

## Projecting top hung window fittings

### Application

Projecting top hung window fittings are primarily designed for use on metal windows and need to be planned for each project individually. However, they also offer special solutions for PVC, timber, or timber-aluminium composite windows.

Due to the stay arms being designed asymmetrically, the sash very early runs in final closed position so the window is shut safely and weathertight.

The system resists extremely high wind loads on high-rise building façades and provides outstanding tightness against air and water ingress.

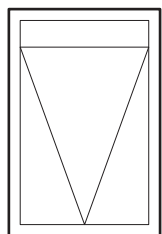
The fittings are operated with stylish geared handles coming in various colours.

### Locking mechanisms

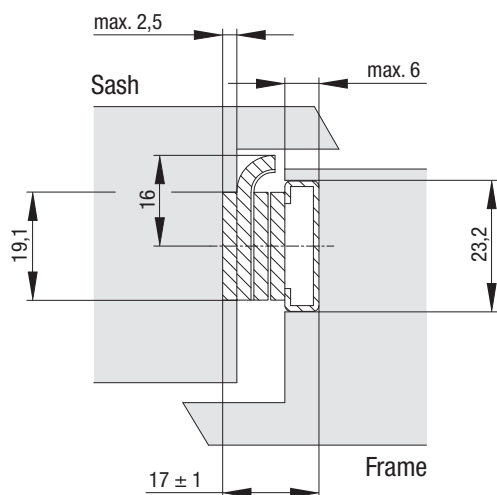
The fittings are concealed in the rebate and operated with a single handle. All locking parts are designed for Euro groove 15/20 mm. The locking pins on carriers, locking pin elements and corner transmissions are adjustable. Additional option: use of single locking pins for push rods – not adjustable.

Corner transmissions are provided with rust-proof 4-leaf stainless steel springs.

#### Locking scheme:



### Space required for projecting top hung stay



### Geared handles SPACIO

The fixings of the geared aluminium handles are concealed. The rosettes are provided with a rugged detent device. Lockable and removable handles as well as handles with extended carrier fork complete the programme.

#### Standard colours:

<b>uncoated</b>	without surface coating
<b>F 1/EV 1</b>	silver colour
<b>UC 5</b>	dark bronze
<b>black</b>	RAL 9005
<b>white</b>	RAL 9016 or RAL 9010

### Materials, surface sealing ferGUard\*silver

The fitting parts are made of high quality steel, zinc die-casting or aluminium alloys.

Depending on the material, they are protected against corrosion by surface sealing with ferGUard\*silver or by anodisation (aluminium parts).

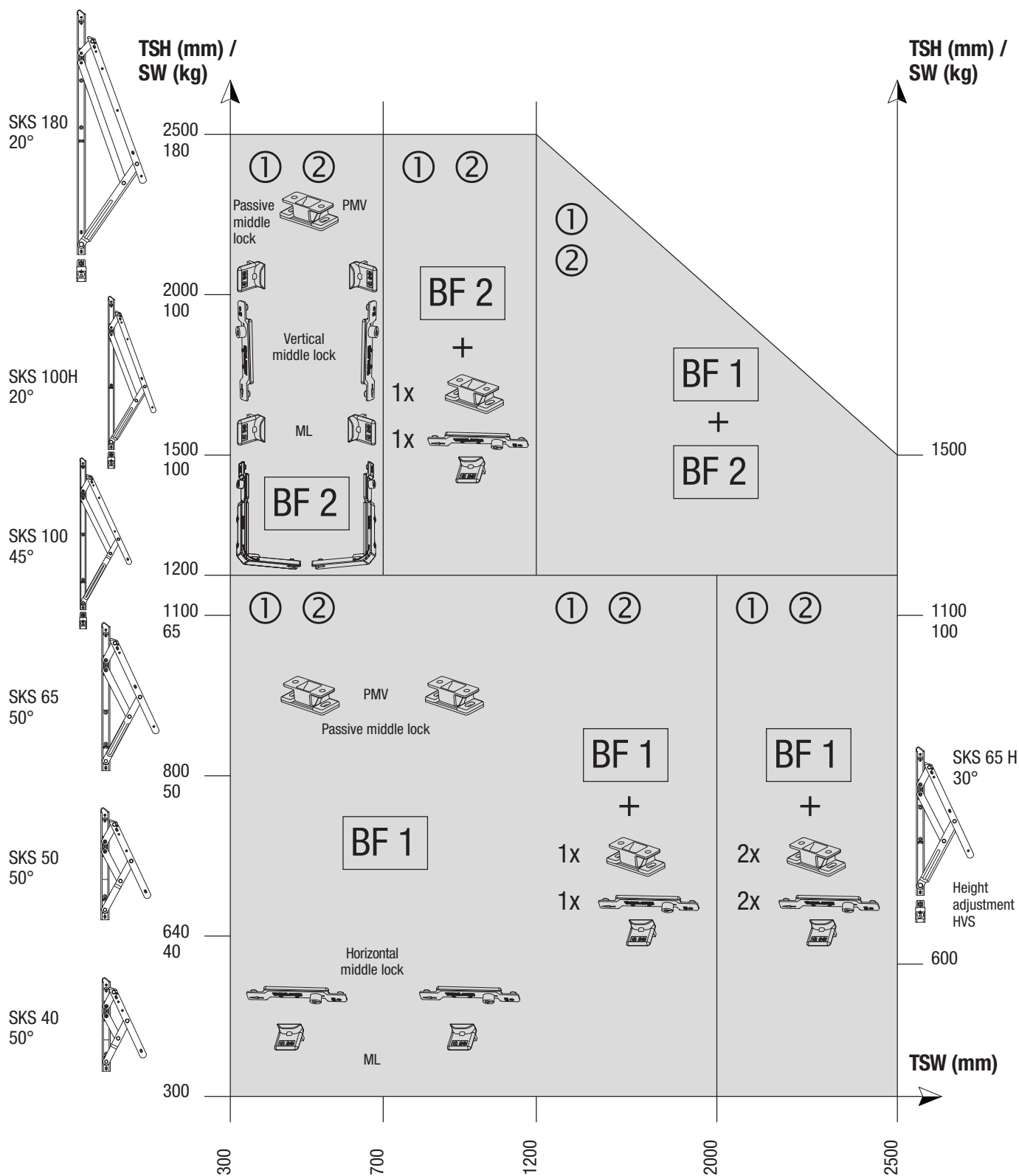
### Abbreviations

CB	Cylinder bore
lh	Left hand
PU	Packing unit
rh	Right hand
ST	Sash thickness
TSH	Total sash height
TSW	Total sash width
SW	Sash weight

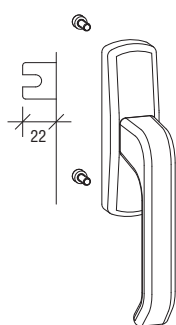
### Profile system manufacturers' information

The product guidelines of the profile manufacturers regarding construction, assembly, max. sash dimensions, max. sash weights and material qualities (e.g. longitudinal expansion) are to be observed.

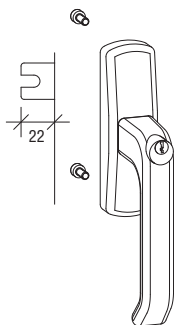
## Application diagram / Fitting requirements



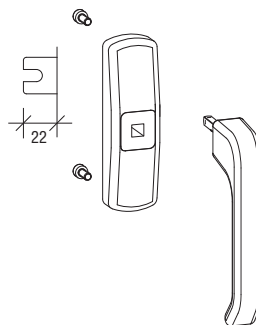
## Geared handles SPACIO – single locking direction aluminium, painted – 1 carrier fork 22 mm



Bag of geared handle  
SPACIO – not lockable  
2 screws  
G-46551-96-0-\*



Bag of geared handle  
SPACIO – lockable  
2 screws, 2 keys  
G-46553-96-0-\*



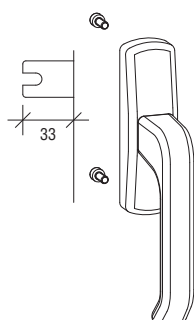
Bag of  
geared rosette SPACIO  
2 screws  
G-46555-96-0-\*

Removable handle SPACIO  
G-18888-00-0-\*

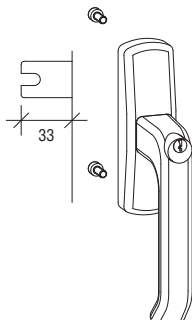


90° limiter  
for aluminium rosettes  
9-34612-00-0-6

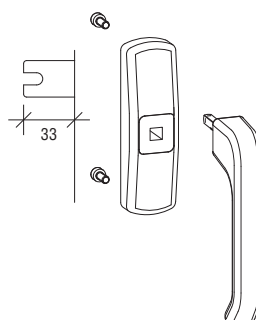
## Geared handles SPACIO – single locking direction aluminium, painted – 1 carrier fork 33 mm



Bag of geared handle  
SPACIO – not lockable  
2 screws  
G-46595-96-0-\*






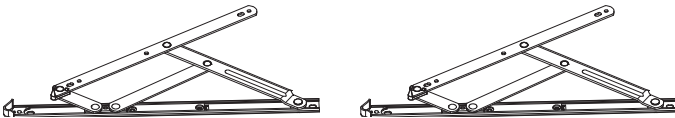



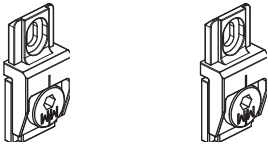
Bag of geared handle  
SPACIO – lockable  
2 screws, 2 keys  
G-46597-96-0-\*



Bag of  
geared rosette SPACIO  
2 screws  
G-46596-96-0-\*

Removable handle SPACIO  
G-18888-00-0-\*

## Projecting top hung stays and vertical adjustment

Description, illustration	Application		DIN	Article No.
<b>Projecting top hung stay SKS 40</b> 	Max. sash weight Min. sash height Max. sash height Opening angle	40 kg 267 mm 640 mm $50^\circ \pm 2,5^\circ$	DIN left hand DIN right hand	9-44762-00-P-8
<b>Projecting top hung stay SKS 50</b> 	Max. sash weight Min. sash height Max. sash height Opening angle	50 kg 640 mm 800 mm $50^\circ \pm 2,5^\circ$	DIN left hand DIN right hand	9-44763-00-P-8
<b>Projecting top hung stay SKS 65</b> 	Max. sash weight Min. sash height Max. sash height Opening angle	65 kg 800 mm 1100 mm $50^\circ \pm 2,5^\circ$	DIN left hand DIN right hand	9-44764-00-P-8
<b>Projecting top hung stay SKS 65 H</b> 	Max. sash weight Min. sash height Max. sash height Opening angle Vertical adjustment	65 kg 600 mm 1100 mm $30^\circ \pm 2,5^\circ$ $\pm 2$ mm	DIN left hand DIN right hand	9-44765-00-P-8
<b>Projecting top hung stay SKS 100</b> 	Max. sash weight Min. sash height Max. sash height Opening angle Vertical adjustment	100 kg 1100 mm 1500 mm $45^\circ \pm 2,5^\circ$ $\pm 2$ mm	DIN left hand DIN right hand	9-44766-00-P-8
<b>Projecting top hung stay SKS 100H</b> 	Max. sash weight Min. sash height Max. sash height Opening angle Vertical adjustment	100 kg 1500 mm 2000 mm $20^\circ \pm 2,5^\circ$ $\pm 2$ mm	DIN left hand DIN right hand	9-44767-00-P-8
<b>Projecting top hung stay SKS 180</b> 	Max. sash weight Min. sash height Max. sash height Opening angle Vertical adjustment	180 kg 2000 mm 2500 mm $20^\circ \pm 2,5^\circ$ $\pm 2$ mm	DIN left hand DIN right hand	9-44768-00-P-8
<b>Vertical adjusting device HVS [1]</b> 	Vertical adjustment	$\pm 2$ mm		9-44769-00-0-1

[1] required for sash weights > 65 kg

## Locking elements, opening restrictor, geared handle and gear

Description, application	Consisting of:	Illustration.	Article No.
<b>Horizontal lock (bottom)</b>  Min. sash width      600 mm Max. sash width      1500 mm Max. sash height      1500 mm	2 x locking plate (frame)		6-40229-00-0
	2 x locking pin element		6-24539-08-0
<b>Passive middle lock PMV (top)</b>			9-44770-00-0-0
<b>Opening restrictor size 2 lockable</b>  Length c-rail      200 mm Length scissors arm      152,4 mm	2 pieces per window		6-C8628-06-0-8
<b>Opening restrictor size 3 lockable</b>  Length c-rail      200 mm Length scissors arm      203,2 mm	2 pieces per window		6-C8628-08-0-8
<b>Key</b>			9-C8628-00-0-0
<b>Vertical lock</b>	2 x locking plate (frame)		6-40229-00-0
	2 x locking pin element		6-24539-08-0
	2 x corner transmission		6-24529-08-0
<b>Geared handle SPACIO</b>			G-46551-00-0-1
<b>Gear for concealed mounting</b> Stroke: 25,5 mm			G-19270-01-0-1