RAL 9005 Matte Black (107), Satin Chrome Look (F1) (124)

Combination

receiver	casing frame	TE 340 3D FZ/1
	steel frame	TEG 310 2D SZ
magnetic closure		KCM 50
		KCM 50/G
		KCM 25 Lock
		KCM 25/G Lock
handle		KCH 1200
		KCH 1700
		KCH 1701 Lock

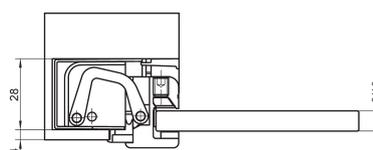
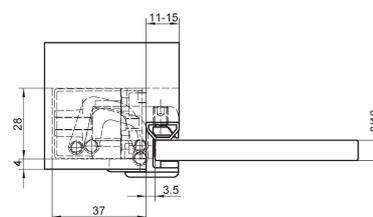
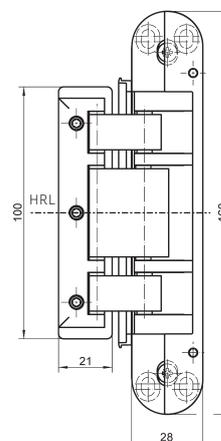
Installation tools

jig		universal milling frame
step 1	template	No. 5 251145 5
step 2	template	No. 5 251146 5
step 3	template	No. 5 251147 5

Note

i The load capacity mentioned above refers to the use of two hinges per door leaf (1x2 m).

With an opening position of 180° the door may have to be fixed additionally.





TEG 310 2D 80

for flush glass doors

hinge		up to 80 kg
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Product features

- for flush glass doors
- for 8–10 mm ESG-glass
- without drilling the door leaf
- for timber, steel and aluminium frames
- continuous side adjustment (+ 3.0/- 2.0 mm)
- continuous height adjustment with additional fine tune adjustment (+/- 1.0 mm)
- maintenance-free slide bearings

Technical details

load capacity	i two hinges per door (1x2 m)	80.0 kg
overall length		160.0 mm
width (frame part)		28.0 mm
cutter diameter		24.0 mm
opening angle		180°
rebate width		11 - 15 mm

Finishes

Satin Stainless Steel (040), RAL 9016 Matte Traffic White (057), Matte Pure Grey/NCS S 8000-N (301), RAL 9005 Matte Black (107), Satin Chrome Look (F1) (124)

Combination

receiver	casing frame	TE 340 3D FZ/1
	steel frame	TEG 310 2D SZ
magnetic closure		KCM 50
		KCM 50/G
		KCM 25 Lock
		KCM 25/G Lock
handle		KCH 1200
		KCH 1700
		KCH 1701 Lock

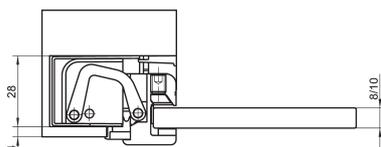
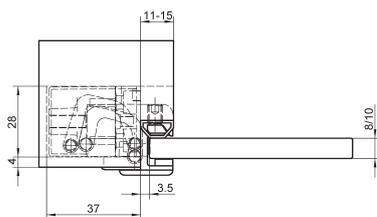
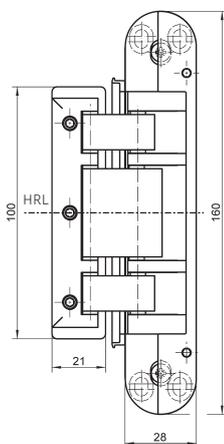
Installation tools

jig		universal milling frame
step 1	template	No. 5 251145 5
step 2	template	No. 5 251146 5
step 3	template	No. 5 251147 5

Note

i The load capacity mentioned above refers to the use of two hinges per door leaf (1x2 m).

With an opening position of 180° the door may have to be fixed additionally.



TECTUS®

Fixing plate TE 340 3D FZ/1

fixing plate for glass doors on casing frames

receiver		casing frame
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Finishes

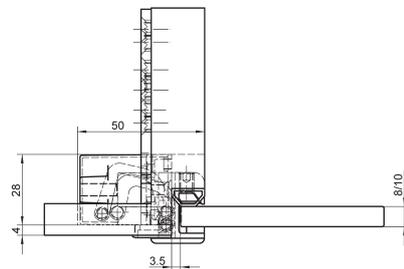
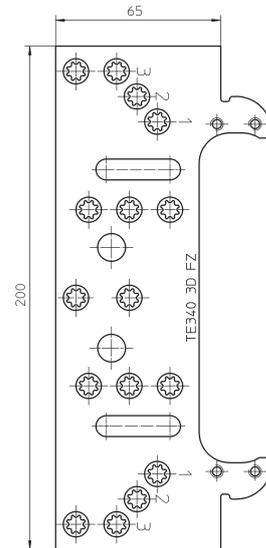
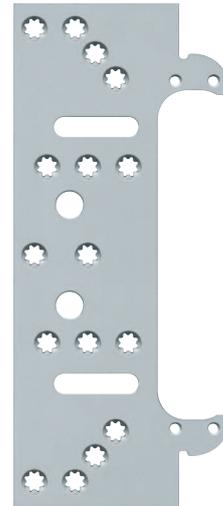
blue galvanized (010)

Combination

hinge	TEG 310 2D 60
	TEG 310 2D 80

Note

Delivery includes packers for casing thicknesses of 22–28 mm.



TECTUS®



Receiver TEG 310 2D SZ

for glass doors on steel frames

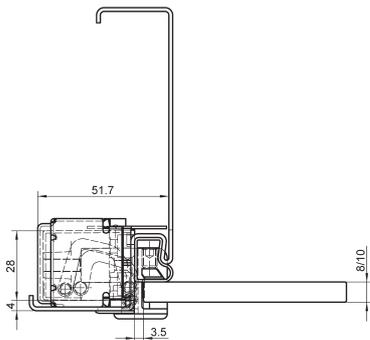
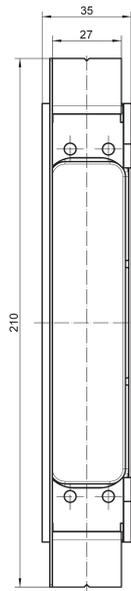
receiver		steel frame
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Finishes

blue galvanized (010)

Combination

hinge	TEG 310 2D 60
	TEG 310 2D 80



KEEP CLOSED

KCH 1200

handle for glass and timber doors

handle

Product features

- for glass and timber doors
- without drilling the door leaf
- self-adhesive fixing

Technical details

overall length	200.0 mm
width	30.0 mm
depth	35.0 mm

Finishes

Stainless Steel Effect (130)

Combination

magnetic closure	KCM 50
	KCM 50/G
	KCM 50/H
	KCM 50/H FZ

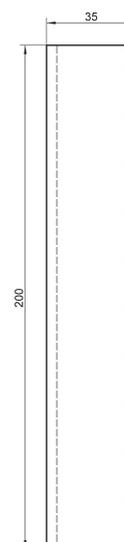
Note

Particularly suitable for use on glass doors in combination with TEG 310 2D.

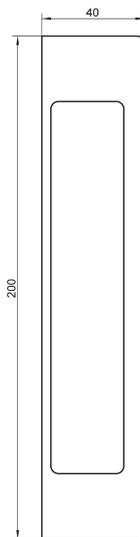
Set consisting of 2 handles.

An adhesive tape for permanent fixing is applied at the factory.

Delivery includes a positioning template.



KEEP CLOSED



KCH 1700

handle for glass and timber doors

handle

Product features

- for glass and timber doors
- without drilling the door leaf
- self-adhesive fixing

Technical details

overall length	200.0 mm
width	26.0 mm
height	40.0 mm

Finishes

Stainless Steel Effect (130), RAL 9016 Traffic White (057), Matte Pure Grey/NCS S 8000-N (301), RAL 9005 Matte Black (107), Satin Chrome Look (F1) (124)

Combination

magnetic closure	KCM 50
	KCM 50/G
	KCM 50/H
	KCM 50/H FZ

Note

Particularly suitable for use on glass doors in combination with TEG 310 2D.
Set consisting of 2 handles.
An adhesive tape for permanent fixing is applied at the factory.
Delivery includes a positioning template.

KEEP CLOSED

KCH 1701 Lock

lockable handle for glass doors

handle

Product features

- for glass doors
- lockable on one side
- without drilling the door leaf
- self-adhesive fixing

Technical details

overall length	200,0 mm
width	26,0 mm
height	40,0 mm

Finishes

Stainless Steel Effect (130), RAL 9016 Traffic White (057), Matte Pure Grey/NCS S 8000-N (301), RAL 9005 Matte Black (107), Satin Chrome Look (F1) (124)

Combination

hinge	TEG 310 2D 60
	TEG 310 2D 80
magnetic closure	KCM 25 Lock
	KCM 25/G Lock

Note

Set consisting of handle 1 with locking device and handle 2 with emergency release function.

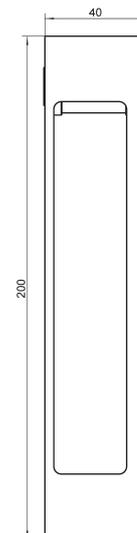
The model type is determined by the installation situation of opening direction and locking position (closing or opening side).

An adhesive tape for permanent fixing is applied at the factory.

Delivery includes a positioning template.

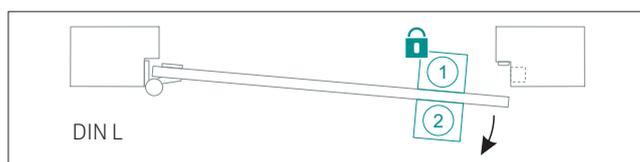
Please indicate exact model type when ordering.

In order to ensure the locking function, magnetic material must not be used within a radius of 20 cm of the closing magnet KCM 25 Lock.

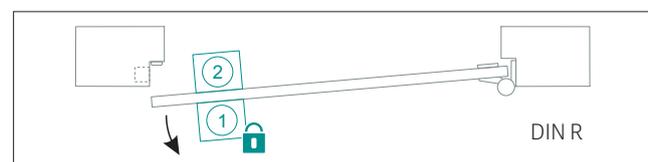


Installation situations

Type 1

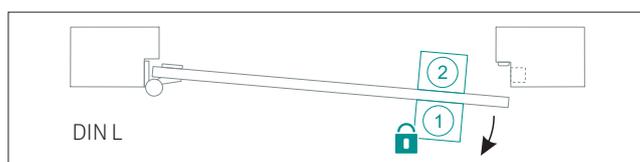


door DIN left handed, locking mechanism on the closing side

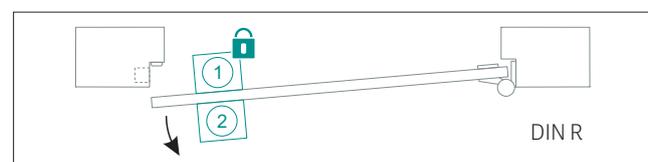


door DIN right handed, locking mechanism on the opening side

Type 2

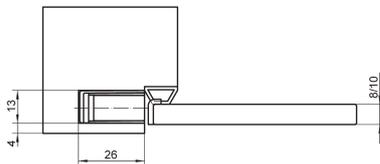
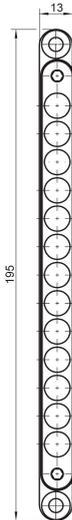


door DIN left handed, locking mechanism on the opening side



door DIN right handed, locking mechanism on the closing side

KEEP CLOSED



KCM 50

closing magnet for a contactless and silent closing process of glass and timber doors

magnetic closure		closing magnet
-------------------------	--	-----------------------

Product features

- continuous adjustable retention force up to 50 N
- for use in timber, steel and aluminium frames

Technical details

overall length	195.0 mm
width	13.0 mm
cutter diameter	12.0 mm

Finishes

Stainless Steel Effect (130)

Combination

receiver	casing frame	KCM 50 FZ
magnetic closure		KCM 50/G
		KCM 50/H
		KCM 50/H FZ
handle		KCH 1200
		KCH 1700

Installation tools

jig		universal milling frame
step 1	template	No. 5 251148 5
step 2	template	No. 5 251149 5

Detailed information in our PRODUCTSELECTOR at www.simonswerk.com

KEEP CLOSED

KCM 50/50

two coordinated closing magnets for an improved contactless and silent closing process of timber doors

magnetic closure		magnetic closure
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Product features

- increased closing power means the two magnets can be further apart
- continuous adjustable retention force up to 120 N
- for use in timber, steel and aluminium frames

Technical details

overall length	195.0 mm
width	13.0 mm
cutter diameter	12.0 mm

Finishes

Stainless Steel Effect (130)

Combination

receiver	casing frame	KCM 50 FZ
handle		KCH 1200 KCH 1700

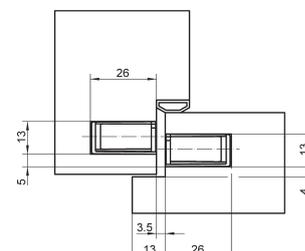
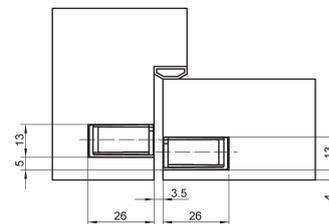
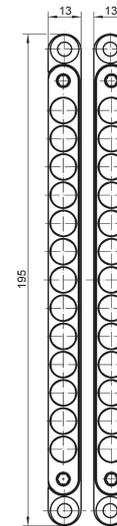
Installation tools

jig		universal milling frame
step 1	template	No. 5 251148 5
step 2	template	No. 5 251149 5

Detailed information in our PRODUCTSELECTOR at www.simonswerk.com

Note

The offset arrangement of the magnets provides the necessary seal pressure for the door.



KEEP CLOSED



KCM 25 Lock

closing magnet for a contactless and silent closing process of glass doors

magnetic closure		closing magnet
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Product features

- for latching system KC Lock
- continuous adjustable retention force up to 25 N
- for use in timber and aluminium frames

Technical details

overall length	195.0 mm
width	13.0 mm
cutter diameter	12.0 mm

Finishes

Stainless Steel Effect (130)

Combination

hinge	TEG 310 2D 60 TEG 310 2D 80
magnetic closure	KCM 25/G Lock
handle	KCH 1701 Lock

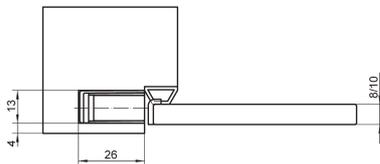
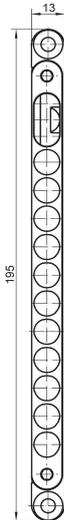
Installation tools

jig	universal milling frame
step 1	template No. 5 251148 5
step 2	template No. 5 251149 5

Detailed information in our PRODUCTSELECTOR at www.simonswerk.com

Note

In order to ensure the locking function, magnetic material must not be used within a radius of 20 cm of the closing magnet KCM 25 Lock. Please consider DIN reference.



KEEP CLOSED

KCM 50/G

magnetic plate for 8 mm and 10 mm glass doors

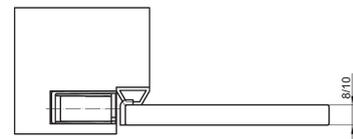
magnetic closure		magnetic plate
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Finishes

Satin Stainless Steel (040)

Combination

hinge	TEG 310 2D 60
	TEG 310 2D 80
magnetic closure	KCM 50
handle	KCH 1200
	KCH 1700
accessories	adhesive kit KCM



KEEP CLOSED



KCM 25/G Lock

magnetic plate for 8 mm and 10 mm glass doors with one-sided magnetic latching system KC Lock

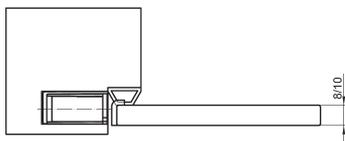
magnetic closure		magnetic plate
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Finishes

Satin Stainless Steel (040)

Combination

hinge	TEG 310 2D 60
	TEG 310 2D 80
magnetic closure	KCM 25 Lock
handle	KCH 1701 Lock
accessories	adhesive kit KCM



KEEP CLOSED

KCM 50/H

magnetic plate for timber doors on block frames

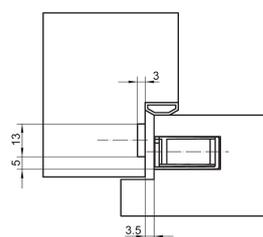
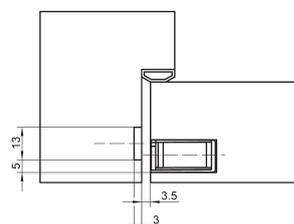
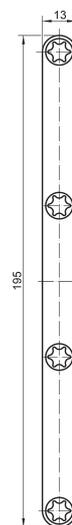
magnetic closure	block frame	magnetic plate
------------------	-------------	----------------

Finishes

Satin Stainless Steel (040)

Combination

magnetic closure	KCM 50
------------------	--------



KEEP CLOSED



KCM 50/H FZ

magnetic plate for timber doors on casing frames

magnetic closure	casing frame	magnetic plate
------------------	--------------	----------------

Product features

- infinite adjustment for different casing frame constructions

Finishes

Satin Stainless Steel (040)

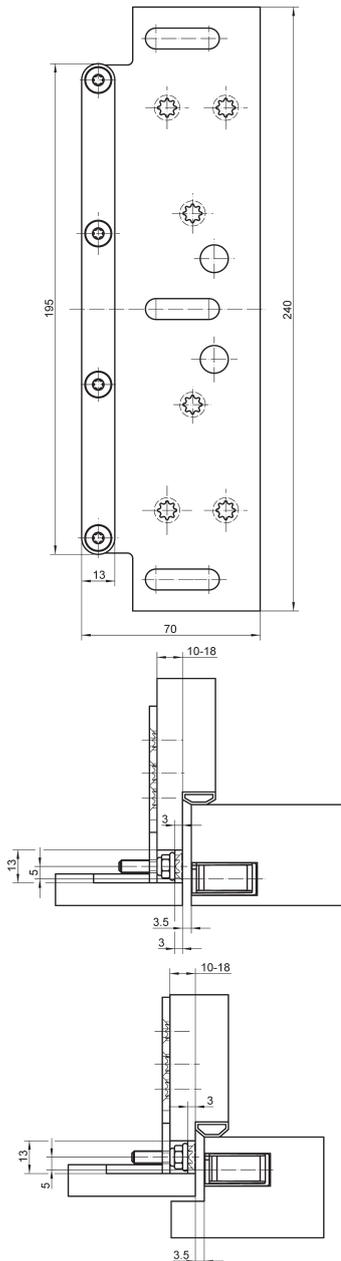
Combination

magnetic closure

KCM 50

Note

In order to prevent warpage of the frame by the magnetic force, a sufficient mechanical fixing must be provided.



KEEP CLOSED

KCM 50 FZ

fixing plate for closing magnet on casing frames

receiver		casing frame
----------	--	--------------

Finishes

Galvanized (010)

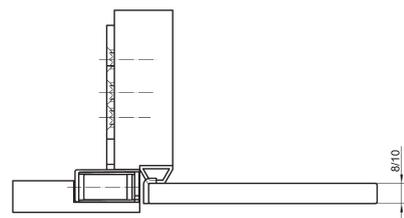
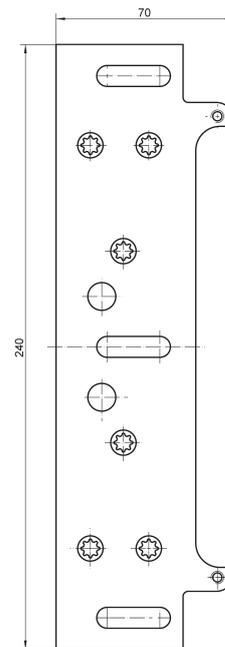
Combination

magnetic closure	KCM 50
------------------	--------

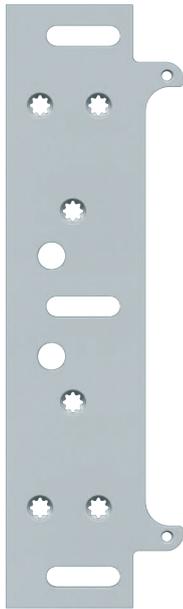
Note

In order to prevent warpage of the frame by the magnetic force, a sufficient mechanical fixing must be provided.

Delivery includes packers for casing thicknesses of 22–28 mm.



KEEP CLOSED



KCM 25 FZ Lock

fixing plate for KC Lock closing magnet on casing frames

receiver		casing frame
----------	--	--------------

Finishes

Stainless Steel untreated (041)

Combination

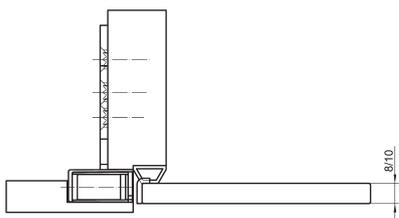
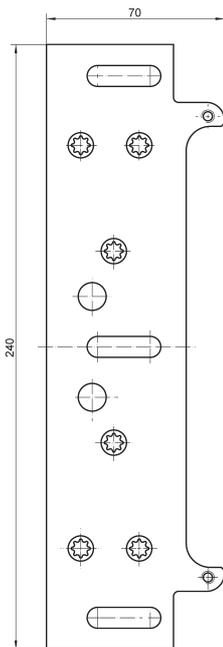
magnetic closure KCM 25 Lock

Note

In order to prevent warpage of the frame by the magnetic force, a sufficient mechanical fixing must be provided.

Delivery includes packers for casing thicknesses of 22–28 mm.

Only non-magnetic screws to be used for fastening to the casing frame.



ACCESSORIES

KCM 01

locking system for the passive leaf of glass doors with floor socket and stop at the active leaf

accessories

Product features

- for tempered glass thicknesses of 8 - 10 mm
- clamp fitting, without drilling the glass

Technical details

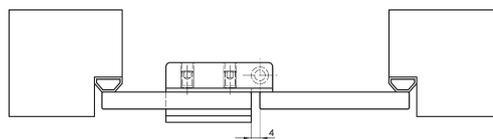
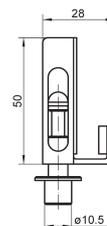
overall length	50.0 mm
width	50.0 mm

Finishes

Stainless Steel Look (126), RAL 9005 Matte Black (107)

Note

Please consider DIN reference.



Adhesive kit KCM

for fixing KCM 50/G and KCM 25/G Lock

accessories

Combination

magnetic closure	KCM 50/G
	KCM 25/G Lock

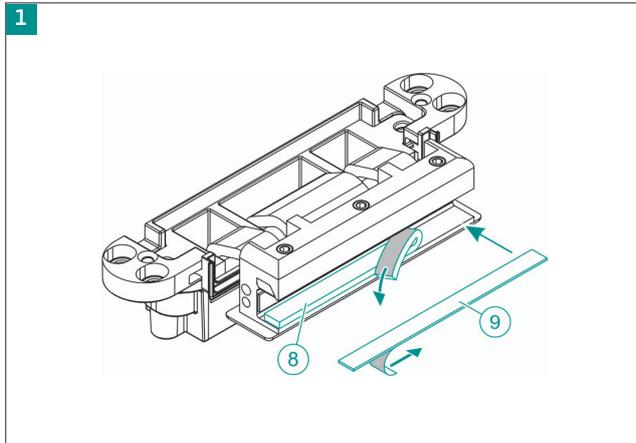
Note

The amount of adhesive is sufficient for at least 10 magnetic plates.

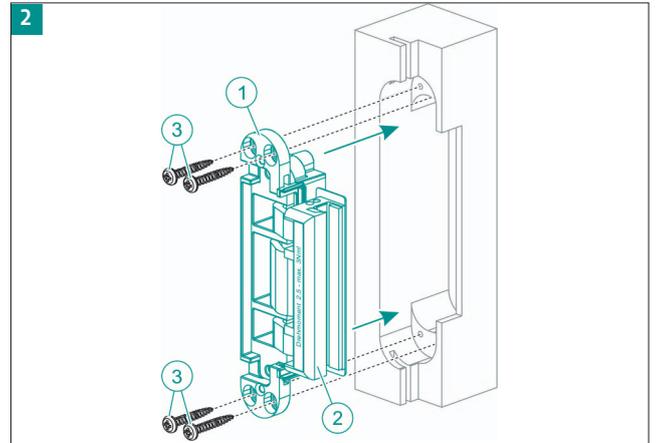


ASSEMBLY

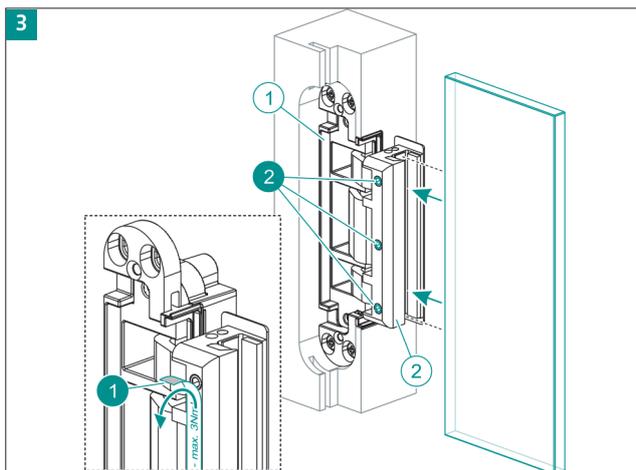
TEG 310 2D



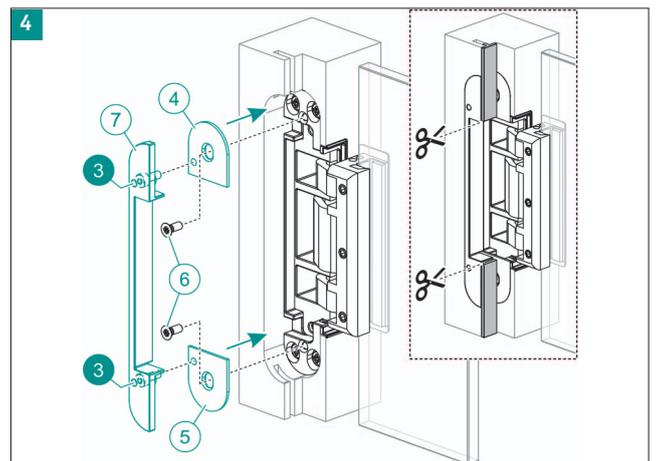
The hinge is pre-assembled for 8 mm thick door leaves. For 10 mm thick door leaves, remove the intermediate layer ⑧ without leaving any residue and glue in the intermediate layer ⑨.



Place the hinge frame part ① in the door frame, pre-drill the door frame and fasten the hinge frame part with the four screws ③ (4.5x30 mm).



Remove the sticker ①. The clamping area must be clean and free of grease. Feed the door leaf into the hinge frame part ② as far as it will go, align in height and tighten with the three screws ② (2.5 to 3.0 Nm). Make sure there is sufficient floor clearance!



Fasten the cover plates ④ and ⑤ to the hinge with the screws ⑥. Fasten the rebate cover ⑦ with the two screws ③ flush to the frame on the cover plates. Cut the door seal to size.

ADJUSTMENT

TEG 310 2D

Two-dimensionally, continuously adjustable

side	+ 3.0 / - 2.0 mm
height	+/- 1.0 mm

Side adjustment

- adjust the adjusting spindles evenly with an Allen wrench

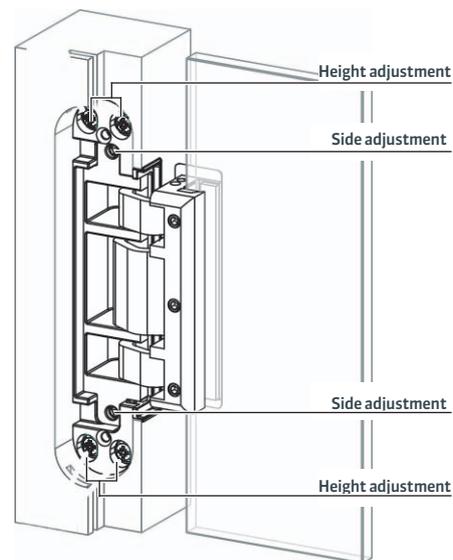
Height adjustment

- position wedges under the door
- slightly loosen the clamping screws
- move the door leaf into the correct position
- firmly retighten the clamping screws

Note

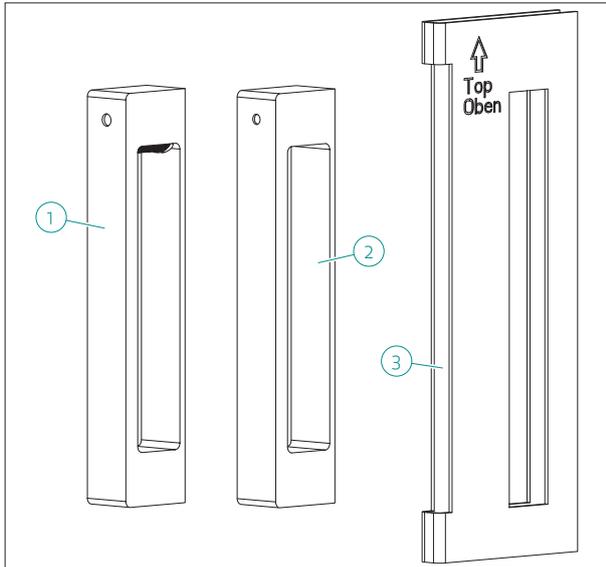
A further height adjustment is possible by repositioning the door leaf in the clamp.

All adjustments to be conducted by means of a 4 mm Allen wrench.



ASSEMBLY

KCH 1701 Lock



Scope of supply

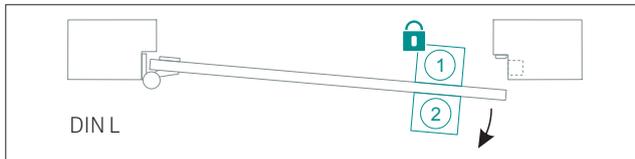
- ① 1 x handle with locking device
- ② 1 x handle with emergency release function
- ③ 1 x positioning template
- 1 x cleaning cloth

Planning note

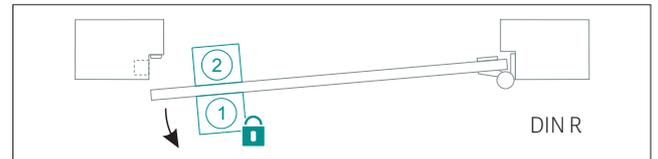
In order to ensure the locking function, magnetic material must not be used within a radius of 20 cm of the closing magnet KCM 25 Lock.

Installation situations

Type 1

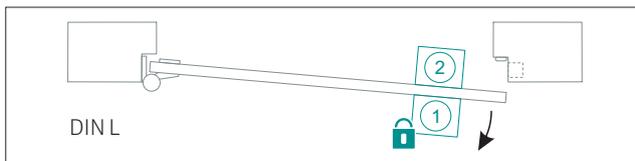


door DIN left handed, locking mechanism on the closing side

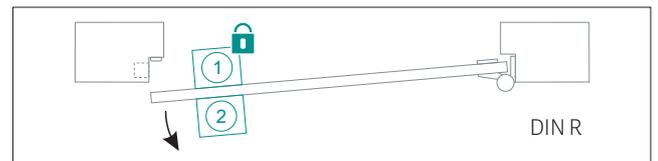


door DIN right handed, locking mechanism on the opening side

Type 2



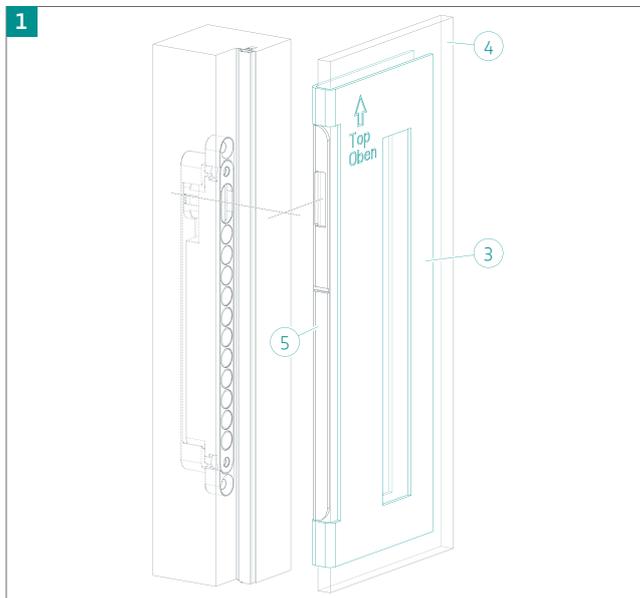
door DIN left handed, locking mechanism on the opening side



door DIN right handed, locking mechanism on the closing side

ASSEMBLY

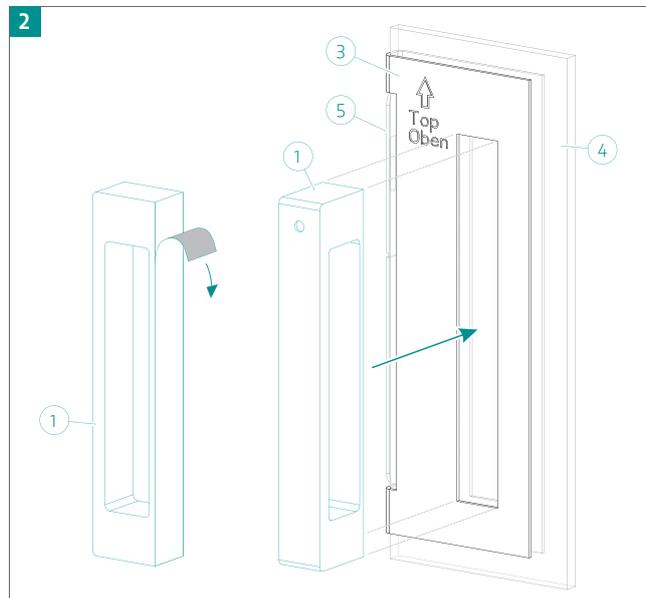
KCH 1701 Lock



Clean the adhesive surface on the glass door ④ with the enclosed cleaning cloth.

Align and fix the template ③ on the mounted magnet plate according to the illustration.

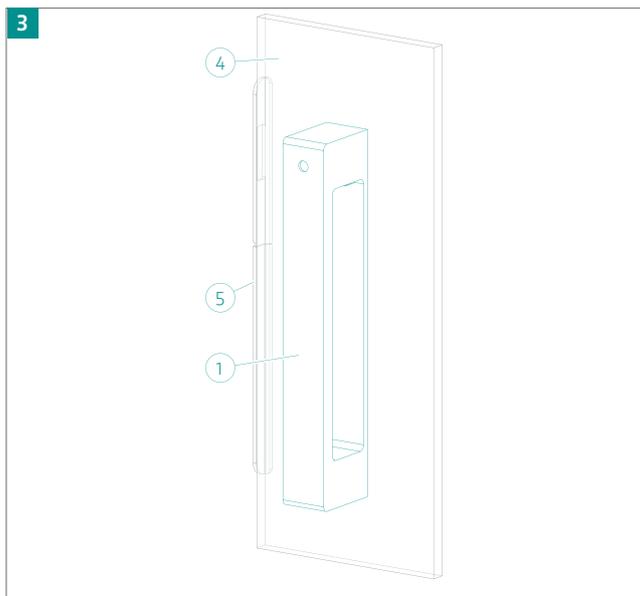
Take the installation situation into account (see page 33).



For assembly, put the KC Lock handle with locking function ① in the locked position.

Remove the protective film from the handle's adhesive surface ① and insert the handle into the cut-out on the template ③ with the red dot facing upwards.

Mount the KC Lock handle with emergency release function ② with the red dot facing upwards.



After completing the assembly, check that the locking and emergency release functions are working correctly.

Press handles evenly with a clamping device for about 20 minutes (20 N/cm²).

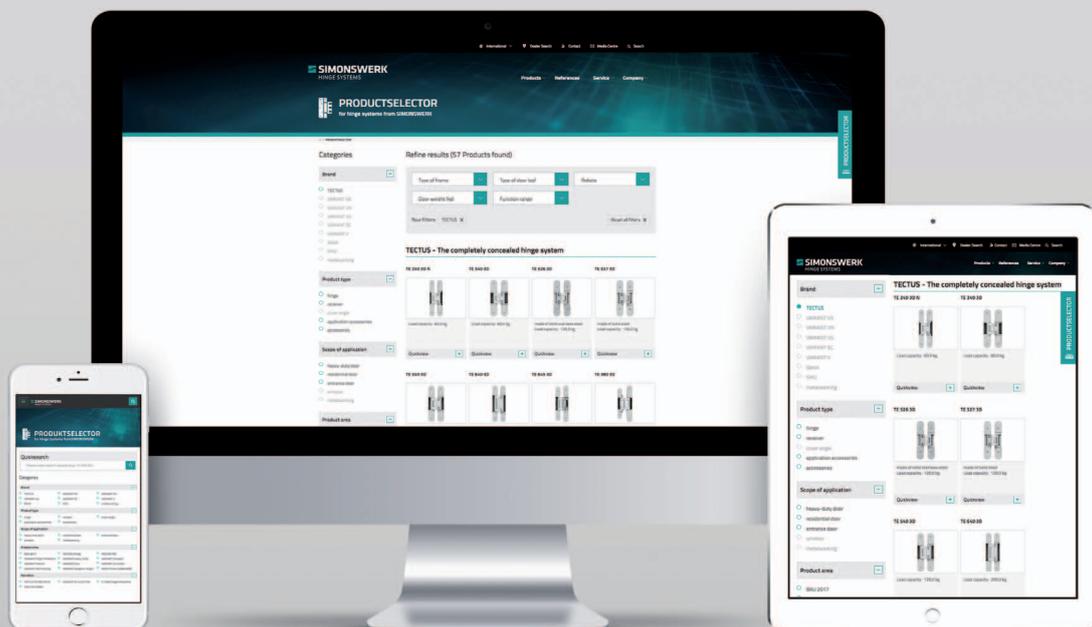
SERVICE – COMPREHENSIVE EXPERTISE FOR YOUR DAILY WORK

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CONTAINS

TEG 310 2D	KCM 50/50
KCH 1200	KCM 25 LOCK
KCH 1700	KCM 25/G LOCK
KCH 1701 LOCK	KCM 50/H
KCM 50	KCM 50/H FZ

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