



WINDOW TECHNOLOGY  
DOOR TECHNOLOGY  
AUTOMATIC ENTRANCE SYSTEMS  
BUILDING MANAGEMENT SYSTEMS



WINDOW TECHNOLOGY – VEKAMOTION 82



## Lift&Slide hardware for PVC elements

Edition 10/2020

Securing technology for you



# The Gretsch-Unitas Group

Opening, moving, closing, securing – true to its motto "Securing technology for you", Gretsch-Unitas group provides groundbreaking solutions for window and door technology, automatic entrance systems and building management systems. With its system brands, the group delivers solutions for burglar inhibition at doors and windows, barrier-free construction, doors in escape and rescue routes through to bespoke facade solutions for projects.



## Gretsch-Unitas GmbH Baubeschläge



GU in Ditzingen is the headquarters of the group, development, administration and the production of modern architectural hardware for window and door technology. Apart from different flexible assembly departments, the production site comprises a high-tech punching, galvanising and anodising facility.

## BKS GmbH



BKS manufactures mechanical and electronic locking cylinders, locks, locking systems and panic locks for escape and rescue routes. Harmonised mechanical and electronic system solutions are available for access control.

## FERCO International S.A.S.



Ferco is the largest production site for window hardware in France. As a subsidiary of the Gretsch-Unitas group, Ferco also offers customer support and distribution in France for all products of the group.



#### GU Automatic



GU Automatic offers innovative, secure and reliable solutions for automatic entrance systems and automatic door systems, revolving doors, all-glass sliding walls, security curved sliding doors and controlled physical access.

#### ela-soft



By developing GEMOS, the successful facility management and organisation system, ela-soft has become an established market and technology leader in the building services sector.

Securing technology for you



# Veka VEKAMOTION 82 / GU-937 / Veka threshold

## Application ranges



### Application ranges

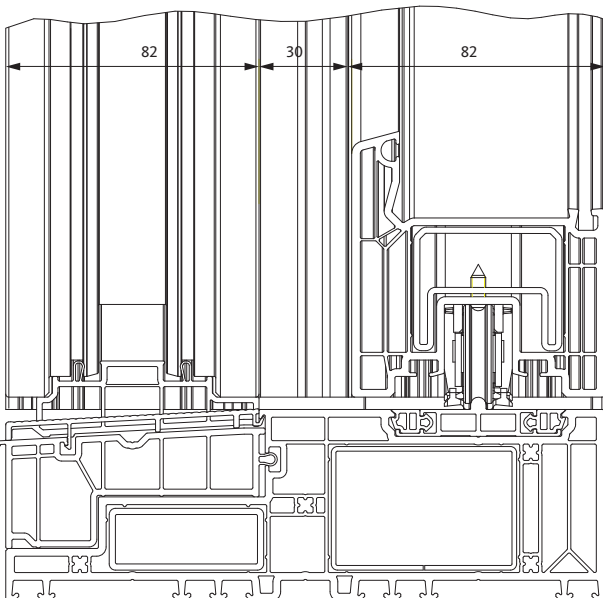
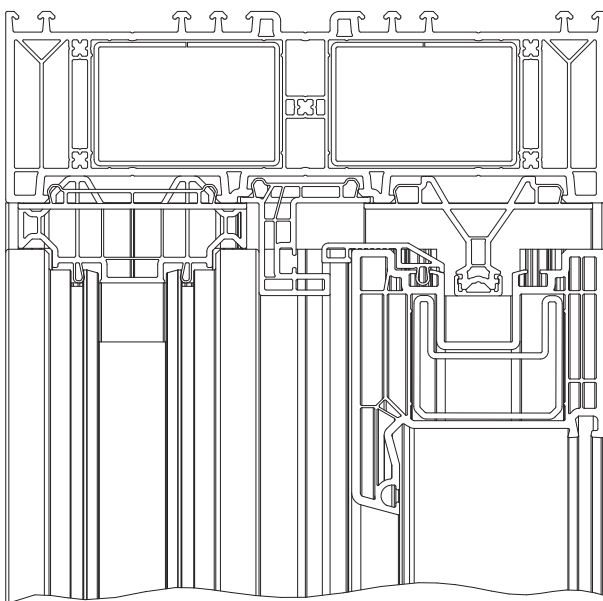
Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height SH	Sash weight [SW]	
		maximum	L&S bogie
720 – 3300	863–2763 mm	200 kg	GU-937 N22
		400 kg	GU-937 Tandem N22

SW : SH = 1 : 2.5

### Installation drawings

Application	Drawing	Order information
Lift&Slide hardware GU-937 N22	0-48971	from page 5

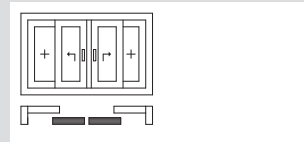
■ 'RC2 system file for PVC'.



### Possible patterns



**Pattern A**  
 1 Lift&Slide door  
 1 Fixed-glazed sash  
 Fig.: sliding direction to the right



**Pattern C**  
 2 Lift&Slide doors  
 2 Fixed-glazed sashes  
 Fig: sliding direction to the right and left



### L&S bogie and rod – for sash weights up to 200 kg

L&S bogie					
Pattern		Designation	Finish	PU	Order no.
A	C				
1	2	L&S bogie GU-937 N22	ferGUard	1	K-20207-01-0-1

Content: 1 x L&S bogie front, 1 x L&S bogie rear

Rod Ø 8 mm						
Pattern		Sash width [mm]	Length [mm]	Finish	PU	Order no.
A	C					
1	2	720 – 1600	1100	ferGUard	1	9-25476-11-0-1
				faceGUard	1	9-25476-11-0-18
		1601 – 1850	1350	ferGUard	1	9-25476-14-0-1
				faceGUard	1	9-25476-14-0-18
		1851 – 2350	1850	ferGUard	1	9-25476-18-0-1
				faceGUard	1	9-25476-18-0-18
		2351 – 3300	3300	ferGUard	1	9-25476-33-0-1
				faceGUard	1	9-25476-33-0-18



### L&S bogie and rod – for sash weights up to 400 kg

L&S bogie					
Pattern		Designation	Finish	PU	Order no.
A	C				
1	2	L&S bogie GU-937 N22	ferGUard	1	K-20207-01-0-1

Contains: 1 x L&S bogie front, 1 x L&S bogie rear

1	2	L&S tandem bogie GU-937 N22	ferGUard	1	K-17759-01-0-1
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Contains: 2 x L&S central bogies

Rod Ø 8 mm						
Pattern		Sash width [mm]	Length [mm]	Finish	PU	Order no.
A	C					
1	2	1230 – 1600	1100	ferGUard	1	9-25476-11-0-1
				faceGUard	1	9-25476-11-0-18
		1601 – 1850	1350	ferGUard	1	9-25476-14-0-1
				faceGUard	1	9-25476-14-0-18
		1851 – 2350	1850	ferGUard	1	9-25476-18-0-1
				faceGUard	1	9-25476-18-0-18
		2351 – 3300	3300	ferGUard	1	9-25476-33-0-1
				faceGUard	1	9-25476-33-0-18

# Veka VEKAMOTION 82 / GU-937 / Veka threshold

## Hardware requirements



### Lift&Slide gear, 27.5 mm backset

Pattern		Sash height [mm]	Length [mm]	Handle height [mm]	Finish		PU	Order no.
A	C				Cover rail	Lock case, connecting rod		
1	2	863 – 1282	1190	396	EV 1 / light grey	ferGUard	10	6-30019-11-0-1
					UC 5 / dark bronze	ferGUard	10	6-30019-11-0-5
					EV 1 / light grey	faceGUard	10	6-30019-11-0-18
		1283 – 1862	1770	396	EV 1 / light grey	ferGUard	10	6-30019-19-0-1
					UC 5 / dark bronze	ferGUard	10	6-30019-19-0-5
					EV 1 / light grey	faceGUard	10	6-30019-19-0-18
		1863 – 2362	2270	996	EV 1 / light grey	ferGUard	10	6-30019-24-0-1
					UC 5 / dark bronze	ferGUard	10	6-30019-24-0-5
					EV 1 / light grey	faceGUard	10	6-30019-24-0-18
		2363 – 2763	2670	996	EV 1 / light grey	ferGUard	10	6-30019-28-0-1
					UC 5 / dark bronze	ferGUard	10	6-30019-28-0-5
					EV 1 / light grey	faceGUard	10	6-30019-28-0-18
<b>Optional: Gear and cover-rail extension set 500 mm</b>								
1	2	2750 – 3250	500	-	EV 1 / light grey	ferGUard	10	6-32030-00-0-1
					UC 5 / dark bronze	ferGUard	10	6-32030-00-0-5
					EV 1 / light grey	faceGUard	10	6-32030-00-0-18
<b>Optional: Cover-rail extension set 500 mm</b>								
1	2	2750 – 3250	500	-	EV 1 / light grey	ferGUard	10	9-28483-05-0-1
					UC 5 / dark bronze	ferGUard	10	9-28483-05-0-5

### Basic hardware set VEKAMOTION 82, pattern A

Pattern		Designation	Finish	PU	Order no.
A	C				
1	-	Basic hardware set VEKAMOTION 82, pattern A	-	1	K-20313-00-0-0

Contains: 18 x countersunk screw, 2 x frame cam, 7 x spacer, 2 x rubber buffer, 1 x set of screws, 2 x L&S bogie support, 1 x cover cap

### Basic hardware set VEKAMOTION 82, pattern C

Pattern		Designation	Finish	PU	Order no.
A	C				
-	1	Basic hardware set VEKAMOTION 82, pattern C	-	1	K-20222-00-0-0

Contains: 18 x countersunk screw, 2 x frame cam, 14 x spacer, 4 x rubber buffer, 2 x set of screws, 1 x cover cap

L&S locking system C / G1 VEKAMOTION 82				
Pattern		Designation	PU	Order no.
A	C			
-	1	L&S locking system C / G1 VEKAMOTION 82	1	K-20314-00-0-1

Contains: 1 x top keeper, 1 x rod, 1 x guide, 1 x guide plate, 1 x adjusting ring, 1 x compression spring, 6 x screw, 1 x reverser, 1 x rivet bolt, 1 x slider, 1 x bottom keeper

### Accessory requirements

HS SilentClose / HS StopUnit					
Pattern		Designation	SW [kg]	PU	Order no.
A	C				
1	2	HS SilentClose damping unit [1]	up to 200	1	K-19463-01-0-6
			up to 400	1	K-19463-00-0-6
1	2	HS StopUnit damping unit [2]	up to 200	1	K-19955-01-0-6
			up to 400	1	K-19955-00-0-6

[1] Contains: 1 x damping unit  
[2] Contains: 1 x damping unit

Accessories for HS SilentClose / HS StopUnit VEKAMOTION 82				
Pattern		Designation	PU	Order no.
A	C			
1	2	Accessories for HS SilentClose / HS StopUnit VEKAMOTION 82	1	K-20237-01-0-1

Contains: 1 x trigger-part, 2 x clamping pin, 2 x sheet-metal screw, 2 x pan-head tapping screw, 1 x mounting plate

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## Optional additional components



### Tension spring [1]

Pattern		Designation	Finish	PU	Order no.
A	C				
1	2	Tension spring	-	1	9-40235-05-0-0

[1] Recommended from a sash weight of 200 kg for reduction of the operating forces

### L&S Handle damper [1]

Pattern		Designation	Finish	PU	Order no.
A	C				
1	2	L&S Handle damper	-	1	K-19053-00-0-6

[1] Recommended from a sash weight of 100 kg for controlled lowering of the sliding sash

### L&S anti-jemmy device

Pattern		Designation	Finish	PU	Order no.
A	C				
1	2	L&S anti-jemmy device	EV 1 / light grey	1	K-16569-00-0-1

Contains: 2 x wedge, 2 x lever, 2 x support

### L&S corner-drive with anti-jemmy device P1786

Pattern		Designation	Finish	PU	Order no.
A	C				
1	2	L&S corner-drive with anti-jemmy device	EV 1 / light grey	1	K-18906-00-0-1
			UC 5 / dark bronze	1	K-18906-00-0-5

Contains: 2 x top guide, 1 x corner-drive, 1 x extension, 1 x cover, 1 x L&S guide, 1 x screw, 1 x spacer

### P 959 connecting rod for L&S anti-jemmy device

Pattern		Designation	SW [mm]	Length [mm]	Finish	PU	Order no.
A	C						
1	2	P 959 connecting rod for L&S anti-jemmy device	600 – 1220	1000	ferGUard	1	9-28355-10-0-1
			1221 – 1720	1500	ferGUard	1	9-28355-15-0-1
			1721 – 2020	1800	ferGUard	1	9-28355-18-0-1
			2021 – 3000	2600	ferGUard	1	9-28355-26-0-1
			Stock length	4800	ferGUard	1	9-28355-48-0-1



### L&S turn handles

The L&S turn handle versions used in the following application examples are exemplary.

#### Application example 1: L&S interior turn handle – with L&S exterior flush pull

L&S DIRIGENT handle 4.0, 180° with lugs [1][2]					
Pattern		Designation	Finish	PU	Order no.
A	C				
1	2	L&S DIRIGENT interior handle with PC hole	Silver/EV 1 look	1	K-20374-51-0-1
			Black [3]	1	K-20374-51-0-6
			White, RAL 9016	1	K-20374-51-0-7

[1] A removable service handle may be used alternatively for a fixed L&S turn handle.  
 [2] The fixing screws are contained in the basic hardware set for VEKAMOTION 82 / order number K-20313-00-0-0.  
 [3] Similar to RAL 9005  
 Contains: 1 x inside handle, 1 x flush pull, 1 x cover with PC

L&S DIRIGENT handle 4.0, 180° with lugs, interior/exterior					
Pattern		Designation	Finish	PU	Order no.
A	C				
1	2	DIRIGENT L&S turn handle set, with PC hole	Silver/EV 1 look	1	K-20364-C0-0-1
			White, RAL 9016	1	K-20364-C0-0-7

Contains: 1 x inside handle, 1 x outside handle, 2 x screw, 2 x cover with PC

L&S DIRIGENT handle 4.0, 180° with lugs, interior					
Pattern		Designation	Finish	PU	Order no.
A	C				
1	2	DIRIGENT L&S turn handle, without PC hole	Silver/EV 1 look	1	K-20362-51-0-1
			Black [3]	1	K-20362-51-0-6
			White, RAL 9016	1	K-20362-51-0-7

[3] Similar to RAL 9005  
 Contains: 1 x handle, 1 x flush pull, 1 x cover w/o PC

L&S flush pull					
Pattern		Designation	Finish	PU	Order no.
A	C				
1	2	L&S flush pull	Silver/EV 1 look	1	9-29992-02-0-1
			Black [1]	1	9-29992-02-0-6
			White, RAL 9016	1	9-29992-02-0-7

[1] Similar to RAL 9005

# List of abbreviations



List of abbreviations	
CH-RC	Swiss round cylinder
SD	Sash distance
SW	Sash width
ST	Sash thickness
FGSW	Fixed-glazed sash width
SW	Sash weight
SH	Sash height
HD	Handle distance
LD	Length of drive case
WR	Width of reveal
RT	Roller track
N22	Groove width of bogie 22 mm
PC	Profile cylinder
TFW	Total frame width
PU	Packing unit
FW	Frame profile width

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