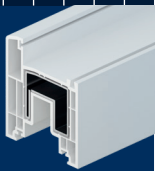




WINDOW TECHNOLOGY  
DOOR TECHNOLOGY  
AUTOMATIC ENTRANCE SYSTEMS  
BUILDING MANAGEMENT SYSTEMS



WINDOW TECHNOLOGY – VEKAMOTION



## 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.

INTERNATIONALITÄT

SYSTEM-LÖSUNGEN

INNOVATION

## 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 A / GU-937 / Veka threshold

## Application ranges



### Application ranges

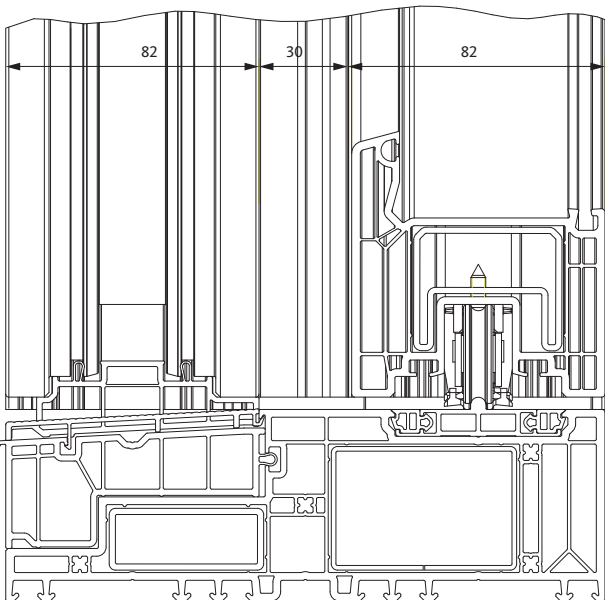
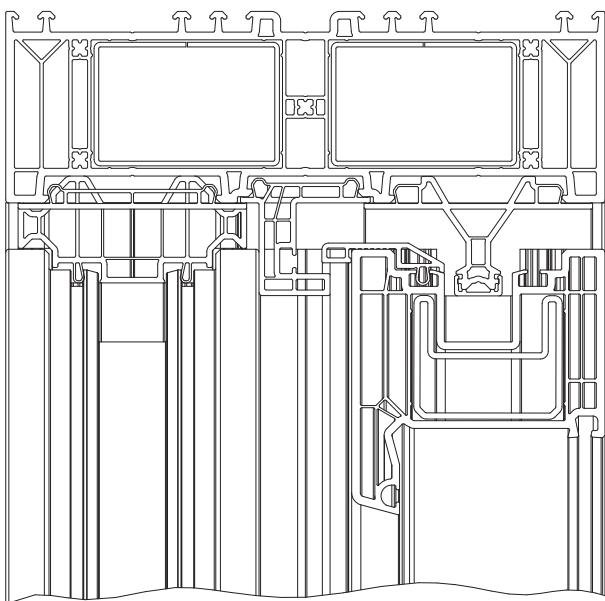
| Sash widths / sash heights / sash weights |                |                  |                   |
|---|----------------|------------------|-------------------|
| Sash width [SW]                           | Sash height SH | Sash weight [SW] |                   |
|   |                | maximum    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

SH : SW = 2.5 : 1

### Installation drawings

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

■ 'RC2 system file for PVC'.



### Possible patterns

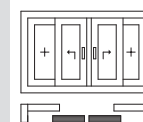


#### Pattern A

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 | 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-17804-01-0-1 |
|---|---|-----------------------------|----------|---|----------------|

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 A / 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 VEKA Motion, pattern A

| Pattern |   | Designation                               | Finish | PU | Order no.      |
|---------|---|---|--------|----|----------------|
| A       | C |   |        |    |                |
| 1       | - | Basic hardware set VEKA Motion, 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 VEKA Motion, pattern C

| Pattern |   | Designation                               | Finish | PU | Order no.      |
|---------|---|---|--------|----|----------------|
| A       | C |   |        |    |                |
| -       | 1 | Basic hardware set VEKA Motion, 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  |   |                                      |    |                |
|---|---|--------------------------------------|----|----------------|
| Pattern   |   | Designation                          | PU | Order no.      |
| A   | C |                                      |    |                |
| -   | 1 | L&S locking system C / G1 Vekamotion | 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 |

# Veka Vekamotion 82 A / GU-937 / Veka threshold

## 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-20362-51-0-1 |
|  |   |   | Dark brown [3]   | 1  | K-20362-51-0-6 |
|  |   |   | White, RAL 9016  | 1  | K-20362-51-0-7 |

[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 VEKA Motion 82 / order number K-18002-00-0-0.  
 [3] Similar to RAL 8022  
 Contains: 1 x inside handle, 1 x flush pull, 1 x cover w/o PC

| L&S DIRIGENT handle 4.0, 180° with lugs |   |  |                  |    |                |
|---|---|--|------------------|----|----------------|
| Pattern                                 |   | Designation  | Finish           | PU | Order no.      |
| A                                       | C |  |                  |    |                |
| 1                                       | 2 | DIRIGENT interior/exterior 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 w/o PC

| L&S DIRIGENT handle 4.0, 180° with lugs |   |  |                  |    |                |
|---|---|--|------------------|----|----------------|
| Pattern                                 |   | Designation  | Finish           | PU | Order no.      |
| A                                       | C |  |                  |    |                |
| 1                                       | 2 | DIRIGENT interior L&S turn handle, without PC hole | Silver/EV 1 look | 1  | K-20374-51-0-1 |
|   |   |  | Dark brown [3]   | 1  | K-20374-51-0-6 |
|   |   |  | White, RAL 9016  | 1  | K-20374-51-0-7 |

[3] Similar to RAL 8022  
 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 |
|                |   |                | Dark brown [1]   | 1  | 9-29992-02-0-5 |
|                |   |                | White, RAL 9016  | 1  | 9-29992-02-0-7 |

[1] Similar to RAL 8022

# 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            |
| PC                    | Profile cylinder        |
| TFW                   | Total frame width       |
| PU                    | Packing unit            |
| FW                    | Frame profile width     |

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