



WINDOW TECHNOLOGY
DOOR TECHNOLOGY
AUTOMATIC ENTRANCE SYSTEMS
BUILDING MANAGEMENT SYSTEMS



WINDOW TECHNOLOGY – ORDER CATALOGUE



Lift&Slide hardware for timber elements

Edition 01/2024

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 on doors and windows, for barrier-free building, for doors in escape and rescue routes, extending to individual 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 and galvanising 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



The successful GEMOS facility management and organisation system was designed by ela-soft, one of the market and technology leaders in the building technology branch.

Securing technology for you



FASCINATION & SLIDE

LIFT

REINVENTED BY THE INVENTOR

Gretsch-Unitas has more than 60 years of Lift&Slide expertise: by inventing the Lift&Slide system, Gretsch-Unitas set standards for outstanding functionality, comfort, security and design. Thanks to many enhancements and additional packages, individual Lift&Slide solutions perfectly tailored to customer requirements can be designed and retrofitted. GU hardware has a fabricator-friendly design, and a wide range of fixing accessories, and one-to-one support with planning and construction is available.

FIND OUT MORE IN FASCINATION
LIFT&SLIDE





Securing technology for you



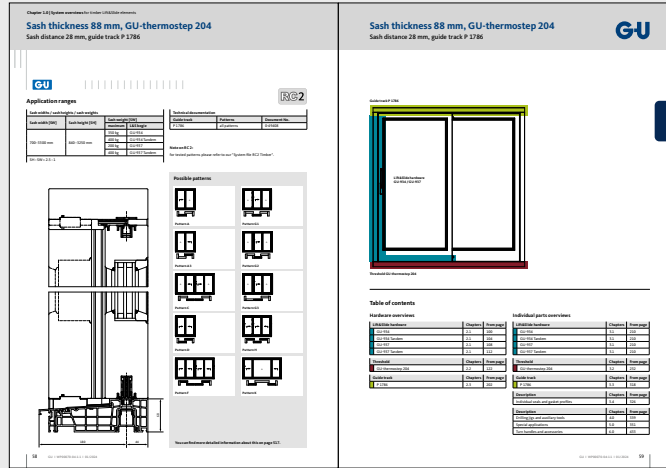


1.0 System overviews	
Table of contents	12
2.0 Overviews of hardware sets	
Table of contents	99
3.0 Individual parts overviews	
Table of contents	209
4.0 Drilling jigs and auxiliary tools	
Table of contents	339
5.0 Special applications	
Table of contents	351
6.0 Turn handles and accessories	
Table of contents	433
7.0 Additional information	
Table of contents	515

System overviews

1st step: Selection of the Lift&Slide system

In Chapter 1.0, we present our Lift&Slide systems to you with system overviews. The individual double pages contain all the specifications about the relevant ranges of application and the necessary cross-references to the order overviews for the hardware, individual parts and special applications. This clear navigation in our catalogue allows you to put your entire Lift&Slide hardware system together easily and in just a few steps.

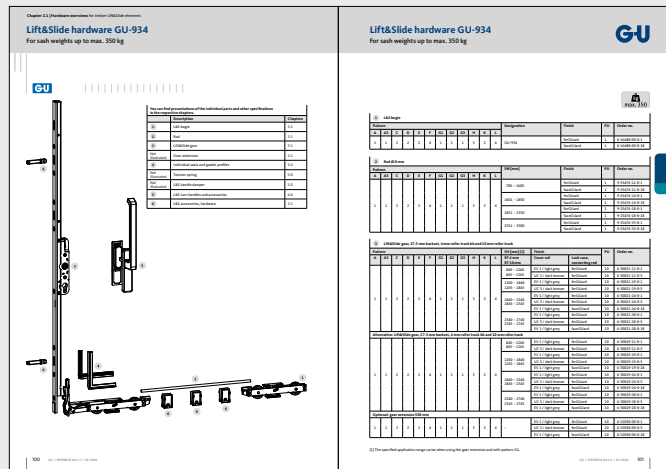


Sash thickness 88 mm, GU-thermostep 204

Lift&Slide hardware sets

2nd step: Selection of the Lift&Slide hardware set

In Chapter 2.1, you will find the order overviews of the individual Lift&Slide hardware sets. Here, we have assigned all the necessary hardware components by quantity and design to the respective pattern. You can choose from a variety of sizes and surface coatings.

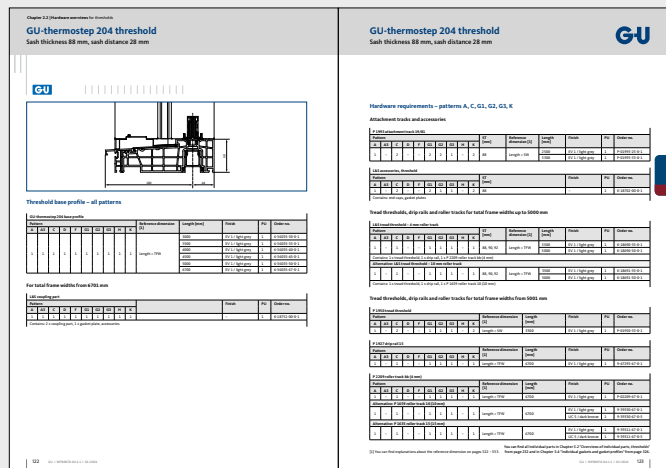


Lift&Slide hardware GU-934

Threshold sets

3rd step: Selection of the threshold sets

In Chapter 2.2, you will find the order overviews of the individual threshold sets. Here, we have assigned all the necessary threshold components by quantity and design to the respective pattern. You can choose from a variety of sizes and surface coatings. For the roller track, the roller track heights of 5, 10 or 15 millimetres are available. The threshold sets are then rounded off with the necessary accessories.

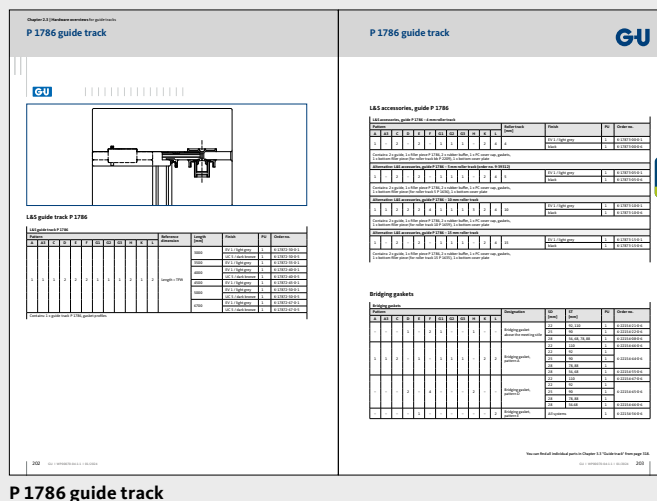


GU-thermostep 204 threshold

Guide track sets

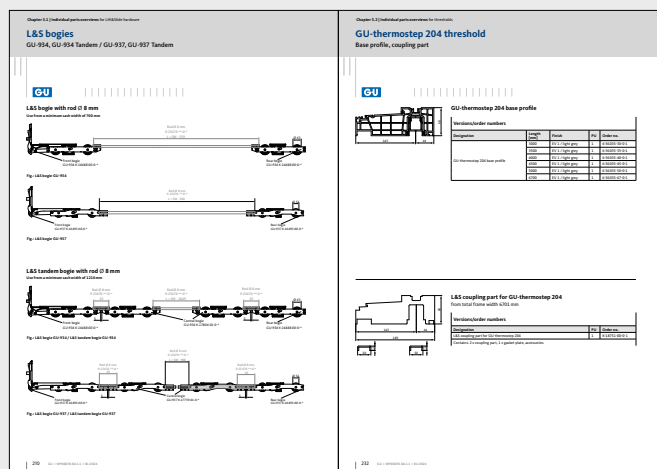
4th step: Selection of the guide track set

In Chapter 2.3, you will find the order overviews of the guide tracks. The system is then complete. Here again, you can choose from a variety of sizes and surface coatings.



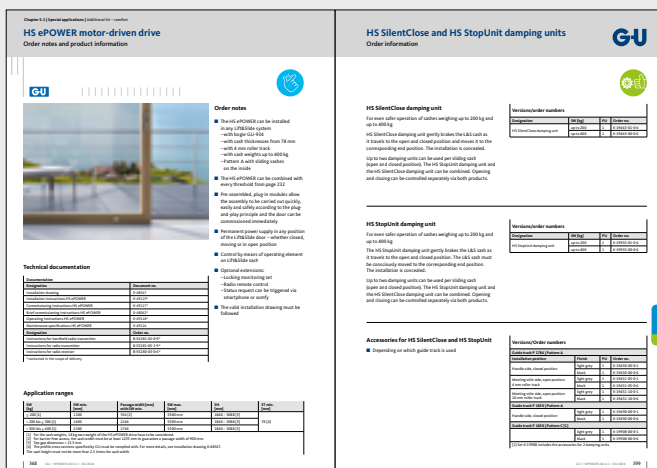
Individual parts overviews

Individuality counts. So we give you the option of modifying and supplementing the selected Lift&Slide hardware system. This is possible in the area of the Lift&Slide hardware, the threshold and the guide track. We present our range of individual parts to you in Chapters 3.1 to 4.0, and in Chapter 6.0. You will also find information here about specific characteristics, such as the dimensions or details about the contents of the packing units.



Special applications

In Chapter 5.0, we present to you possible applications with which we set standards that extend far beyond the normal offerings on the market. You can choose the right solution for you from the following additional kits: "comfort", "burglary", "operation", "ventilation" and "design". Our state-of-the-art special solutions all include the necessary specifications about application ranges and the applicable documentation.





The technical documentation

The technical documentation contains the complete Lift&Slide range for timber profile systems by GU in one download and supports you from the planning to production up to the delivery of a Lift&Slide element. At the same time it is compact, clear and easy to understand.

0-49408 guide track P 1786 / P 2301

0-48888 guide track P 1850



What do the technical documents contain?

The hardware combination

An overview of all required and optional components for your L&S element. It is not an order form and does not replace the confiGUrator.

The calculation form

After entering the relevant data into the yellow marked fields, the form will show you all required hardware components and timber profiles as well as respective dimensions.

The neutral installation drawing

Depending on the pattern, the design of a Lift&Slide element including the components required is shown graphically.

The neutral threshold drawing

The structure of the selected threshold (including components) is shown.

The neutral special application drawing

All offered special applications for the selected profile system are shown.

The profile sections

The sectional views are indicated in 1:1 scale.

The installation instructions

These are provided in DIN A4 for various sash configuration patterns.

The instructions for maintenance and care

This documents describes the correct handling of a timber L&S element.

How to use the technical documents?

Spreadsheet 0

Please enter your data for the construction project or Lift&Slide element (fields marked yellow) and select the required special applications. Please confirm your input by clicking the checkmark.

If you enter a system that deviates from the GU standard, you will receive a warning message to that effect. In this case, please select another system or consult your contact person at GU. (If you wish to enter a different system, please check all fields marked yellow and re-enter data).

If all required information is entered, the Excel file processes your information. This can take a few seconds, depending on the processing power of the computer. Once your information has been processed, an overview of the complete documentation you need for your construction projects is displayed in the bottom part of the form. The relevant document opens when you click on the corresponding link.

Spreadsheet 1

The complete hardware overview is shown on spreadsheet 1. The component can be found on the neutral drawing via the position number.

Spreadsheet 2

The spreadsheet no. 2 contains profile lengths of all components, milling and drilling dimensions for the element as well as cutting dimensions of all hardware components, guide track and threshold.

Where to find the technical documentation?

Download our documentation here and convince yourself of the newly gained advantages for your company.



System overviews

Table of contents



Sash thickness 56 mm

GU-thermostep 164 threshold	
Sash distance 10 mm – guide track P 1786	14
Sash distance 28 mm – guide track P 1786	16
Sash distance 28 mm – guide track P 1850 / P 2301	18
GU-threshold 47 threshold	
Sash distance 28 mm – guide track P 1786	20
Sash distance 28 mm – guide track P 1850 / P 2301	22
GU-timberstep 164 threshold	
Sash distance 28 mm – guide track P 1786	24
Sash distance 28 mm – guide track P 1850 / P 2301	26
GU-flatstep 164 threshold	
Sash distance 28 mm – guide track P 1786	28
Sash distance 28 mm – guide track P 1850 / P 2301	30

Sash thickness 68 mm

GU-thermostep 164 threshold	
Sash distance 10 mm – guide track P 1786	32
Sash distance 28 mm – guide track P 1786	34
Sash distance 28 mm – guide track P 1850 / P 2301	36
GU-threshold 47 threshold	
Sash distance 28 mm – guide track P 1786	38
Sash distance 28 mm – guide track P 1850 / P 2301	40
GU-timberstep 164 threshold	
Sash distance 28 mm – guide track P 1786	42
Sash distance 28 mm – guide track P 1850 / P 2301	44
GU-flatstep 164 threshold	
Sash distance 28 mm – guide track P 1786	46
Sash distance 28 mm – guide track P 1850 / P 2301	48

Sash thickness 78 mm

GU-thermostep 204 threshold	
Sash distance 28 mm – guide track P 1786	50
Sash distance 28 mm – guide track P 1850 / P 2301	52
GU-timberstep 204 threshold	
Sash distance 28 mm – guide track P 1786	54
Sash distance 28 mm – guide track P 1850 / P 2301	56

Sash thickness 88 mm

GU-thermostep 164 threshold

Sash distance 28 mm – guide track P 1786	58
Sash distance 28 mm – guide track P 1850 / P 2301	60

GU-timberstep 204 threshold

Sash distance 28 mm – guide track P 1786	62
Sash distance 28 mm – guide track P 1850 / P 2301	64

GU-flatstep 222 threshold

Sash distance 28 mm – guide track P 1786	66
Sash distance 28 mm – guide track P 1850 / P 2301	68

Sash thickness 90 mm

GU-thermostep 204 threshold

Sash distance 25 mm – guide track P 1786	70
Sash distance 25 mm – guide track P 1850 / P 2301	72

GU-timberstep 204 threshold

Sash distance 25 mm – guide track P 1786	74
Sash distance 25 mm – guide track P 1850 / P 2301	76

GU-flatstep 222 threshold

Sash distance 25 mm – guide track P 1786	78
Sash distance 25 mm – guide track P 1850 / P 2301	80

Sash thickness 92 mm

GU-thermostep 204 threshold

Sash distance 22 mm – guide track P 1786	82
Sash distance 22 mm – guide track P 1850 / P 2301	84

GU-timberstep 204 threshold

Sash distance 22 mm – guide track P 1786	86
Sash distance 22 mm – guide track P 1850 / P 2301	88

GU-flatstep 222 threshold

Sash distance 22 mm – guide track P 1786	90
Sash distance 22 mm – guide track P 1850 / P 2301	92

Sash thickness 110 mm

GU-thermostep 204 threshold

Sash distance 22 mm – guide track P 1786	94
Sash distance 22 mm – guide track P 1850 / P 2301	96

Sash thickness 56 mm, GU-thermostep 164

Sash distance 10 mm – guide track P 1786



RC2

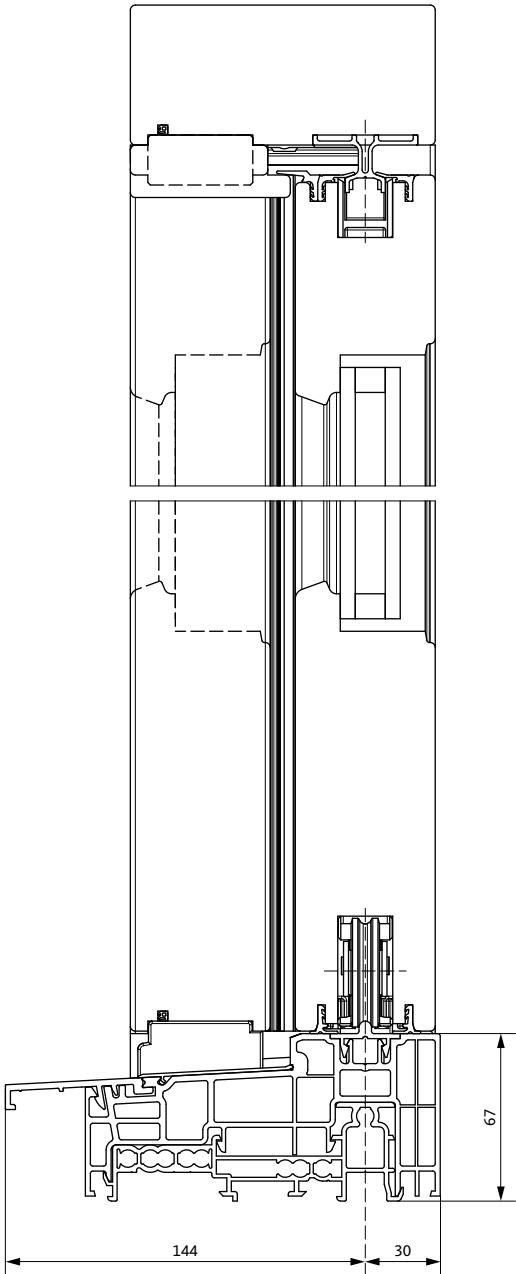
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

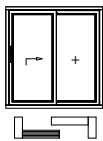
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

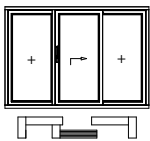
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



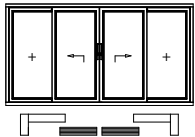
Possible patterns



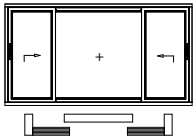
Pattern A



Pattern G2



Pattern C



Pattern K

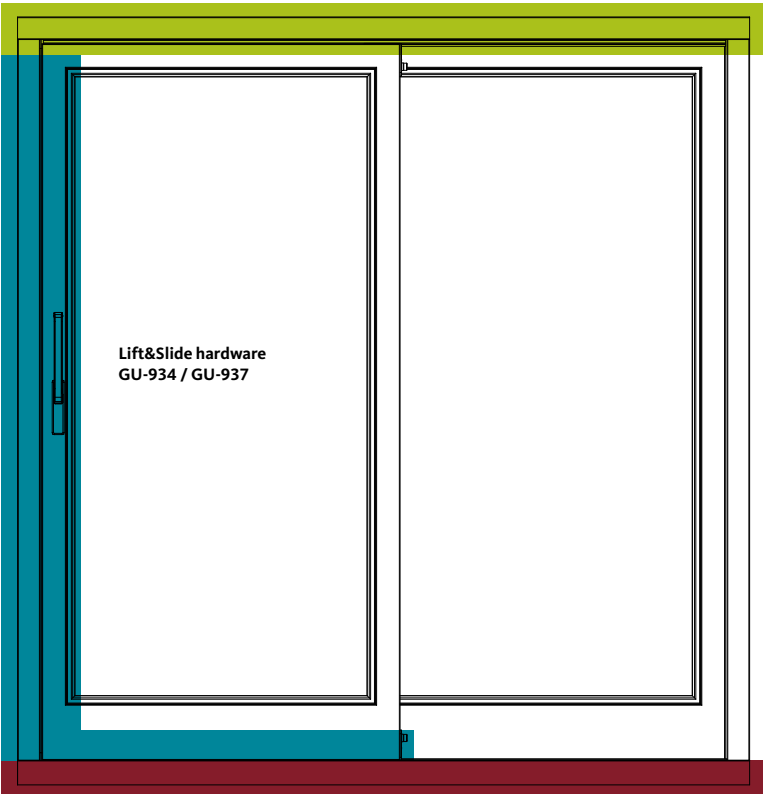
You can find more detailed information about this on page 517.

Sash thickness 56 mm, GU-thermostep 164

Sash distance 10 mm – guide track P 1786



Guide track P 1786



Threshold GU-thermostep 164

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-thermostep 164	2.2	138

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-thermostep 164	3.2	249

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 56 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1786



RC2

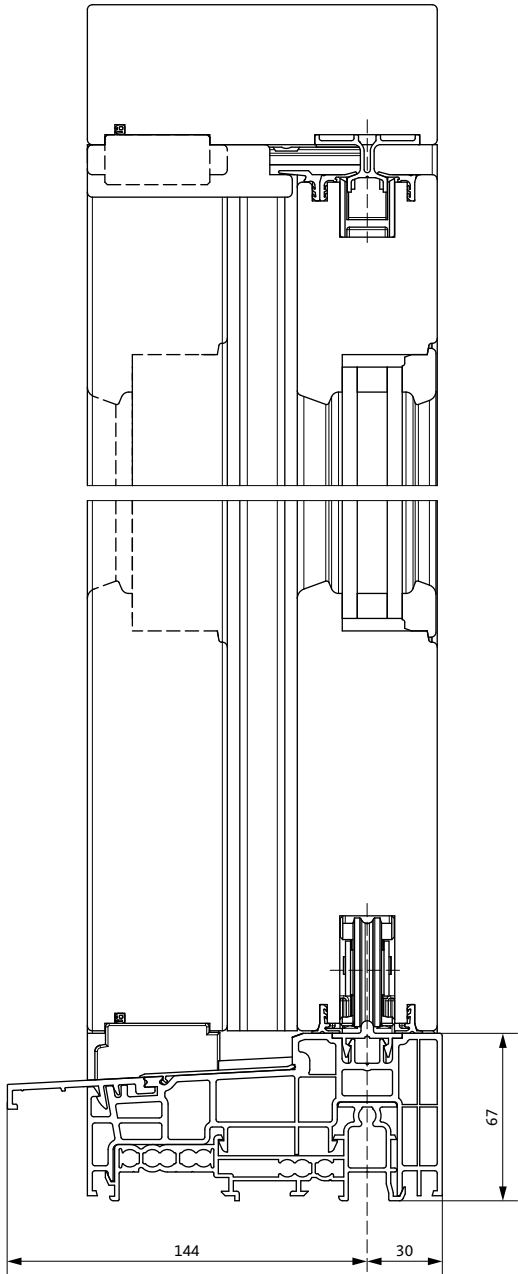
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

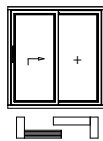
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Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

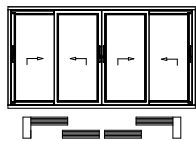
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



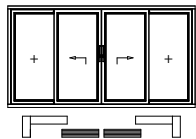
Possible patterns



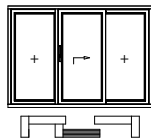
Pattern A



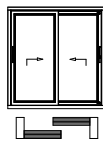
Pattern F



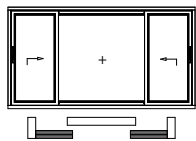
Pattern C



Pattern G2



Pattern D



Pattern K

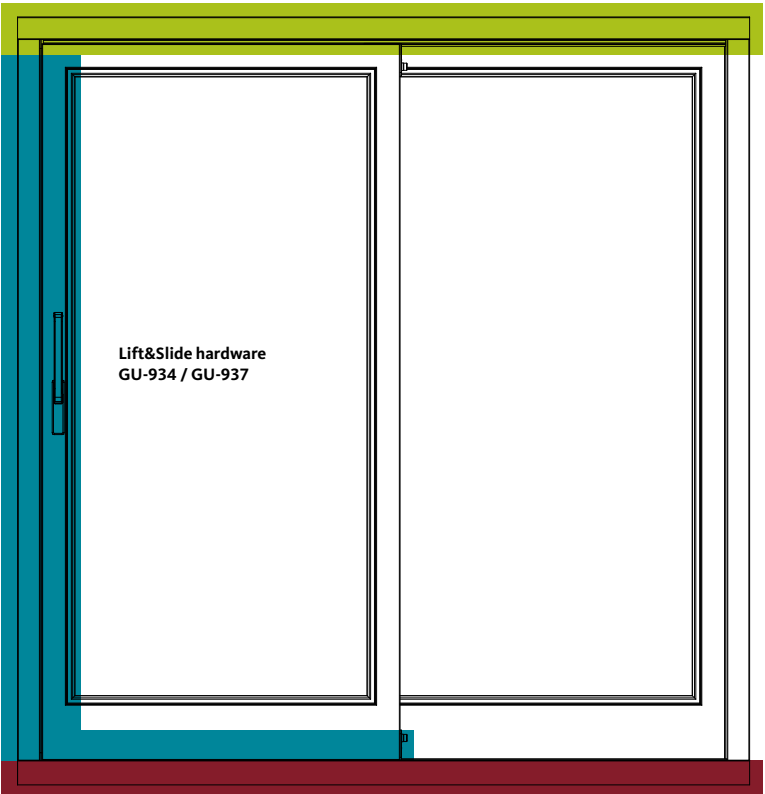
You can find more detailed information about this on page 517.

Sash thickness 56 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1786



Guide track P 1786



Threshold GU-thermostep 164

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112
Threshold	Chapters	From page
GU-thermostep 164	2.2	140
Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210
Threshold	Chapters	From page
GU-thermostep 164	3.2	249
Guide track	Chapters	From page
P 1786	3.3	318
Description	Chapters	From page
Individual seals and gasket profiles	3.4	326
Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 56 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1850 / P 2301



RC2

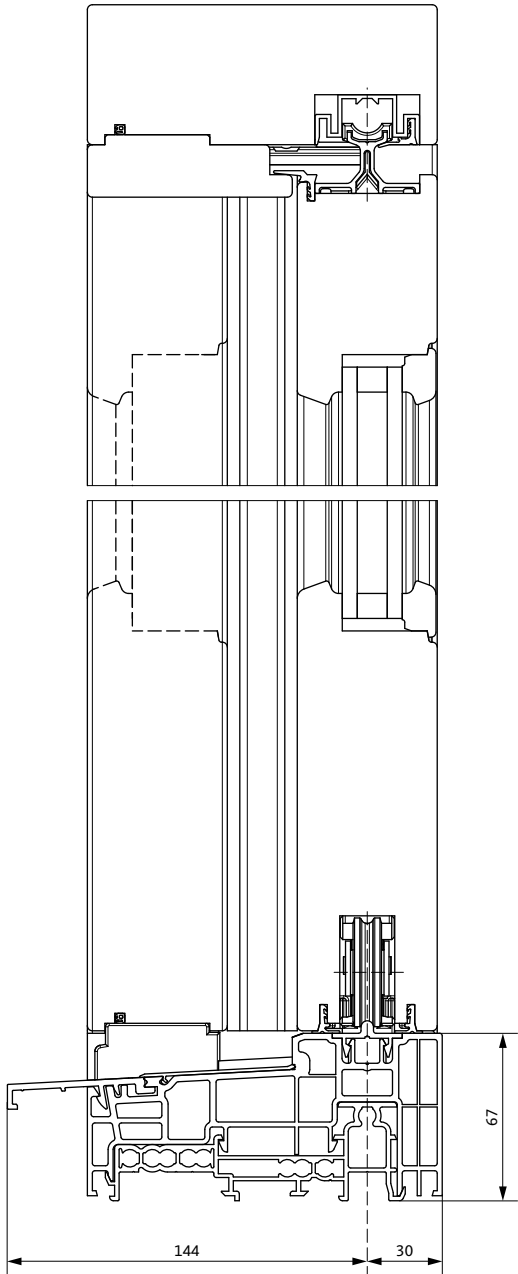
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

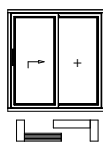
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Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / K	0-49408

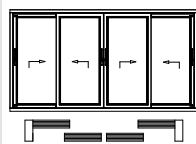
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



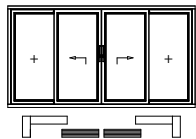
Possible patterns



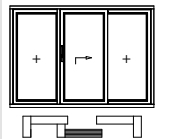
Pattern A



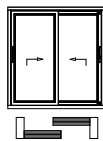
Pattern F



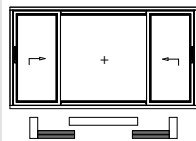
Pattern C



Pattern G2



Pattern D



Pattern K

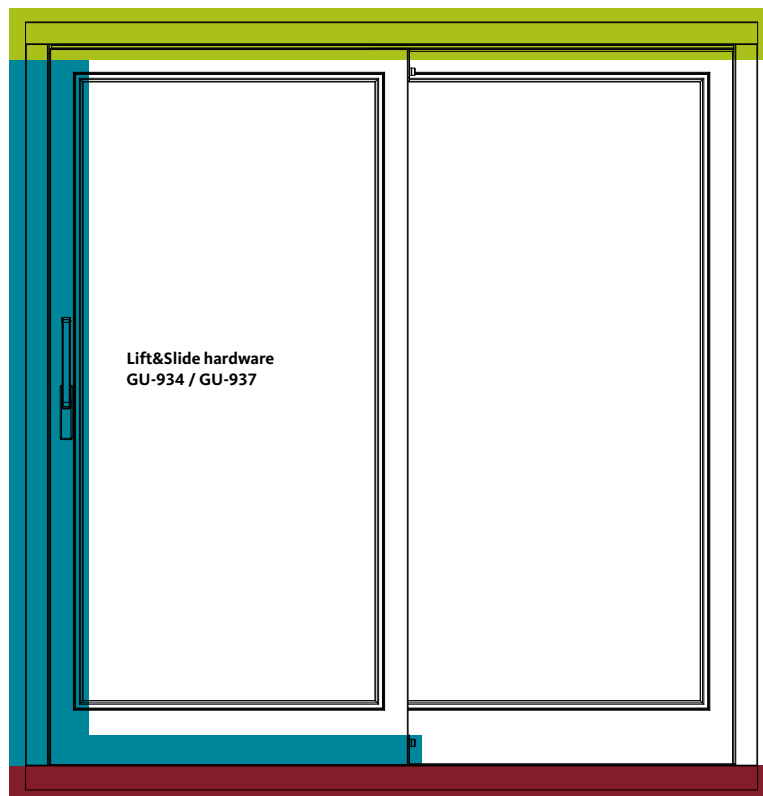
You can find more detailed information about this on page 517.

Sash thickness 56 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-thermostep 164

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112
Threshold	Chapters	From page
GU-thermostep 164	2.2	140
Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210
Threshold	Chapters	From page
GU-thermostep 164	3.2	249
Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324
Description	Chapters	From page
Individual seals and gasket profiles	3.4	326
Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 56 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1786



RC2

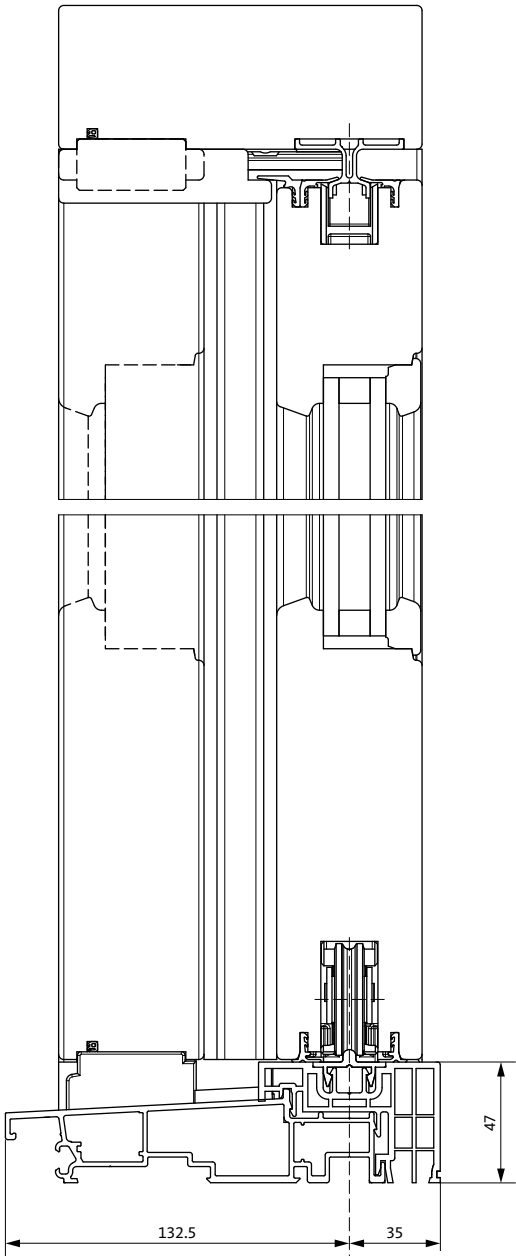
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

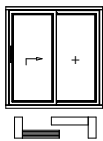
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Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

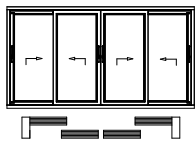
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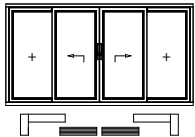
Possible patterns



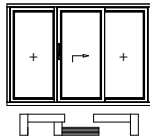
Pattern A



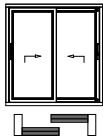
Pattern F



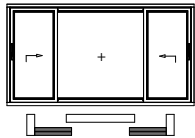
Pattern C



Pattern G2



Pattern D



Pattern K

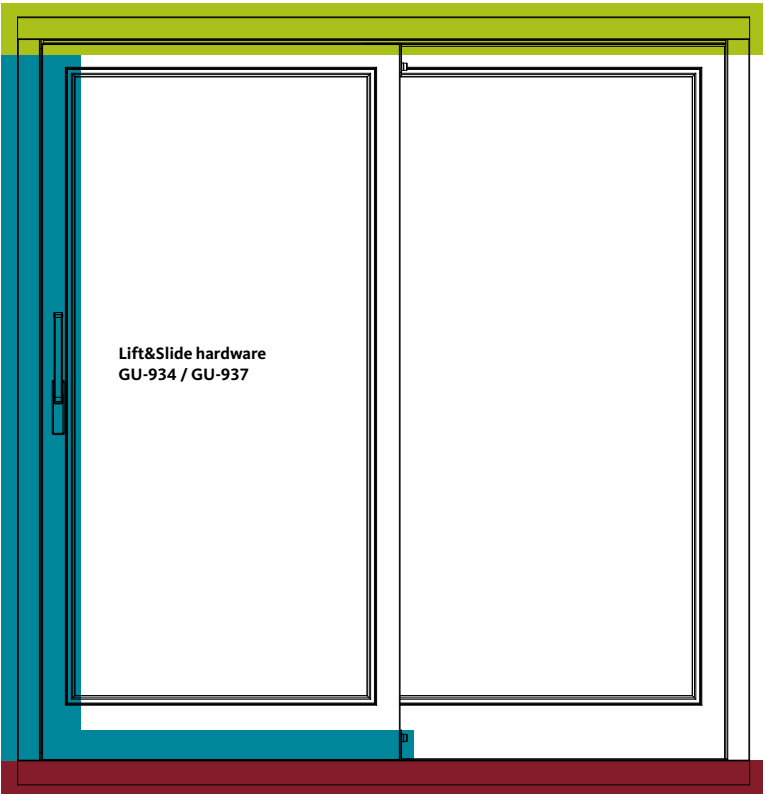
You can find more detailed information about this on page 517.

Sash thickness 56 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1786



Guide track P 1786



Threshold GU-threshold 47

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-threshold 47	2.2	150

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-threshold 47	3.2	269

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 56 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1850 / P 2301



RC2

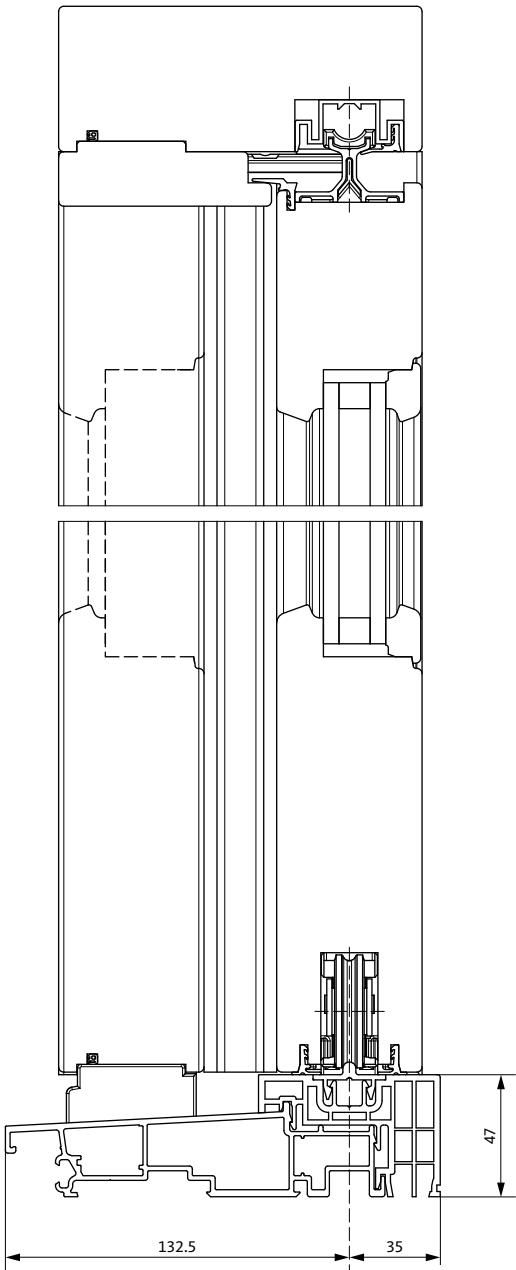
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

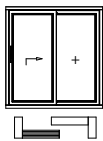
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / K	0-49408

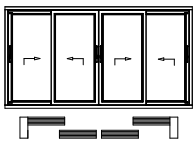
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



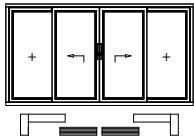
Possible patterns



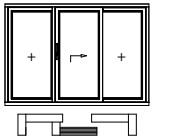
Pattern A



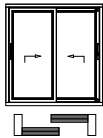
Pattern F



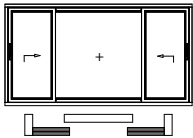
Pattern C



Pattern G2



Pattern D



Pattern K

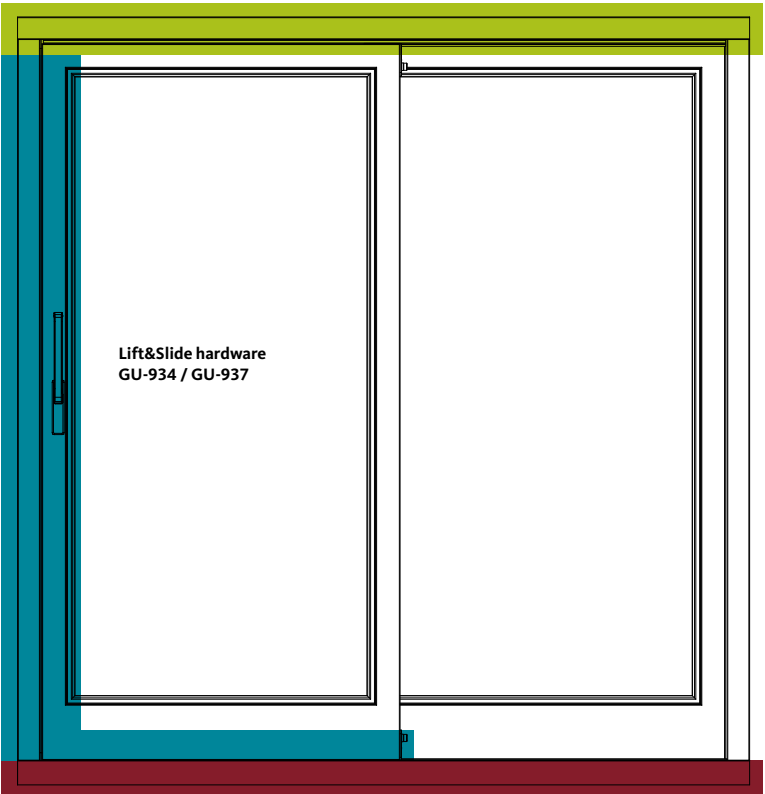
You can find more detailed information about this on page 517.

Sash thickness 56 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-threshold 47

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-threshold 47	2.2	150

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-threshold 47	3.2	269

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 56 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1786



RC2

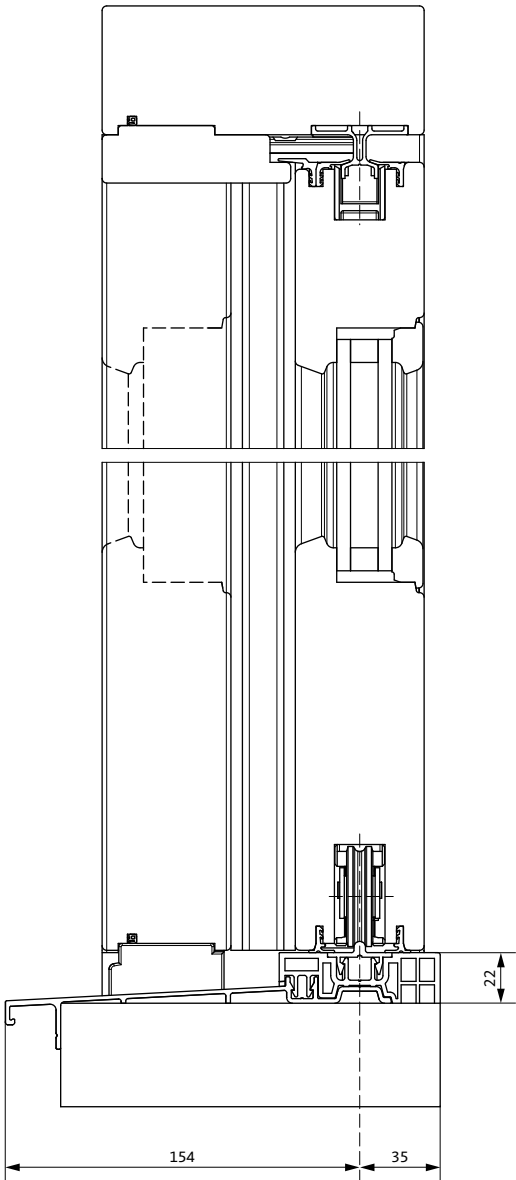
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

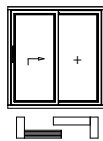
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

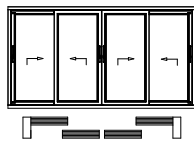
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



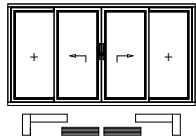
Possible patterns



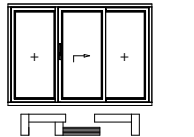
Pattern A



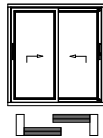
Pattern F



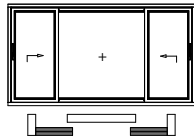
Pattern C



Pattern G2



Pattern D



Pattern K

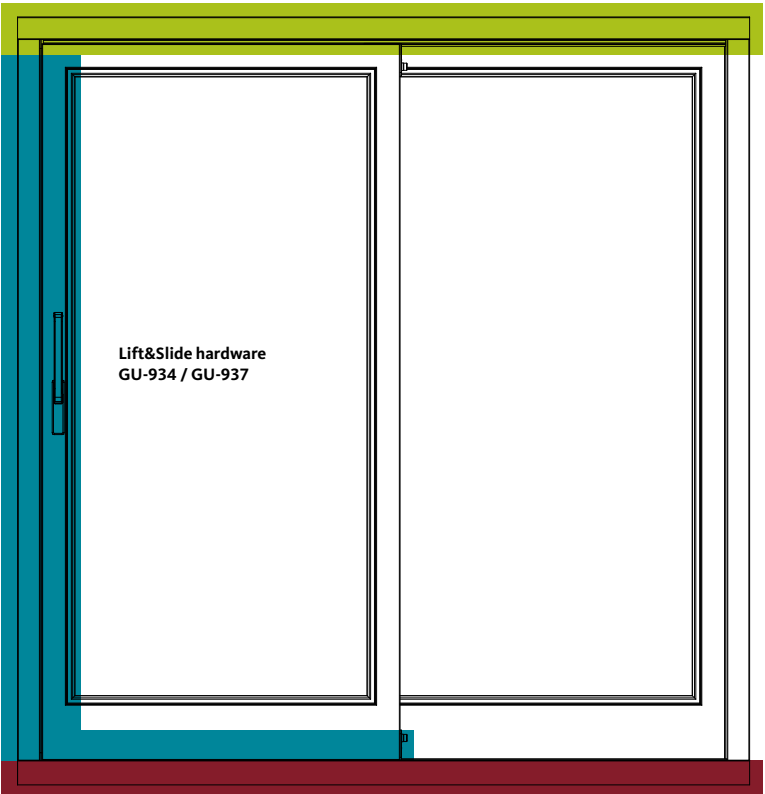
You can find more detailed information about this on page 517.

Sash thickness 56 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1786



Guide track P 1786



Threshold GU-timberstep 164

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-timberstep 164	2.2	194

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-timberstep 164	3.2	306

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 56 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1850 / P 2301



RC2

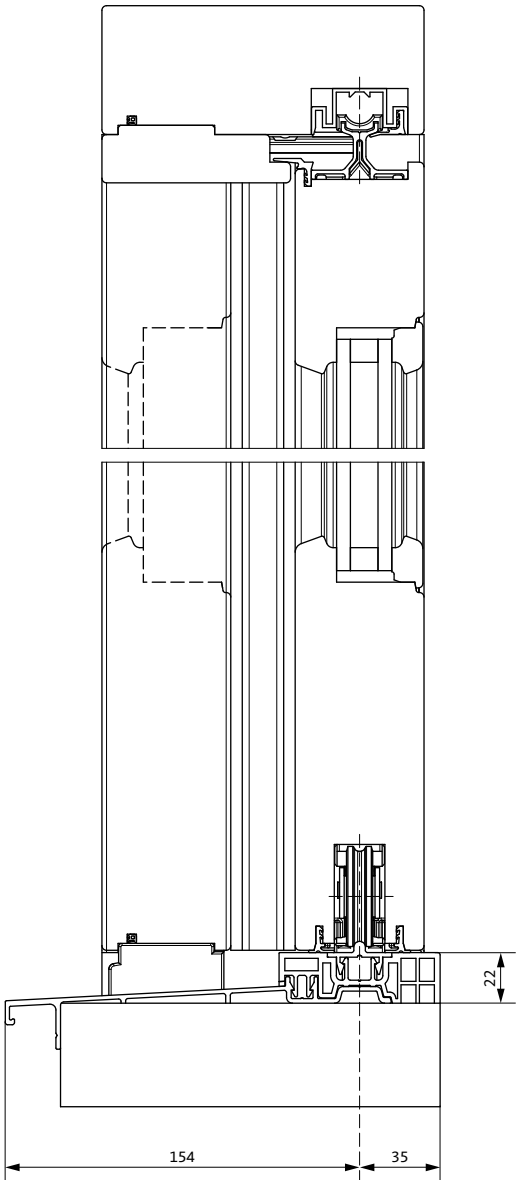
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

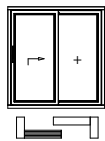
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / K	0-49408

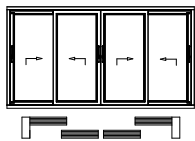
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



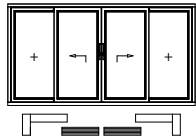
Possible patterns



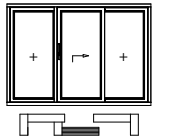
Pattern A



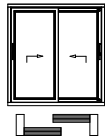
Pattern F



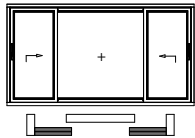
Pattern C



Pattern G2



Pattern D



Pattern K

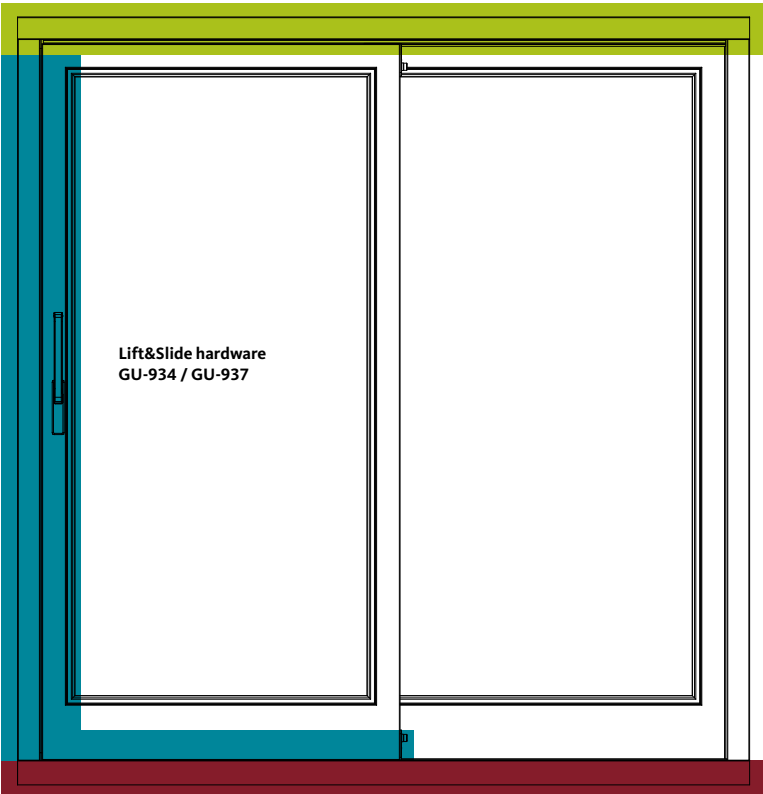
You can find more detailed information about this on page 517.

Sash thickness 56 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-timberstep 164

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-timberstep 164	2.2	194

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-timberstep 164	3.2	306

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 56 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1786



RC2

Application ranges

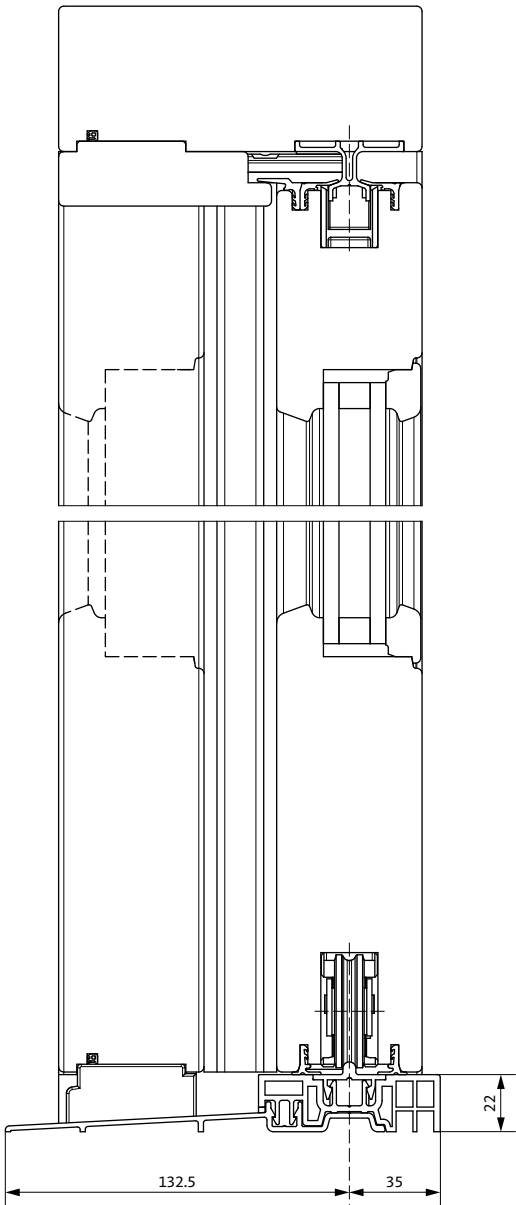
Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

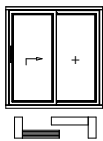
Technical documentation

Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

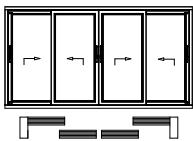
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



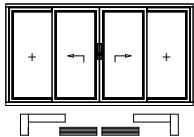
Possible patterns



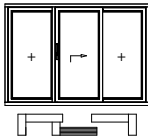
Pattern A



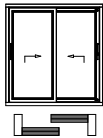
Pattern F



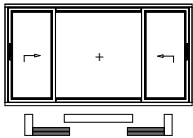
Pattern C



Pattern G2



Pattern D



Pattern K

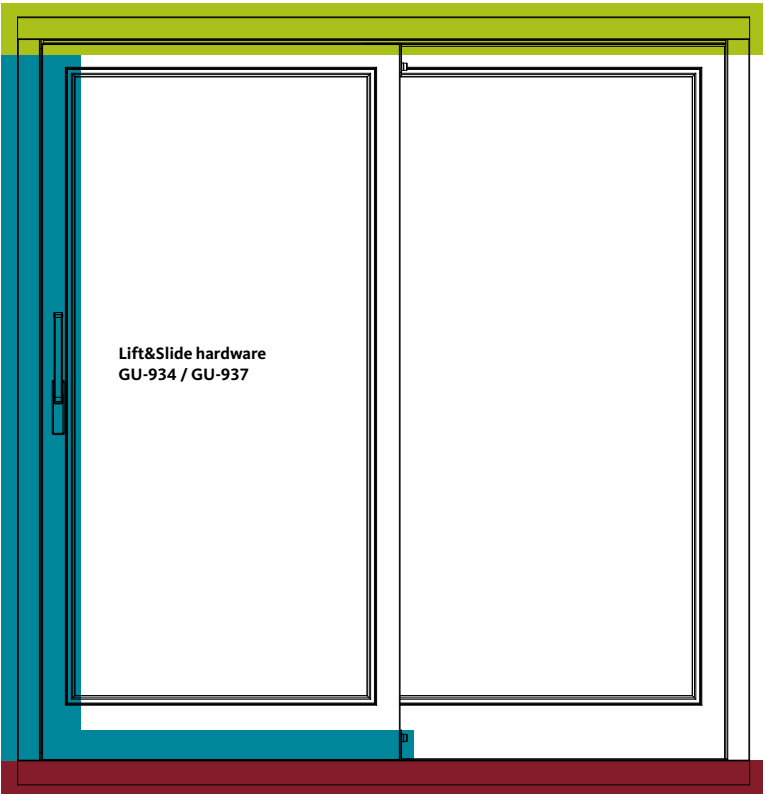
You can find more detailed information about this on page 517.

Sash thickness 56 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1786



Guide track P 1786



Threshold GU-flatstep 164

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-flatstep 164	2.2	170

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-flatstep 164	3.2	288

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 56 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1850 / P 2301



RC2

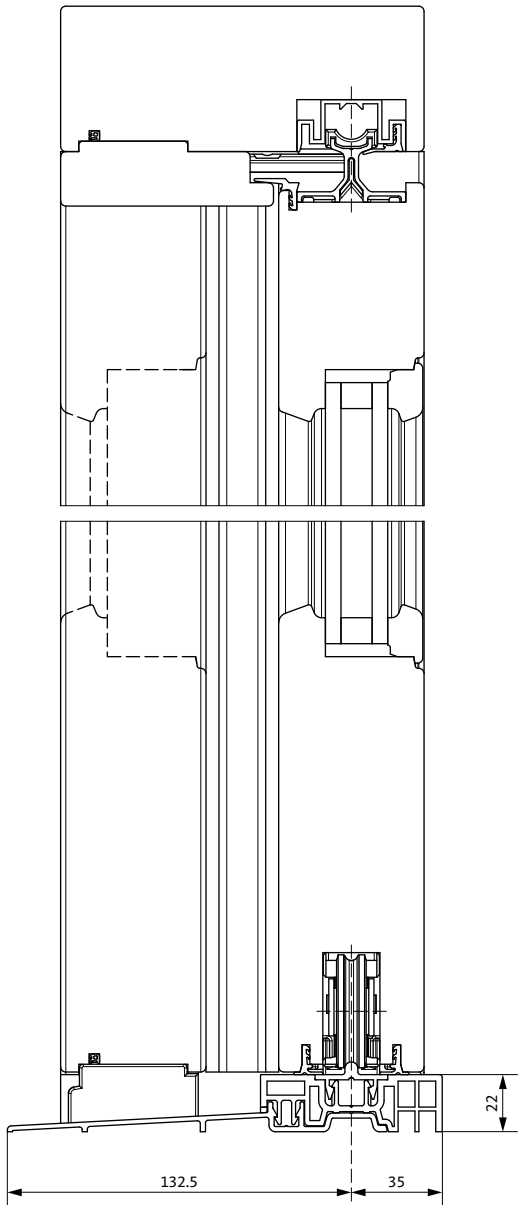
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

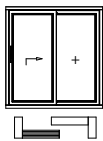
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / K	0-49408

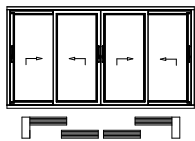
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



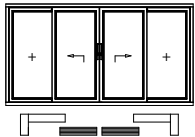
Possible patterns



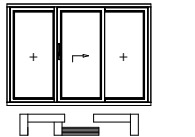
Pattern A



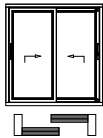
Pattern F



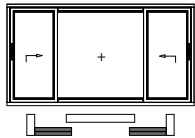
Pattern C



Pattern G2



Pattern D



Pattern K

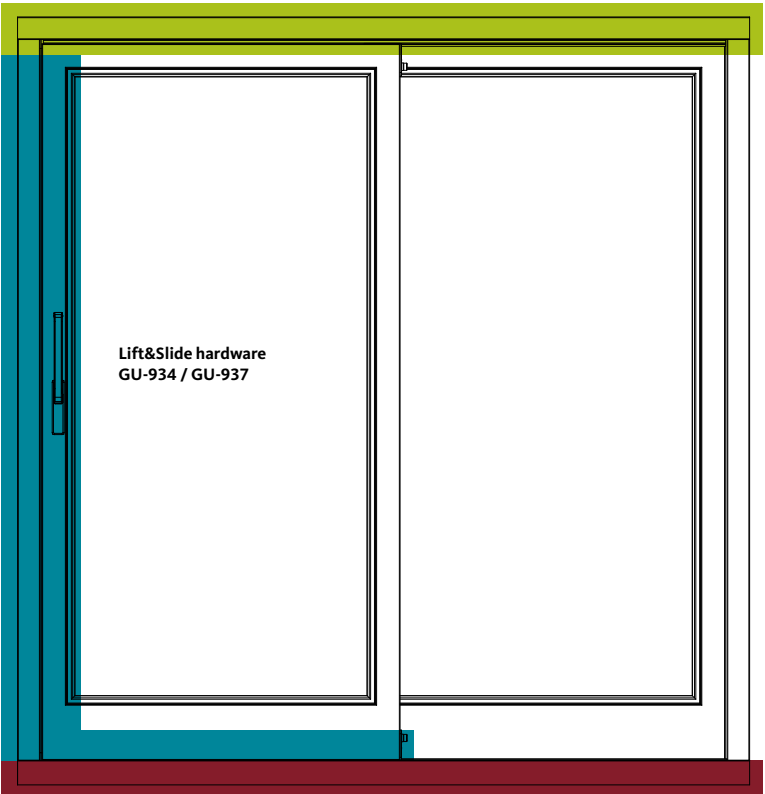
You can find more detailed information about this on page 517.

Sash thickness 56 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-flatstep 164

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-flatstep 164	2.2	170

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-flatstep 164	3.2	288

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 68 mm, GU-thermostep 164

Sash distance 10 mm – guide track P 1786



RC2

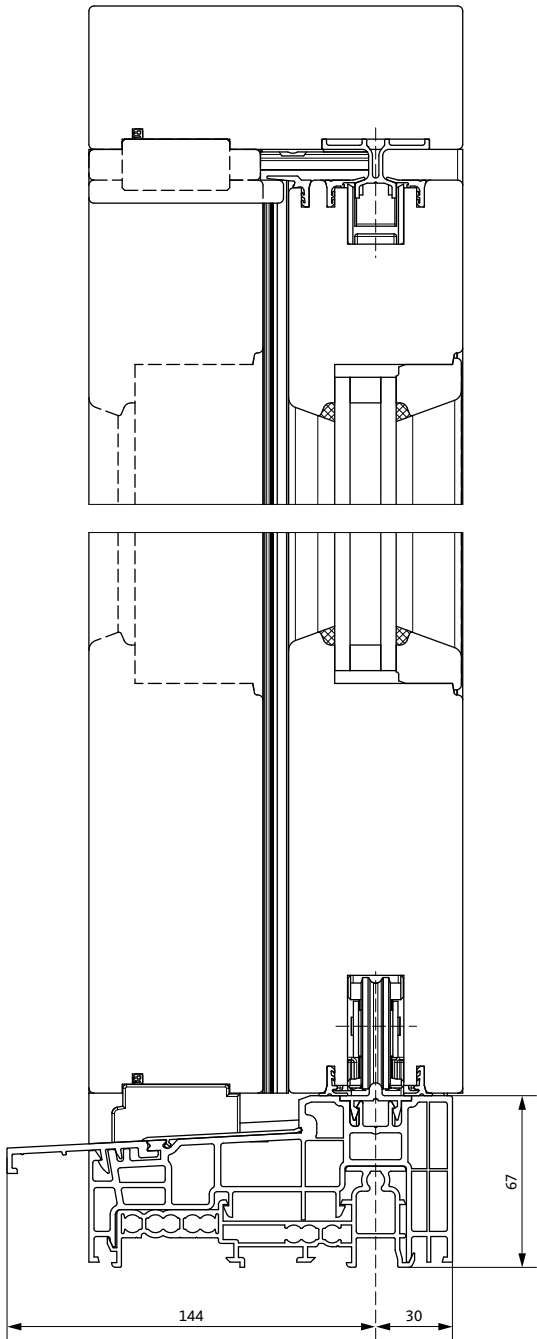
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

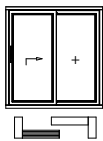
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

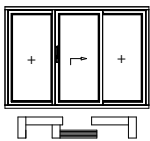
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



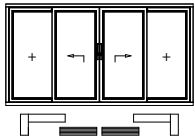
Possible patterns



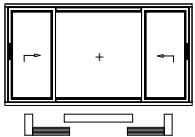
Pattern A



Pattern G2



Pattern C



Pattern K

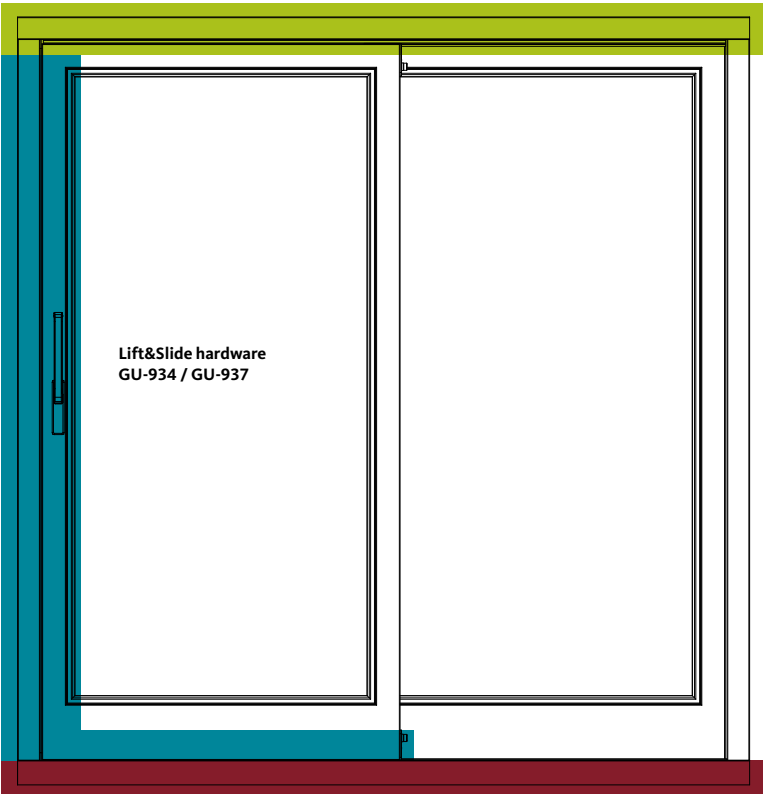
You can find more detailed information about this on page 517.

Sash thickness 68 mm, GU-thermostep 164

Sash distance 10 mm – guide track P 1786



Guide track P 1786



Threshold GU-thermostep 164

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-thermostep 164	2.2	138

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-thermostep 164	3.2	249

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 68 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1786



RC2

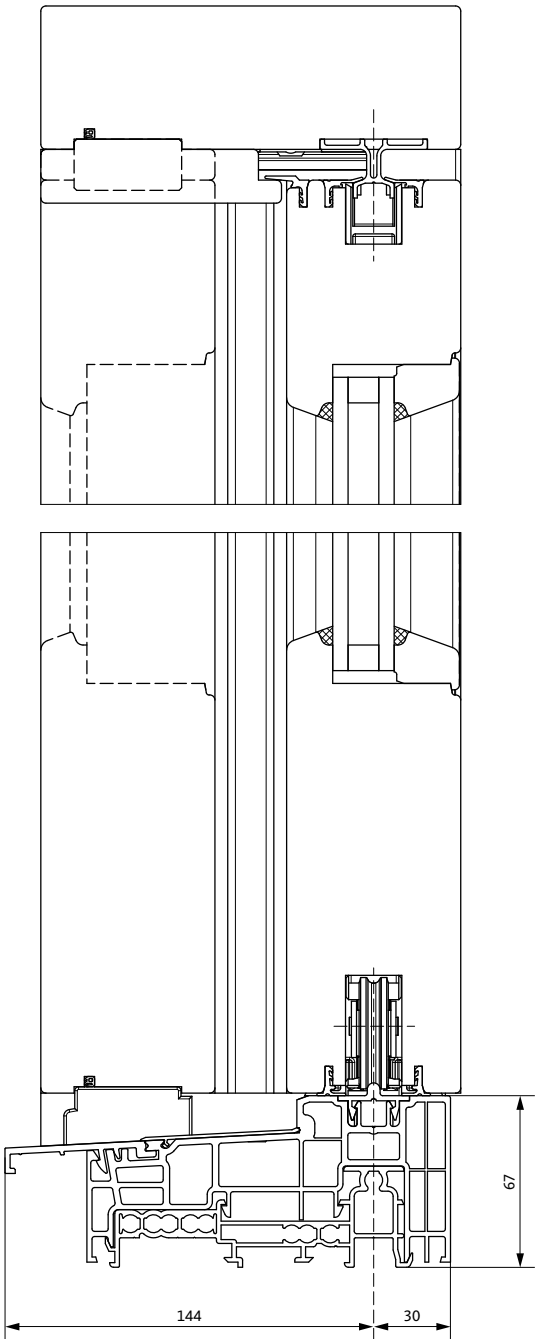
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

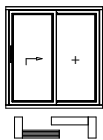
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

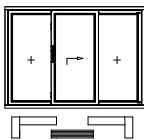
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



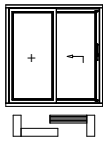
Possible patterns



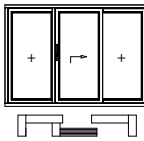
Pattern A



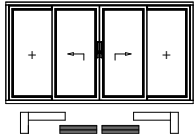
Pattern G1



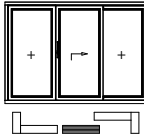
Pattern A3



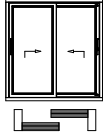
Pattern G2



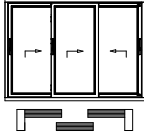
Pattern C



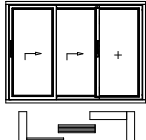
Pattern G3



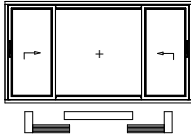
Pattern D



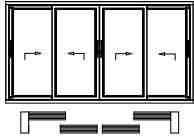
Pattern H



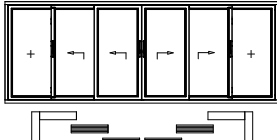
Pattern E



Pattern K



Pattern F



Pattern L

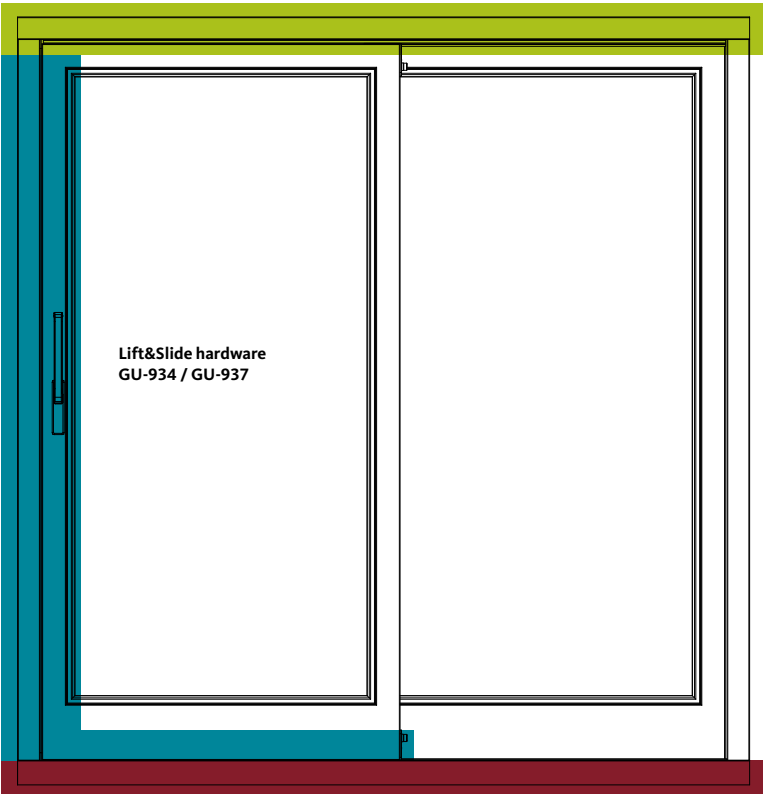
You can find more detailed information about this on page 517.

Sash thickness 68 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1786



Guide track P 1786



Threshold GU-thermostep 164

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-thermostep 164	2.2	144

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-thermostep 164	3.2	249

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 68 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1850 / P 2301



RC2

Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

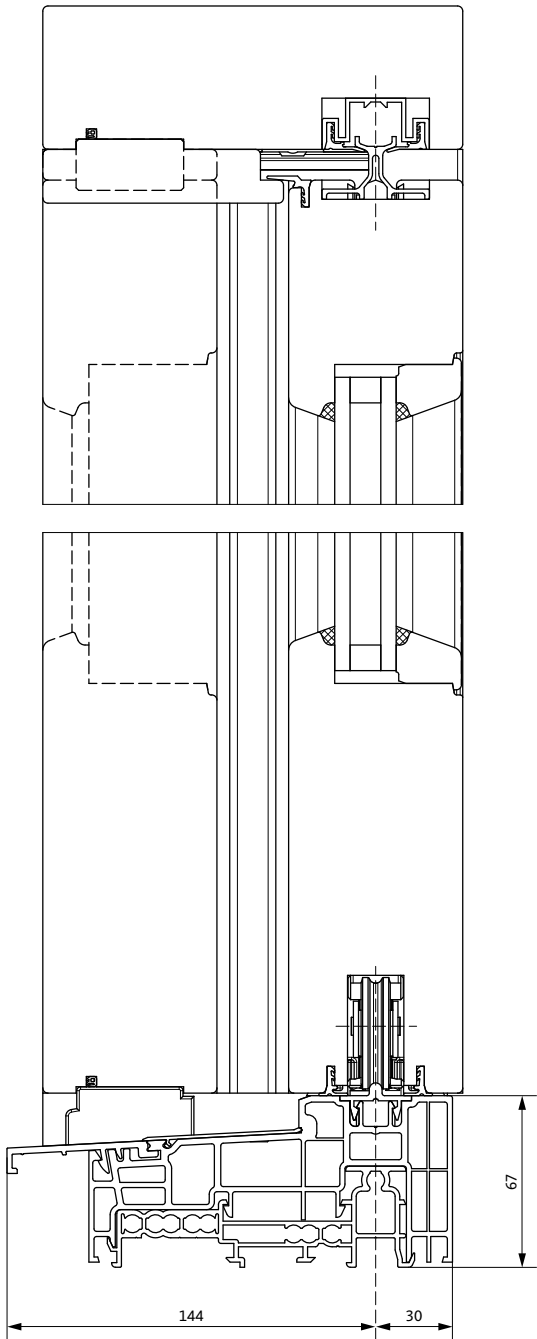
SH : SW = 2.5 : 1

Technical documentation

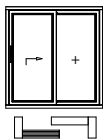
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / G3 / K	0-49408

Note on RC 2:

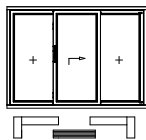
for tested patterns please refer to our "System file RC2 Timber".



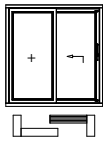
Possible patterns



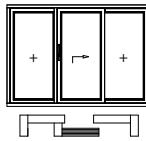
Pattern A



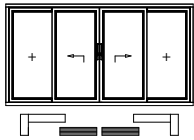
Pattern G1



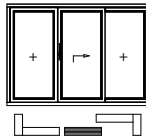
Pattern A3



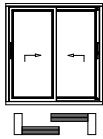
Pattern G2



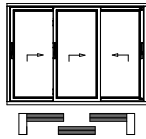
Pattern C



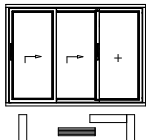
Pattern G3



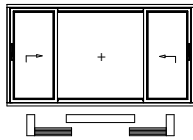
Pattern D



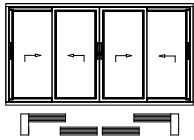
Pattern H



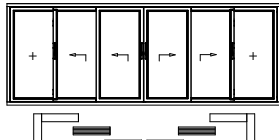
Pattern E



Pattern K



Pattern F



Pattern L

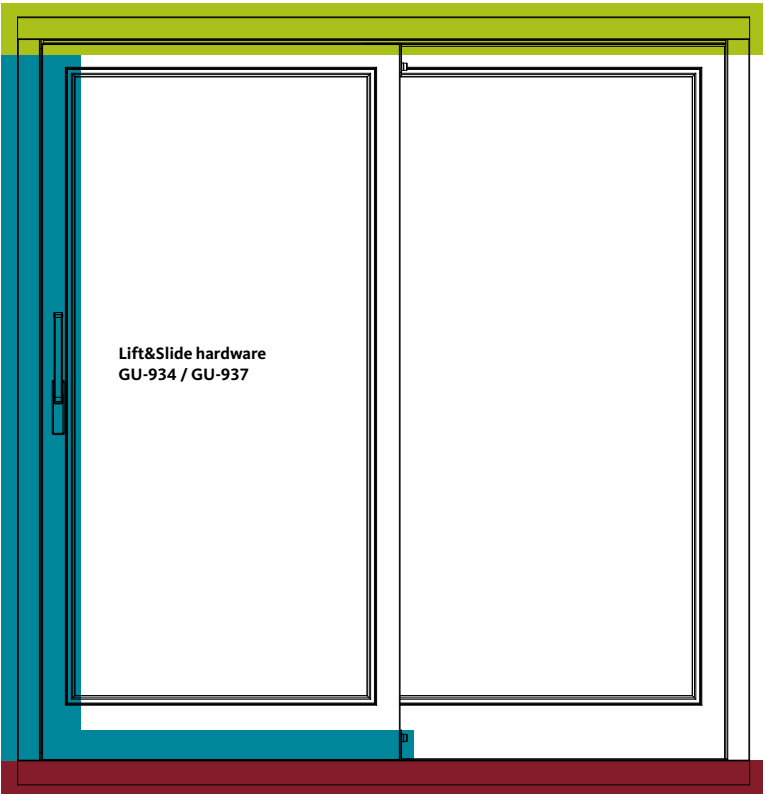
You can find more detailed information about this on page 517.

Sash thickness 68 mm, GU-thermostep 164

Sash distance 28 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-thermostep 164

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112
Threshold	Chapters	From page
GU-thermostep 164	2.2	144
Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210
Threshold	Chapters	From page
GU-thermostep 164	3.2	249
Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324
Description	Chapters	From page
Individual seals and gasket profiles	3.4	326
Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 68 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1786



RC2

Application ranges

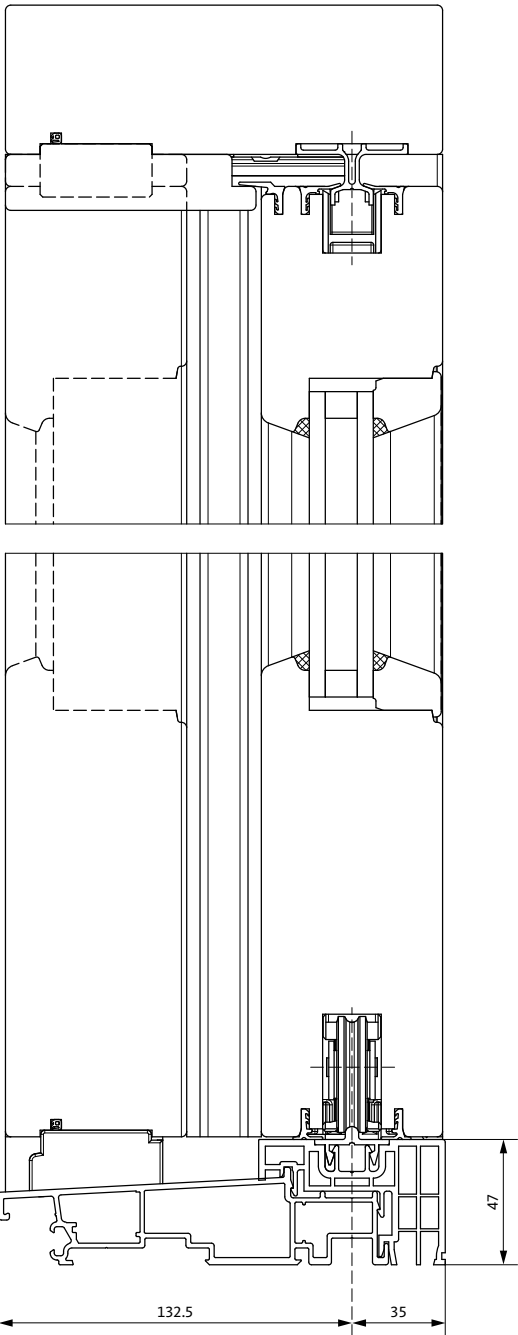
Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

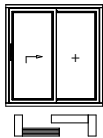
Technical documentation

Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

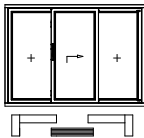
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



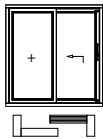
Possible patterns



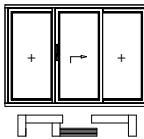
Pattern A



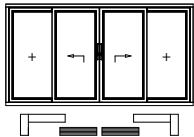
Pattern G1



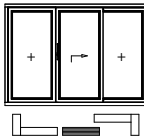
Pattern A3



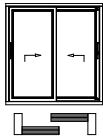
Pattern G2



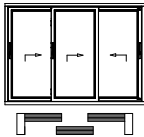
Pattern C



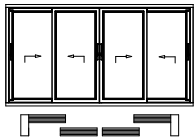
Pattern G3



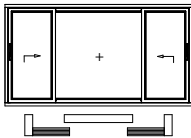
Pattern D



Pattern H



Pattern F



Pattern K

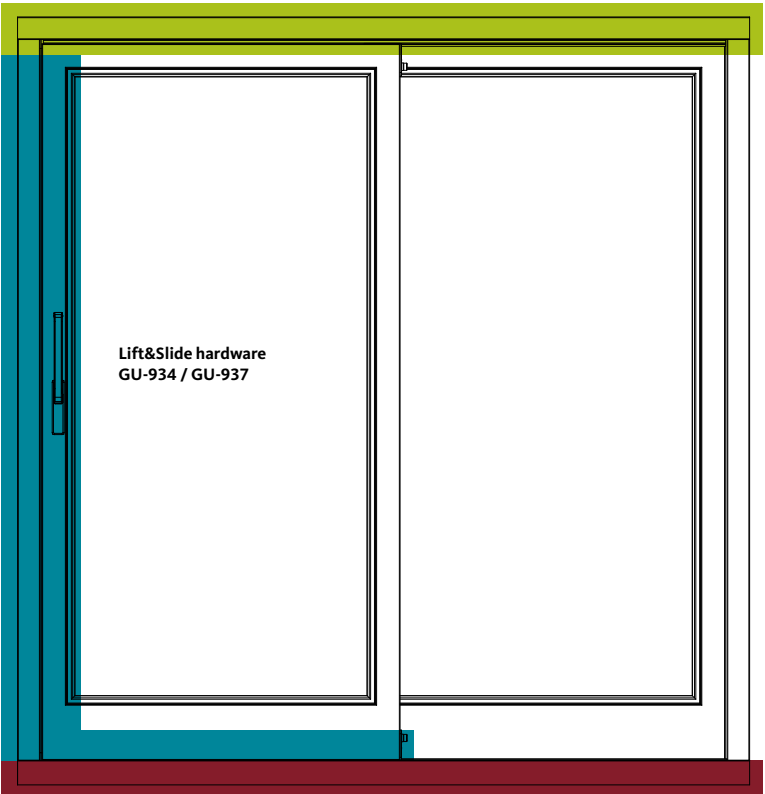
You can find more detailed information about this on page 517.

Sash thickness 68 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1786



Guide track P 1786



Threshold GU-threshold 47

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-threshold 47	2.2	154

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-threshold 47	3.2	269

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 68 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1850 / P 2301



RC2

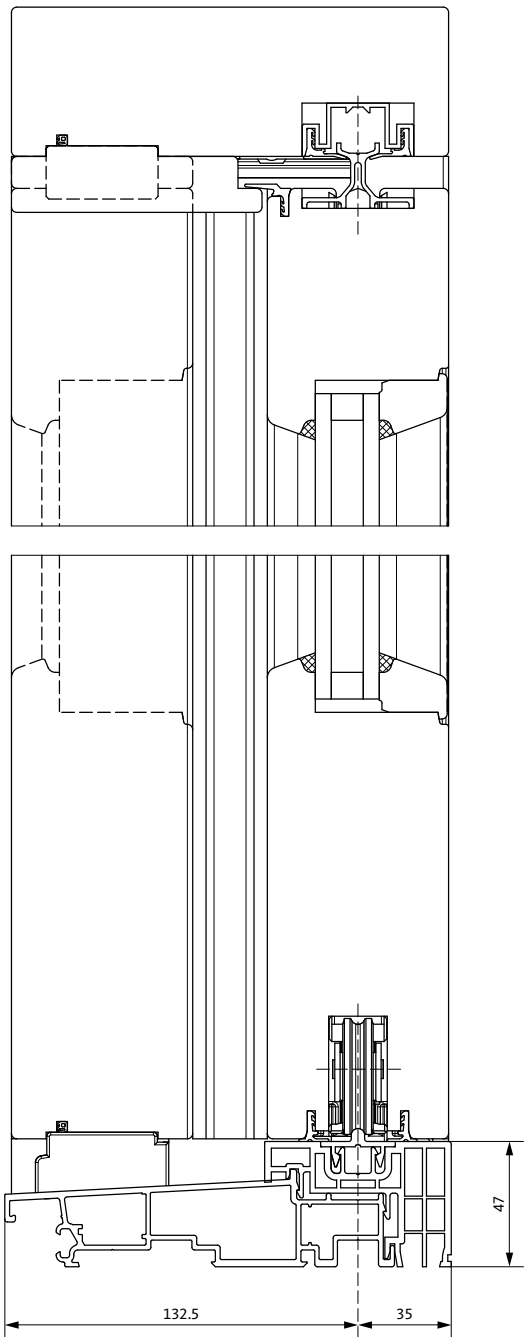
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / G3 / K	0-49408

Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



Possible patterns

Pattern A

Pattern G1

Pattern A3

Pattern G2

Pattern C

Pattern G3

Pattern D

Pattern H

Pattern F

Pattern K

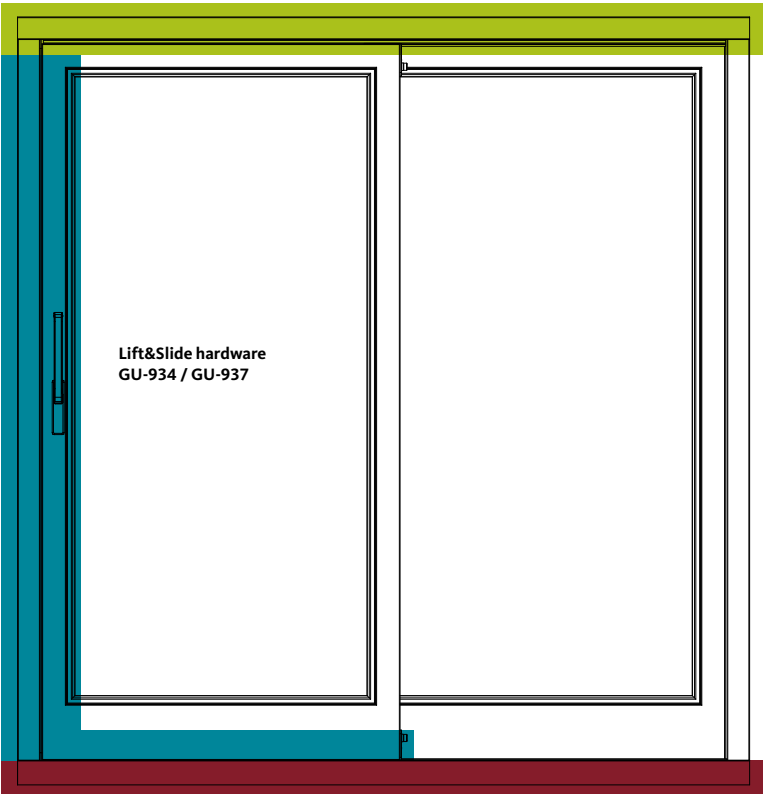
You can find more detailed information about this on page 517.

Sash thickness 68 mm, GU-threshold 47

Sash distance 28 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-threshold 47

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-threshold 47	2.2	154

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-threshold 47	3.2	269

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 68 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1786



RC2

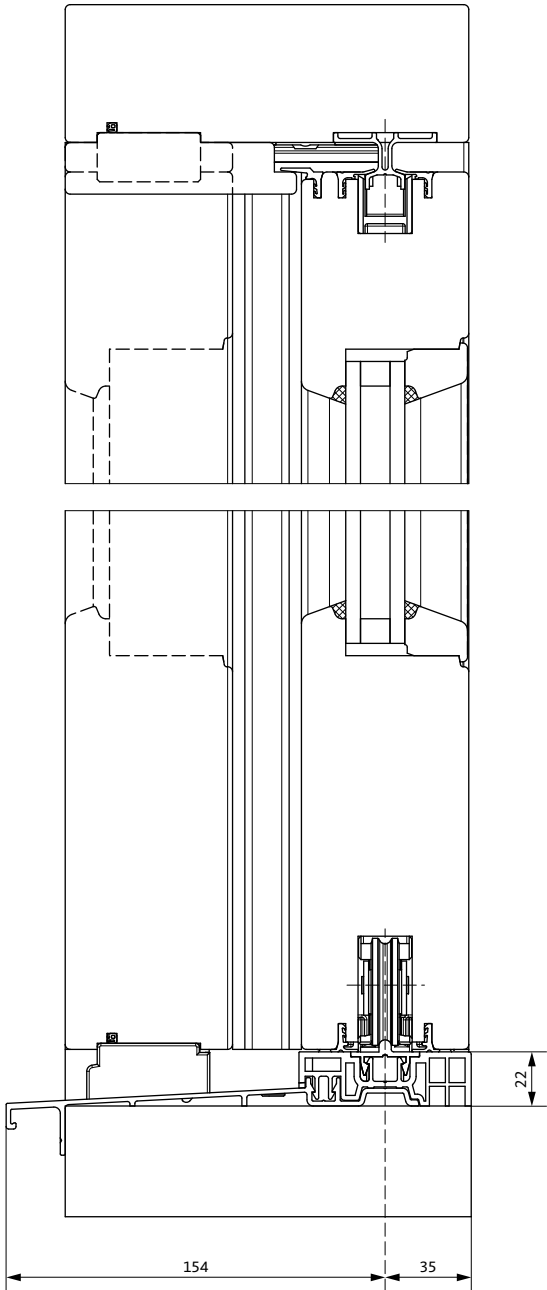
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

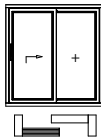
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

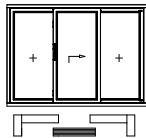
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



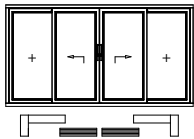
Possible patterns



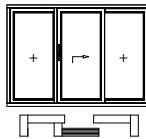
Pattern A



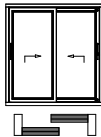
Pattern G1



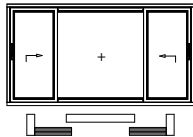
Pattern C



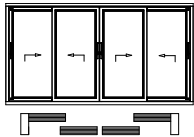
Pattern G2



Pattern D



Pattern K



Pattern F

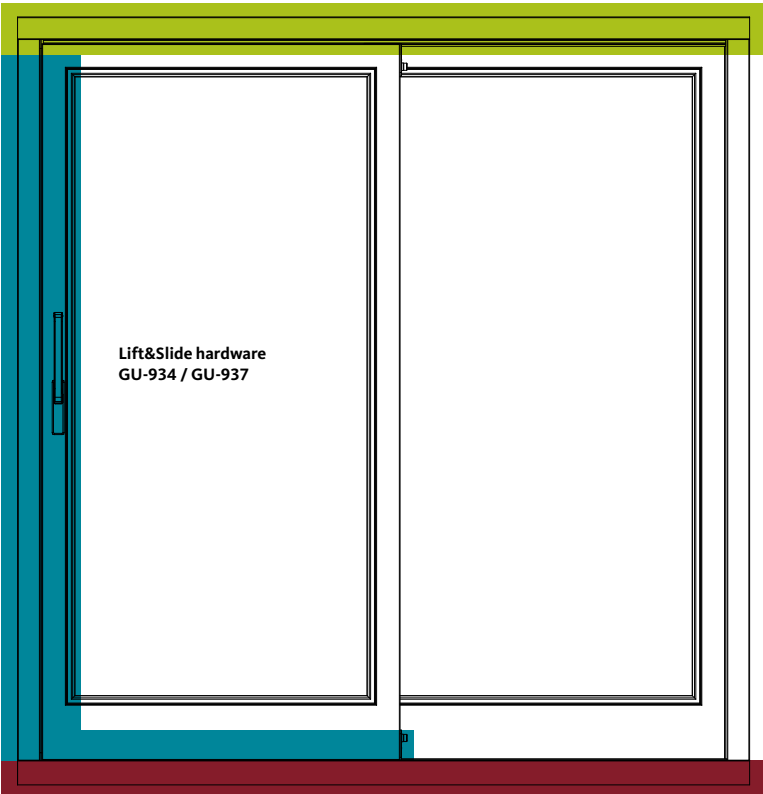
You can find more detailed information about this on page 517.

Sash thickness 68 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1786



Guide track P 1786



Threshold GU-timberstep 164

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-timberstep 164	2.2	198

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-timberstep 164	3.2	306

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 68 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1850 / P 2301



RC2

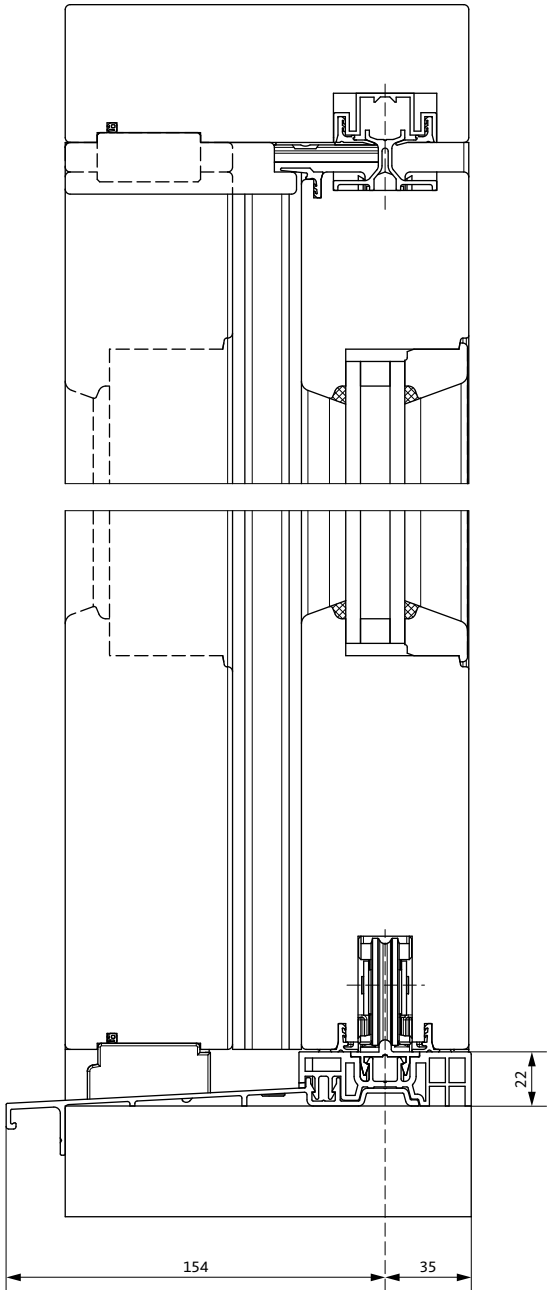
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

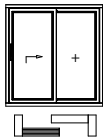
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / K	0-49408

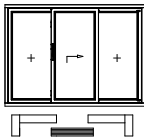
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



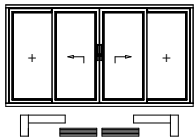
Possible patterns



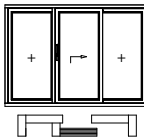
Pattern A



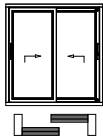
Pattern G1



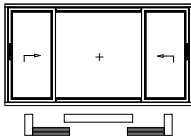
Pattern C



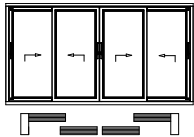
Pattern G2



Pattern D



Pattern K



Pattern F

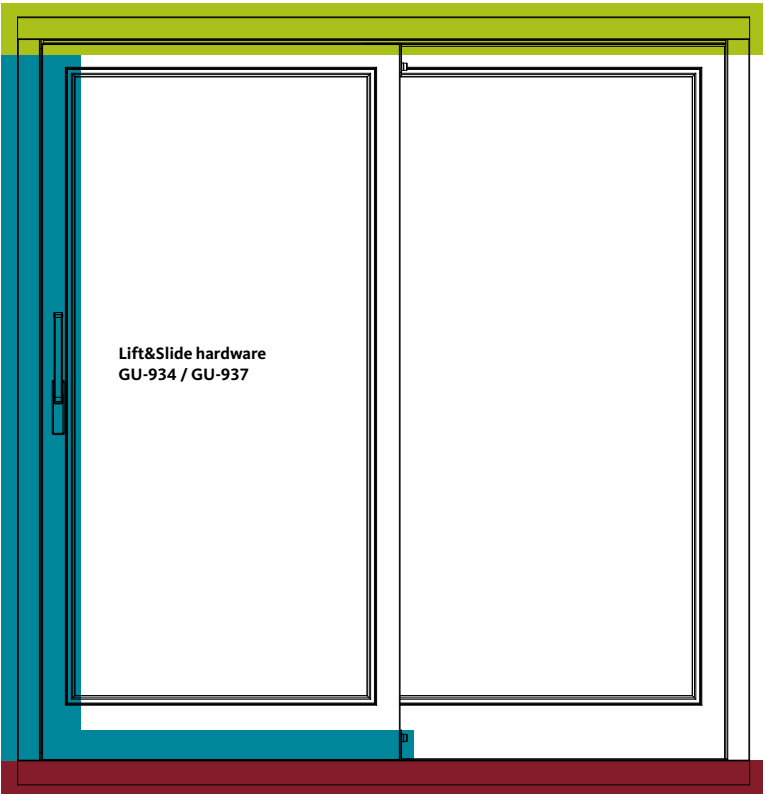
You can find more detailed information about this on page 517.

Sash thickness 68 mm, GU-timberstep 164

Sash distance 28 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-timberstep 164

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-timberstep 164	2.2	198

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-timberstep 164	3.2	306

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 68 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1786



RC2

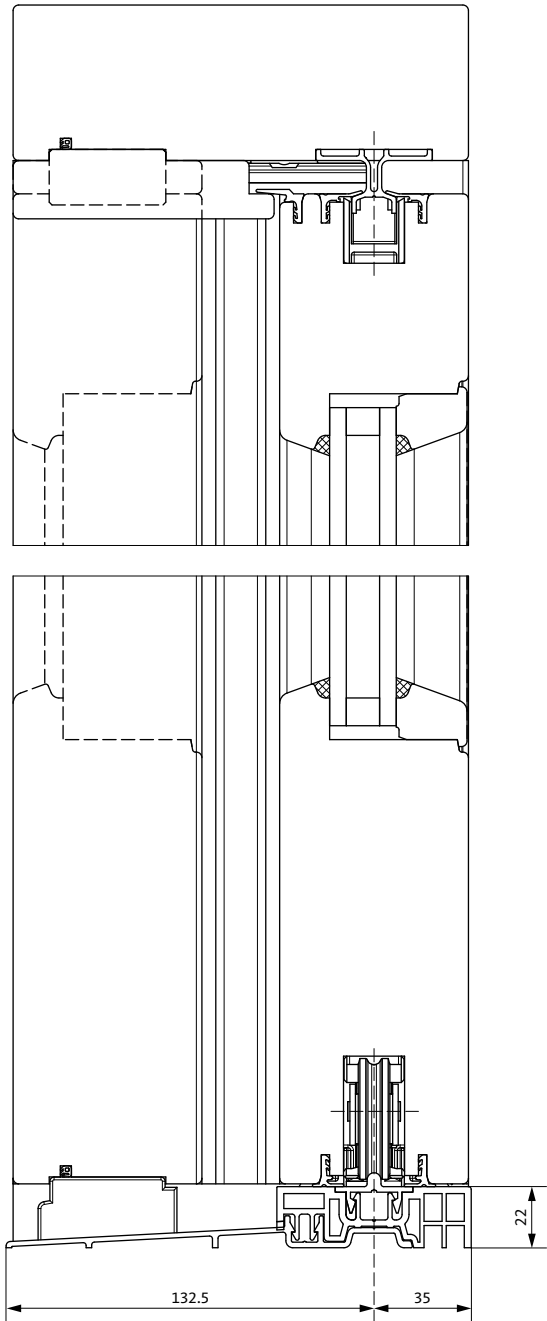
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

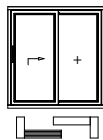
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

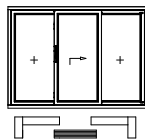
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



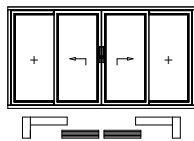
Possible patterns



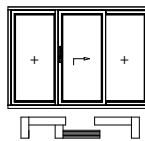
Pattern A



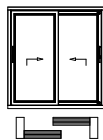
Pattern G1



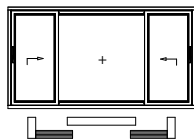
Pattern C



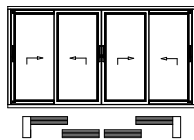
Pattern G2



Pattern D



Pattern K



Pattern F

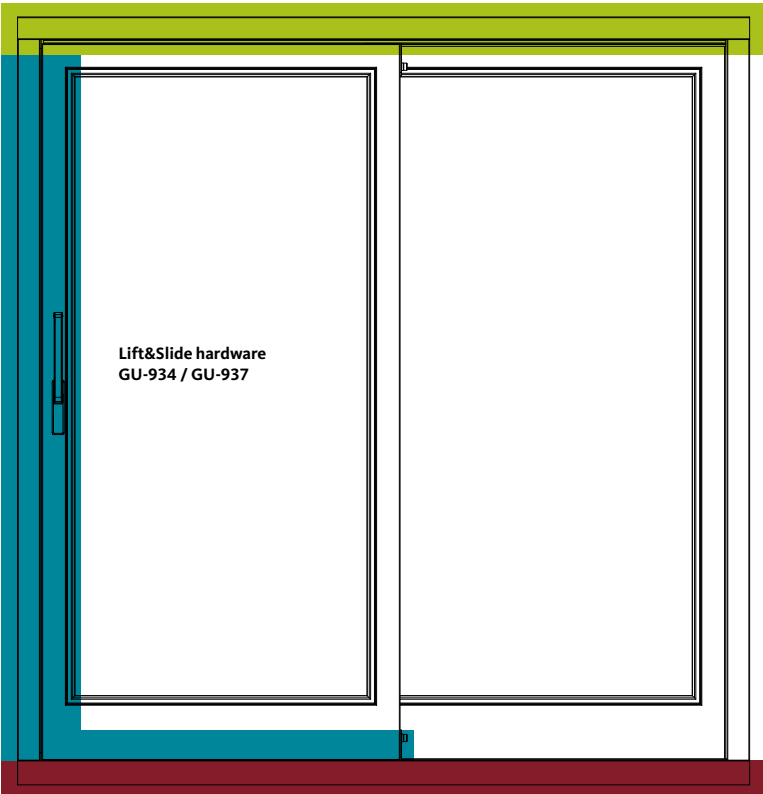
You can find more detailed information about this on page 517.

Sash thickness 68 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1786



Guide track P 1786



Threshold GU-flatstep 164

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-flatstep 164	2.2	174

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-flatstep 164	3.2	288

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 68 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1850 / P 2301



RC2

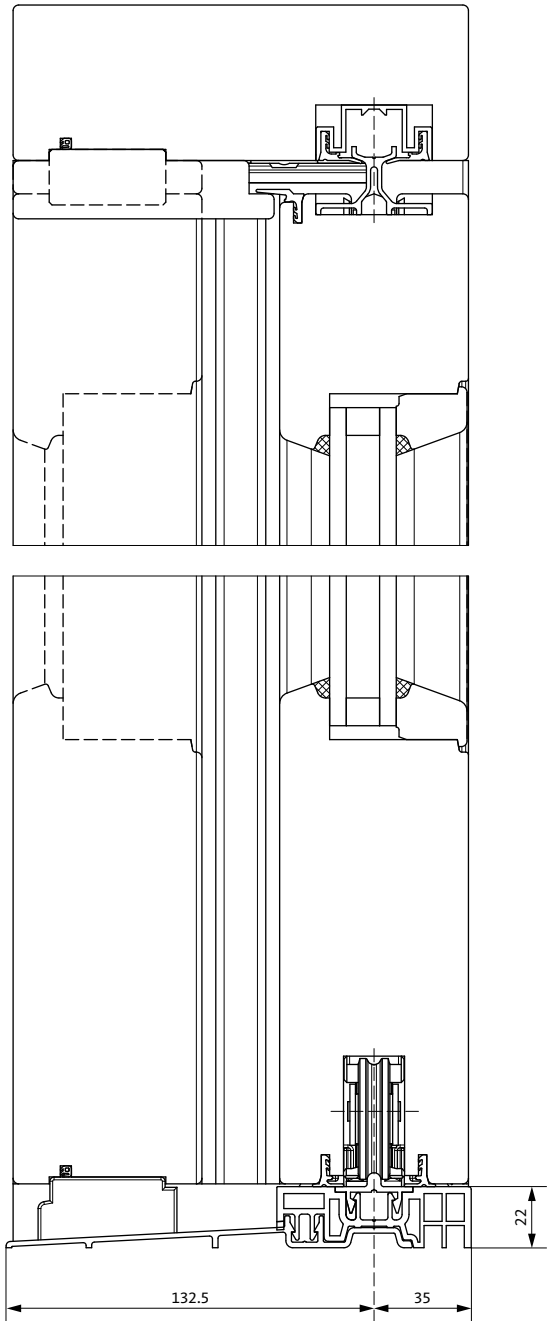
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

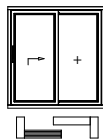
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / K	0-49408

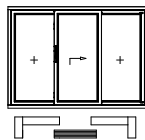
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



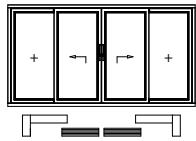
Possible patterns



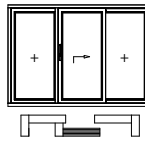
Pattern A



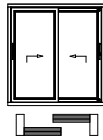
Pattern G1



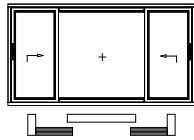
Pattern C



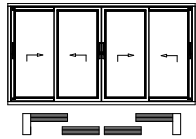
Pattern G2



Pattern D



Pattern K



Pattern F

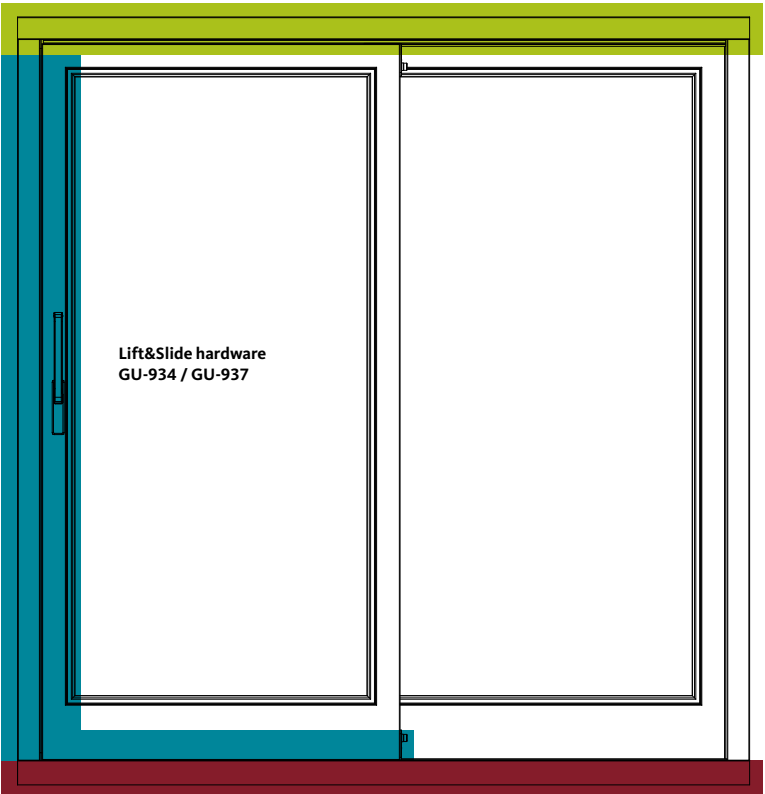
You can find more detailed information about this on page 517.

Sash thickness 68 mm, GU-flatstep 164

Sash distance 28 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-flatstep 164

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-flatstep 164	2.2	174

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-flatstep 164	3.2	288

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 78 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1786



RC2

Application ranges

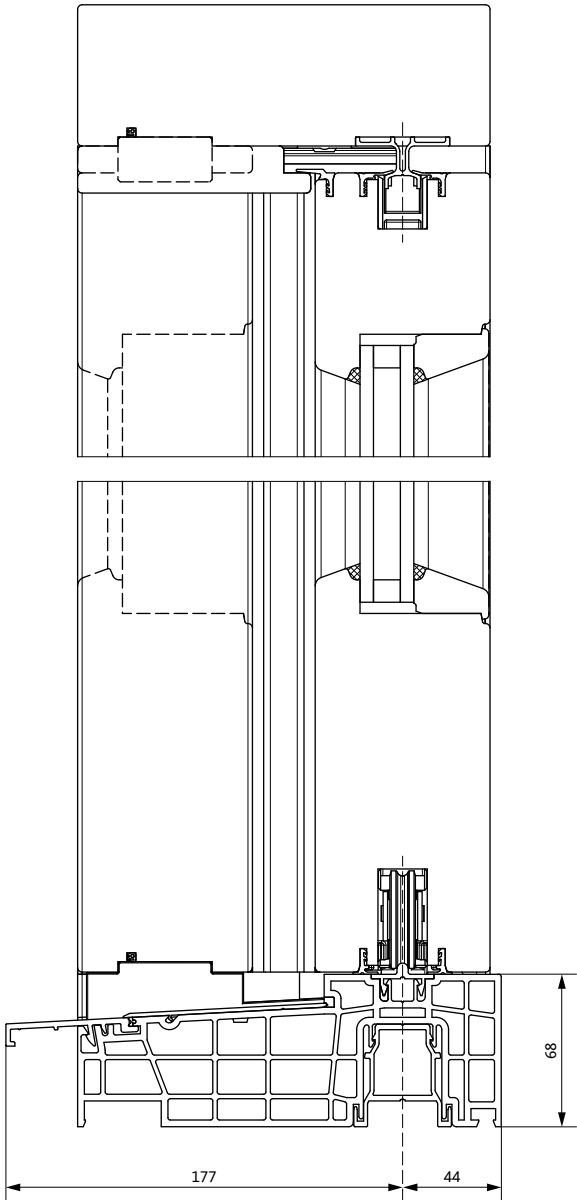
Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

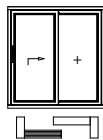
Technical documentation

Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

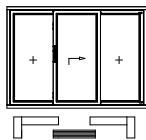
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



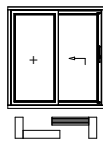
Possible patterns



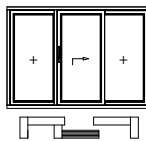
Pattern A



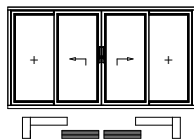
Pattern G1



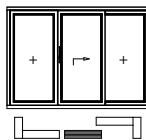
Pattern A3



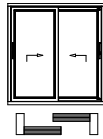
Pattern G2



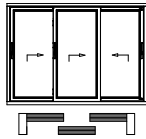
Pattern C



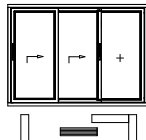
Pattern G3



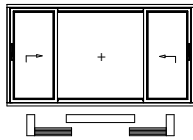
Pattern D



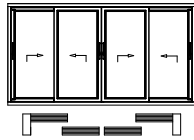
Pattern H



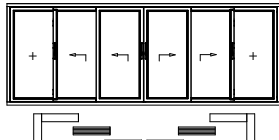
Pattern E



Pattern K



Pattern F



Pattern L

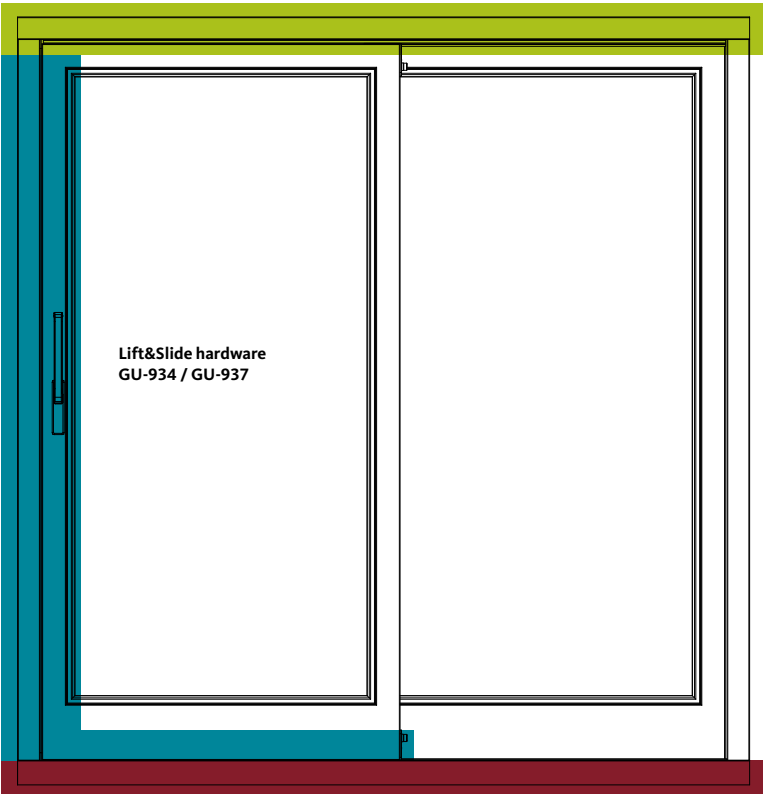
You can find more detailed information about this on page 517.

Sash thickness 78 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1786



Guide track P 1786



Threshold GU-thermostep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112
Threshold	Chapters	From page
GU-thermostep 204	2.2	116
Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210
Threshold	Chapters	From page
GU-thermostep 204	3.2	232
Guide track	Chapters	From page
P 1786	3.3	318
Description	Chapters	From page
Individual seals and gasket profiles	3.4	326
Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 78 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1850 / P 2301



RC2

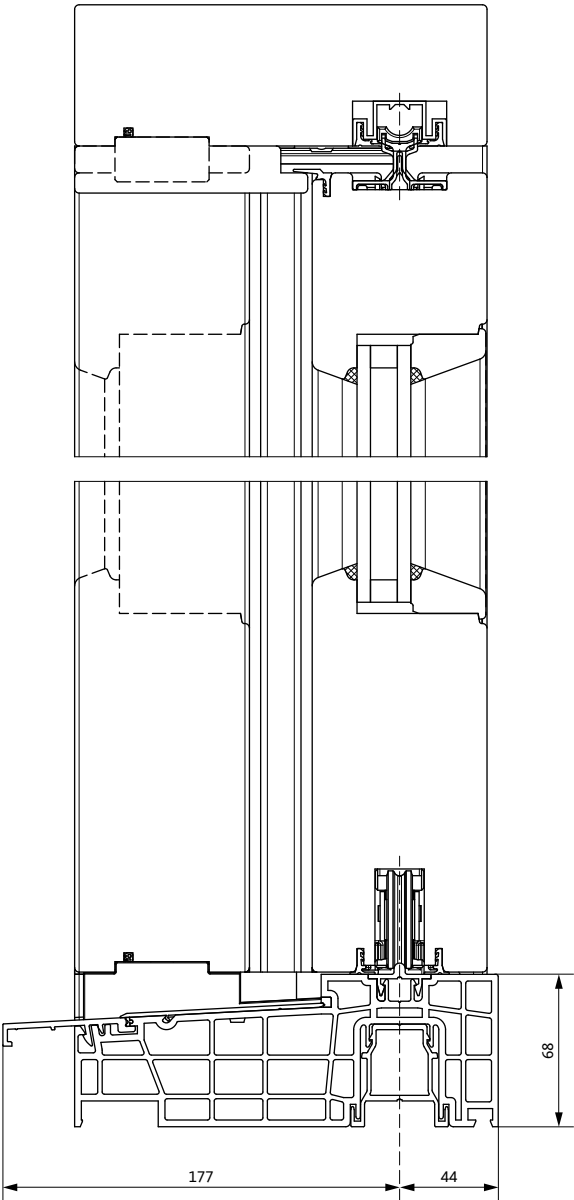
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / G3 / K	0-49408

Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



Possible patterns

Pattern A

Pattern G1

Pattern A3

Pattern G2

Pattern C

Pattern G3

Pattern D

Pattern H

Pattern E

Pattern K

Pattern F

Pattern L

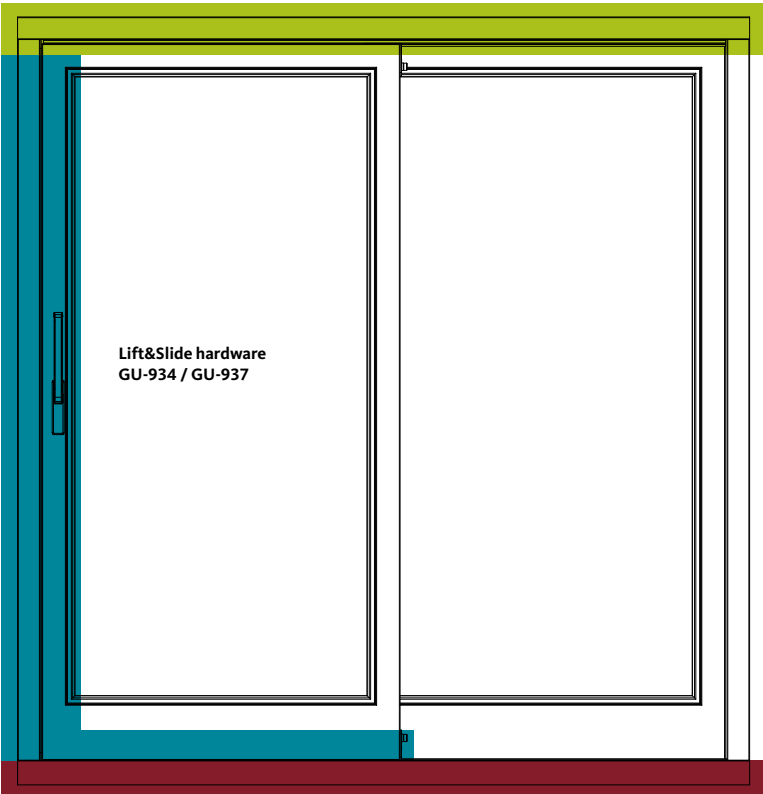
You can find more detailed information about this on page 517.

Sash thickness 78 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-thermostep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-thermostep 204	2.2	116

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-thermostep 204	3.2	232

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 78 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1786



RC2

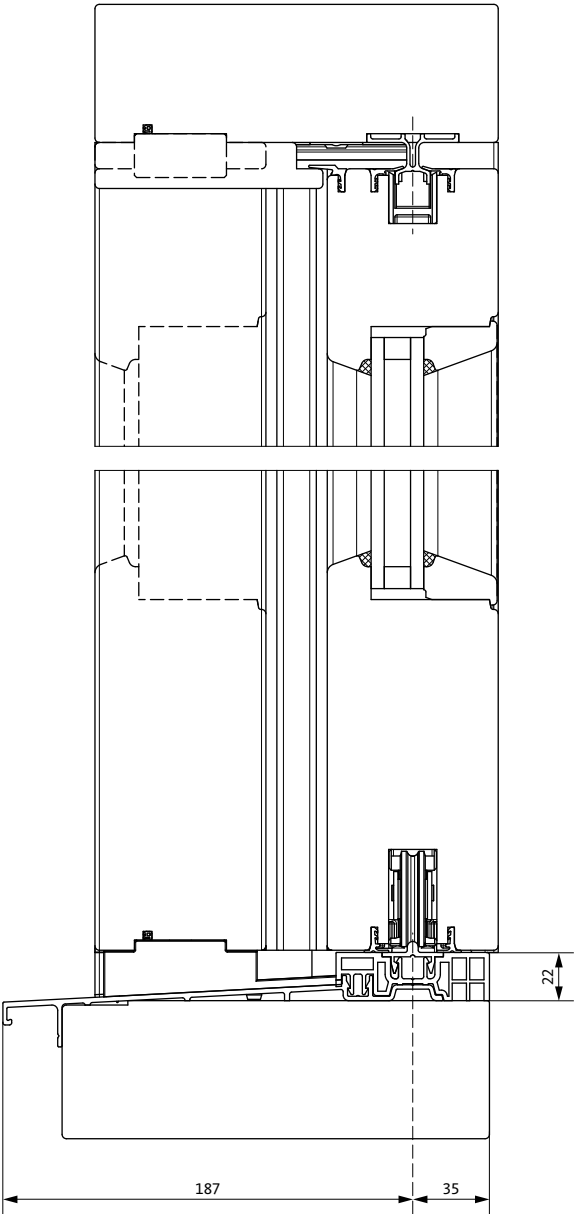
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

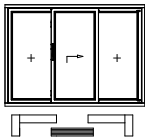
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



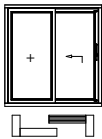
Possible patterns



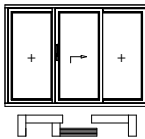
Pattern A



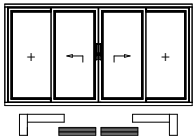
Pattern G1



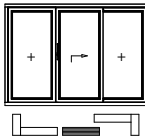
Pattern A3



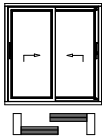
Pattern G2



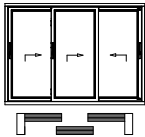
Pattern C



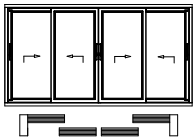
Pattern G3



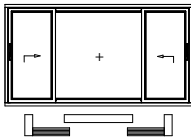
Pattern D



Pattern H



Pattern F



Pattern K

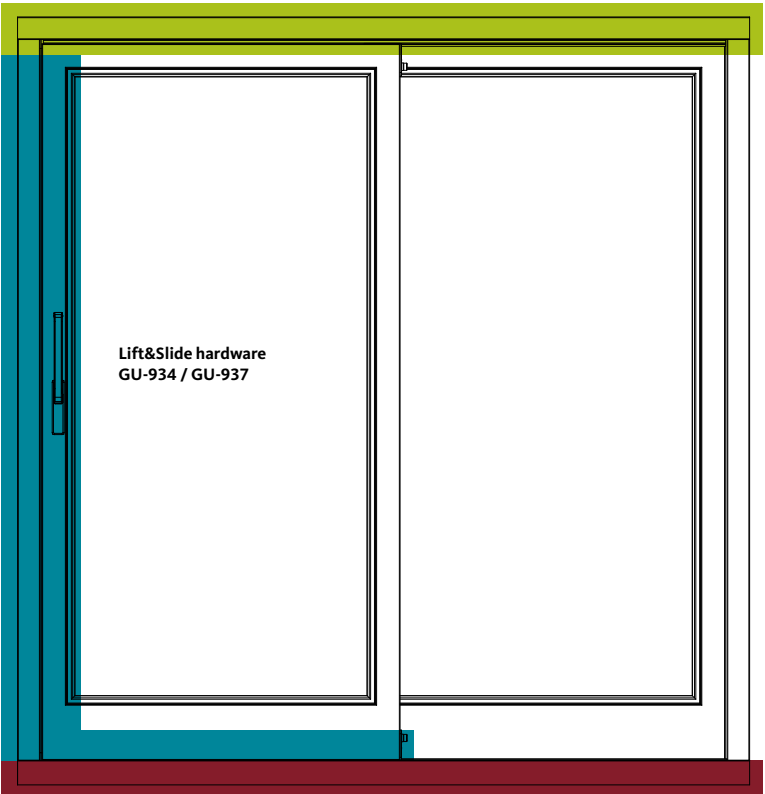
You can find more detailed information about this on page 517.

Sash thickness 78 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1786



Guide track P 1786



Threshold GU-timberstep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-timberstep 204	2.2	178

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-timberstep 204	3.2	297

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 78 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1850 / P 2301



RC2

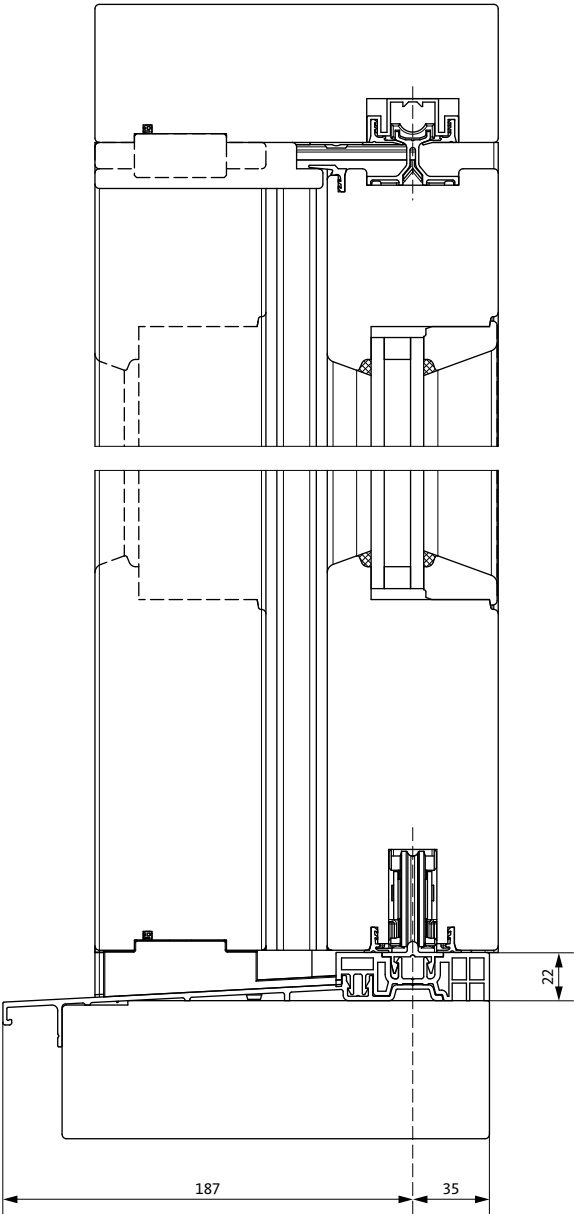
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / G3 / K	0-49408

Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



Possible patterns

Pattern A

Pattern G1

Pattern A3

Pattern G2

Pattern C

Pattern G3

Pattern D

Pattern H

Pattern F

Pattern K

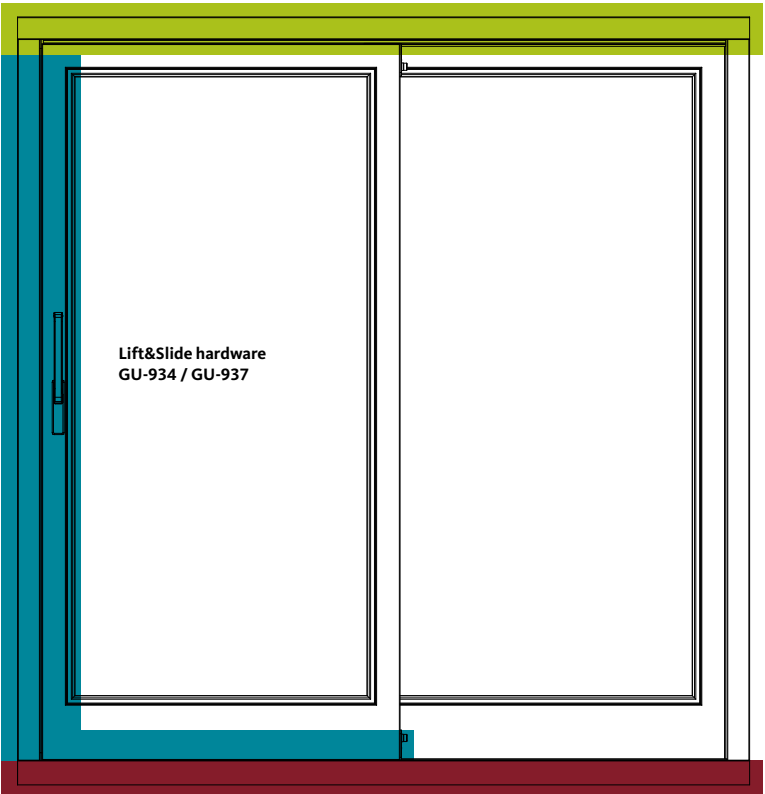
You can find more detailed information about this on page 517.

Sash thickness 78 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-timberstep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-timberstep 204	2.2	178

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-timberstep 204	3.2	297

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 88 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1786



RC2

Application ranges

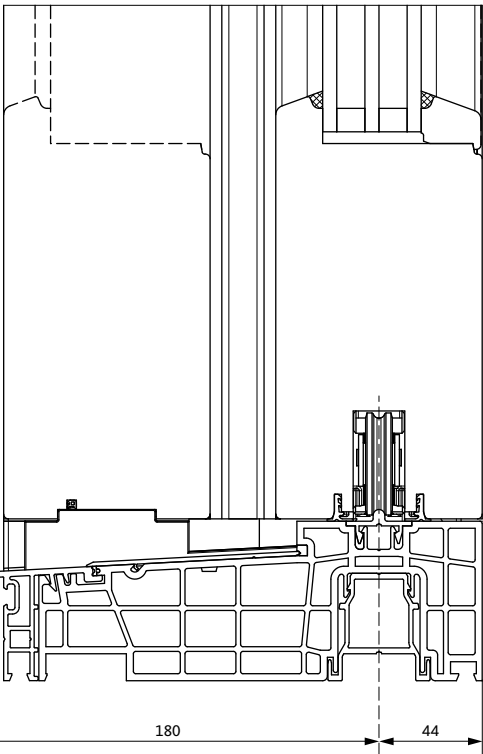
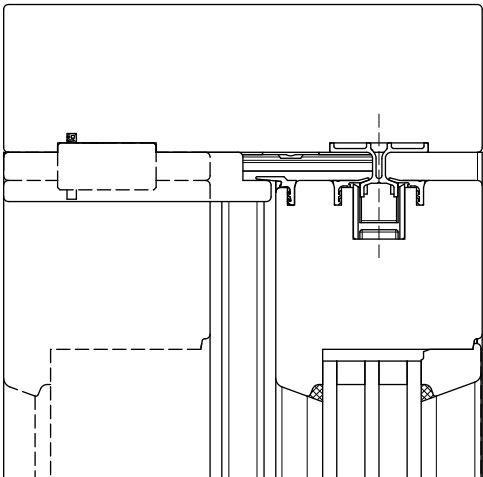
Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

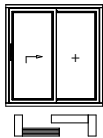
Technical documentation

Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

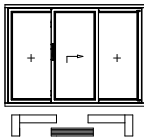
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



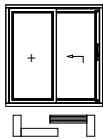
Possible patterns



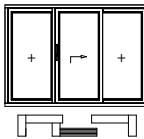
Pattern A



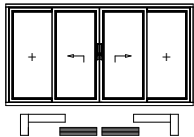
Pattern G1



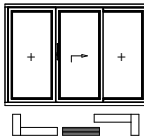
Pattern A3



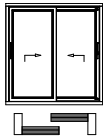
Pattern G2



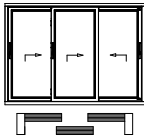
Pattern C



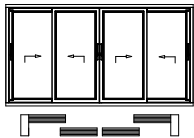
Pattern G3



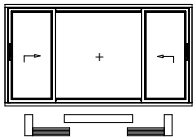
Pattern D



Pattern H



Pattern F



Pattern K

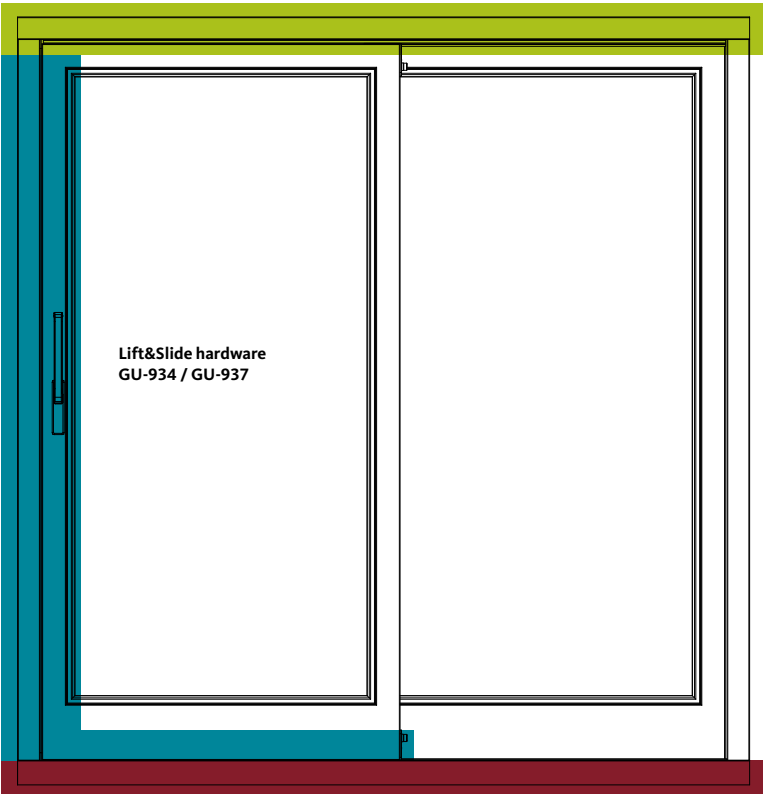
You can find more detailed information about this on page 517.

Sash thickness 88 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1786



Guide track P 1786



Threshold GU-thermostep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-thermostep 204	2.2	122

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-thermostep 204	3.2	232

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 88 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1850 / P 2301



RC2

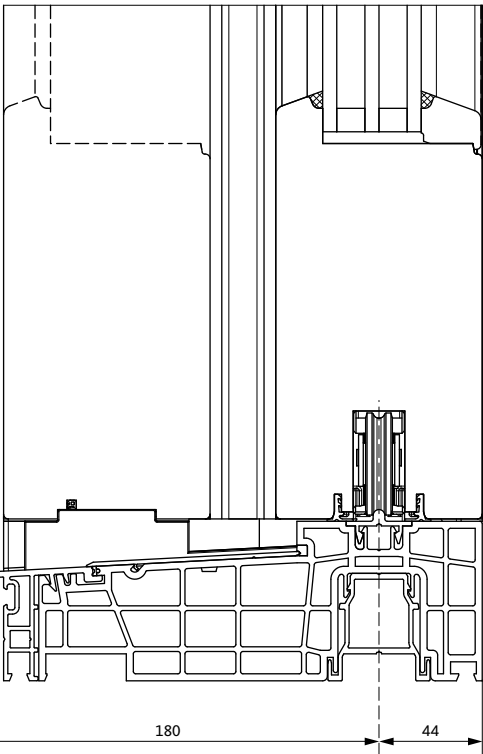
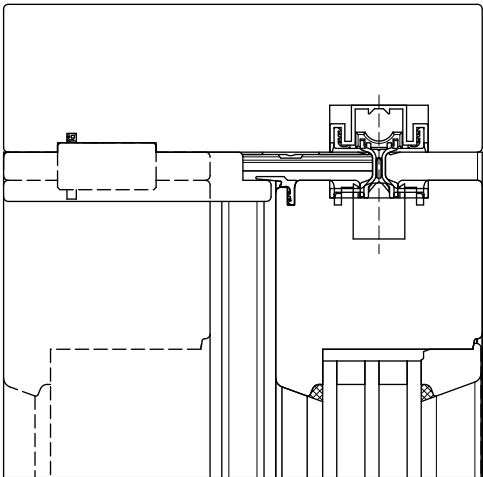
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

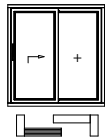
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / G3 / K	0-49408

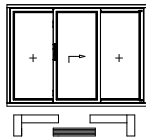
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



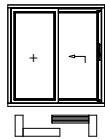
Possible patterns



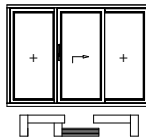
Pattern A



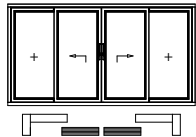
Pattern G1



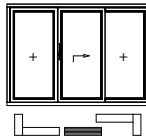
Pattern A3



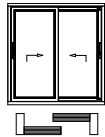
Pattern G2



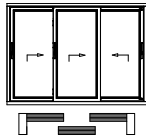
Pattern C



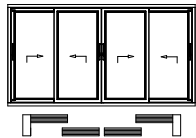
Pattern G3



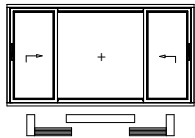
Pattern D



Pattern H



Pattern F



Pattern K

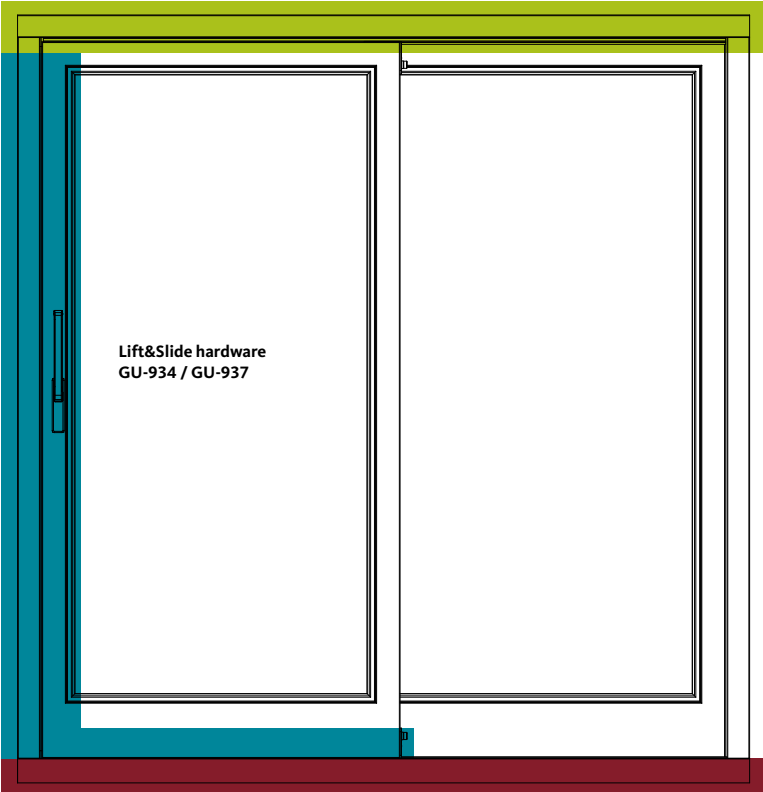
You can find more detailed information about this on page 517.

Sash thickness 88 mm, GU-thermostep 204

Sash distance 28 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-thermostep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-thermostep 204	2.2	122

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-thermostep 204	3.2	232

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 88 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1786



RC2

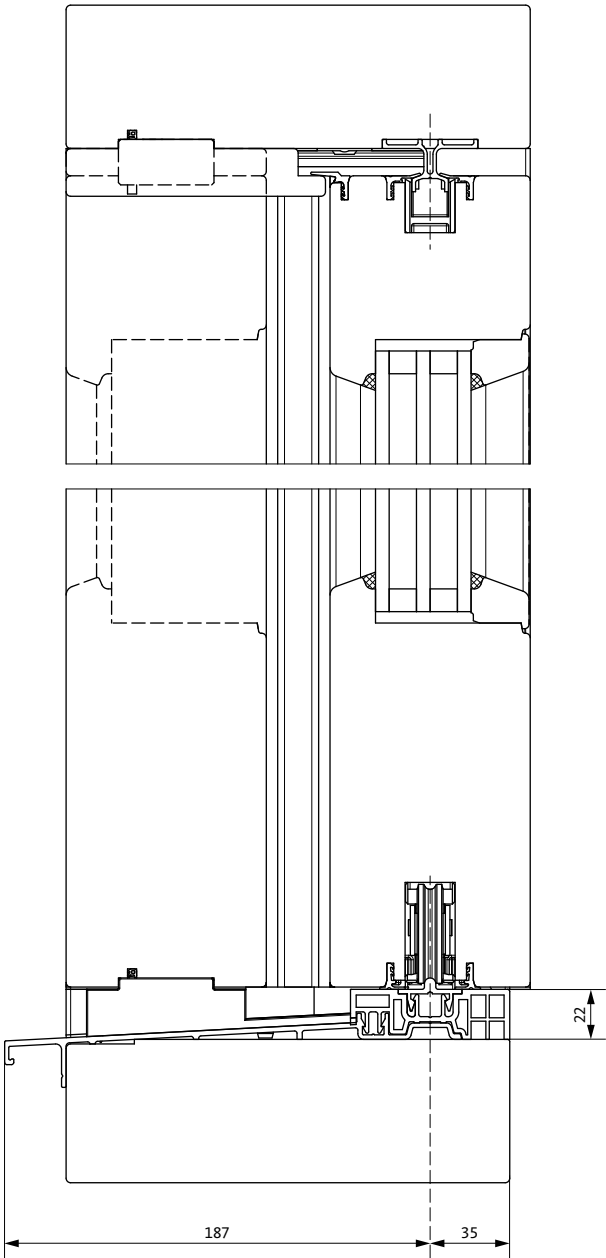
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



Possible patterns

Pattern A

Pattern G1

Pattern A3

Pattern G2

Pattern C

Pattern G3

Pattern D

Pattern H

Pattern F

Pattern K

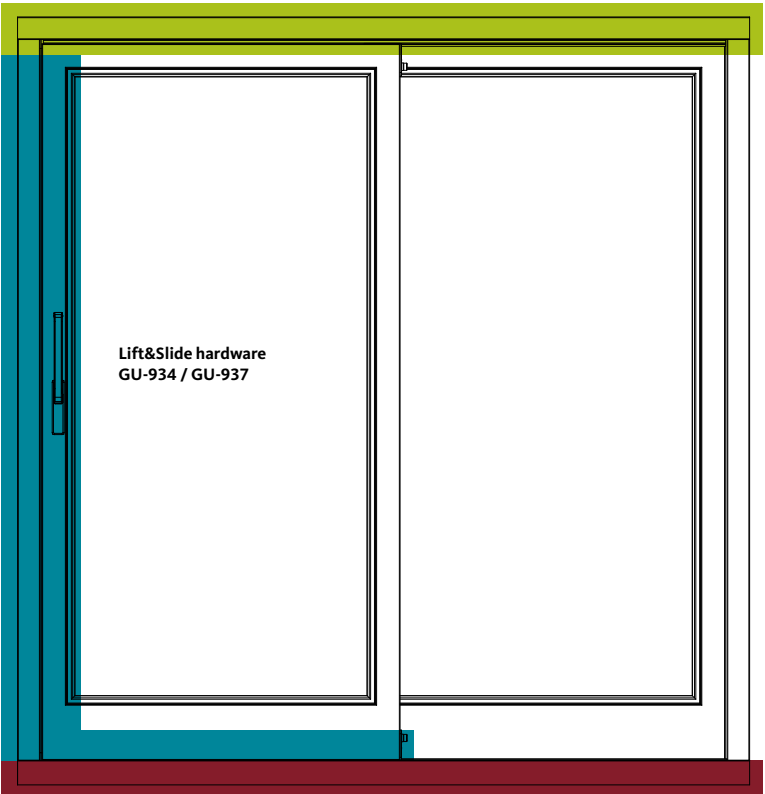
You can find more detailed information about this on page 517.

Sash thickness 88 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1786



Guide track P 1786



Threshold GU-timberstep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-timberstep 204	2.2	182

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-timberstep 204	3.2	297

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 88 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1850 / P 2301



RC2

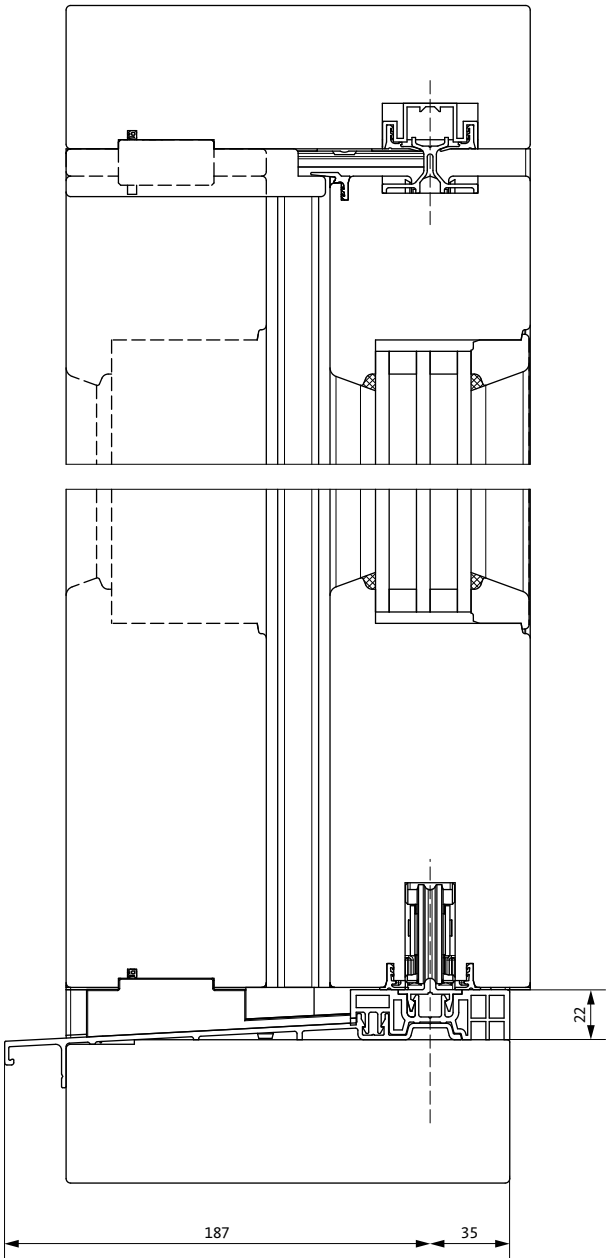
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

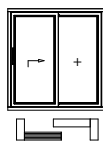
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / G3 / K	0-49408

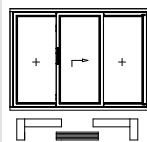
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



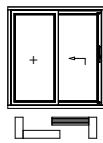
Possible patterns



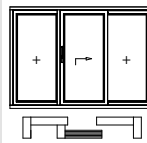
Pattern A



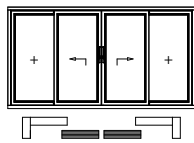
Pattern G1



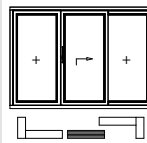
Pattern A3



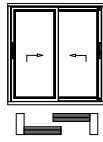
Pattern G2



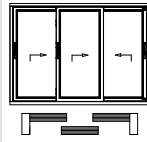
Pattern C



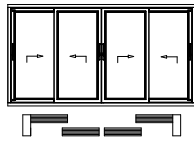
Pattern G3



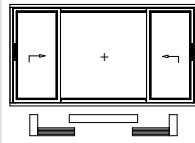
Pattern D



Pattern H



Pattern F



Pattern K

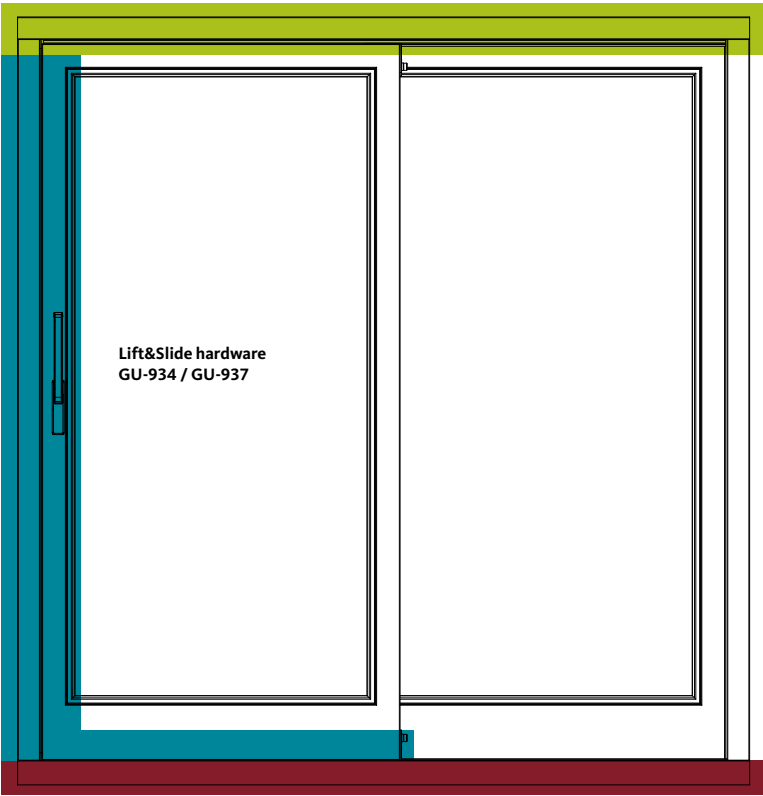
You can find more detailed information about this on page 517.

Sash thickness 88 mm, GU-timberstep 204

Sash distance 28 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-timberstep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-timberstep 204	2.2	182

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-timberstep 204	3.2	297

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 88 mm, GU-flatstep 222

Sash distance 28 mm, guide track P 1786



RC2

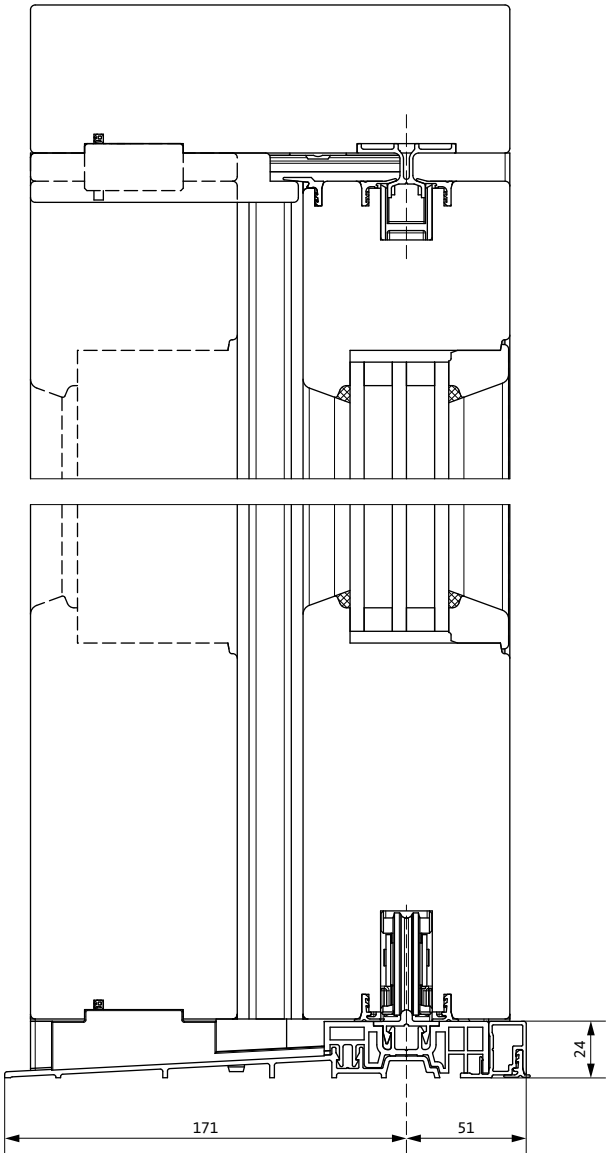
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



Possible patterns

Pattern A

Pattern G1

Pattern A3

Pattern G2

Pattern C

Pattern G3

Pattern D

Pattern H

Pattern F

Pattern K

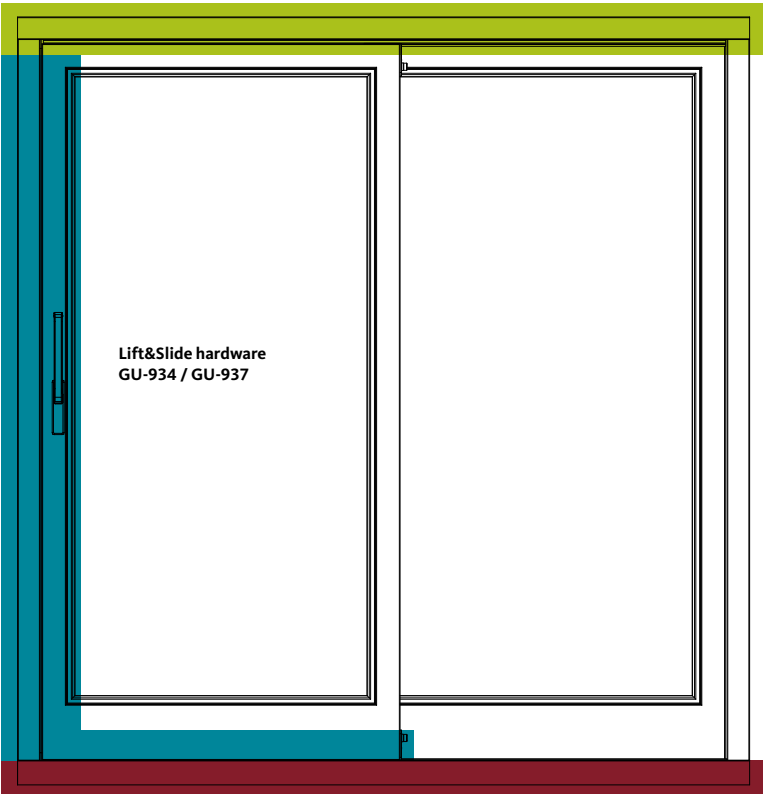
You can find more detailed information about this on page 517.

Sash thickness 88 mm, GU-flatstep 222

Sash distance 28 mm, guide track P 1786



Guide track P 1786



Threshold GU-flatstep 222

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112
Threshold	Chapters	From page
GU-flatstep 222	2.2	158
Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210
Threshold	Chapters	From page
GU-flatstep 222	3.2	280
Guide track	Chapters	From page
P 1786	3.3	318
Description	Chapters	From page
Individual seals and gasket profiles	3.4	326
Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 88 mm, GU-flatstep 222

Sash distance 28 mm, guide track P 1850 / P 2301



RC2

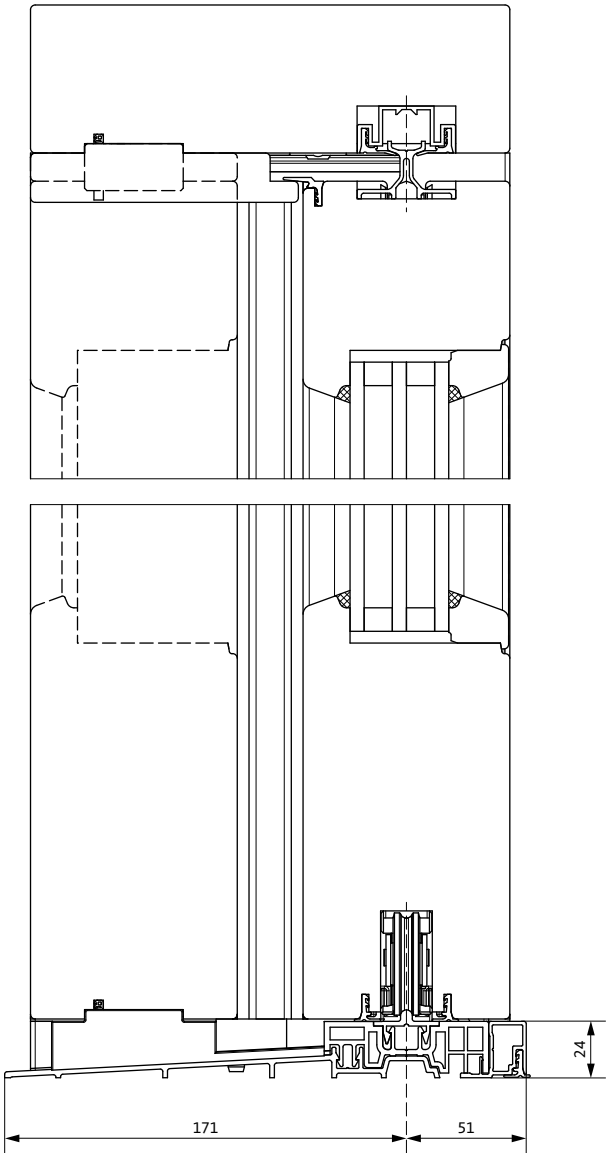
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / G3 / K	0-49408

Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



Possible patterns

Pattern A

Pattern G1

Pattern A3

Pattern G2

Pattern C

Pattern G3

Pattern D

Pattern H

Pattern F

Pattern K

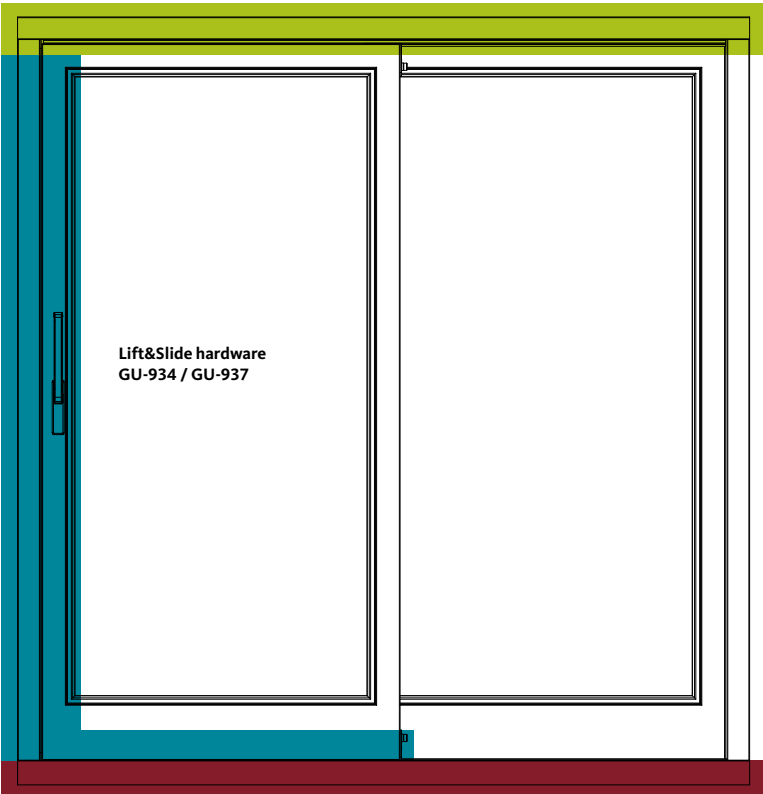
You can find more detailed information about this on page 517.

Sash thickness 88 mm, GU-flatstep 222

Sash distance 28 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-flatstep 222

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-flatstep 222	2.2	158

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-flatstep 222	3.2	280

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 90 mm, GU-thermostep 204

Sash distance 25 mm, guide track P 1786



RC2

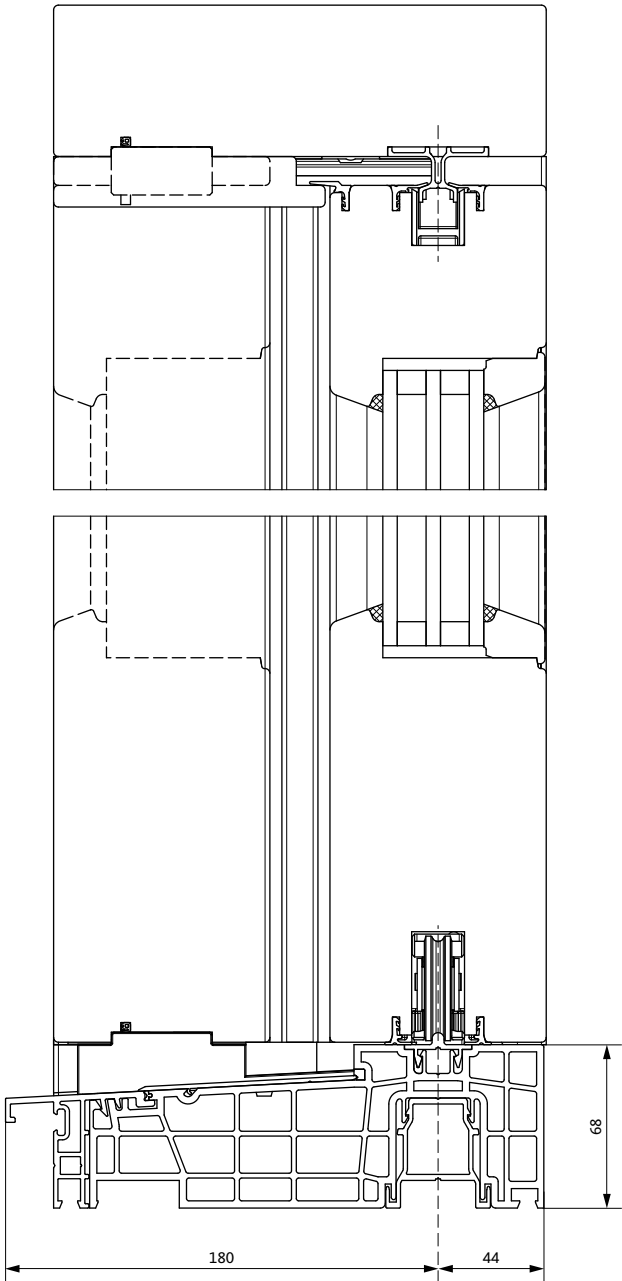
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



Possible patterns

Pattern A

Pattern G1

Pattern A3

Pattern G2

Pattern C

Pattern G3

Pattern D

Pattern H

Pattern F

Pattern K

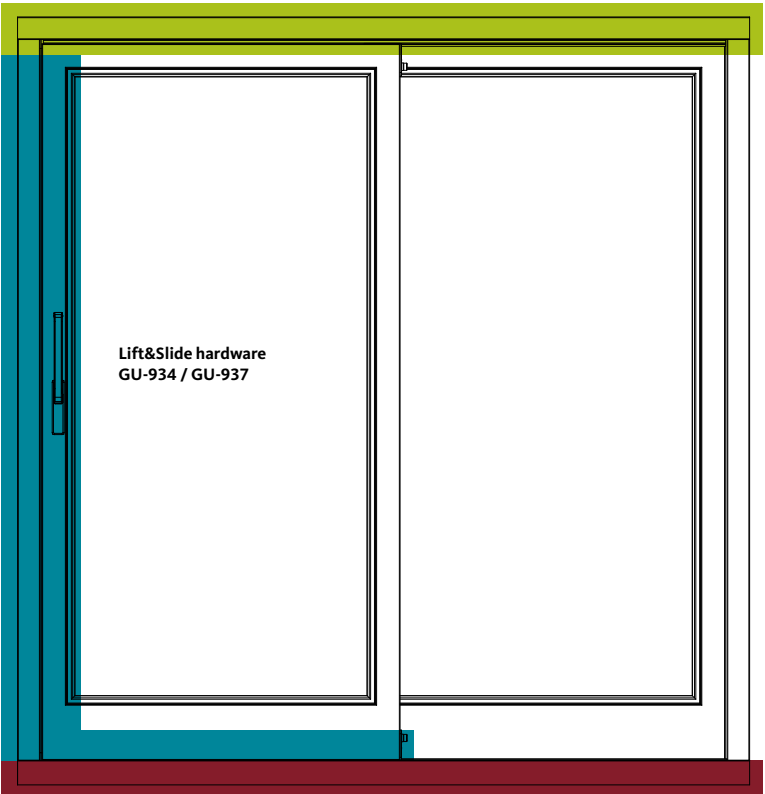
You can find more detailed information about this on page 517.

Sash thickness 90 mm, GU-thermostep 204

Sash distance 25 mm, guide track P 1786



Guide track P 1786



Threshold GU-thermostep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112
Threshold	Chapters	From page
GU-thermostep 204	2.2	126
Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210
Threshold	Chapters	From page
GU-thermostep 204	3.2	232
Guide track	Chapters	From page
P 1786	3.3	318
Description	Chapters	From page
Individual seals and gasket profiles	3.4	326
Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 90 mm, GU-thermostep 204

Sash distance 25 mm, guide track P 1850 / P 2301



RC2

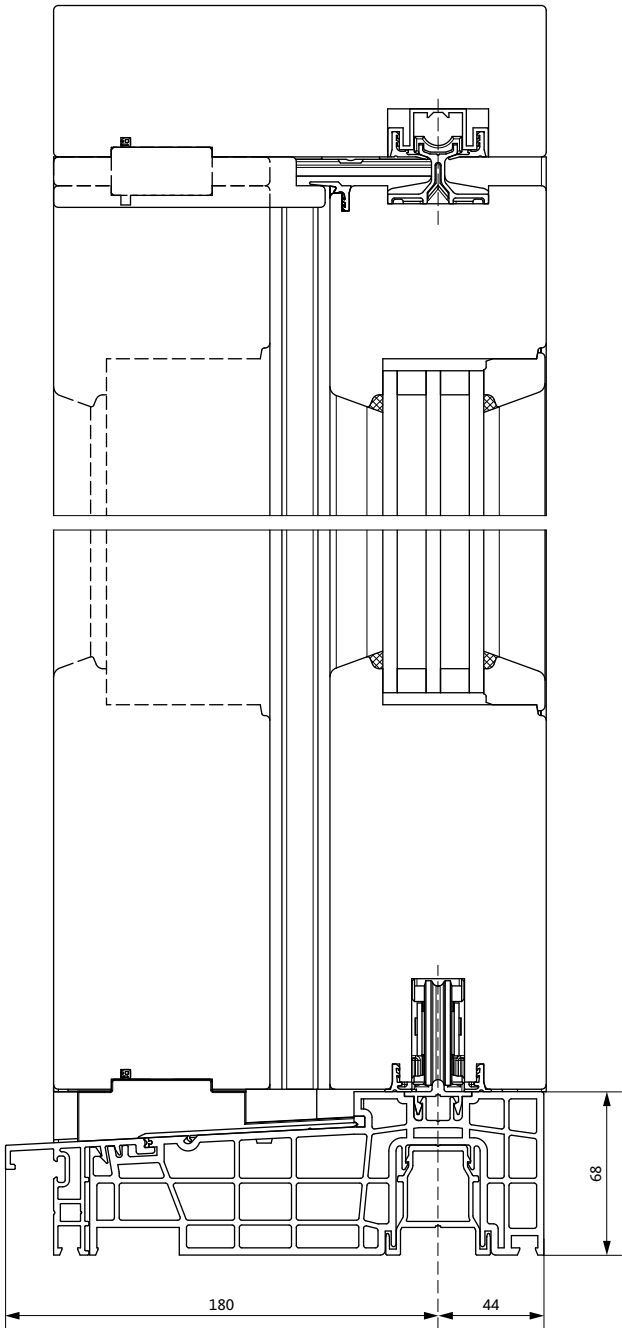
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

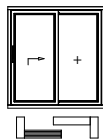
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / G3 / K	0-49408

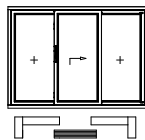
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



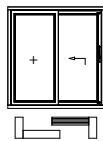
Possible patterns



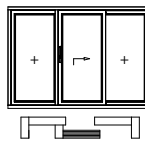
Pattern A



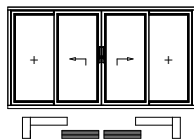
Pattern G1



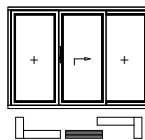
Pattern A3



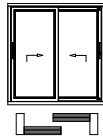
Pattern G2



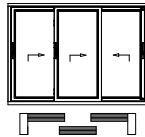
Pattern C



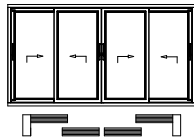
Pattern G3



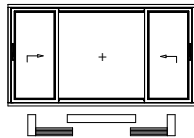
Pattern D



Pattern H



Pattern F



Pattern K

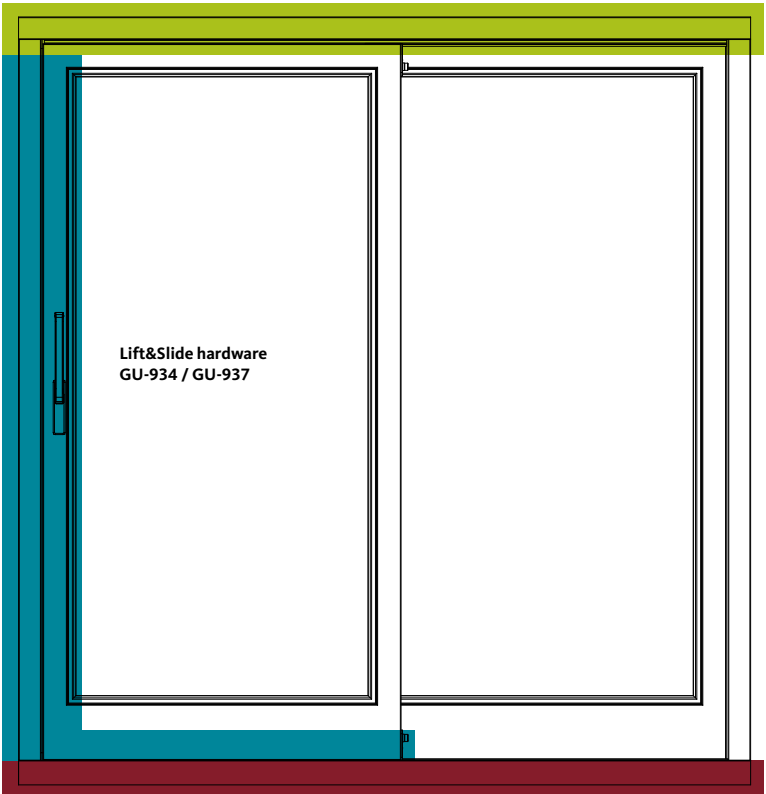
You can find more detailed information about this on page 517.

Sash thickness 90 mm, GU-thermostep 204

Sash distance 25 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-thermostep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112
Threshold	Chapters	From page
GU-thermostep 204	2.2	126
Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210
Threshold	Chapters	From page
GU-thermostep 204	3.2	232
Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324
Description	Chapters	From page
Individual seals and gasket profiles	3.4	326
Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 90 mm, GU-timberstep 204

Sash distance 25 mm, guide track P 1786



RC2

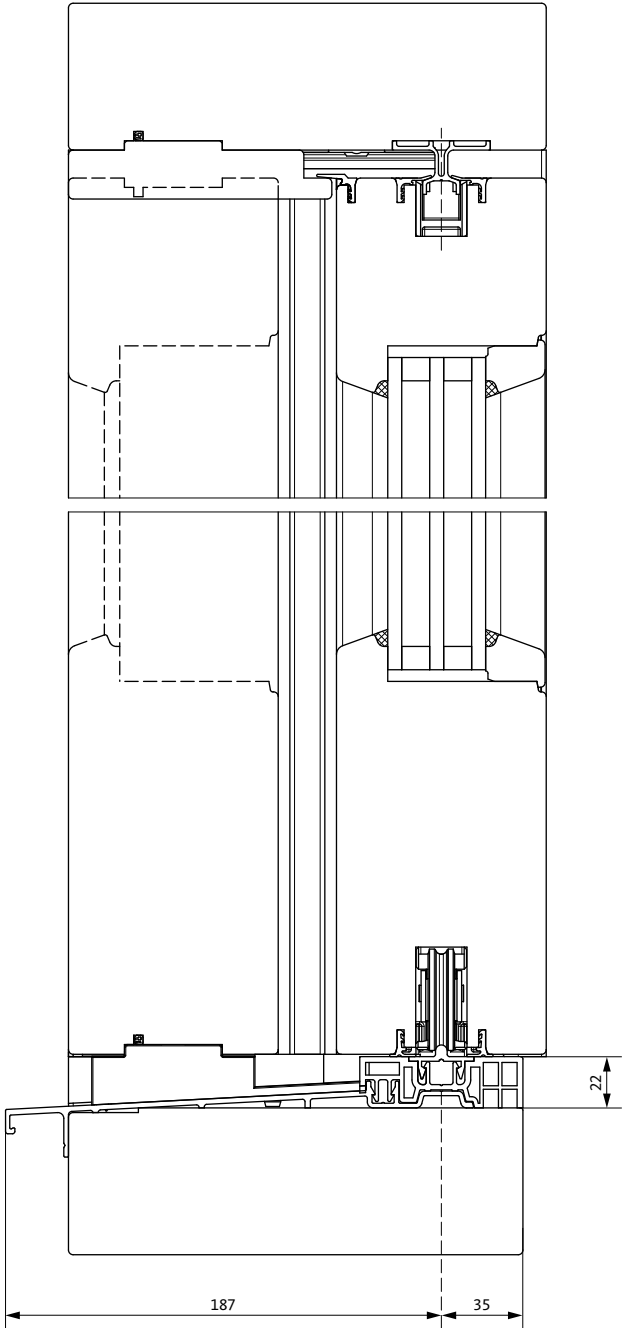
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

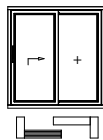
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

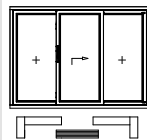
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



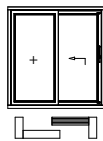
Possible patterns



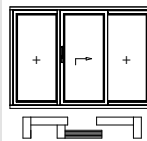
Pattern A



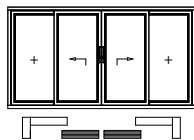
Pattern G1



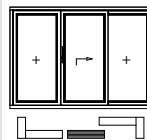
Pattern A3



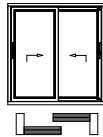
Pattern G2



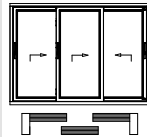
Pattern C



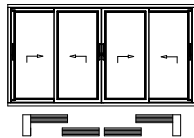
Pattern G3



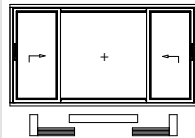
Pattern D



Pattern H



Pattern F



Pattern K

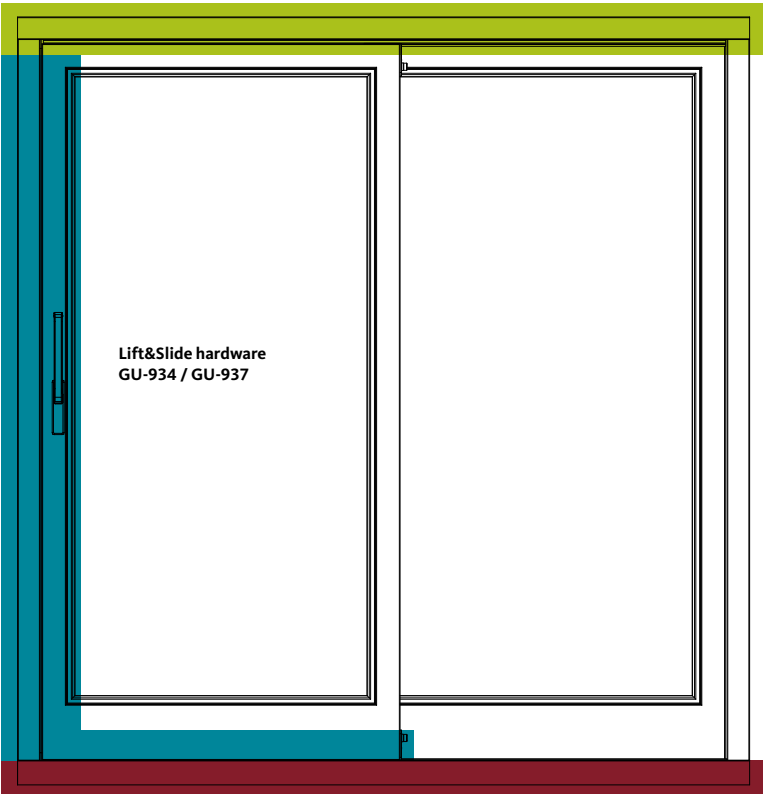
You can find more detailed information about this on page 517.

Sash thickness 90 mm, GU-timberstep 204

Sash distance 25 mm, guide track P 1786



Guide track P 1786



Threshold GU-timberstep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-timberstep 204	2.2	186

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-timberstep 204	3.2	297

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 90 mm, GU-timberstep 204

Sash distance 25 mm, guide track P 1850 / P 2301



RC2

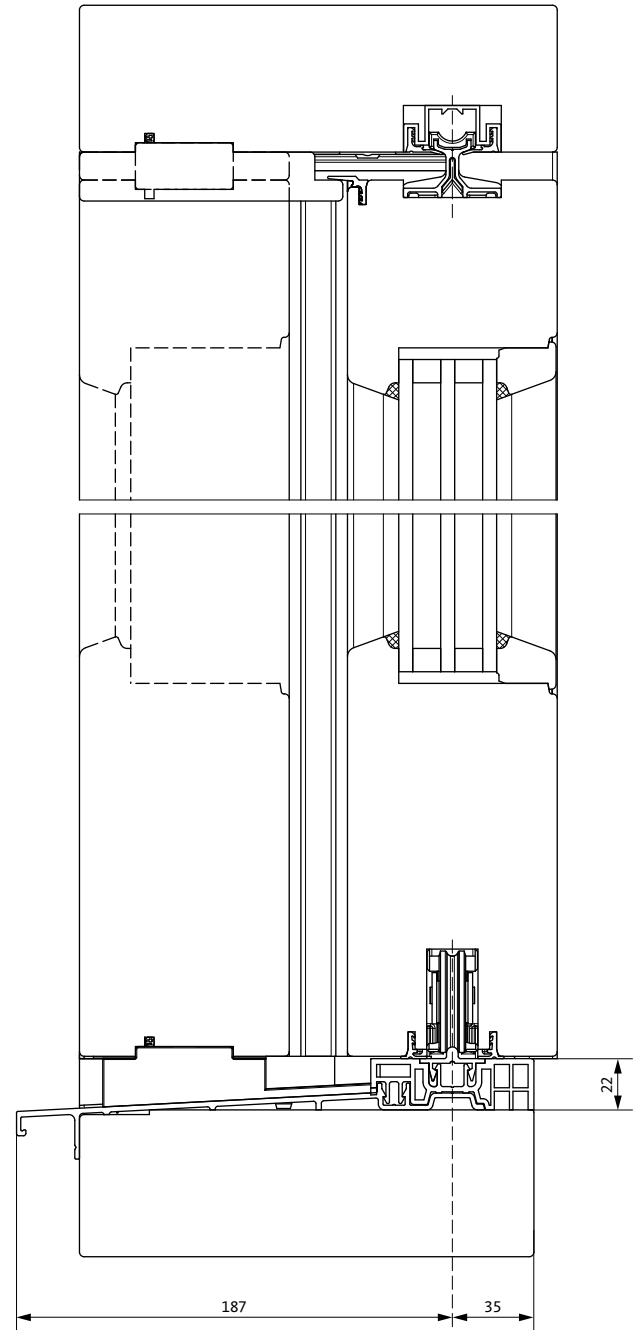
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / G3 / K	0-49408

Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



Possible patterns

Pattern A

Pattern G1

Pattern A3

Pattern G2

Pattern C

Pattern G3

Pattern D

Pattern H

Pattern F

Pattern K

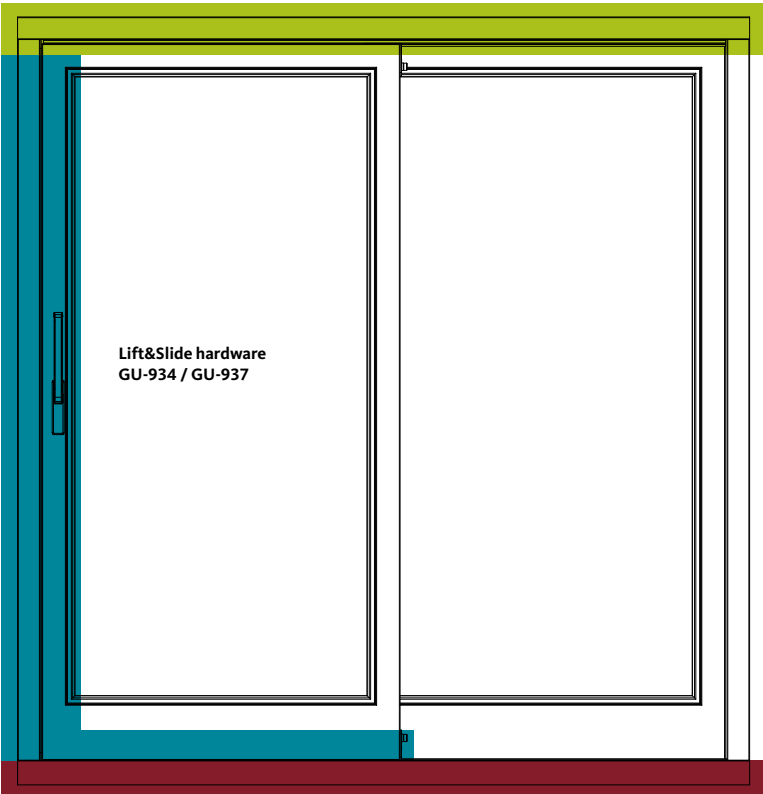
You can find more detailed information about this on page 517.

Sash thickness 90 mm, GU-timberstep 204

Sash distance 25 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-timberstep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-timberstep 204	2.2	186

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-timberstep 204	3.2	297

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 90 mm, GU-flatstep 222

Sash distance 25 mm, guide track P 1786



RC2

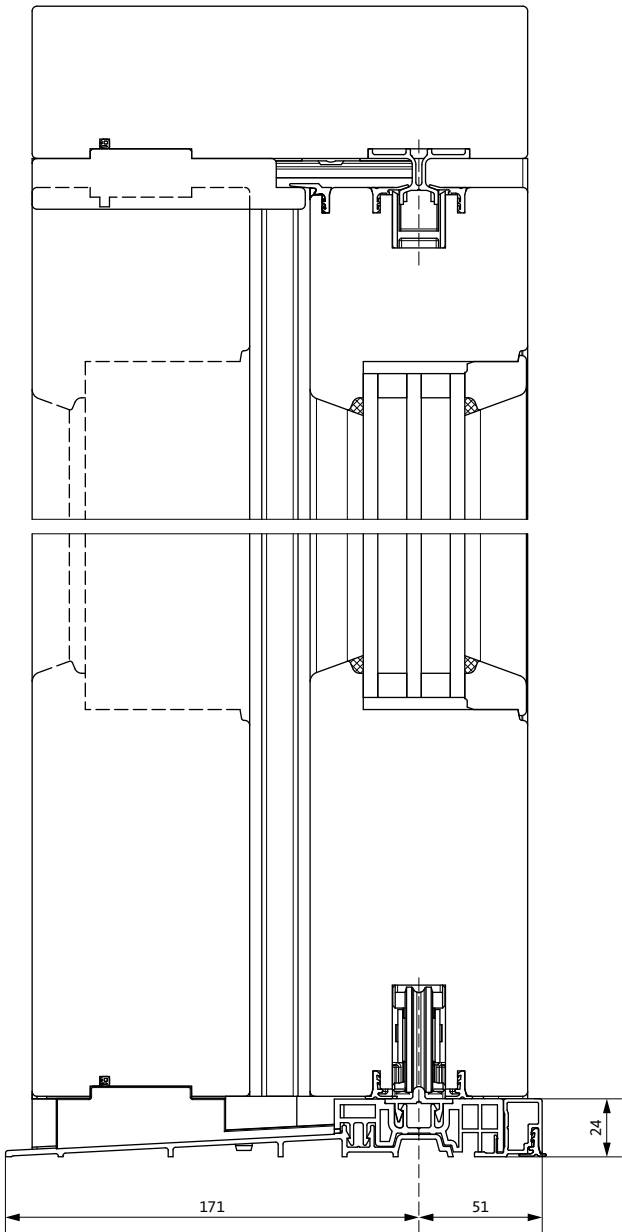
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



Possible patterns

Pattern A

Pattern G1

Pattern A3

Pattern G2

Pattern C

Pattern G3

Pattern D

Pattern H

Pattern F

Pattern K

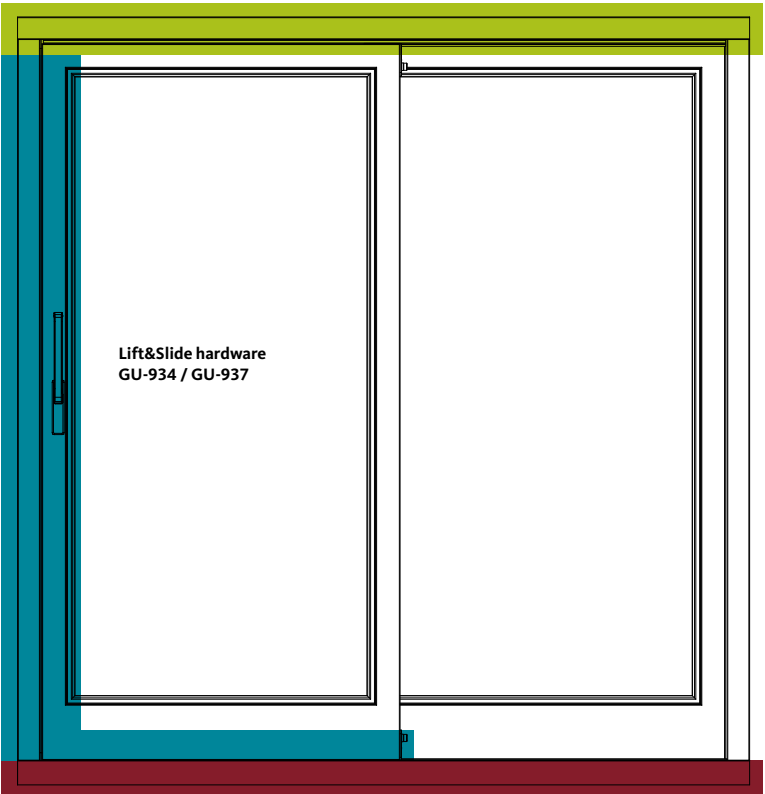
You can find more detailed information about this on page 517.

Sash thickness 90 mm, GU-flatstep 222

Sash distance 25 mm, guide track P 1786



Guide track P 1786



Threshold GU-flatstep 222

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-flatstep 222	2.2	162

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-flatstep 222	3.2	280

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 90 mm, GU-flatstep 222

Sash distance 25 mm, guide track P 1850 / P 2301



RC2

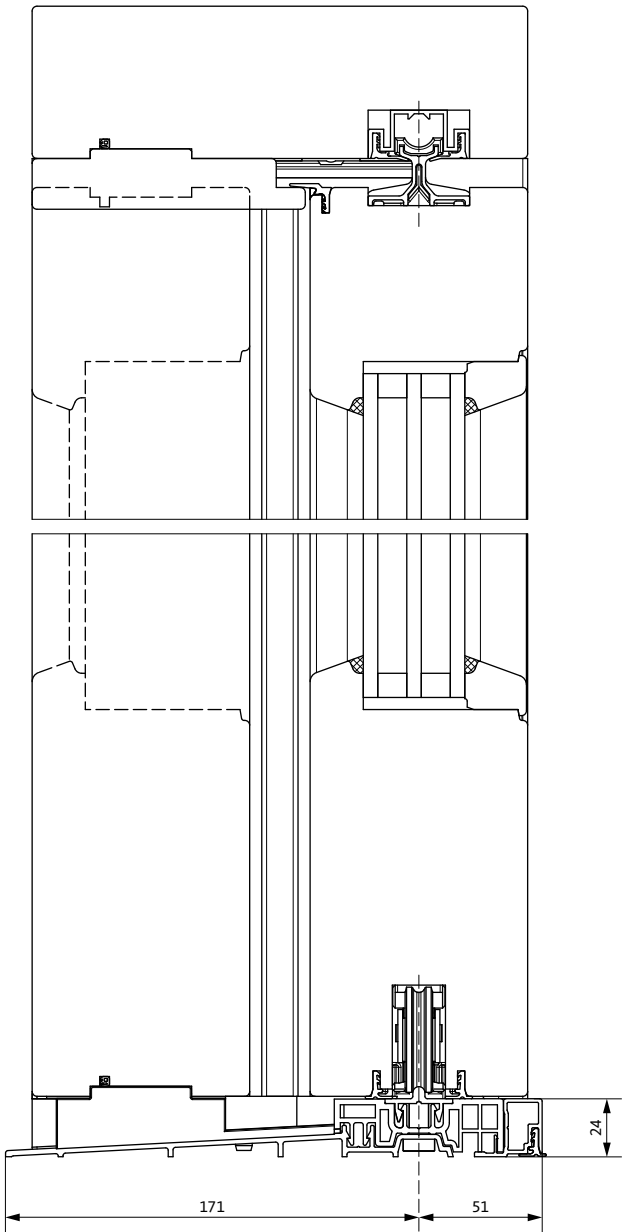
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / G3 / K	0-49408

Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



Possible patterns

Pattern A

Pattern G1

Pattern A3

Pattern G2

Pattern C

Pattern G3

Pattern D

Pattern H

Pattern F

Pattern K

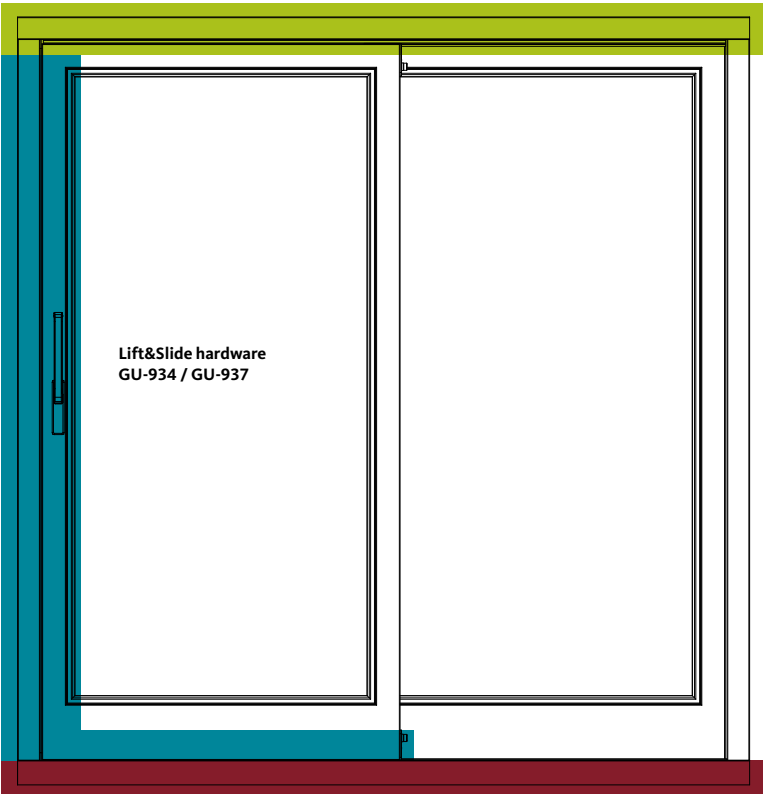
You can find more detailed information about this on page 517.

Sash thickness 90 mm, GU-flatstep 222

Sash distance 25 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-flatstep 222

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-flatstep 222	2.2	162

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-flatstep 222	3.2	280

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 92 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1786



RC2

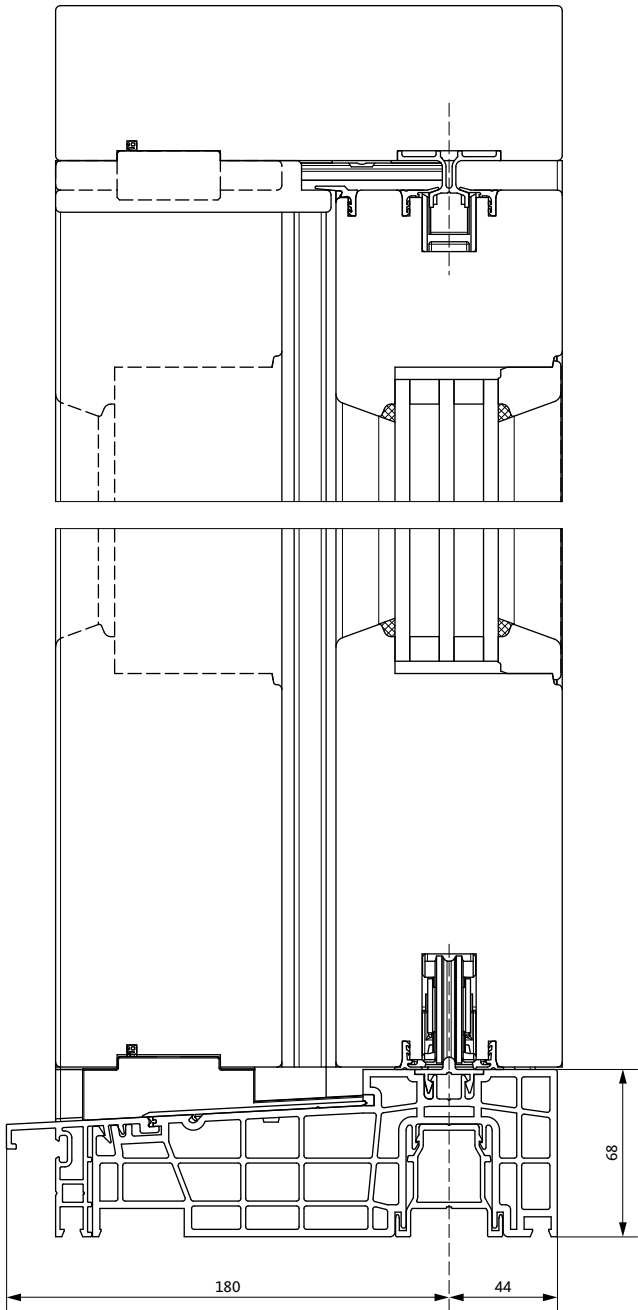
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

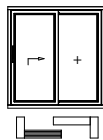
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

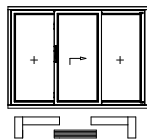
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



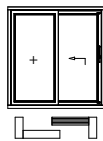
Possible patterns



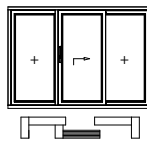
Pattern A



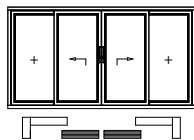
Pattern G1



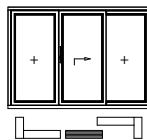
Pattern A3



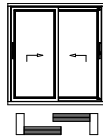
Pattern G2



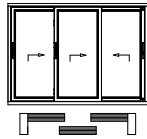
Pattern C



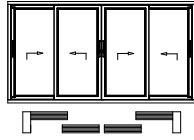
Pattern G3



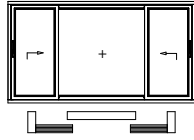
Pattern D



Pattern H



Pattern F



Pattern K

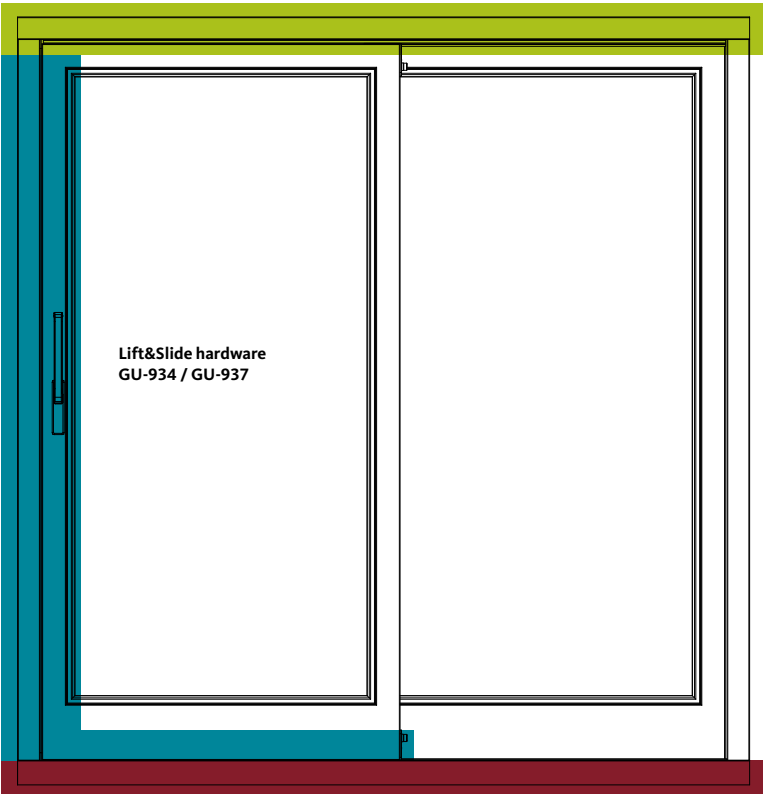
You can find more detailed information about this on page 517.

Sash thickness 92 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1786



Guide track P 1786



Threshold GU-thermostep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112
Threshold	Chapters	From page
GU-thermostep 204	2.2	130
Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210
Threshold	Chapters	From page
GU-thermostep 204	3.2	232
Guide track	Chapters	From page
P 1786	3.3	318
Description	Chapters	From page
Individual seals and gasket profiles	3.4	326
Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 92 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1850 / P 2301



RC2

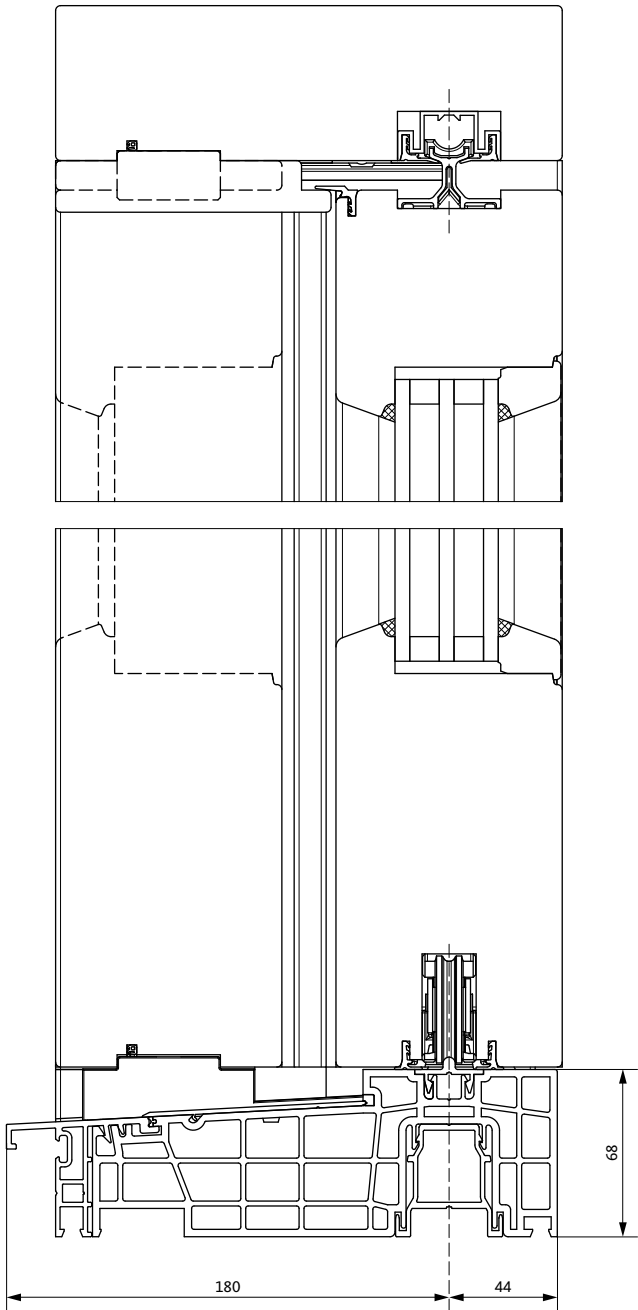
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / G3 / K	0-49408

Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



Possible patterns

Pattern A

Pattern G1

Pattern A3

Pattern G2

Pattern C

Pattern G3

Pattern D

Pattern H

Pattern F

Pattern K

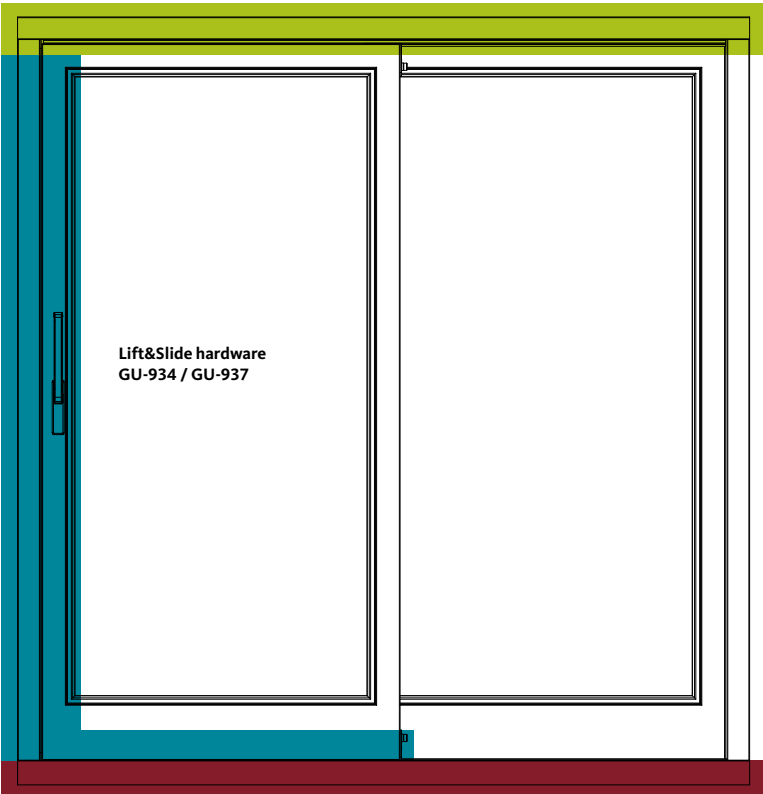
You can find more detailed information about this on page 517.

Sash thickness 92 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-thermostep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-thermostep 204	2.2	130

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-thermostep 204	3.2	232

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 92 mm, GU-timberstep 204

Sash distance 22 mm, guide track P 1786



RC2

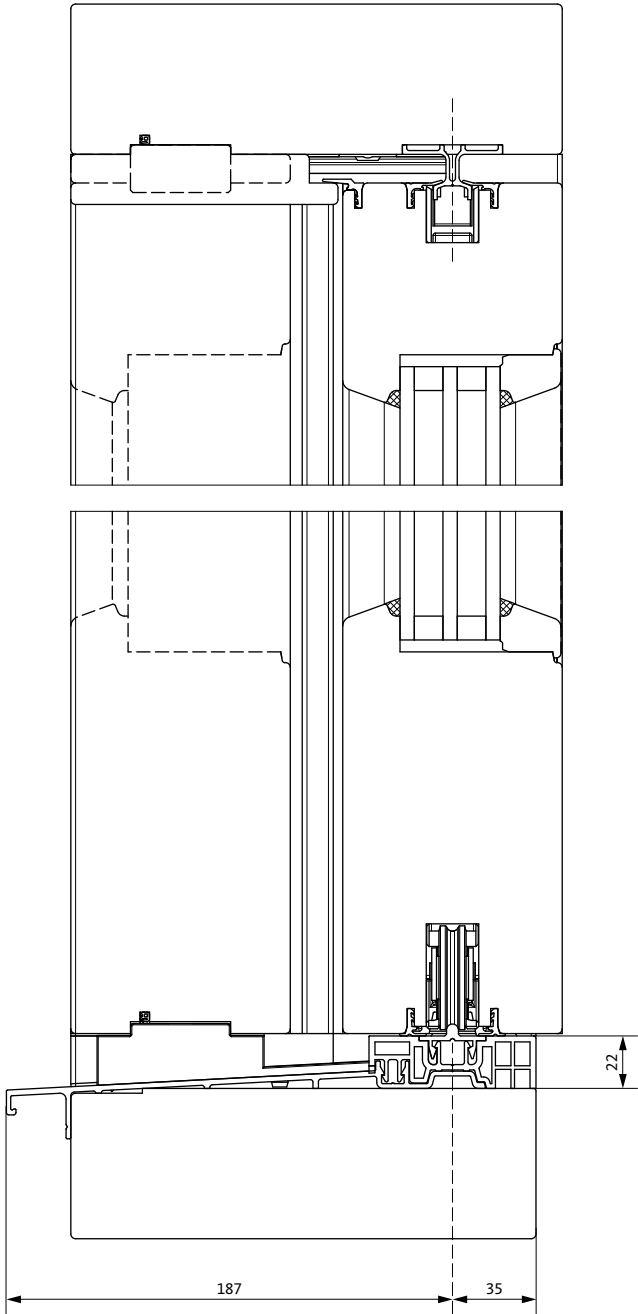
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

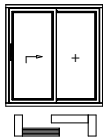
SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

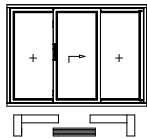
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



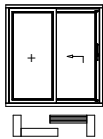
Possible patterns



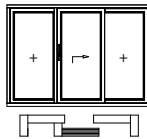
Pattern A



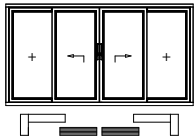
Pattern G1



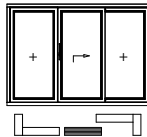
Pattern A3



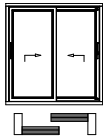
Pattern G2



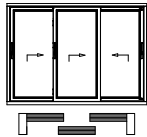
Pattern C



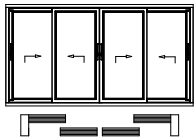
Pattern G3



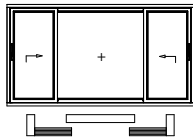
Pattern D



Pattern H



Pattern F



Pattern K

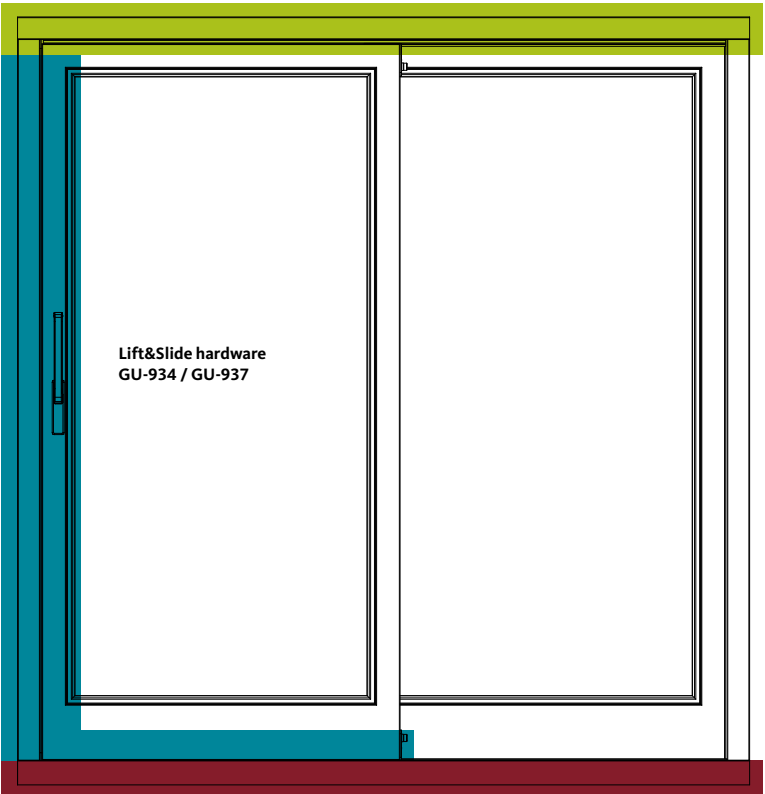
You can find more detailed information about this on page 517.

Sash thickness 92 mm, GU-timberstep 204

Sash distance 22 mm, guide track P 1786



Guide track P 1786



Threshold GU-timberstep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112
Threshold	Chapters	From page
GU-timberstep 204	2.2	190
Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210
Threshold	Chapters	From page
GU-timberstep 204	3.2	297
Guide track	Chapters	From page
P 1786	3.3	318
Description	Chapters	From page
Individual seals and gasket profiles	3.4	326
Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 92 mm, GU-timberstep 204

Sash distance 22 mm, guide track P 1850 / P 2301



RC2

Application ranges

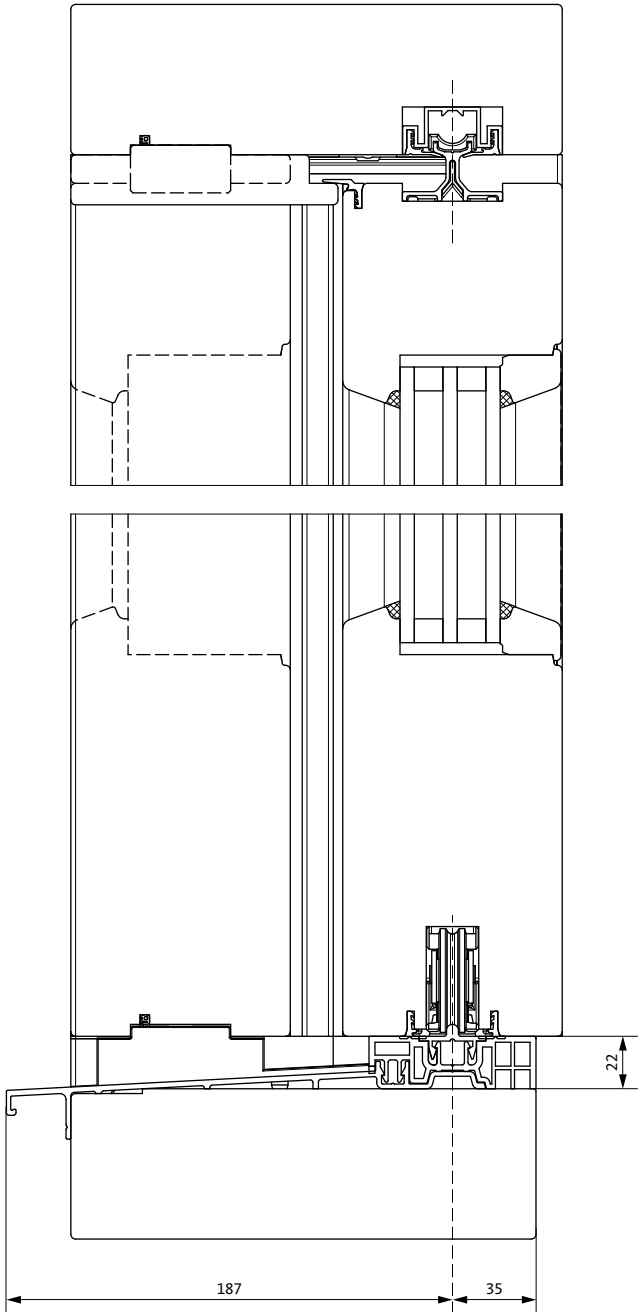
Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

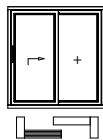
Technical documentation

Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / G3 / K	0-49408

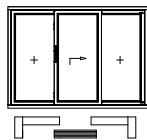
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



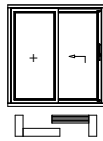
Possible patterns



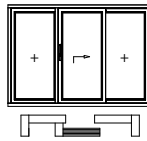
Pattern A



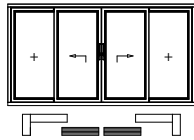
Pattern G1



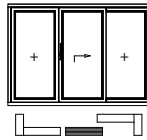
Pattern A3



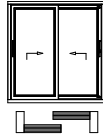
Pattern G2



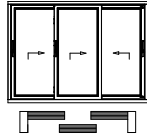
Pattern C



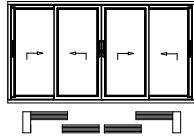
Pattern G3



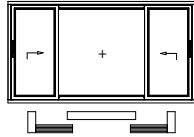
Pattern D



Pattern H



Pattern F



Pattern K

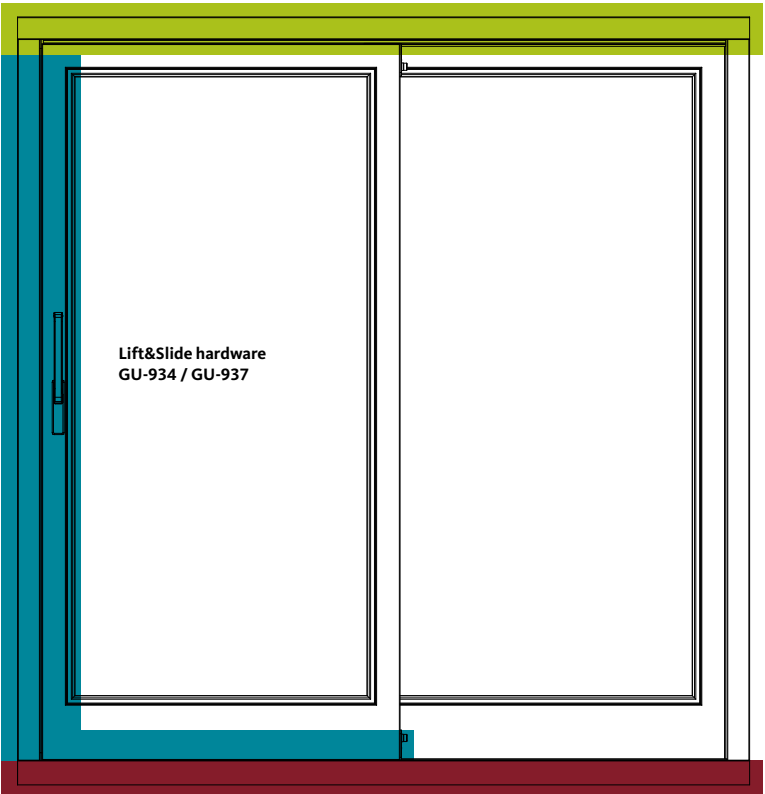
You can find more detailed information about this on page 517.

Sash thickness 92 mm, GU-timberstep 204

Sash distance 22 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-timberstep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-timberstep 204	2.2	190

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-timberstep 204	3.2	297

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 92 mm, GU-flatstep 222

Sash distance 22 mm, guide track P 1786



RC2

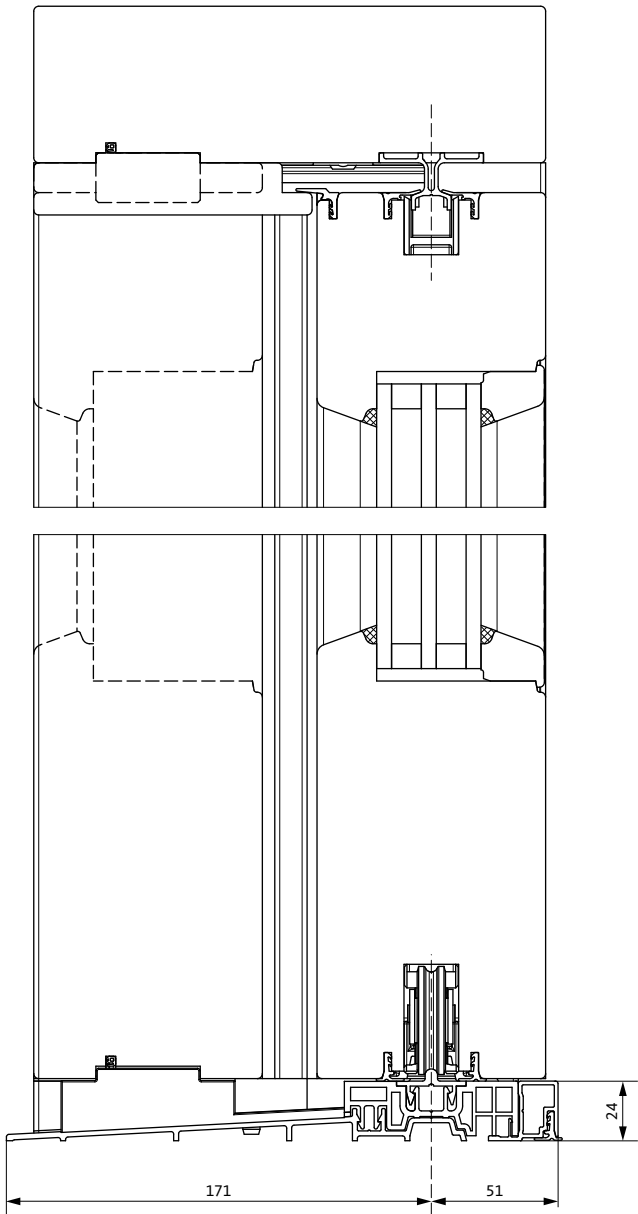
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



Possible patterns

Pattern A

Pattern G1

Pattern A3

Pattern G2

Pattern C

Pattern G3

Pattern D

Pattern H

Pattern F

Pattern K

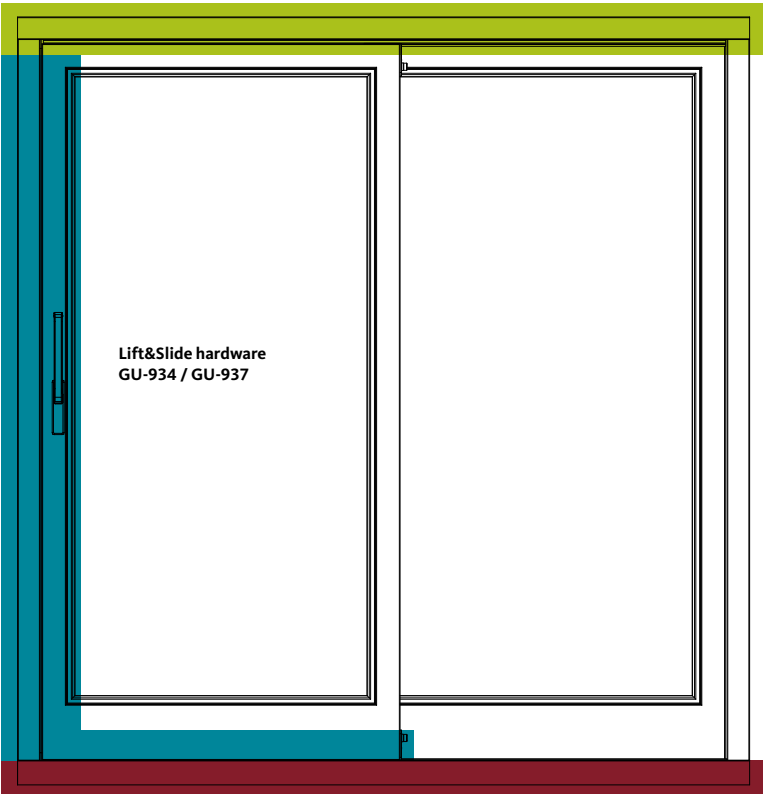
You can find more detailed information about this on page 517.

Sash thickness 92 mm, GU-flatstep 222

Sash distance 22 mm, guide track P 1786



Guide track P 1786



Threshold GU-flatstep 222

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-flatstep 222	2.2	166

Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-flatstep 222	3.2	280

Guide track	Chapters	From page
P 1786	3.3	318

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 92 mm, GU-flatstep 222

Sash distance 22 mm, guide track P 1850 / P 2301



RC2

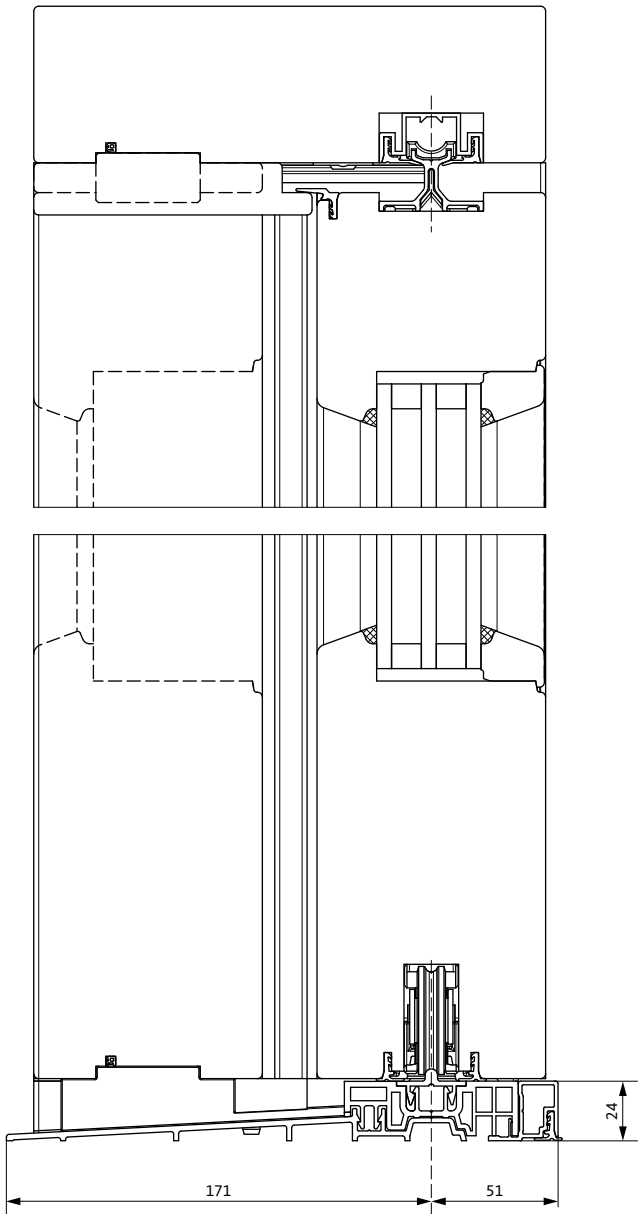
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / G3 / K	0-49408

Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



Possible patterns

Pattern A

Pattern G1

Pattern A3

Pattern G2

Pattern C

Pattern G3

Pattern D

Pattern H

Pattern F

Pattern K

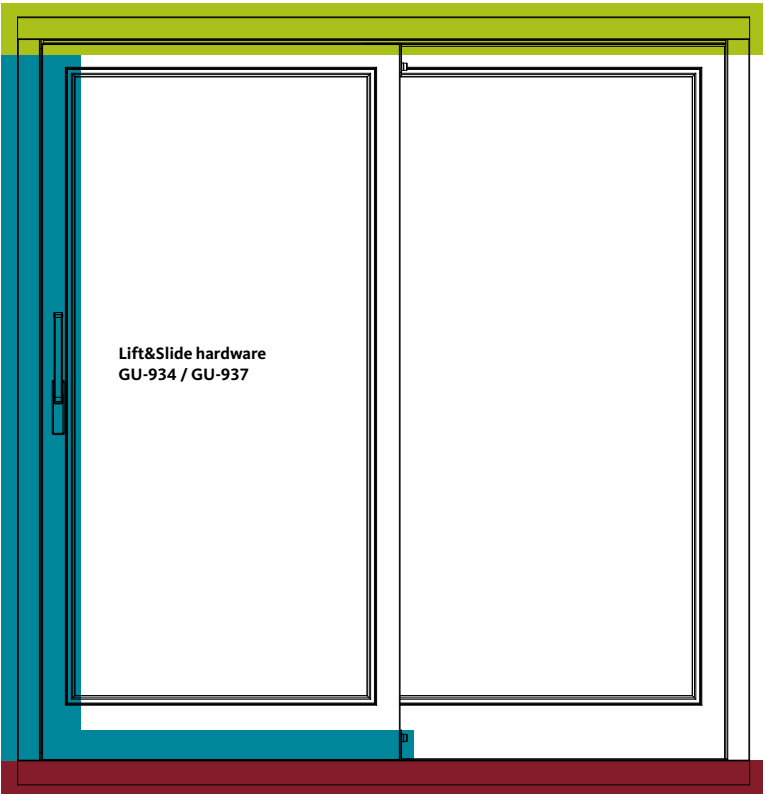
You can find more detailed information about this on page 517.

Sash thickness 92 mm, GU-flatstep 222

Sash distance 22 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-flatstep 222

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-flatstep 222	2.2	166

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-flatstep 222	3.2	280

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 110 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1786



RC2

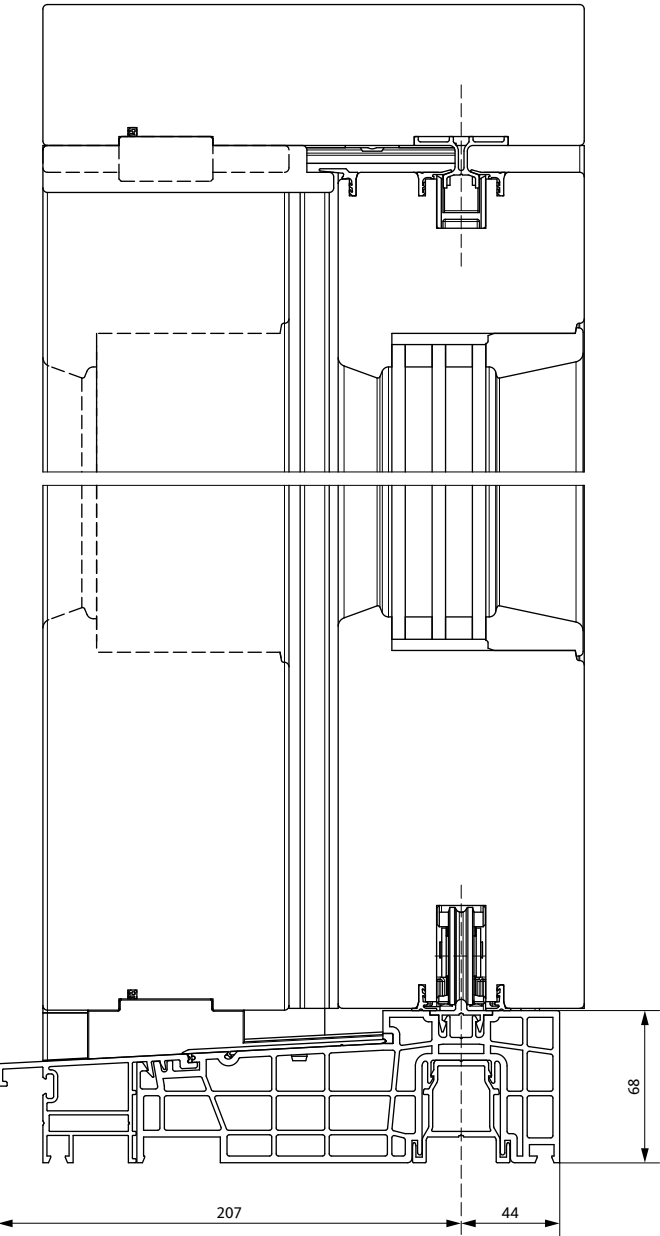
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1786	all patterns	0-49408

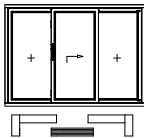
Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



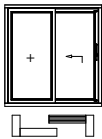
Possible patterns



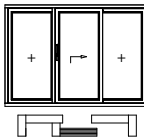
Pattern A



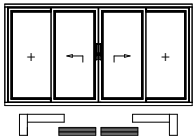
Pattern G1



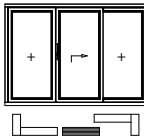
Pattern A3



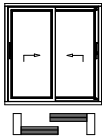
Pattern G2



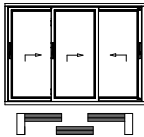
Pattern C



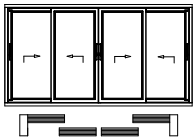
Pattern G3



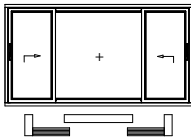
Pattern D



Pattern H



Pattern F



Pattern K

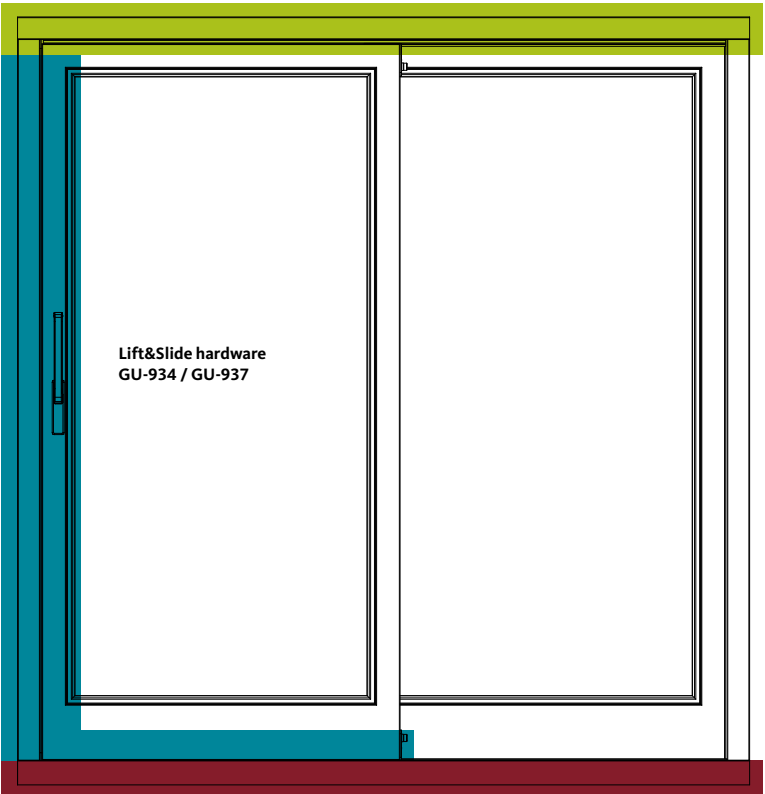
You can find more detailed information about this on page 517.

Sash thickness 110 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1786



Guide track P 1786



Threshold GU-thermostep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112
Threshold	Chapters	From page
GU-thermostep 204	2.2	134
Guide track	Chapters	From page
P 1786	2.3	202

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210
Threshold	Chapters	From page
GU-thermostep 204	3.2	232
Guide track	Chapters	From page
P 1786	3.3	318
Description	Chapters	From page
Individual seals and gasket profiles	3.4	326
Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433

Sash thickness 110 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1850 / P 2301



RC2

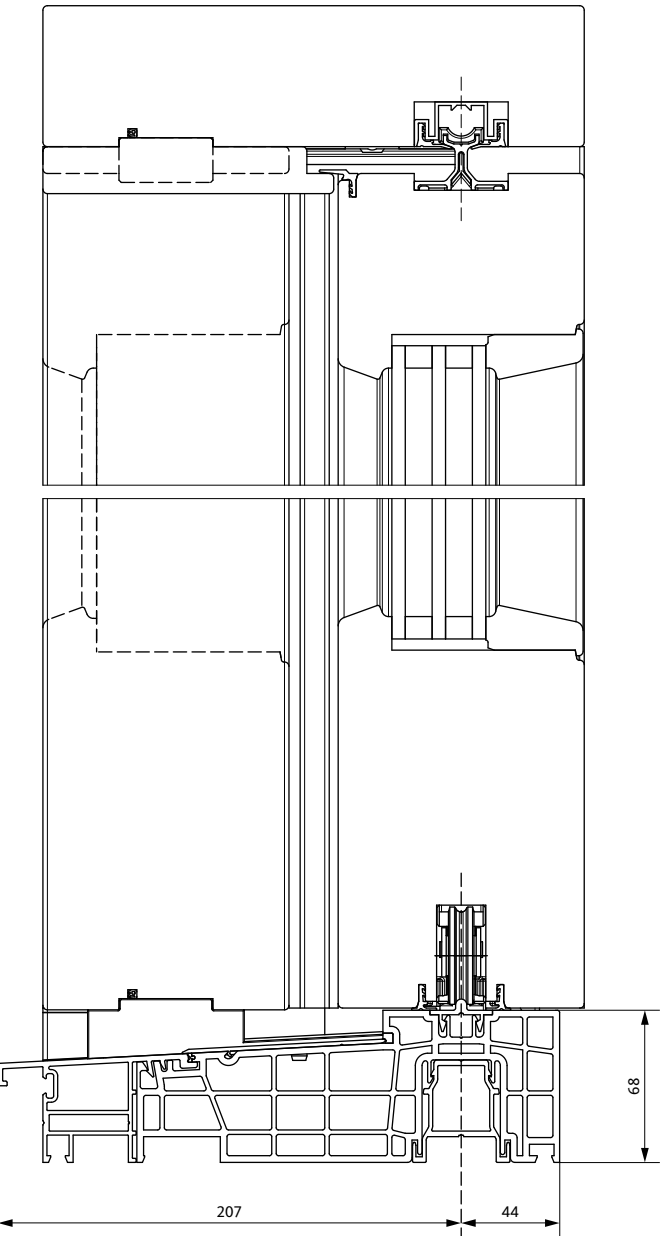
Application ranges

Sash widths / sash heights / sash weights			
Sash width [SW]	Sash height [SH]	Sash weight [SW]	
		maximum	L&S bogie
700–3300 mm	840–3250 mm	350 kg	GU-934
		400 kg	GU-934 Tandem
		200 kg	GU-937
		400 kg	GU-937 Tandem

SH : SW = 2.5 : 1

Technical documentation		
Guide track	Patterns	Document No.
P 1850	all patterns	0-48888
P 2301	A / C / G2 / G3 / K	0-49408

Note on RC 2:
for tested patterns please refer to our "System file RC2 Timber".



Possible patterns

Pattern A

Pattern G1

Pattern A3

Pattern G2

Pattern C

Pattern G3

Pattern D

Pattern H

Pattern F

Pattern K

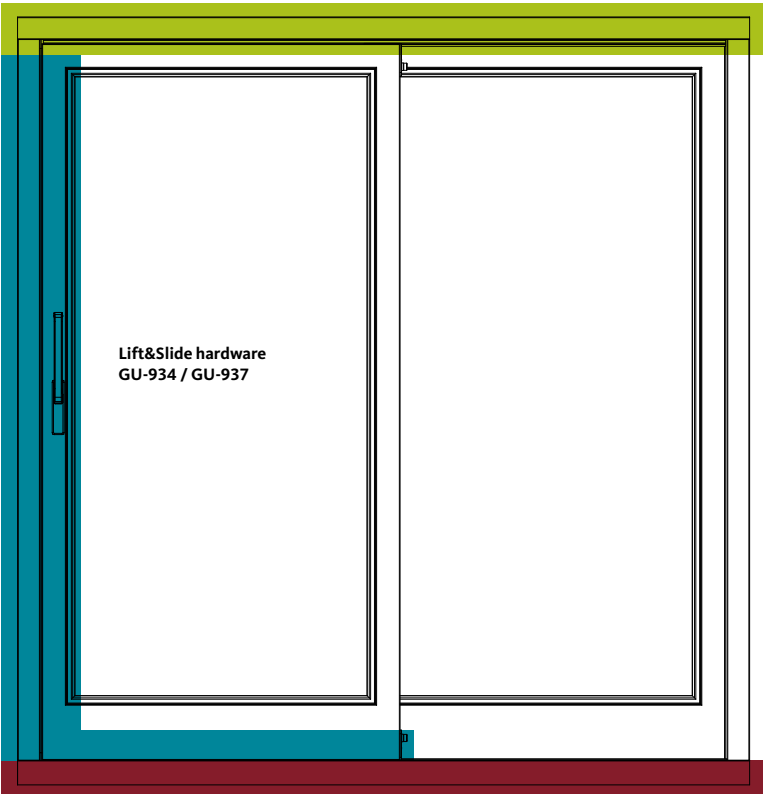
You can find more detailed information about this on page 517.

Sash thickness 110 mm, GU-thermostep 204

Sash distance 22 mm, guide track P 1850 / P 2301



Guide track P 1850 / P 2301



Threshold GU-thermostep 204

Table of contents

Hardware overviews

Lift&Slide hardware	Chapters	From page
GU-934	2.1	100
GU-934 Tandem	2.1	104
GU-937	2.1	108
GU-937 Tandem	2.1	112

Threshold	Chapters	From page
GU-thermostep 204	2.2	134

Guide track	Chapters	From page
P 1850	2.3	204
P 2301	2.3	206

Individual parts overviews

Lift&Slide hardware	Chapters	From page
GU-934	3.1	210
GU-934 Tandem	3.1	210
GU-937	3.1	210
GU-937 Tandem	3.1	210

Threshold	Chapters	From page
GU-thermostep 204	3.2	232

Guide track	Chapters	From page
P 1850	3.3	320
P 2301	3.3	324

Description	Chapters	From page
Individual seals and gasket profiles	3.4	326

Description	Chapters	From page
Drilling jigs and auxiliary tools	4.0	339
Special applications	5.0	351
Turn handles and accessories	6.0	433



2.1 Lift&Slide hardware

GU-934	100
GU-934 Tandem	104
GU-937	108
GU-937 Tandem	112

2.2 Thresholds

GU-thermostep 204	116
GU-thermostep 164	138
GU-threshold 47	150
GU-flatstep 222	158
GU-flatstep 164	170
GU-timberstep 204	178
GU-timberstep 164	194

2.3 Guide tracks

P 1786	202
P 1850 / P 1849	204
P 2301	206

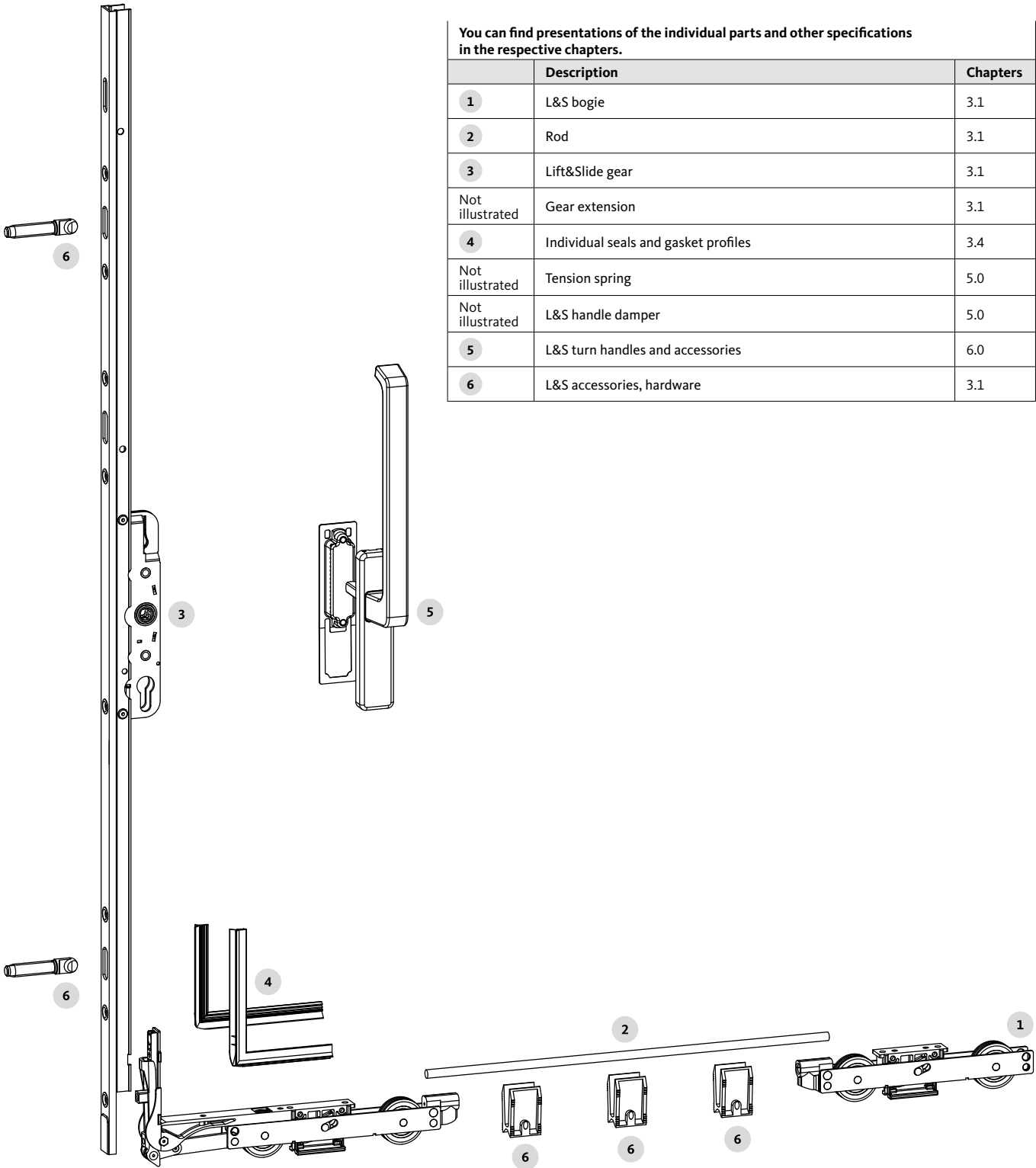
Lift&Slide hardware GU-934

For sash weights up to max. 350 kg



You can find presentations of the individual parts and other specifications in the respective chapters.

	Description	Chapters
1	L&S bogie	3.1
2	Rod	3.1
3	Lift&Slide gear	3.1
Not illustrated	Gear extension	3.1
4	Individual seals and gasket profiles	3.4
Not illustrated	Tension spring	5.0
Not illustrated	L&S handle damper	5.0
5	L&S turn handles and accessories	6.0
6	L&S accessories, hardware	3.1





1 L&S bogie

Pattern												Designation	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	GU-934	ferGUard	1	K-16488-00-0-1
													faceGUard	1	K-16488-00-0-18

2 Rod Ø 8 mm

Pattern												SW [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	700 – 1600	ferGUard	1	9-25476-11-0-1
													faceGUard	1	9-25476-11-0-18
												1601 – 1850	ferGUard	1	9-25476-14-0-1
													faceGUard	1	9-25476-14-0-18
												1851 – 2350	ferGUard	1	9-25476-18-0-1
													faceGUard	1	9-25476-18-0-18
												2351 – 3300	ferGUard	1	9-25476-33-0-1
													faceGUard	1	9-25476-33-0-18

3 Lift&Slide gear, 37.5 mm backset, 4 mm roller track bb and 10 mm roller track

Pattern												SH [mm] [1]	Finish		PU	Order no.												
A	A3	C	D	E	F	G1	G2	G3	H	K	L	RT 4 mm RT 10 mm	Cover rail	Lock case, connecting rod														
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265	EV 1 / light grey UC 5 / dark bronze	ferGUard ferGUard	10 10	6-30021-11-0-1 6-30021-11-0-5												
												1260 – 1840 1265 – 1845	EV 1 / light grey UC 5 / dark bronze	ferGUard ferGUard	10 10	6-30021-19-0-1 6-30021-19-0-5												
												1840 – 2340 1845 – 2345	EV 1 / light grey UC 5 / dark bronze	ferGUard ferGUard	10 10	6-30021-24-0-1 6-30021-24-0-5												
													EV 1 / light grey	faceGUard	10	6-30021-24-0-18												
													2340 – 2740 2345 – 2745	EV 1 / light grey UC 5 / dark bronze	ferGUard ferGUard	10 10	6-30021-28-0-1 6-30021-28-0-5											
												EV 1 / light grey		faceGUard	10	6-30021-28-0-18												
												Alternative: Lift&Slide gear, 27.5 mm backset, 4 mm roller track bb and 10 mm roller track																
												1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265	EV 1 / light grey UC 5 / dark bronze	ferGUard ferGUard	10 10	6-30019-11-0-1 6-30019-11-0-5
																								1260 – 1840 1265 – 1845	EV 1 / light grey UC 5 / dark bronze	ferGUard ferGUard	10 10	6-30019-19-0-1 6-30019-19-0-5
																								1840 – 2340 1845 – 2345	EV 1 / light grey faceGUard	ferGUard faceGUard	10 10	6-30019-19-0-1 6-30019-19-0-18
EV 1 / light grey UC 5 / dark bronze	ferGUard ferGUard	10 10	6-30019-24-0-1 6-30019-24-0-5																									
EV 1 / light grey faceGUard	ferGUard faceGUard	10 10	6-30019-24-0-1 6-30019-24-0-18																									
2340 – 2740 2345 – 2745	EV 1 / light grey UC 5 / dark bronze	ferGUard ferGUard	10 10	6-30019-28-0-1 6-30019-28-0-5																								
	EV 1 / light grey	faceGUard	10	6-30019-28-0-18																								
	Optional: gear extension 500 mm																											
1	1	2	2	2	4	1	1	1	3	2	4													–	EV 1 / light grey UC 5 / dark bronze EV 1 / light grey	ferGUard ferGUard faceGUard	10 10 10	6-32030-00-0-1 6-32030-00-0-5 6-32030-00-0-18

[1] The specified application range varies when using the gear extension and with pattern G1.

Lift&Slide hardware GU-934

For sash weights up to max. 350 kg



4 Individual seals and gasket profiles

P 743 gasket profile [1]													Application	SH / SW [mm]	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
2	2	4	2	4	4	4	2	2	4	4	8	Meeting stile (vertical)	SH - 20	20 m	W751012-20-0-6	
–	–	2	–	2	2	2	–	–	2	–	6	Sash at bottom (horizontal)	SW			

P 743 gasket corner													Application	Length [mm]	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
2	2	2	4	2	6	–	2	2	4	4	2	Sash, handle side (vertical)	2500	1	9-26729-25-0-6	
2	2	2	4	2	6	–	2	2	4	4	2	Sash at bottom (horizontal)	3500	1	9-26729-35-0-6	

Accessories

L&S accessories, meeting stile													SD [mm]	ST [mm]	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	2	2	2	4	1	1	1	2	2	4	22	92, 110	1	K-18432-22-0-1	
1	1	2	2	2	4	1	1	1	2	2	4	25	90	1	K-18432-25-0-1	
1	1	2	2	2	4	1	1	1	2	2	4	28	56, 68, 78, 88	1	K-18432-28-0-1	
Contains: 2 x meeting stile gaskets																

Tension spring [2]															PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	2	2	2	4	1	1	1	3	2	4				1	9-40235-05-0-0

L&S handle damper [3]															PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	2	2	2	4	1	1	1	3	2	4				1	K-19053-00-0-6
Contains: 1 x handle damper, accessory																

Buffer S [4]														Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
-	-	-	2	-	4	-	-	-	4	-	-			black	1	K-19035-00-0-6
														white	1	K-19035-00-0-7
														cream white	1	K-19035-00-0-7Z
Contains: 1 x buffer, 1 x cover cap, fixing screws																

L&S bottom keeper														Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
-	-	-	-	-	-	1	-	-	1	-	-		stainless steel	1	K-12057-00-0-1	
Contains: 1 x bottom keeper, fixing screws																

[1] You can find other versions on page 327.
[2] Recommended from a sash weight of 200 kg for reduction of the operating forces.
[3] Recommended from a sash weight of 100 kg for controlled lowering of the sliding sash.
[4] You can find suitable packers on page 225.



L&S turn handles

5 DIRIGENT interior L&S turn handle, without PC hole, incl. flush pull [1]																
Pattern												ST [mm]	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	2	2	2	4	1	1	1	3	2	4	56	silver/EV 1 look	1	K-13265-00-0-1	
													dark brown [4]	1	K-13265-00-0-5	
													white, RAL 9016	1	K-13265-00-0-7	
1	1	2	2	2	4	1	1	1	3	2	4	68, 78, 88, 90, 92, 110	silver/EV 1 look	1	K-13785-00-0-1	
													dark brown [4]	1	K-13785-00-0-5	
													white, RAL 9016	1	K-13785-00-0-7	
The following must also be ordered for each turn handle:																
Fixing screws [2]													ST [mm]	Finish	PU	Order no.
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 85 mm	78	–	1	9-13274-85-0-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	88	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	90	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 100 mm	92	–	1	9-13274-97-R-3
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 110 mm	110	–	1	9-13274-98-R-3
Square spindle [3]													ST [mm]	Finish	PU	Order no.
1	1	2	2	2	4	1	1	1	3	2	4	10 x 90 mm	88, 90, 92	–	1	9-24377-50-0-1
1	1	2	2	2	4	1	1	1	3	2	4	10 x 100 mm	110	–	1	9-24377-60-0-1

L&S accessories, hardware

6 L&S accessories, hardware																
Pattern												ST [mm]	SD [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	–	2	1	2	–	1	1	2	2	–	56, 68 / 56 – 110	10 / 28, 25, 22	ferGUard	1	K-16606-00-0-1
														faceGUard	1	K-16606-00-0-18
–	–	1	–	–	1	–	–	–	–	–	1	56, 68	10	ferGUard	1	K-16616-00-0-1 [5]
–	–	1	–	–	1	–	–	–	–	–	1	56 – 110	28, 25, 22	ferGUard	1	K-16607-00-0-1 [5]
–	–	1	–	–	–	–	–	–	–	–	–	56 – 110	28, 25, 22	ferGUard	1	K-21008-00-0-1 [6]
–	–	–	1	–	2	–	–	–	–	–	–	56 – 110	28, 25, 22	ferGUard	1	K-16610-00-0-1
–	–	–	–	1	–	–	–	–	–	–	2	68, 78	28	ferGUard	1	K-17375-00-0-1
Pattern												Guide track		Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	–	–	1	–	–	–	–	–	P 1786		ferGUard	1	K-17737-00-0-1
–	–	–	–	–	–	1	–	–	–	–	–	P 1850		ferGUard	1	K-20064-00-0-1

[1] You can find other finishes and handle designs in Chapter 6.0 "Turn handles and accessories" from page 433.

[2] The fixing screws are included in the corresponding L&S accessories hardware PU for sash thicknesses 56 mm and 68 mm.

[3] The square spindle is included in the corresponding L&S turn handle PU for sash thicknesses 56 mm to 78 mm.

[4] Similar to RAL 8022.

[5] For use with P 1786 or P 1850 guide track.

[6] For use with P 2301 guide track.

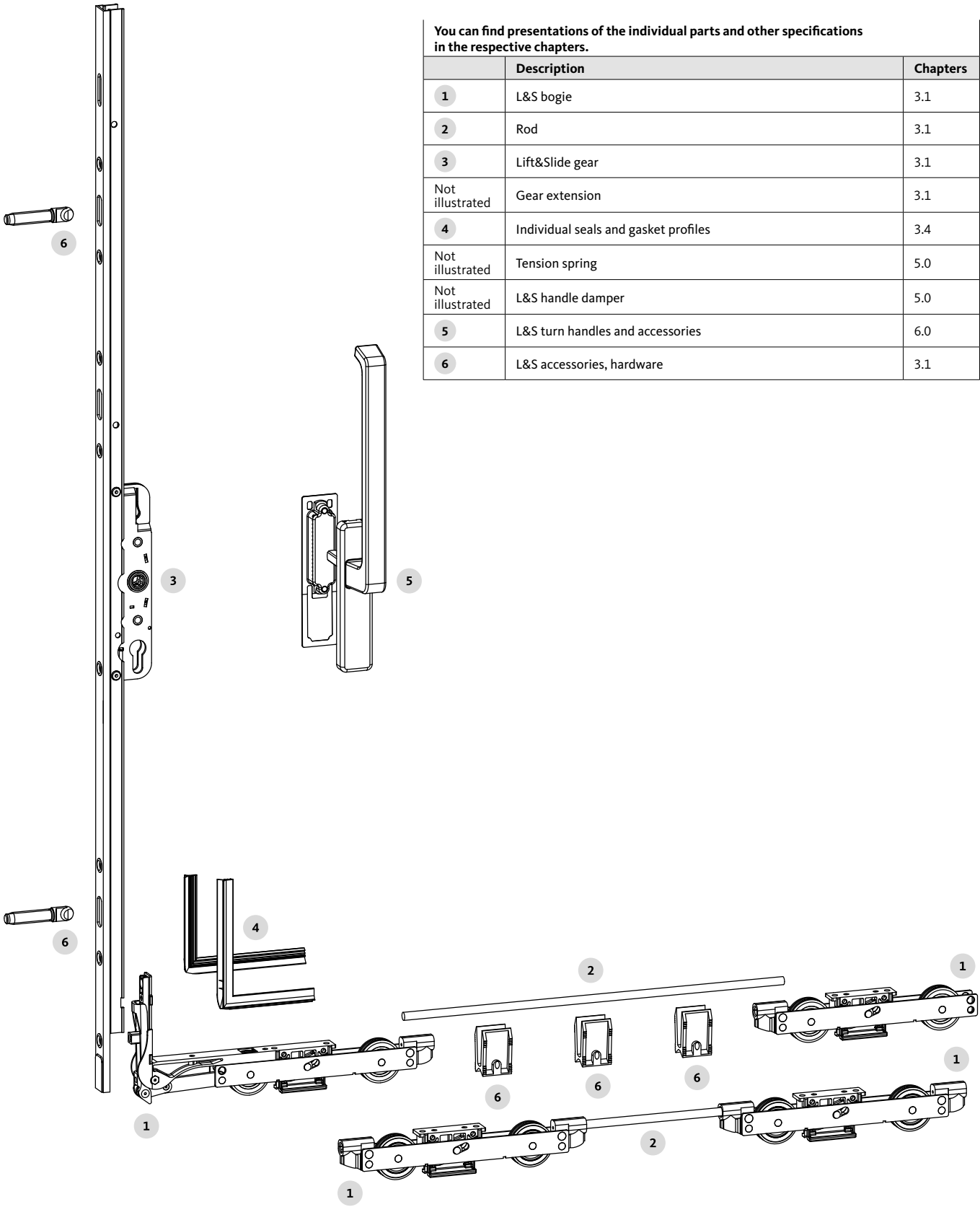
Lift&Slide hardware GU-934 Tandem

For sash weights up to max. 400 kg



You can find presentations of the individual parts and other specifications in the respective chapters.

	Description	Chapters
1	L&S bogie	3.1
2	Rod	3.1
3	Lift&Slide gear	3.1
Not illustrated	Gear extension	3.1
4	Individual seals and gasket profiles	3.4
Not illustrated	Tension spring	5.0
Not illustrated	L&S handle damper	5.0
5	L&S turn handles and accessories	6.0
6	L&S accessories, hardware	3.1



Lift&Slide hardware GU-934 Tandem

For sash weights up to max. 400 kg



1 L&S bogie																
Pattern												Designation		Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	2	2	2	4	1	1	1	3	2	4	GU-934		ferGUard	1	K-16488-00-0-1
														faceGUard	1	K-16488-00-0-18
1	1	2	2	2	4	1	1	1	3	2	4	GU-934 Tandem		ferGUard	1	K-17804-01-0-1
														faceGUard	1	K-17804-01-0-18

2 Rod Ø 8 mm																
Pattern												SW [mm]		Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	2	2	2	4	1	1	1	3	2	4	1210 – 2100		ferGUard	1	9-25476-11-0-1
														faceGUard	1	9-25476-11-0-18
												2101 – 2350		ferGUard	1	9-25476-14-0-1
														faceGUard	1	9-25476-14-0-18
												2351 – 2900		ferGUard	1	9-25476-18-0-1
														faceGUard	1	9-25476-18-0-18
												2901 – 3300		ferGUard	1	9-25476-33-0-1
														faceGUard	1	9-25476-33-0-18

3 Lift&Slide gear, 37.5 mm backset, 4 mm roller track bb and 10 mm roller track																	
Pattern												SH [mm] [1]	Finish		PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L	RT 4 mm RT 10 mm	Cover rail	Lock case, connecting rod			
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265		EV 1 / light grey	ferGUard	10	6-30021-11-0-1
														UC 5 / dark bronze	ferGUard	10	6-30021-11-0-5
												1260 – 1840 1265 – 1845		EV 1 / light grey	ferGUard	10	6-30021-19-0-1
														UC 5 / dark bronze	ferGUard	10	6-30021-19-0-5
												1840 – 2340 1845 – 2345		EV 1 / light grey	ferGUard	10	6-30021-24-0-1
														UC 5 / dark bronze	ferGUard	10	6-30021-24-0-5
														EV 1 / light grey	faceGUard	10	6-30021-24-0-18
												2340 – 2740 2345 – 2745		EV 1 / light grey	ferGUard	10	6-30021-28-0-1
														UC 5 / dark bronze	ferGUard	10	6-30021-28-0-5
														EV 1 / light grey	faceGUard	10	6-30021-28-0-18

Alternative: Lift&Slide gear, 27.5 mm backset, 4 mm roller track bb and 10 mm roller track																	
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265		EV 1 / light grey	ferGUard	10	6-30019-11-0-1
														UC 5 / dark bronze	ferGUard	10	6-30019-11-0-5
												1260 – 1840 1265 – 1845		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
												1840 – 2340 1845 – 2345		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
												2340 – 2740 2345 – 2745		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

Optional: gear extension 500 mm																
1	1	2	2	2	4	1	1	1	3	2	4	–	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

[1] The specified application range varies when using the gear extension and with pattern G1.

Lift&Slide hardware GU-934 Tandem

For sash weights up to max. 400 kg



4 Individual seals and gasket profiles



P 743 gasket profile [1]													Application	SH / SW [mm]	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
2	2	4	2	4	4	4	2	2	4	4	8	Meeting stile (vertical)	SH - 20	20 m	W751012-20-0-6	
–	–	2	–	2	2	2	–	–	2	–	6	Sash at bottom (horizontal)	SW			

P 743 gasket corner													Application	SH / SW [mm]	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
2	2	2	4	2	6	–	2	2	4	4	2	Sash, handle side (vertical) Sash at bottom (horizontal)	up to 2500	1	9-26729-25-0-6	
2	2	2	4	2	6	–	2	2	4	4	2		up to 3500	1	9-26729-35-0-6	

Accessories

L&S accessories, meeting stile													SD [mm]	ST [mm]	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	2	2	2	4	1	1	1	2	2	4	22	92, 110	1	K-18432-22-0-1	
1	1	2	2	2	4	1	1	1	2	2	4	25	90	1	K-18432-25-0-1	
1	1	2	2	2	4	1	1	1	2	2	4	28	56, 68, 78, 88	1	K-18432-28-0-1	
Contains: 2 x meeting stile gaskets																

Tension spring [2]															PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	2	2	2	4	1	1	1	3	2	4				1	9-40235-05-0-0

L&S handle damper [3]															PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	2	2	2	4	1	1	1	3	2	4				1	K-19053-00-0-6
Contains: 1 x handle damper, accessory																

Buffer S [4]														Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
-	-	-	2	-	4	-	-	-	4	-	-			black	1	K-19035-00-0-6
														white	1	K-19035-00-0-7
														cream white	1	K-19035-00-0-7Z

Contains: 1 x buffer, 1 x cover cap, fixing screws

L&S bottom keeper														Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
-	-	-	-	-	-	1	-	-	1	-	-		stainless steel	1	K-12057-00-0-1	
Contains: 1 x bottom keeper, fixing screws																

[1] You can find other versions on page 327.
[2] Recommended from a sash weight of 200 kg for reduction of the operating forces.
[3] Recommended from a sash weight of 100 kg for controlled lowering of the sliding sash.
[4] You can find suitable packers on page 225.



L&S turn handles

5 DIRIGENT interior L&S turn handle, without PC hole, incl. flush pull [1]																
Pattern												ST [mm]	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	2	2	2	4	1	1	1	3	2	4	56	silver/EV 1 look	1	K-13265-00-0-1	
													dark brown [4]	1	K-13265-00-0-5	
													white, RAL 9016	1	K-13265-00-0-7	
1	1	2	2	2	4	1	1	1	3	2	4	68, 78, 88, 90, 92, 110	silver/EV 1 look	1	K-13785-00-0-1	
													dark brown [4]	1	K-13785-00-0-5	
													white, RAL 9016	1	K-13785-00-0-7	
The following must also be ordered for each turn handle:																
Fixing screws [2]													ST [mm]	Finish	PU	Order no.
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 85 mm	78	–	1	9-13274-85-0-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	88	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	90	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 100 mm	92	–	1	9-13274-97-R-3
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 110 mm	110	–	1	9-13274-98-R-3
Square spindle [3]													ST [mm]	Finish	PU	Order no.
1	1	2	2	2	4	1	1	1	3	2	4	10 x 90 mm	88, 90, 92	–	1	9-24377-50-0-1
1	1	2	2	2	4	1	1	1	3	2	4	10 x 100 mm	110	–	1	9-24377-60-0-1

L&S accessories, hardware

6 L&S accessories, hardware																
Pattern												ST [mm]	SD [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	–	2	1	2	–	1	1	2	2	–	56, 68 / 56 – 110	10 / 28, 25, 22	ferGUard	1	K-16606-00-0-1
														faceGUard	1	K-16606-00-0-18
–	–	1	–	–	1	–	–	–	–	–	1	56, 68	10	ferGUard	1	K-16616-00-0-1 [5]
–	–	1	–	–	1	–	–	–	–	–	1	56 – 110	28, 25, 22	ferGUard	1	K-16607-00-0-1 [5]
–	–	1	–	–	–	–	–	–	–	–	–	56 – 110	28, 25, 22	ferGUard	1	K-21008-00-0-1 [6]
–	–	–	1	–	2	–	–	–	–	–	–	56 – 110	28, 25, 22	ferGUard	1	K-16610-00-0-1
–	–	–	–	1	–	–	–	–	–	–	2	68, 78	28	ferGUard	1	K-17375-00-0-1
Pattern												Guide track	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	–	–	1	–	–	–	–	–	P 1786		ferGUard	1	K-17737-00-0-1
–	–	–	–	–	–	1	–	–	–	–	–	P 1850		ferGUard	1	K-20064-00-0-1

[1] You can find other finishes and handle designs in Chapter 6.0 "Turn handles and accessories" from page 433.

[2] The fixing screws are included in the corresponding L&S accessories hardware PU for sash thicknesses 56 mm and 68 mm.

[3] The square spindle is included in the corresponding L&S turn handle PU for sash thicknesses 56 mm to 78 mm.

[4] Similar to RAL 8022.

[5] For use with P 1786 or P 1850 guide track.

[6] For use with P 2301 guide track.

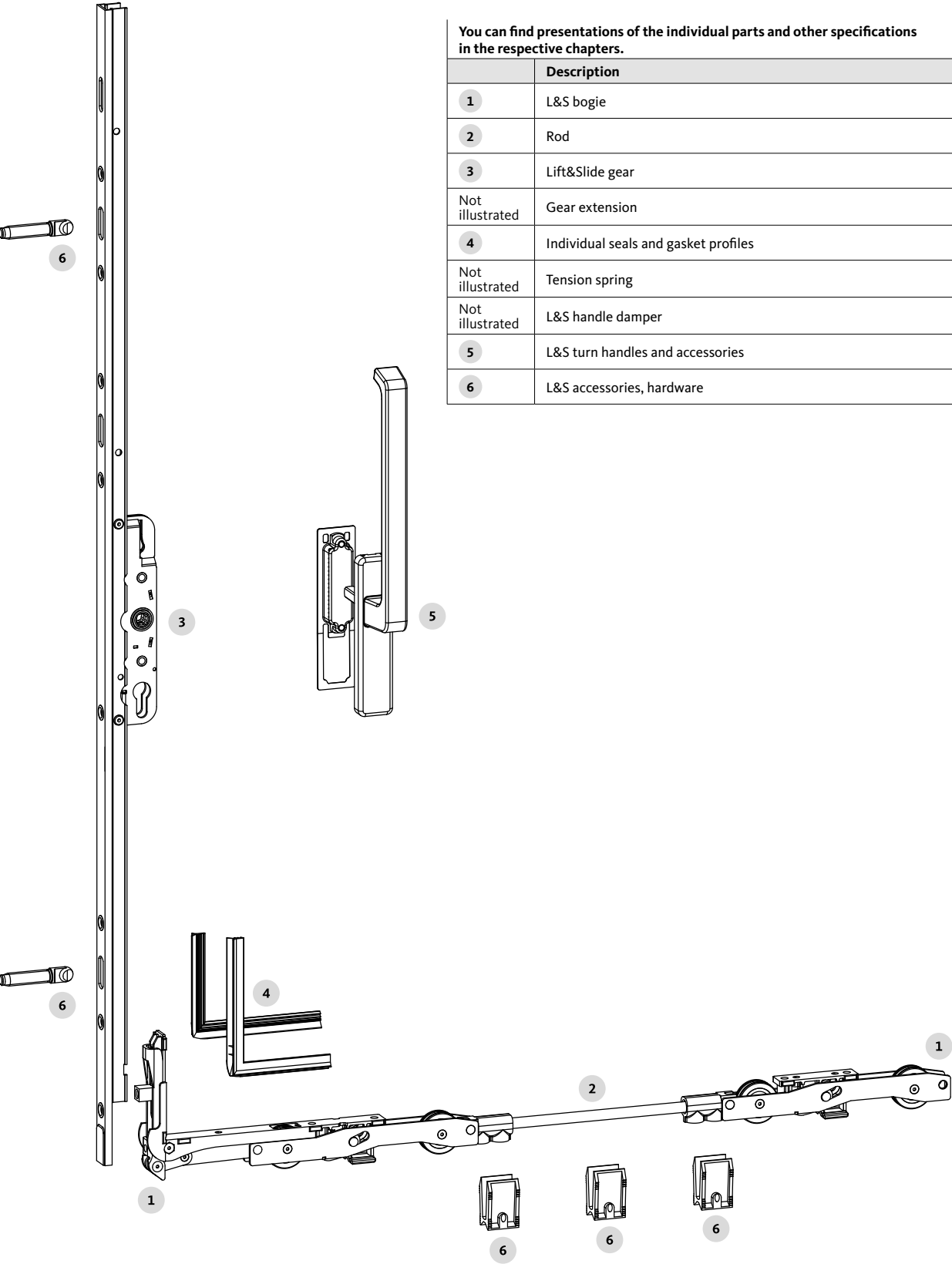
Lift&Slide hardware GU-937

For sash weights up to max. 200 kg



You can find presentations of the individual parts and other specifications in the respective chapters.

	Description	Chapters
1	L&S bogie	3.1
2	Rod	3.1
3	Lift&Slide gear	3.1
Not illustrated	Gear extension	3.1
4	Individual seals and gasket profiles	3.4
Not illustrated	Tension spring	5.0
Not illustrated	L&S handle damper	5.0
5	L&S turn handles and accessories	6.0
6	L&S accessories, hardware	3.1





1 L&S bogie

Pattern												Designation	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	GU-937	ferGUard	1	K-16493-00-0-1
													faceGUard	1	K-16493-00-0-18

2 Rod Ø 8 mm

Pattern												SW [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	700 – 1600	ferGUard	1	9-25476-11-0-1
													faceGUard	1	9-25476-11-0-18
												1601 – 1850	ferGUard	1	9-25476-14-0-1
													faceGUard	1	9-25476-14-0-18
												1851 – 2350	ferGUard	1	9-25476-18-0-1
													faceGUard	1	9-25476-18-0-18
												2351 – 3300	ferGUard	1	9-25476-33-0-1
													faceGUard	1	9-25476-33-0-18

3 Lift&Slide gear, 37.5 mm backset, 4 mm roller track bb and 10 mm roller track

Pattern												SH [mm] [1]	Finish		PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L	RT 4 mm RT 10 mm	Cover rail	Lock case, connecting rod		
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265	EV 1 / light grey	ferGUard	10	6-30021-11-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-11-0-5
												1260 – 1840 1265 – 1845	EV 1 / light grey	ferGUard	10	6-30021-19-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-19-0-5
												1840 – 2340 1845 – 2345	EV 1 / light grey	ferGUard	10	6-30021-24-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-24-0-5
													EV 1 / light grey	faceGUard	10	6-30021-24-0-18
												2340 – 2740 2345 – 2745	EV 1 / light grey	ferGUard	10	6-30021-28-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-28-0-5
													EV 1 / light grey	faceGUard	10	6-30021-28-0-18
Alternative: Lift&Slide gear, 27.5 mm backset, 4 mm roller track bb and 10 mm roller track																
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265	EV 1 / light grey	ferGUard	10	6-30019-11-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-11-0-5
												1260 – 1840 1265 – 1845	EV 1 / light grey	ferGUard	10	6-30019-19-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-19-0-5
												1840 – 2340 1845 – 2345	EV 1 / light grey	faceGUard	10	6-30019-19-0-18
													EV 1 / light grey	ferGUard	10	6-30019-24-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-24-0-5
												2340 – 2740 2345 – 2745	EV 1 / light grey	faceGUard	10	6-30019-24-0-18
													EV 1 / light grey	ferGUard	10	6-30019-28-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-28-0-5
Optional: gear extension 500 mm																
1	1	2	2	2	4	1	1	1	3	2	4	–	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

[1] The specified application range varies when using the gear extension and with pattern G1.

Lift&Slide hardware GU-937

For sash weights up to max. 200 kg



4 Individual seals and gasket profiles

P 743 gasket profile [1]													Application	SH / SW [mm]	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
2	2	4	2	4	4	4	2	2	4	4	8	Meeting stile (vertical)	SH - 20	20 m	W751012-20-0-6	
–	–	2	–	2	2	2	–	–	2	–	6	Sash at bottom (horizontal)	SW			

P 743 gasket corner													Application	Length [mm]	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
2	2	2	4	2	6	–	2	2	4	4	2	Sash, handle side (vertical) Sash at bottom (horizontal)	2500	1	9-26729-25-0-6	
2	2	2	4	2	6	–	2	2	4	4	2		3500	1	9-26729-35-0-6	

Accessories

L&S accessories, meeting stile													SD [mm]	ST [mm]	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	2	2	2	4	1	1	1	2	2	4	22	92, 110	1	K-18432-22-0-1	
1	1	2	2	2	4	1	1	1	2	2	4	25	90	1	K-18432-25-0-1	
1	1	2	2	2	4	1	1	1	2	2	4	28	56, 68, 78, 88	1	K-18432-28-0-1	
Contains: 2 x meeting stile gaskets																

L&S handle damper [2]													PU	Order no.
Pattern														
A	A3	C	D	E	F	G1	G2	G3	H	K	L			
1	1	2	2	2	4	1	1	1	3	2	4		1	K-19053-00-0-6
Contains: 1 x handle damper, accessory														

Buffer S [3]														Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
-	-	-	2	-	4	-	-	-	4	-	-		black	1	K-19035-00-0-6	
													white	1	K-19035-00-0-7	
													cream white	1	K-19035-00-0-7Z	
Contains: 1 x buffer, 1 x cover cap, fixing screws																

L&S bottom keeper														Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
-	-	-	-	-	-	1	-	-	1	-	-		stainless steel	1	K-12057-00-0-1	
Contains: 1 x bottom keeper, fixing screws																

[1] You can find other versions on page 327.
[2] Recommended from a sash weight of 100 kg for controlled lowering of the sliding sash.
[3] You can find suitable packers on page 225.



L&S turn handles

5 DIRIGENT interior L&S turn handle, without PC hole, incl. flush pull [1]																
Pattern												ST [mm]	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	2	2	2	4	1	1	1	3	2	4	56	silver/EV 1 look	1	K-13265-00-0-1	
													dark brown [4]	1	K-13265-00-0-5	
													white, RAL 9016	1	K-13265-00-0-7	
1	1	2	2	2	4	1	1	1	3	2	4	68, 78, 88, 90, 92, 110	silver/EV 1 look	1	K-13785-00-0-1	
													dark brown [4]	1	K-13785-00-0-5	
													white, RAL 9016	1	K-13785-00-0-7	
The following must also be ordered for each turn handle:																
Fixing screws [2]													ST [mm]	Finish	PU	Order no.
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 85 mm	78	–	1	9-13274-85-0-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	88	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	90	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 100 mm	92	–	1	9-13274-97-R-3
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 110 mm	110	–	1	9-13274-98-R-3
Square spindle [3]													ST [mm]	Finish	PU	Order no.
1	1	2	2	2	4	1	1	1	3	2	4	10 x 90 mm	88, 90, 92	–	1	9-24377-50-0-1
1	1	2	2	2	4	1	1	1	3	2	4	10 x 100 mm	110	–	1	9-24377-60-0-1

L&S accessories, hardware

6 L&S accessories, hardware																
Pattern												ST [mm]	SD [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	–	2	1	2	–	1	1	2	2	–	56, 68 / 56 – 110	10 / 28, 25, 22	ferGUard	1	K-16608-00-0-1
–	–	1	–	–	1	–	–	–	–	–	1	56, 68	10	ferGUard	1	K-16616-00-0-1 [5]
–	–	1	–	–	1	–	–	–	–	–	1	56 – 110	28, 25, 22	ferGUard	1	K-16609-00-0-1 [5]
–	–	1	–	–	–	–	–	–	–	–	–	56 – 110	28, 25, 22	ferGUard	1	K-21009-00-0-1 [6]
–	–	–	1	–	2	–	–	–	–	–	–	56 – 110	28, 25, 22	ferGUard	1	K-21145-00-0-1
–	–	–	–	1	–	–	–	–	–	–	2	68, 78	28	ferGUard	1	K-17378-00-0-1
Pattern												Guide track	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	–	–	1	–	–	–	–	–	P 1786		ferGUard	1	K-20065-00-0-1
–	–	–	–	–	–	1	–	–	–	–	–	P 1850		ferGUard	1	K-18079-00-0-1

[1] You can find other finishes and handle designs in Chapter 6.0 "Turn handles and accessories" from page 433.

[2] The fixing screws are included in the corresponding L&S accessories hardware PU for sash thicknesses 56 mm and 68 mm.

[3] The square spindle is included in the corresponding L&S turn handle PU for sash thicknesses 56 mm to 78 mm.

[4] Similar to RAL 8022.

[5] For use with P 1786 or P 1850 guide track.

[6] For use with P 2301 guide track.

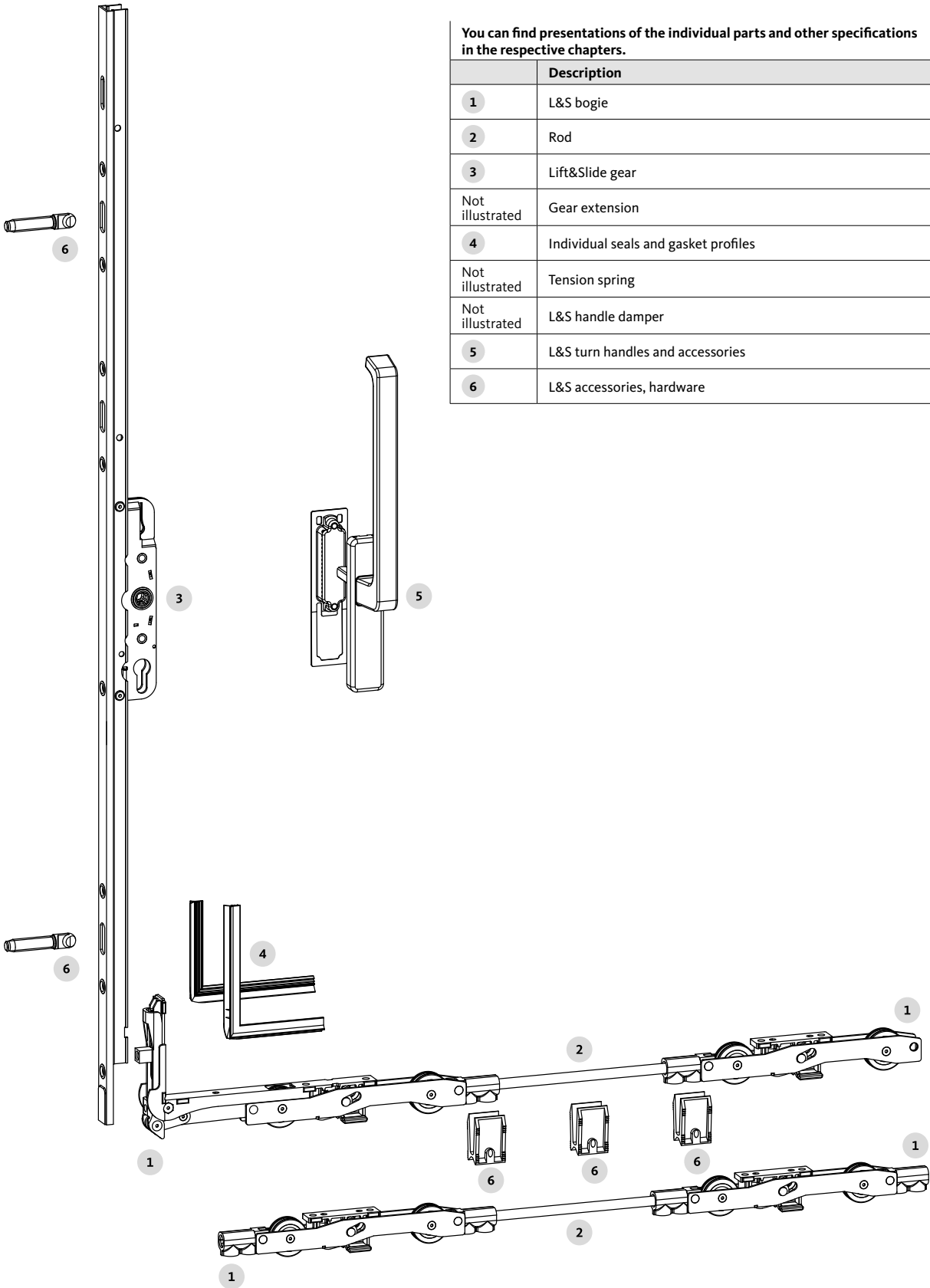
Lift&Slide hardware GU-937 Tandem

For sash weights up to max. 400 kg



You can find presentations of the individual parts and other specifications in the respective chapters.

	Description	Chapters
1	L&S bogie	3.1
2	Rod	3.1
3	Lift&Slide gear	3.1
Not illustrated	Gear extension	3.1
4	Individual seals and gasket profiles	3.4
Not illustrated	Tension spring	5.0
Not illustrated	L&S handle damper	5.0
5	L&S turn handles and accessories	6.0
6	L&S accessories, hardware	3.1



Lift&Slide hardware GU-937 Tandem

For sash weights up to max. 400 kg



1 L&S bogie															
Pattern												Designation	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	GU-937	ferGUard	1	K-16493-00-0-1
													faceGUard	1	K-16493-00-0-18
1	1	2	2	2	4	1	1	1	3	2	4	GU-937 Tandem	ferGUard	1	K-17759-01-0-1
													faceGUard	1	K-17759-01-0-18

2 Rod Ø 8 mm															
Pattern												SW [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
1	1	2	2	2	4	1	1	1	3	2	4	1210 – 2100	ferGUard	1	9-25476-11-0-1
													faceGUard	1	9-25476-11-0-18
												2101 – 2350	ferGUard	1	9-25476-14-0-1
													faceGUard	1	9-25476-14-0-18
												2351 – 2900	ferGUard	1	9-25476-18-0-1
													faceGUard	1	9-25476-18-0-18
												2901 – 3300	ferGUard	1	9-25476-33-0-1
													faceGUard	1	9-25476-33-0-18

3 Lift&Slide gear, 37.5 mm backset, 4 mm roller track bb and 10 mm roller track																
Pattern												SH [mm] [1]	Finish		PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L		RT 4 mm RT 10 mm	Cover rail		
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265	EV 1 / light grey	ferGUard	10	6-30021-11-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-11-0-5
												1260 – 1840 1265 – 1845	EV 1 / light grey	ferGUard	10	6-30021-19-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-19-0-5
												1840 – 2340 1845 – 2345	EV 1 / light grey	ferGUard	10	6-30021-24-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-24-0-5
													EV 1 / light grey	faceGUard	10	6-30021-24-0-18
												2340 – 2740 2345 – 2745	EV 1 / light grey	ferGUard	10	6-30021-28-0-1
													UC 5 / dark bronze	ferGUard	10	6-30021-28-0-5
													EV 1 / light grey	faceGUard	10	6-30021-28-0-18

Alternative: Lift&Slide gear, 27.5 mm backset, 4 mm roller track bb and 10 mm roller track																
1	1	2	2	2	4	1	1	1	3	2	4	840 – 1260 845 – 1265	EV 1 / light grey	ferGUard	10	6-30019-11-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-11-0-5
												1260 – 1840 1265 – 1845	EV 1 / light grey	ferGUard	10	6-30019-19-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-19-0-5
												1840 – 2340 1845 – 2345	EV 1 / light grey	faceGUard	10	6-30019-19-0-18
													EV 1 / light grey	ferGUard	10	6-30019-24-0-1
													UC 5 / dark bronze	ferGUard	10	6-30019-24-0-5
												2340 – 2740 2345 – 2745	EV 1 / light grey	faceGUard	10	6-30019-24-0-18
													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													

Optional: gear extension 500 mm																
1	1	2	2	2	4	1	1	1	3	2	4	–	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

[1] The specified application range varies when using the gear extension and with pattern G1.

Lift&Slide hardware GU-937 Tandem

For sash weights up to max. 400 kg



4 Individual seals and gasket profiles

P 743 gasket profile [1]													Application	SH / SW [mm]	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
2	2	4	2	4	4	4	2	2	4	4	8	Meeting stile (vertical)	SH - 20	20 m	W751012-20-0-6	
–	–	2	–	2	2	2	–	–	2	–	6	Sash at bottom (horizontal)	SW			

P 743 gasket corner													Application	Length [mm]	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
2	2	2	4	2	6	–	2	2	4	4	2	Sash, handle side (vertical) Sash at bottom (horizontal)	2500	1	9-26729-25-0-6	
2	2	2	4	2	6	–	2	2	4	4	2		3500	1	9-26729-35-0-6	

Accessories

L&S accessories, meeting stile													SD [mm]	ST [mm]	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	2	2	2	4	1	1	1	2	2	4	22	92, 110	1	K-18432-22-0-1	
1	1	2	2	2	4	1	1	1	2	2	4	25	90	1	K-18432-25-0-1	
1	1	2	2	2	4	1	1	1	2	2	4	28	56, 68, 78, 88	1	K-18432-28-0-1	
Contains: 2 x meeting stile gaskets																

Tension spring [2]													PU	Order no.
Pattern														
A	A3	C	D	E	F	G1	G2	G3	H	K	L			
1	1	2	2	2	4	1	1	1	3	2	4		1	9-40235-05-0-0

L&S handle damper [3]													PU	Order no.
Pattern														
A	A3	C	D	E	F	G1	G2	G3	H	K	L			
1	1	2	2	2	4	1	1	1	3	2	4		1	K-19053-00-0-6
Contains: 1 x handle damper, accessory														

Buffer S [4]													Finish	PU	Order no.
Pattern															
A	A3	C	D	E	F	G1	G2	G3	H	K	L				
-	-	-	2	-	4	-	-	-	4	-	-		black	1	K-19035-00-0-6
													white	1	K-19035-00-0-7
													cream white	1	K-19035-00-0-7Z
Contains: 1 x buffer, 1 x cover cap, fixing screws															

L&S bottom keeper														Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
-	-	-	-	-	-	1	-	-	1	-	-		stainless steel	1	K-12057-00-0-1	
Contains: 1 x bottom keeper, fixing screws																

[1] You can find other versions on page 327.
[2] Recommended from a sash weight of 200 kg for reduction of the operating forces.
[3] Recommended from a sash weight of 100 kg for controlled lowering of the sliding sash.
[4] You can find suitable packers on page 225.



L&S turn handles

5 DIRIGENT interior L&S turn handle, without PC hole, incl. flush pull [1]																
Pattern												ST [mm]	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	2	2	2	4	1	1	1	3	2	4	56	silver/EV 1 look	1	K-13265-00-0-1	
													dark brown [4]	1	K-13265-00-0-5	
													white, RAL 9016	1	K-13265-00-0-7	
1	1	2	2	2	4	1	1	1	3	2	4	68, 78, 88, 90, 92, 110	silver/EV 1 look	1	K-13785-00-0-1	
													dark brown [4]	1	K-13785-00-0-5	
													white, RAL 9016	1	K-13785-00-0-7	
The following must also be ordered for each turn handle:																
Fixing screws [2]													ST [mm]	Finish	PU	Order no.
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 85 mm	78	–	1	9-13274-85-0-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	88	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 95 mm	90	–	1	9-13274-95-R-1
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 100 mm	92	–	1	9-13274-97-R-3
2	2	4	4	4	8	2	2	2	6	4	8	M6 x 110 mm	110	–	1	9-13274-98-R-3
Square spindle [3]													ST [mm]	Finish	PU	Order no.
1	1	2	2	2	4	1	1	1	3	2	4	10 x 90 mm	88, 90, 92	–	1	9-24377-50-0-1
1	1	2	2	2	4	1	1	1	3	2	4	10 x 100 mm	110	–	1	9-24377-60-0-1

L&S accessories, hardware

6 L&S accessories, hardware																
Pattern												ST [mm]	SD [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	–	2	1	2	–	1	1	2	2	–	56, 68 / 56 – 110	10 / 28, 25, 22	ferGUard	1	K-16608-00-0-1
–	–	1	–	–	1	–	–	–	–	–	1	56, 68	10	ferGUard	1	K-16616-00-0-1 [5]
–	–	1	–	–	1	–	–	–	–	–	1	56 – 110	28, 25, 22	ferGUard	1	K-16609-00-0-1 [5]
–	–	1	–	–	–	–	–	–	–	–	–	56 – 110	28, 25, 22	ferGUard	1	K-21009-00-0-1 [6]
–	–	–	1	–	2	–	–	–	–	–	–	56 – 110	28, 25, 22	ferGUard	1	K-21145-00-0-1
–	–	–	–	1	–	–	–	–	–	–	2	68, 78	28	ferGUard	1	K-17378-00-0-1
Pattern												Guide track	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	–	–	–	–	–	1	–	–	–	–	–	P 1786		ferGUard	1	K-20065-00-0-1
–	–	–	–	–	–	1	–	–	–	–	–	P 1850		ferGUard	1	K-18079-00-0-1

[1] You can find other finishes and handle designs in Chapter 6.0 "Turn handles and accessories" from page 433.

[2] The fixing screws are included in the corresponding L&S accessories hardware PU for sash thicknesses 56 mm and 68 mm.

[3] The square spindle is included in the corresponding L&S turn handle PU for sash thicknesses 56 mm to 78 mm.

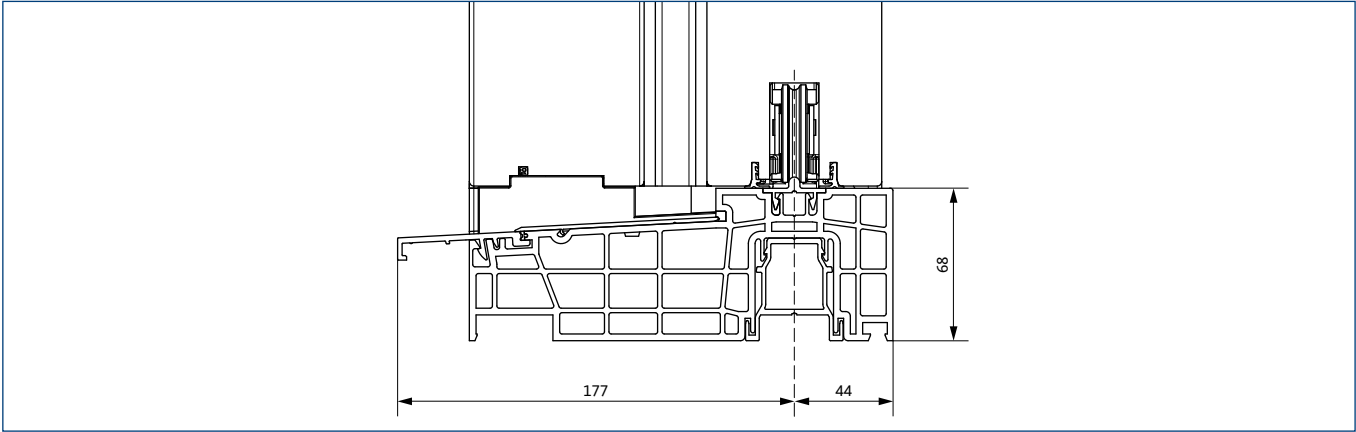
[4] Similar to RAL 8022.

[5] For use with P 1786 or P 1850 guide track.

[6] For use with P 2301 guide track.

GU-thermostep 204 threshold

Sash thickness 78 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-thermostep 204 base profile													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
1	1	1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	6-36035-30-0-1	
													3500	EV 1 / light grey	1	6-36035-35-0-1	
													4000	EV 1 / light grey	1	6-36035-40-0-1	
													4500	EV 1 / light grey	1	6-36035-45-0-1	
													5000	EV 1 / light grey	1	6-36035-50-0-1	
													6700	EV 1 / light grey	1	6-36035-67-0-1	

For total frame widths from 6701 mm

L&S coupling part														Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	1	1	1	1	1	1	1	1	1	1		–	1	K-18751-00-0-1	
Contains: 2 x coupling part, 1 x gasket plate, accessories																

GU-thermostep 204 threshold

Sash thickness 78 mm, sash distance 28 mm



Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1987 attachment track 19/71													ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L							
1	–	2	–	–	–	2	2	1	–	2	–		78	Length = SW	2000	EV 1 / light grey	1	P-01987-20-0-1
															2500	EV 1 / light grey	1	P-01987-25-0-1
															3350	EV 1 / light grey	1	P-01987-33-0-1

L&S accessories, threshold													ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L							
1	–	2	–	–	–	2	1	1	–	2	–		78			–	1	K-18701-00-0-1

Contains: end caps, gasket plates

Tread thresholds, drip rails and roller tracks – for total frame widths up to 5000 mm

L&S tread threshold – 4 mm roller track													ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L							
1	–	1	–	–	–	1	1	1	–	1	–		78	Length = TFW	3500	EV 1 / light grey	1	K-18687-35-0-1
															5000	EV 1 / light grey	1	K-18687-50-0-1

Contains: 1 x tread threshold, 1 x drip rail, 1 x P 2209 roller track bb (4 mm)

Alternative: L&S tread threshold – 10 mm roller track													ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L							
1	–	1	–	–	–	1	1	1	–	1	–		78	Length = TFW	3500	EV 1 / light grey	1	K-18688-35-0-1
															5000	EV 1 / light grey	1	K-18688-50-0-1

Contains: 1 x tread threshold, 1 x drip rail, 1 x P 1659 roller track 10 (10 mm)

Tread thresholds, drip rails and roller tracks for total frame widths from 5001 mm

P 1950 tread threshold													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
1	–	2	–	–	–	1	1	1	–	2	–		Length = SW	3300	EV 1 / light grey	1	P-01950-33-0-1

P 2151 drip rail													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
1	–	1	–	–	–	1	1	1	–	1	–		Length = TFW	6700	EV 1 / light grey	1	P-02151-67-0-1

P 2209 roller track bb (4 mm)													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
1	–	1	–	–	–	1	1	1	–	1	–		Length = TFW	6700	EV 1 / light grey	1	P-02209-67-0-1

Alternative: P 1659 roller track 10 (10 mm)

A	A3	C	D	E	F	G1	G2	G3	H	K	L		Length = TFW	6700	EV 1 / light grey	1	9-39330-67-0-1
1	–	1	–	–	–	1	1	1	–	1	–				UC 5 / dark bronze	1	9-39330-67-0-5

Alternative: P 1635 roller track 15 (15 mm)

A	A3	C	D	E	F	G1	G2	G3	H	K	L		Length = TFW	6700	EV 1 / light grey	1	9-39311-67-0-1
1	–	1	–	–	–	1	1	1	–	1	–				UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 232 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 204 threshold

Sash thickness 78 mm, sash distance 28 mm



Hardware requirements – patterns A3, D, F, H | (continued on page 119)

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track													ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L							
-	1	-	1	-	2	-	-	-	1	-	-		78	Length = SW	2500	EV 1 / light grey	1	K-18706-25-0-1
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x gasket profile																		

Attachment tracks for total frame widths from 5001 mm

Attachment tracks and gasket profile													ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L							
P 1988 attachment track-1 19/71																		
-	1	-	1	-	2	-	-	-	1	-	-		78	Length = SW	3350	EV 1 / light grey	1	P-01988-33-0-1
P 1988 attachment track-2 19/71																		
-	1	-	1	-	2	-	-	-	1	-	-		78	Length = SW	3350	EV 1 / light grey	1	9-48285-33-0-1
P 1645 gasket profile																		
-	1	-	1	-	2	-	-	-	1	-	-		-	Length = SW	3350	black	1	9-39736-33-0-6

L&S accessories, threshold

L&S accessories, threshold – 4 mm roller track bb													ST [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
–	1	–	1	–	2	–	–	–	2	–	–	78	–	1	K-18711-05-0-1	
Alternative: L&S accessories, threshold – 10 mm roller track																
–	1	–	1	–	2	–	–	–	2	–	–	78	–	1	K-18711-10-0-1	
Contains: 1 x tread threshold, end caps, gaskets, fixing screws																

Drip rails

P 2151 drip rail													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	1	-	1	-	1	-	-	-	1	-	-	Length = TFW		3000	EV 1 / light grey	1	P-02151-30-0-1
														4000	EV 1 / light grey	1	P-02151-40-0-1
														5000	EV 1 / light grey	1	P-02151-50-0-1
															UC 5 / dark bronze	1	P-02151-50-0-5
														6700	EV 1 / light grey	1	P-02151-67-0-1

Hardware requirements – patterns A3, D, F, H

Roller tracks

P 2209 roller track bb (4 mm)													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	1	-	2	-	2	-	-	-	2	-	-	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
													4000	EV 1 / light grey	1	P-02209-40-0-1	
													5000	EV 1 / light grey	1	P-02209-50-0-1	
													6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)																	
-	1	-	2	-	2	-	-	-	2	-	-	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
													6700	EV 1 / light grey	1	9-39330-67-0-1	
														UC 5 / dark bronze	1	9-39330-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 232 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 204 threshold

Sash thickness 78 mm, sash distance 28 mm



Hardware requirements – patterns E, L | (continued on page 121)

P 1719 extension profile																	
Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	-	1	Length = TFW	6700	EV 1 / light grey	1	P-01719-67-0-1
P 1721 tread threshold																	
Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	-	1	Length = ⅔ TFW	4600	EV 1 / light grey	1	P-01721-46-0-1
P 1951 comfort profile																	
Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	-	1	Length = ⅔ TFW	3300	EV 1 / light grey	1	P-01951-33-0-1
P 1988 attachment track-1 19/71 Centre sash																	
Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	-	1	Length = ⅔ TFW	2000	EV 1 / light grey	1	P-01988-20-0-1
														2500	EV 1 / light grey	1	P-01988-25-0-1
														3350	EV 1 / light grey	1	P-01988-33-0-1
P 1987 attachment track 19/71 Fixed-glazed sash																	
Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	-	1	Length = ⅔ TFW	2000	EV 1 / light grey	1	P-01987-20-0-1
														2500	EV 1 / light grey	1	P-01987-25-0-1
														3350	EV 1 / light grey	1	P-01987-33-0-1
L&S accessories, threshold – 4 mm roller track																	
Pattern												ST [mm]	Finish	PU	Order no.		
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	-	2	78	-	1	K-20072-05-0-1	
Contains: end caps, gaskets																	
Intermediate profile 35 Centre sash																	
Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	-	1	Length = ⅔ TFW	6000	EV 1 / light grey	1	P-02124-60-0-1
Intermediate profile 35 Fixed-glazed sash																	
Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	-	1	Length = ⅔ TFW	6000	EV 1 / light grey	1	P-02124-60-0-1

Hardware requirements – patterns E, L

P 2151 drip rail																
Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
-	-	-	-	1	-	-	-	-	-	-	1	Length = TFW	3000	EV 1 / light grey	1	P-02151-30-0-1
													4000	EV 1 / light grey	1	P-02151-40-0-1
													5000	EV 1 / light grey	1	P-02151-50-0-1
														UC 5 / dark bronze	1	P-02151-50-0-5
													6700	EV 1 / light grey	1	P-02151-67-0-1

P 2209 roller track bb (4 mm)													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	1	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
-	-	-	-	1	-	-	-	-	-	-	1	Length = ⅔ TFW	4000	EV 1 / light grey	1	P-02209-40-0-1	
													5000	EV 1 / light grey	1	P-02209-50-0-1	
													6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)																	
-	-	-	-	1	-	-	-	-	-	-	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
-	-	-	-	1	-	-	-	-	-	-	1	Length = ⅔ TFW	6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze		1	9-39330-67-0-5		
Alternative: P 1635 roller track 15 (15 mm)																	
-	-	-	-	1	-	-	-	-	-	-	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
-	-	-	-	1	-	-	-	-	-	-	1	Length = ⅔ TFW	4000	EV 1 / light grey	1	9-39311-40-0-1	
													5000	EV 1 / light grey	1	9-39311-50-0-1	
													6700	EV 1 / light grey	1	9-39311-67-0-1	
														UC 5 / dark bronze	1	9-39311-67-0-5	

Corner connection parts – all patterns

L&S corner connector													ST [mm]	FW [mm]	Finish	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
1	1	1	1	1	1	1	2	1	1	1	1	78	63	grey	1	K-17914-03-0-1	
1	1	1	1	1	1	1	2	1	1	1	1	78	56	grey	1	K-18493-03-0-1	
Contains: 2 x corner connector, 2 x gasket plate																	

Contains: 2 x corner connector, 2 x gasket plate

L&S corner connector extension														Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
-	-	-	-	1	-	-	-	-	-	-	1		grey	1	K-18313-02-0-1	

Contains: 2 x corner connector

L&S corner connection parts													Description	Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1	

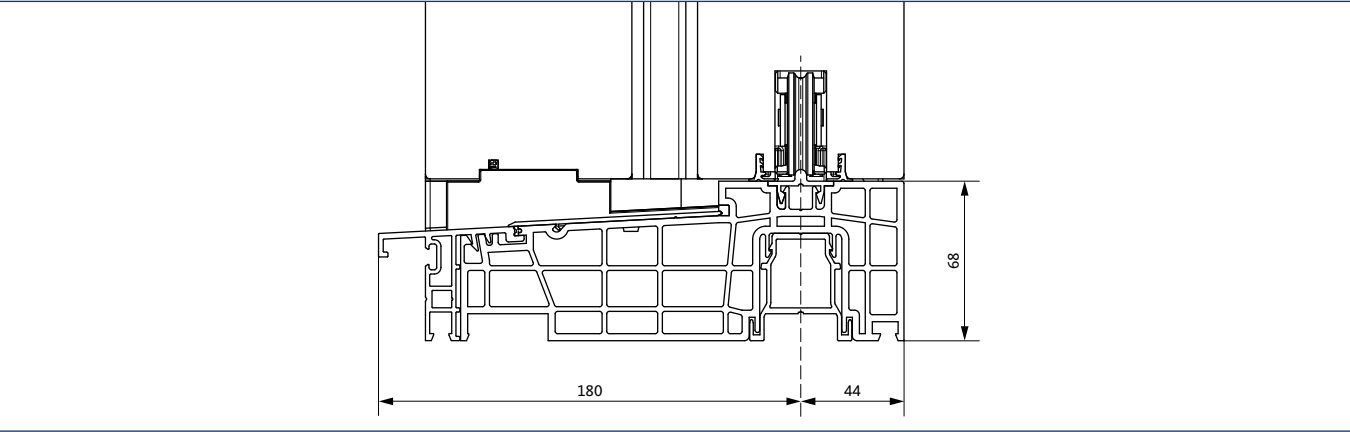
Contains: 4 x segmental nut, 4 x washer, fixing screws

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 232 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 204 threshold

Sash thickness 88 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-thermostep 204 base profile											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	6-36035-30-0-1	
											3500	EV 1 / light grey	1	6-36035-35-0-1	
											4000	EV 1 / light grey	1	6-36035-40-0-1	
											4500	EV 1 / light grey	1	6-36035-45-0-1	
											5000	EV 1 / light grey	1	6-36035-50-0-1	
											6700	EV 1 / light grey	1	6-36035-67-0-1	

For total frame widths from 6701 mm

L&S coupling part												Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1					
Contains: 2 x coupling part, 1 x gasket plate, accessories												-	1	K-18751-00-0-1

GU-thermostep 204 threshold

Sash thickness 88 mm, sash distance 28 mm



Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1993 attachment track 19/81											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
1	–	2	–	–	2	2	1	–	2	88	Length = SW	2500	EV 1 / light grey	1	P-01993-25-0-1	
												3300	EV 1 / light grey	1	P-01993-33-0-1	

L&S accessories, threshold											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	2	1	1	–	2	88	–	1	K-18702-00-0-1	
Contains: end caps, gasket plates														

Tread thresholds, drip rails and roller tracks for total frame widths up to 5000 mm

L&S tread threshold – 4 mm roller track											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
1	–	1	–	–	1	1	1	–	1	88, 90, 92	Length = TFW	3500	EV 1 / light grey	1	K-18690-35-0-1	
												5000	EV 1 / light grey	1	K-18690-50-0-1	
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 2209 roller track bb (4 mm)																
Alternative: L&S tread threshold – 10 mm roller track																
1	–	1	–	–	1	1	1	–	1	88, 90, 92	Length = TFW	3500	EV 1 / light grey	1	K-18691-35-0-1	
												5000	EV 1 / light grey	1	K-18691-50-0-1	
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 1659 roller track 10 (10 mm)																

Tread thresholds, drip rails and roller tracks for total frame widths from 5001 mm

P 1950 tread threshold											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	1	1	1	–	2	Length = SW	3300	EV 1 / light grey	1	P-01950-33-0-1	

P 1927 drip rail 15											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-47293-67-0-1	

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)															
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39311-67-0-1	
												UC 5 / dark bronze	1	9-39311-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 232 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 204 threshold

Sash thickness 88 mm, sash distance 28 mm



Hardware requirements – patterns A3, D, F, H | (continued on page 125)

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
-	1	-	1	2	-	-	-	1	-	88	Length = SW	2500	EV 1 / light grey	1	K-18707-25-0-1	
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x gasket profile																

Attachment tracks for total frame widths from 5001 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
P 1994 attachment track-1 19/81																
-	1	-	1	2	-	-	-	1	-	88	Length = SW	3350	EV 1 / light grey	1	P-01994-33-0-1	
P 1994 attachment track-2 19/81																
-	1	-	1	2	-	-	-	1	-	88	Length = SW	3350	EV 1 / light grey	1	9-48288-33-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	-	-	Length = SW	3350	black	1	9-39736-33-0-6	

L&S accessories, threshold

L&S accessories, threshold – 4 mm roller track bb											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	2	–	–	–	2	–	88	–	1	K-18712-05-0-1	
Alternative: L&S accessories, threshold – 10 mm roller track														
–	1	–	1	2	–	–	–	2	–	88	–	1	K-18712-10-0-1	
Contains: 1 x tread threshold, end caps, gaskets, fixing screws														

Drip rails

P 1927 drip rail 15											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
-	1	-	1	1	-	-	-	1	-	Length = TFW	3000	EV 1 / light grey	1	9-47293-30-0-1	
											3500	EV 1 / light grey	1	9-47293-35-0-1	
											4000	EV 1 / light grey	1	9-47293-40-0-1	
											4500	EV 1 / light grey	1	9-47293-45-0-1	
											5000	EV 1 / light grey	1	9-47293-50-0-1	
											6700	EV 1 / light grey	1	9-47293-67-0-1	

GU-thermostep 204 threshold

Sash thickness 88 mm, sash distance 28 mm



Hardware requirements – patterns A3, D, F, H

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	2	2	–	–	–	2	–	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
–	1	–	2	2	–	–	–	2	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	

Corner connection parts – all patterns

L&S corner connector															
Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.	
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-01-0-1	
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-01-0-1	
Contains: 2 x corner connector, 2 x gasket plate															

Contains: 2 x corner connector, 2 x gasket plate

L&S corner connection parts											Description	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1	

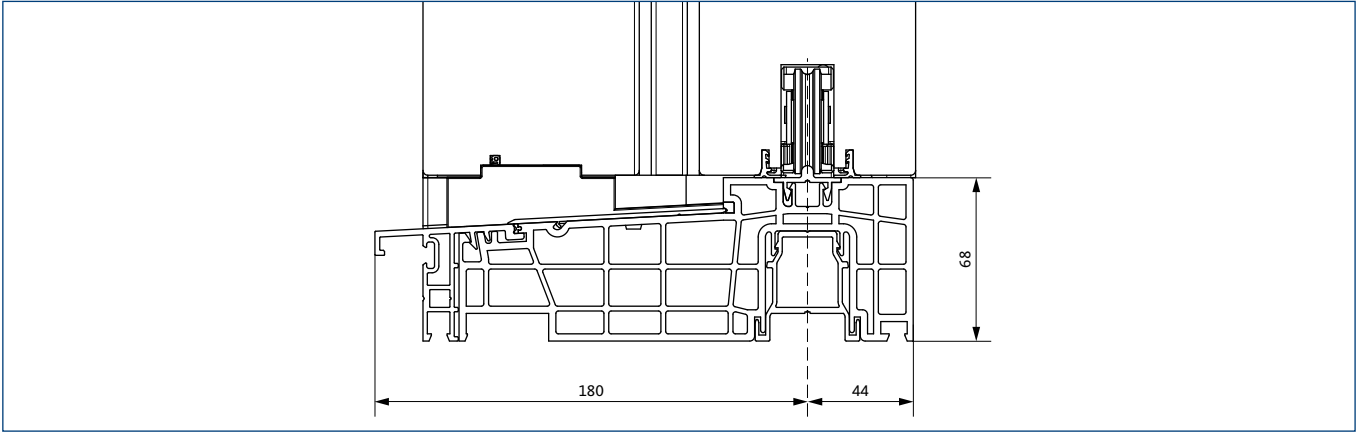
Contains: 4 x segmental nut, 4 x washer, fixing screws

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 232 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 204 threshold

Sash thickness 90 mm, sash distance 25 mm



Threshold base profile – all patterns

GU-thermostep 204 base profile															
Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	6-36035-30-0-1	
											3500	EV 1 / light grey	1	6-36035-35-0-1	
											4000	EV 1 / light grey	1	6-36035-40-0-1	
											4500	EV 1 / light grey	1	6-36035-45-0-1	
											5000	EV 1 / light grey	1	6-36035-50-0-1	
											6700	EV 1 / light grey	1	6-36035-67-0-1	

For total frame widths from 6701 mm

L&S coupling part												Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1					
Contains: 2 x coupling part, 1 x gasket plate, accessories												-	1	K-18751-00-0-1

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1991 attachment track 19/80											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
1	–	2	–	–	2	2	1	–	2	90	Length = SW	2500	EV 1 / light grey	1	P-01991-25-0-1	
												3350	EV 1 / light grey	1	P-01991-33-0-1	

L&S accessories, threshold											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	2	1	1	–	2	90	–	1	K-18703-00-0-1	
Contains: end caps, gasket plates														

Tread thresholds, drip rails and roller tracks for total frame widths up to 5000 mm

L&S tread threshold – 4 mm roller track											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
1	–	1	–	–	1	1	1	–	1	88, 90, 92	Length = TFW	3500	EV 1 / light grey	1	K-18690-35-0-1	
												5000	EV 1 / light grey	1	K-18690-50-0-1	
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 2209 roller track bb (4 mm)																
Alternative: L&S tread threshold – 10 mm roller track											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
1	–	1	–	–	1	1	1	–	1	88, 90, 92	Length = TFW	3500	EV 1 / light grey	1	K-18691-35-0-1	
												5000	EV 1 / light grey	1	K-18691-50-0-1	
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 1659 roller track 10 (10 mm)																

Tread thresholds, drip rails and roller tracks for total frame widths from 5001 mm

P 1950 tread threshold											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	1	1	1	–	2	Length = SW	3300	EV 1 / light grey	1	P-01950-33-0-1	

P 1927 drip rail 15											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-47293-67-0-1	

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)															
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39311-67-0-1	
												UC 5 / dark bronze	1	9-39311-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 232 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 204 threshold

Sash thickness 90 mm, sash distance 25 mm



Hardware requirements – patterns A3, D, F, H | (continued on page 129)

Attachment tracks for total frame widths up to 5000 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
P 1992 attachment track-1 19/80																
-	1	-	1	2	-	-	-	1	-	90	Length = SW	2500	EV 1 / light grey	1	P-01992-25-0-1	
P 1992 attachment track-2 19/80																
-	1	-	1	2	-	-	-	1	-	90	Length = SW	2500	EV 1 / light grey	1	9-48287-25-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	-	-	Length = SW	3350	black	1	9-39736-33-0-6	

Attachment tracks for total frame widths from 5001 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
P 1992 attachment track-1 19/80																
-	1	-	1	2	-	-	-	1	-	90	Length = SW	3350	EV 1 / light grey	1	P-01992-33-0-1	
P 1992 attachment track-2 19/80																
-	1	-	1	2	-	-	-	1	-	90	Length = SW	3350	EV 1 / light grey	1	9-48287-33-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	-	-	Length = SW	3350	black	1	9-39736-33-0-6	

L&S accessories, threshold

L&S accessories, threshold – 4 mm roller track bb											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	2	–	–	–	2	–	90	–	1	K-18713-05-0-1	
Alternative: L&S accessories, threshold – 10 mm roller track														
–	1	–	1	2	–	–	–	2	–	90	–	1	K-18713-10-0-1	
Contains: 1 x tread threshold, end caps, gaskets, fixing screws														

Drip rails

P 1927 drip rail 15											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
-	1	-	1	1	-	-	-	1	-	Length = TFW	3000	EV 1 / light grey	1	9-47293-30-0-1	
											3500	EV 1 / light grey	1	9-47293-35-0-1	
											4000	EV 1 / light grey	1	9-47293-40-0-1	
											4500	EV 1 / light grey	1	9-47293-45-0-1	
											5000	EV 1 / light grey	1	9-47293-50-0-1	
											6700	EV 1 / light grey	1	9-47293-67-0-1	

GU-thermostep 204 threshold

Sash thickness 90 mm, sash distance 25 mm



Hardware requirements – patterns A3, D, F, H

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
-	1	-	2	2	-	-	-	2	-	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
-	1	-	2	2	-	-	-	2	-	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	

Corner connection parts – all patterns

L&S corner connector											ST [mm]	FW [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-01-0-1	
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-01-0-1	
Contains: 2 x corner connector, 2 x gasket plate															

Contains: 2 x corner connector, 2 x gasket plate

L&S corner connection parts											Description	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws														

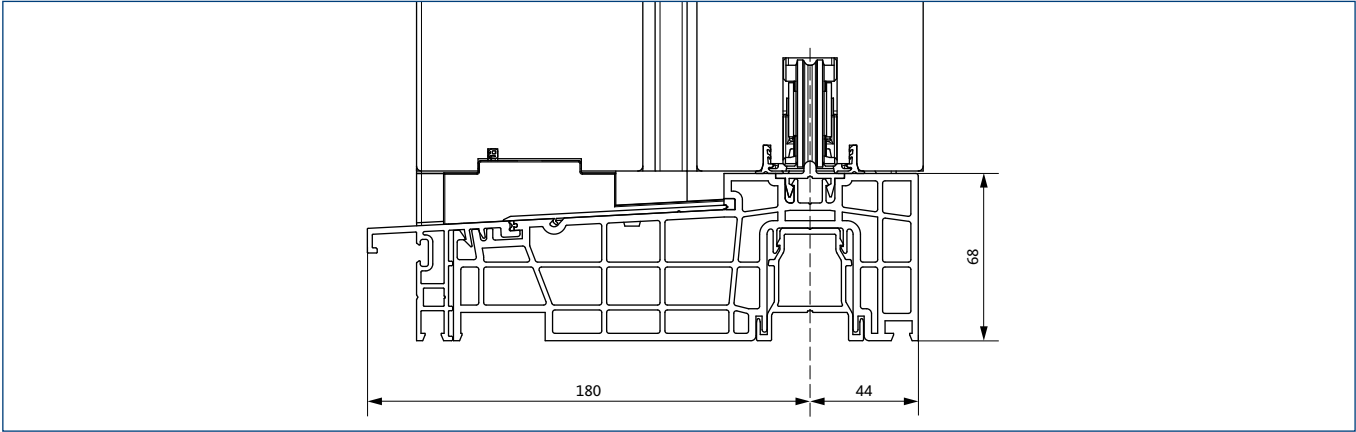
Contains: 4 x segmental nut, 4 x washer, fixing screws

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 232 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 204 threshold

Sash thickness 92 mm, sash distance 22 mm



Threshold base profile – all patterns

GU-thermostep 204 base profile											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	6-36035-30-0-1	
											3500	EV 1 / light grey	1	6-36035-35-0-1	
											4000	EV 1 / light grey	1	6-36035-40-0-1	
											4500	EV 1 / light grey	1	6-36035-45-0-1	
											5000	EV 1 / light grey	1	6-36035-50-0-1	
											6700	EV 1 / light grey	1	6-36035-67-0-1	

For total frame widths from 6701 mm

L&S coupling part												Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1		-	1	K-18751-00-0-1	
Contains: 2 x coupling part, 1 x gasket plate, accessories														

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1989 attachment track 19/79											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
1	–	2	–	–	2	2	1	–	2	92	Length = SW	2500	EV 1 / light grey	1	P-01989-25-0-1	
												3350	EV 1 / light grey	1	P-01989-33-0-1	

L&S accessories, threshold											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	2	1	1	–	2	92	–	1	K-18704-00-0-1	
Contains: end caps, gasket plates														

Tread thresholds, drip rails and roller tracks for total frame widths up to 5000 mm

L&S tread threshold – 4 mm roller track											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
1	–	1	–	–	1	1	1	–	1	88, 90, 92	Length = TFW	3500	EV 1 / light grey	1	K-18690-35-0-1	
												5000	EV 1 / light grey	1	K-18690-50-0-1	
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 2209 roller track bb (4 mm)																
Alternative: L&S tread threshold – 10 mm roller track																
1	–	1	–	–	1	1	1	–	1	88, 90, 92	Length = TFW	3500	EV 1 / light grey	1	K-18691-35-0-1	
												5000	EV 1 / light grey	1	K-18691-50-0-1	
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 1659 roller track 10 (10 mm)																

Tread thresholds, drip rails and roller tracks for total frame widths from 5001 mm

P 1950 tread threshold											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	1	1	1	–	2	Length = SW	3300	EV 1 / light grey	1	P-01950-33-0-1	

P 1927 drip rail 15											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-47293-67-0-1	

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)															
1	–	1	–	–	1	1	1	–	1	Length = TFW	6700	EV 1 / light grey	1	9-39311-67-0-1	
												UC 5 / dark bronze	1	9-39311-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 232 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 204 threshold

Sash thickness 92 mm, sash distance 22 mm



Hardware requirements – patterns A3, D, F, H | (continued on page 133)

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
–	1	–	1	2	–	–	–	1	–	92	Length = SW	2500	EV 1 / light grey	1	K-18709-25-0-1	
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x gasket profile																

Attachment tracks for total frame widths from 5001 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
P 1990 attachment track-1 19/79																
-	1	-	1	2	-	-	-	1	-	92	Length = SW	3350	EV 1 / light grey	1	P-01990-33-0-1	
P 1990 attachment track-2 19/79																
-	1	-	1	2	-	-	-	1	-	92	Length = SW	3350	EV 1 / light grey	1	9-48286-33-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	-	-	Length = SW	3350	black	1	9-39736-33-0-6	

L&S accessories, threshold

L&S accessories, threshold – 4 mm roller track bb											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	2	–	–	–	2	–	92	–	1	K-18714-05-0-1	
Alternative: L&S accessories, threshold – 10 mm roller track														
–	1	–	1	2	–	–	–	2	–	92	–	1	K-18714-10-0-1	
Contains: 1 x tread threshold, end caps, gaskets, fixing screws														

Drip rails

P 1927 drip rail 15											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
-	1	-	1	1	-	-	-	1	-	Length = TFW	3000	EV 1 / light grey	1	9-47293-30-0-1	
											3500	EV 1 / light grey	1	9-47293-35-0-1	
											4000	EV 1 / light grey	1	9-47293-40-0-1	
											4500	EV 1 / light grey	1	9-47293-45-0-1	
											5000	EV 1 / light grey	1	9-47293-50-0-1	
											6700	EV 1 / light grey	1	9-47293-67-0-1	

GU-thermostep 204 threshold

Sash thickness 92 mm, sash distance 22 mm



Hardware requirements – patterns A3, D, F, H

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
–	1	–	2	2	–	–	–	2	–	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
–	1	–	2	2	–	–	–	2	–	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	

Corner connection parts – all patterns

L&S corner connector											ST [mm]	FW [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-01-0-1	
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-01-0-1	
Contains: 2 x corner connector, 2 x gasket plate															

Contains: 2 x corner connector, 2 x gasket plate

L&S corner connection parts											Description	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws														

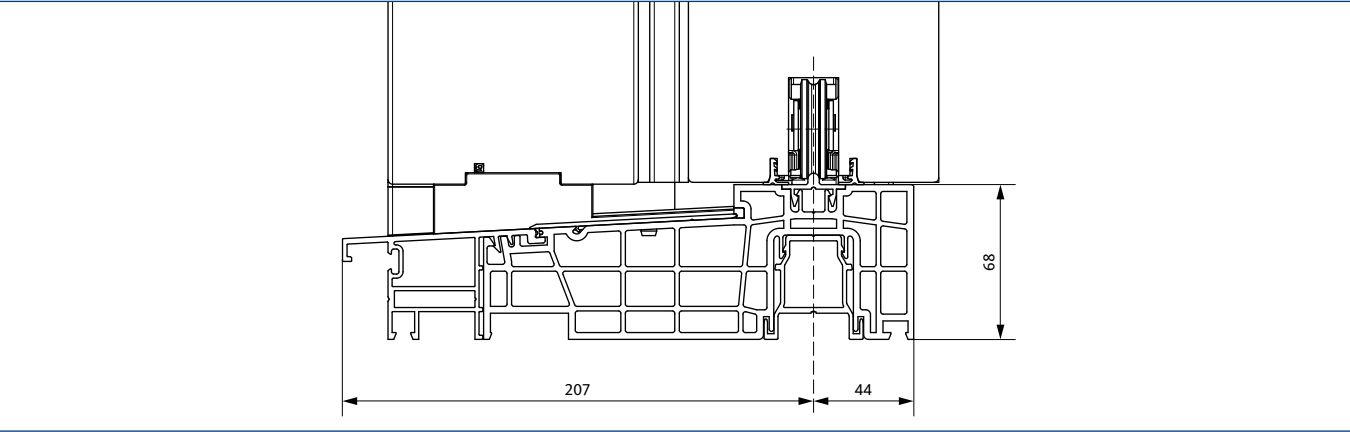
Contains: 4 x segmental nut, 4 x washer, fixing screws

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 232 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 204 threshold

Sash thickness 110 mm, sash distance 22 mm



Threshold base profile – all patterns

GU-thermostep 204 base profile											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	6-36035-30-0-1	
											3500	EV 1 / light grey	1	6-36035-35-0-1	
											4000	EV 1 / light grey	1	6-36035-40-0-1	
											4500	EV 1 / light grey	1	6-36035-45-0-1	
											5000	EV 1 / light grey	1	6-36035-50-0-1	
											6700	EV 1 / light grey	1	6-36035-67-0-1	

For total frame widths from 6701 mm

L&S coupling part													Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	1	1	1	1				-	1	K-18751-00-0-1
Contains: 2 x coupling part, 1 x gasket plate, accessories															

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

Attachment track 20/97 P 1995											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
1	–	2	–	–	2	2	1	–	2	110	Length = SW	2500	EV 1 / light grey	1	P-01995-25-0-1	
												3350	EV 1 / light grey	1	P-01995-33-0-1	

L&S accessories, threshold											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	2	1	1	–	2	110	–	1	K-18705-00-0-1	
Contains: end caps, gasket plates														

Tread thresholds, drip rails and roller tracks for total frame widths up to 5000 mm

L&S tread threshold – 4 mm roller track											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
1	–	1	–	–	1	1	1	–	1	110	Length = TFW	3500	EV 1 / light grey	1	K-18693-35-0-1	
												5000	EV 1 / light grey	1	K-18693-50-0-1	
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 2209 roller track bb (4 mm)																
Alternative: L&S tread threshold – 10 mm roller track																
1	–	1	–	–	1	1	1	–	1	110	Length = TFW	3500	EV 1 / light grey	1	K-18694-35-0-1	
												5000	EV 1 / light grey	1	K-18694-50-0-1	
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 1659 roller track 10 (10 mm)																

Tread thresholds, drip rails and roller tracks for total frame widths from 5001 mm

P 1950 tread threshold											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	1	1	1	–	2	Length = SW					

P 1959 drip rail 42											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	1	–	–	1	1	1	–	1	Length = TFW					
											6700	EV 1 / light grey	1	9-47709-67-0-1	

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	1	–	–	1	1	1	–	1	Length = TFW					

Alternative: P 1659 roller track 10 (10 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	1	–	–	1	1	1	–	1	Length = TFW					
												UC 5 / dark bronze	1	9-39330-67-0-5	

Alternative: P 1635 roller track 15 (15 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	1	–	–	1	1	1	–	1	Length = TFW					
												UC 5 / dark bronze	1	9-39311-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 232 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 204 threshold

Sash thickness 110 mm, sash distance 22 mm



Hardware requirements – patterns A3, D, F, H | (continued on page 137)

Attachment tracks for total frame widths up to 5000 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
P 1996 attachment track-1 20/97																
-	1	-	1	2	-	-	-	1	-	110	Length = SW	2500	EV 1 / light grey	1	P-01996-25-0-1	
P 1996 attachment track-2 20/97																
-	1	-	1	2	-	-	-	1	-	110	Length = SW	2500	EV 1 / light grey	1	9-48290-25-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	-	-	Length = SW	3350	black	1	9-39736-33-0-6	

Attachment tracks for total frame widths from 5001 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
P 1996 attachment track-1 20/97																
-	1	-	1	2	-	-	-	1	-	110	Length = SW	3350	EV 1 / light grey	1	P-01996-33-0-1	
P 1996 attachment track-2 20/97																
-	1	-	1	2	-	-	-	1	-	110	Length = SW	3350	EV 1 / light grey	1	9-48290-33-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	-	-	Length = SW	3350	black	1	9-39736-33-0-6	

L&S accessories, threshold

L&S accessories, threshold – 4 mm roller track bb											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	2	–	–	–	2	–	110	–	1		
Alternative: L&S accessories, threshold – 10 mm roller track														
–	1	–	1	2	–	–	–	2	–	110	–	1		
Contains: 1 x tread threshold, end caps, gaskets, fixing screws														

Drip rails

P 1959 drip rail 42											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
-	1	-	1	1	-	-	-	1	-	Length = TFW	3000	EV 1 / light grey	1		
											3500	EV 1 / light grey	1		
											4000	EV 1 / light grey	1		
											4500	EV 1 / light grey	1		
											5000	EV 1 / light grey	1		
											6700	EV 1 / light grey	1		

GU-thermostep 204 threshold

Sash thickness 110 mm, sash distance 22 mm



Hardware requirements – patterns A3, D, F, H

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
-	1	-	2	2	-	-	-	2	-	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
-	1	-	2	2	-	-	-	2	-	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	

Corner connection parts – all patterns

L&S corner connector															
Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.	
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	2	1	1	1	110	63	grey	1	K-17914-05-0-1	
1	1	1	1	1	1	2	1	1	1	110	56	grey	1	K-18493-05-0-1	
Contains: 2 x corner connector, 2 x gasket plate															

Contains: 2 x corner connector, 2 x gasket plate

L&S corner connection parts														
Pattern										Description	Finish	PU	Order no.	
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws														

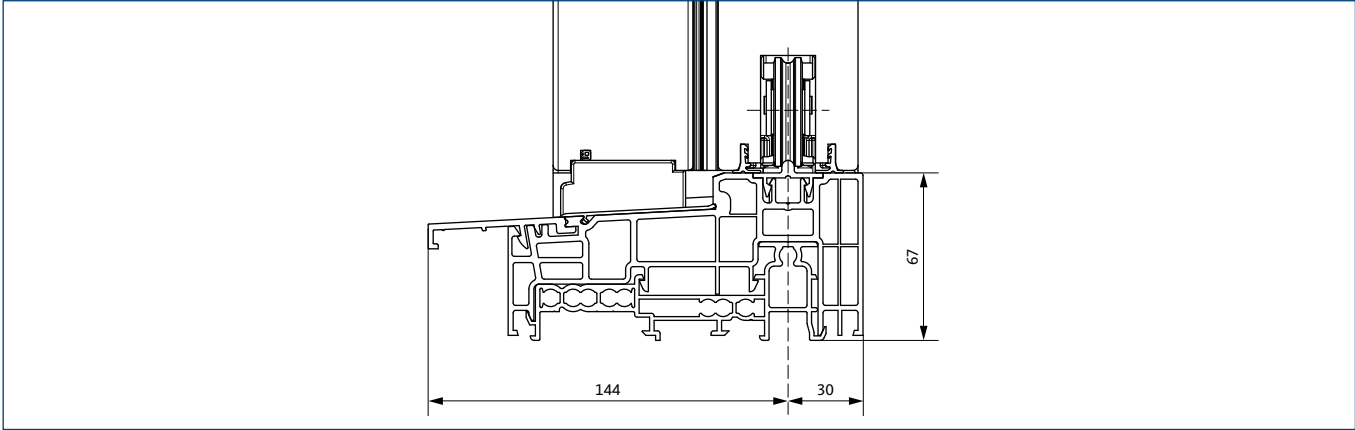
Contains: 4 x segmental nut, 4 x washer, fixing screws

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 232 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 164 threshold

Sash thickness 56 and 68 mm, sash distance 10 mm



Threshold base profile – all patterns

GU-thermostep 164 base profile									
Pattern					Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	G2	K						
1	1	1	1		Length = TFW	3000	EV 1 / light grey	1	6-29938-30-0-1
						3500	EV 1 / light grey	1	6-29938-35-0-1
						4000	EV 1 / light grey	1	6-29938-40-0-1
						4500	EV 1 / light grey	1	6-29938-45-0-1
						5000	EV 1 / light grey	1	6-29938-50-0-1
						6700	EV 1 / light grey	1	6-29938-67-0-1
							UC 5 / dark bronze	1	6-29938-67-0-5

For total frame widths from 6701 mm

L&S coupling part							
Pattern					Finish	PU	Order no.
A	C	G2	K				
1	1	1	1		–	1	K-15432-00-0-1

Contains: 2 x coupling part, 1 x gasket plate, accessories

GU-thermostep 164 threshold

Sash thickness 56 and 68 mm, sash distance 10 mm



Hardware requirements – all patterns

L&S attachment track										
Pattern					ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	G2	K							
1	2	2	2		56 [2] 68	Length = SW	1500	EV 1 / light grey	1	K-15660-15-0-1
							2000	EV 1 / light grey	1	K-15660-20-0-1
							2500	EV 1 / light grey	1	K-15660-25-0-1
								UC 5 / dark bronze	1	K-15660-25-0-5
Contains: 1 x attachment track, 1 x intermediate profile, accessories										

Contains: 1 x attachment track, 1 x intermediate profile, accessories

L&S tread threshold 5/126 – 4 mm roller track										
Pattern					ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	G2	K							
1	1	1	1		56, 68	Length = TFW	3500	UC 5 / dark bronze	1	K-15656-35-0-5
							5000	UC 5 / dark bronze	1	K-15656-50-0-5
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 2209 roller track bb (4 mm)										

Contains: 1 x tread threshold, 1 x drip rail, 1 x P 2209 roller track bb (4 mm)

Corner connection parts – all patterns

L&S corner connection parts									
Pattern				Description			Finish	PU	Order no.
A	C	G2	K						
1	1	1	1	top			ferGUard	1	K-10323-00-0-1
1	1	1	1	bottom			ferGUard	1	K-15430-00-0-1

Contains: 4 x segmental nut, 4 x washer, fixing screws

L&S gasket parts, frame									
Pattern					ST [mm]	FW [mm]	Finish	PU	Order no.
A	C	G2	K						
1	1	1	1		56, 68	56	black	1	K-15681-00-0-6
1	1	1	1		56, 68	68	black	1	K-15679-00-0-6

Contains: 2 x corner connector, 3 x gasket plate

Gaskets – all patterns

Gasket plate for meeting stile – for sash thickness 56 mm [2]									
Pattern					ST [mm]		Finish	PU	Order no.
A	C	G2	K						
1	2	2	2		56		black	1	9-44980-01-0-6

P 1645 gasket									
Pattern							Finish	PU	Order no.
A	C	G2	K						
–	–	2	–				black	1	9-39736-33-0-6

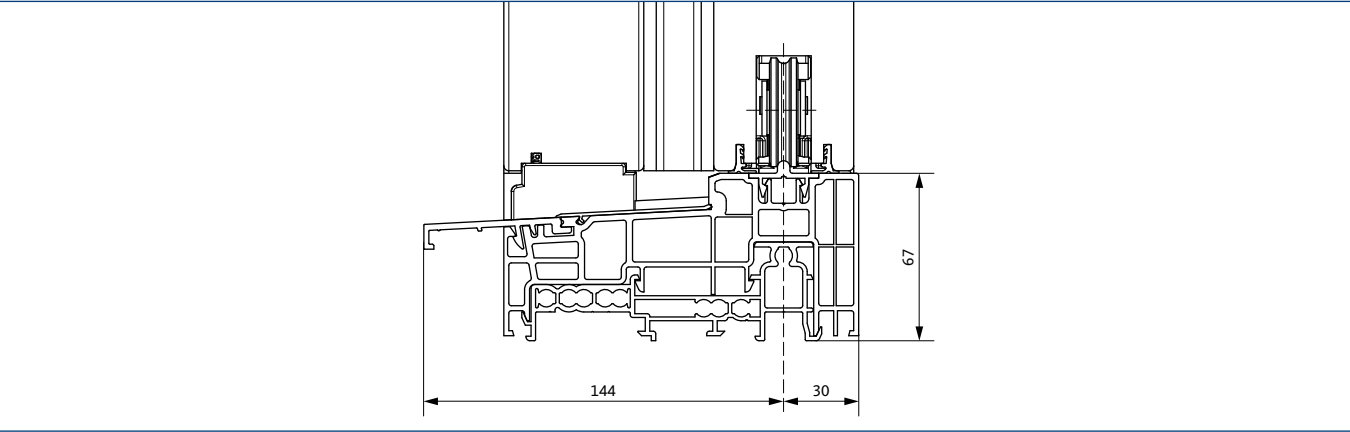
[1] You can find explanations about the reference dimension on pages 522 – 533.

[2] For sash thickness 56 mm, also order: gasket plate for meeting stile 9-44980-01-0-6.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 249 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 164 threshold

Sash thickness 56 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-thermostep 164 base profile								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern												
A	C	D	F	G2	K							
1	1	1	1	1	1		Length = TFW	3000	EV 1 / light grey	1	6-29938-30-0-1	
								3500	EV 1 / light grey	1	6-29938-35-0-1	
								4000	EV 1 / light grey	1	6-29938-40-0-1	
								4500	EV 1 / light grey	1	6-29938-45-0-1	
								5000	EV 1 / light grey	1	6-29938-50-0-1	
								6700	EV 1 / light grey	1	6-29938-67-0-1	
									UC 5 / dark bronze	1	6-29938-67-0-5	

For total frame widths from 6701 mm

L&S coupling part								Finish	PU	Order no.
Pattern										
A	C	D	F	G2	K					
1	1	1	1	1	1		–	1	K-15432-00-0-1	
Contains: 2 x coupling part, 1 x gasket plate, accessories										

GU-thermostep 164 threshold

Sash thickness 56 mm, sash distance 28 mm



Hardware requirements – patterns A, C, G2, K

Attachment tracks and accessories

L&S attachment track												
Pattern							ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K							
1	2	–	–	2	2		56 [2]	Length = SW	1500	EV 1 / light grey	1	K-15660-15-0-1
									2000	EV 1 / light grey	1	K-15660-20-0-1
									2500	EV 1 / light grey	1	K-15660-25-0-1
										UC 5 / dark bronze	1	K-15660-25-0-5
Contains: 1 x attachment track, 1 x intermediate profile, accessories												

Contains: 1 x attachment track, 1 x intermediate profile, accessories

Tread thresholds, drip rails and roller tracks

L&S tread threshold 5/144 – 4 mm roller track											
Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
1	1	-	-	1	1		Length = TFW	3000	EV 1 / light grey	1	K-15658-30-0-1
								4000	EV 1 / light grey	1	K-15658-40-0-1
								5000	EV 1 / light grey	1	K-15658-50-0-1
									UC 5 / dark bronze	1	K-15658-50-0-5
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 2209 roller track bb (4 mm)											
Alternative: L&S tread threshold 10/144 – 10 mm roller track											
1	1	-	-	1	1		Length = TFW	3000	EV 1 / light grey	1	K-16643-30-0-1
								4000	EV 1 / light grey	1	K-16643-40-0-1
								5000	EV 1 / light grey	1	K-16643-50-0-1
									UC 5 / dark bronze	1	K-16643-50-0-5
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 1659 roller track 10 (10 mm)											
Alternative: L&S tread threshold 10/161 – 10 mm roller track – with drip rail 161 P 1667											
1	1	-	-	1	1		Length = TFW	3000	EV 1 / light grey	1	K-15657-30-0-1
								4000	EV 1 / light grey	1	K-15657-40-0-1
								5000	EV 1 / light grey	1	K-15657-50-0-1
									UC 5 / dark bronze	1	K-15657-50-0-5
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 1659 roller track 10 (10 mm)											
Alternative: L&S tread threshold 15/144 – 15 mm roller track											
1	1	-	-	1	1		Length = TFW	3000	EV 1 / light grey	1	K-15655-30-0-1
								4000	EV 1 / light grey	1	K-15655-40-0-1
								5000	EV 1 / light grey	1	K-15655-50-0-1
									UC 5 / dark bronze	1	K-15655-50-0-5
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 1635 roller track 15 (15 mm)											
Alternative: L&S tread threshold 15/161 – 15 mm roller track – with drip rail 161 P 1667											
1	1	-	-	1	1		Length = TFW	3000	EV 1 / light grey	1	K-15875-30-0-1
								4000	EV 1 / light grey	1	K-15875-40-0-1
								5000	EV 1 / light grey	1	K-15875-50-0-1
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 1635 roller track 15 (15 mm)											

[1] You can find explanations about the reference dimension on pages 522 – 533.

[2] Also order: gasket plate for meeting stile 9-44980-01-0-6 – see page 330.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 249 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 164 threshold

Sash thickness 56 mm, sash distance 28 mm



Hardware requirements – patterns D, F

Attachment tracks and accessories

L&S attachment track											
Pattern						ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
–	–	1	2	–	–	56 [2]	Length = SW	1500	EV 1 / light grey	1	K-15661-15-0-1
								2500	EV 1 / light grey	1	K-15661-25-0-1
									UC 5 / dark bronze	1	K-15661-25-0-5
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x intermediate profile, 1 x gasket profile, accessories											

End caps for P 1633 attachment track-2											
Pattern							Roller track	Finish	PU	Order no.	
A	C	D	F	G2	K					on left	on right
–	–	1	–	–	–		P 2209 (4 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
								black	1	9-40295-00-L-6	9-40295-00-R-6
							P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
								black	1	9-39326-00-L-6	9-39326-00-R-6

Drip rails

P 2151 drip rail											
Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
–	–	1	1	–	–		Length = TFW	3000	EV 1 / light grey	1	P-02151-30-0-1
								4000	EV 1 / light grey	1	P-02151-40-0-1
								5000	EV 1 / light grey	1	P-02151-50-0-1
									UC 5 / dark bronze	1	P-02151-50-0-5
								6700	EV 1 / light grey	1	P-02151-67-0-1

Roller tracks

P 2209 roller track bb (4 mm)											
Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
-	-	2	2	-	-		Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1
								4000	EV 1 / light grey	1	P-02209-40-0-1
								5000	EV 1 / light grey	1	P-02209-50-0-1
								6700	EV 1 / light grey	1	P-02209-67-0-1
Alternative: P 1659 roller track 10 (10 mm)											
-	-	2	2	-	-		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
								6700	EV 1 / light grey	1	9-39330-67-0-1
									UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)											
-	-	2	2	-	-		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
								4000	EV 1 / light grey	1	9-39311-40-0-1
								5000	EV 1 / light grey	1	9-39311-50-0-1
								6700	EV 1 / light grey	1	9-39311-67-0-1
									UC 5 / dark bronze	1	9-39311-67-0-5

GU-thermostep 164 threshold

Sash thickness 56 mm, sash distance 28 mm



Corner connection parts – all patterns

L&S corner connection parts							Description		Finish	PU	Order no.
Pattern											
A	C	D	F	G2	K						
1	1	1	1	1	1	top		ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	bottom		ferGUard	1	K-15430-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws											

L&S gasket parts, frame							ST [mm]	FW [mm]	Finish	PU	Order no.
Pattern											
A	C	D	F	G2	K						
1	1	1	1	1	1		56, 68	56	black	1	K-15681-00-0-6
1	1	1	1	1	1		56, 68	68	black	1	K-15679-00-0-6
Contains: 2 x corner connector, 3 x gasket plate											

Gaskets – all patterns

Gasket plate for meeting stile – for sash thickness 56 mm [2]										
Pattern							ST [mm]	Finish	PU	Order no.
A	C	D	F	G2	K					
1	2	1	2	2	2		56	black	1	9-44980-01-0-6

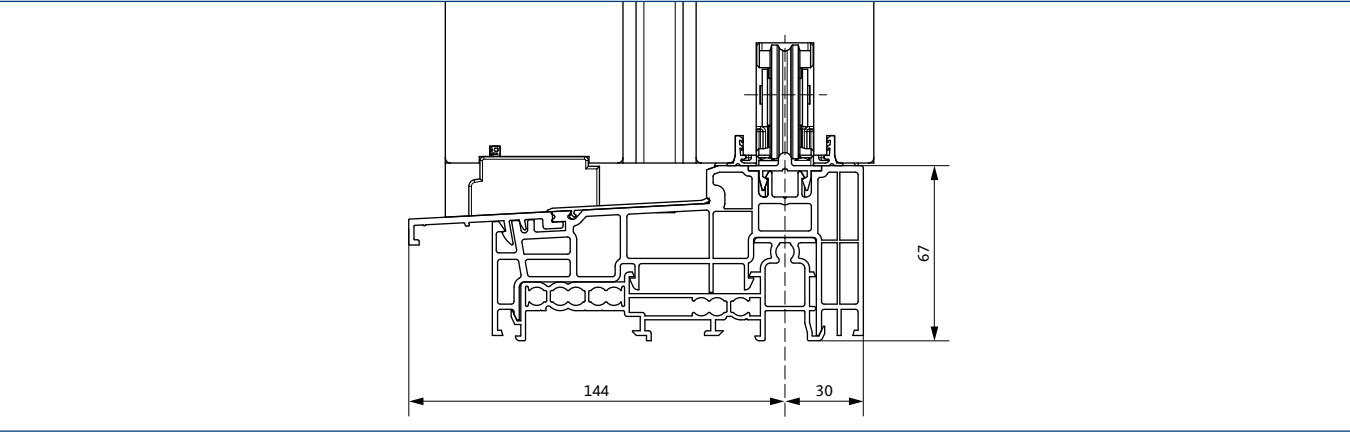
[1] You can find explanations about the reference dimension on pages 522 – 533.

[2] For sash thickness 56 mm, also order: gasket plate for meeting stile 9-44980-01-0-6.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 249 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-thermostep 164 base profile													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
1	1	1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	6-29938-30-0-1	
													3500	EV 1 / light grey	1	6-29938-35-0-1	
													4000	EV 1 / light grey	1	6-29938-40-0-1	
													4500	EV 1 / light grey	1	6-29938-45-0-1	
													5000	EV 1 / light grey	1	6-29938-50-0-1	
													6700	EV 1 / light grey	1	6-29938-67-0-1	
														UC 5 / dark bronze	1	6-29938-67-0-5	

For total frame widths from 6701 mm

L&S coupling part														Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	1	1	1	1	1	1	1	1	1	1			–	1	K-15432-00-0-1
Contains: 2 x coupling part, 1 x gasket plate, accessories																

GU-thermostep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

L&S attachment track													ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																		
A	A3	C	D	E	F	G1	G2	G3	H	K	L							
1	-	2	-	-	-	2	2	1	-	2	-	68	Length = SW	1500	EV 1 / light grey	1	K-15660-15-0-1	
														2000	EV 1 / light grey	1	K-15660-20-0-1	
														2500	EV 1 / light grey	1	K-15660-25-0-1	
															UC 5 / dark bronze	1	K-15660-25-0-5	
Contains: 1 x attachment track, 1 x intermediate profile, accessories																		

Contains: 1 x attachment track, 1 x intermediate profile, accessories

Tread thresholds, drip rails and roller tracks

L&S tread threshold 5/144 – 4 mm roller track													Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L							
1	-	1	-	-	-	1	1	1	-	1	-	Length = TFW	3000	EV 1 / light grey	1	K-15658-30-0-1		
													4000	EV 1 / light grey	1	K-15658-40-0-1		
													5000	EV 1 / light grey	1	K-15658-50-0-1		
UC 5 / dark bronze																	1	K-15658-50-0-5
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 2209 roller track bb (4 mm)																		
Alternative: L&S tread threshold 10/144 – 10 mm roller track																		
1	-	1	-	-	-	1	1	1	-	1	-	Length = TFW	3000	EV 1 / light grey	1	K-16643-30-0-1		
													4000	EV 1 / light grey	1	K-16643-40-0-1		
													5000	EV 1 / light grey	1	K-16643-50-0-1		
UC 5 / dark bronze																	1	K-16643-50-0-5
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 1659 roller track 10 (10 mm)																		
Alternative: L&S tread threshold 10/161 – 10 mm roller track – with drip rail 161 P 1667																		
1	-	1	-	-	-	1	1	1	-	1	-	Length = TFW	3000	EV 1 / light grey	1	K-15657-30-0-1		
													4000	EV 1 / light grey	1	K-15657-40-0-1		
													5000	EV 1 / light grey	1	K-15657-50-0-1		
UC 5 / dark bronze																	1	K-15657-50-0-5
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 1659 roller track 10 (10 mm)																		
Alternative: L&S tread threshold 15/144 – 15 mm roller track																		
1	-	1	-	-	-	1	1	1	-	1	-	Length = TFW	3000	EV 1 / light grey	1	K-15655-30-0-1		
													4000	EV 1 / light grey	1	K-15655-40-0-1		
													5000	EV 1 / light grey	1	K-15655-50-0-1		
UC 5 / dark bronze																	1	K-15655-50-0-5
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 1635 roller track 15 (15 mm)																		
Alternative: L&S tread threshold 15/161 – 15 mm roller track – with drip rail 161 P 1667																		
1	-	1	-	-	-	1	1	1	-	1	-	Length = TFW	3000	EV 1 / light grey	1	K-15875-30-0-1		
													4000	EV 1 / light grey	1	K-15875-40-0-1		
													5000	EV 1 / light grey	1	K-15875-50-0-1		
Contains: 1 x tread threshold, 1 x drip rail, 1 x P 1635 roller track 15 (15 mm)																		

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 249 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Hardware requirements – patterns A3, D, F, H

Attachment tracks and accessories

L&S attachment track													ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																		
A	A3	C	D	E	F	G1	G2	G3	H	K	L							
–	1	–	1	–	2	–	–	–	1	–	–	68	Length = SW	1500	EV 1 / light grey	1	K-15661-15-0-1	
														2500	EV 1 / light grey	1	K-15661-25-0-1	
															UC 5 / dark bronze	1	K-15661-25-0-5	
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x intermediate profile, 1 x gasket profile, accessories																		

End caps for P 1633 attachment track-2													Roller track	Finish	PU	Order no.	
Pattern												on left				on right	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	1	-	1	-	-	-	-	-	-	-	-	P 2209 (4 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1	
													black	1	9-40295-00-L-6	9-40295-00-R-6	
												P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1	
													black	1	9-39326-00-L-6	9-39326-00-R-6	

Drip rails

P 2151 drip rail													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	1	-	1	-	1	-	-	-	1	-	-	Length = TFW	3000	EV 1 / light grey	1	P-02151-30-0-1	
													4000	EV 1 / light grey	1	P-02151-40-0-1	
													5000	EV 1 / light grey	1	P-02151-50-0-1	
														UC 5 / dark bronze	1	P-02151-50-0-5	
													6700	EV 1 / light grey	1	P-02151-67-0-1	

Roller tracks

P 2209 roller track bb (4 mm)													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	1	-	2	-	2	-	-	-	2	-	-	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
													4000	EV 1 / light grey	1	P-02209-40-0-1	
													5000	EV 1 / light grey	1	P-02209-50-0-1	
													6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)																	
-	1	-	2	-	2	-	-	-	2	-	-	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
													6700	EV 1 / light grey	1	9-39330-67-0-1	
														UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)																	
-	1	-	2	-	2	-	-	-	2	-	-	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
													4000	EV 1 / light grey	1	9-39311-40-0-1	
													5000	EV 1 / light grey	1	9-39311-50-0-1	
													6700	EV 1 / light grey	1	9-39311-67-0-1	
														UC 5 / dark bronze	1	9-39311-67-0-5	

Hardware requirements – patterns E, L | (continued on page 148)

P 1719 extension profile													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
–	–	–	–	1	–	–	–	–	–	–	1	Length = TFW	6700	EV 1 / light grey	1	P-01719-67-0-1	

P 1721 tread threshold													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	1	Length = ⅔ TFW	4600	EV 1 / light grey	1	P-01721-46-0-1	

P 1633 attachment track-1 Centre sash													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	1	Length = ⅔ TFW	3350	EV 1 / light grey	1	9-40300-33-0-1	
														UC 5 / dark bronze	1	9-40300-33-0-5	

P 1634 attachment track Fixed-glazed sash																
Pattern												Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
-	-	-	-	1	-	-	-	-	-	-	1	Length = ⅓ TFW	1500	EV 1 / light grey	1	9-39309-15-0-1
													2000	EV 1 / light grey	1	9-39309-20-0-1
													2500	EV 1 / light grey	1	9-39309-25-0-1
														UC 5 / dark bronze	1	9-39309-25-0-5
													3350	EV 1 / light grey	1	9-39309-33-0-1
														UC 5 / dark bronze	1	9-39309-33-0-5

P 1641 intermediate profile 41 Centre sash													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	1	Length = ⅔ TFW	1450	EV 1 / light grey	1	9-39317-15-0-1	
													1950	EV 1 / light grey	1	9-39317-20-0-1	
													2450	EV 1 / light grey	1	9-39317-25-0-1	
													3300	EV 1 / light grey	1	9-39317-33-0-1	
														black	1	9-39317-33-0-6	

P 1682 intermediate profile 45 Fixed-glazed sash													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	1	Length = ⅓ TFW	1450	EV 1 / light grey	1	9-40413-15-0-1	
													1950	EV 1 / light grey	1	9-40413-20-0-1	
													2450	EV 1 / light grey	1	9-40413-25-0-1	
													3300	EV 1 / light grey	1	9-40413-33-0-1	
														black	1	9-40413-33-0-6	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 249 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-thermostep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Hardware requirements – patterns E, L

P 2151 drip rail													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	1	Length = TFW	3000	EV 1 / light grey	1	P-02151-30-0-1	
													4000	EV 1 / light grey	1	P-02151-40-0-1	
													5000	EV 1 / light grey	1	P-02151-50-0-1	
														UC 5 / dark bronze	1	P-02151-50-0-5	
													6700	EV 1 / light grey	1	P-02151-67-0-1	
P 2209 roller track bb (4 mm)																	
Pattern													Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	-	1	-	-	-	-	-	-	1	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
-	-	-	-	1	-	-	-	-	-	-	1	Length = ⅔ TFW	4000	EV 1 / light grey	1	P-02209-40-0-1	
														5000	EV 1 / light grey	1	P-02209-50-0-1
														6700	EV 1 / light grey	1	P-02209-67-0-1
Alternative: P 1659 roller track 10 (10 mm)																	
-	-	-	-	1	-	-	-	-	-	-	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
-	-	-	-	1	-	-	-	-	-	-	1	Length = ⅔ TFW	6700	EV 1 / light grey	1	9-39330-67-0-1	
														UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)																	
-	-	-	-	1	-	-	-	-	-	-	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
-	-	-	-	1	-	-	-	-	-	-	1	Length = ⅔ TFW	4000	EV 1 / light grey	1	9-39311-40-0-1	
														5000	EV 1 / light grey	1	9-39311-50-0-1
														6700	EV 1 / light grey	1	9-39311-67-0-1
															UC 5 / dark bronze	1	9-39311-67-0-5

GU-thermostep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Corner connection parts – all patterns

L&S corner connector													ST [mm]	FW [mm]	Finish	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
1	1	1	1	1	1	1	2	1	1	1	1	68	56	EV 1 / light grey	1	K-19741-01-0-1 [2]	
1	1	1	1	1	1	1	2	1	1	1	1	68	68	EV 1 / light grey	1	K-19741-02-0-1 [3]	
Contains: 2 x corner connector, 2 x gasket plate																	

Contains: 2 x corner connector, 2 x gasket plate

L&S corner connector extension														Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
-	-	-	-	1	-	-	-	-	-	-	1		grey	1	K-18313-01-0-1	
Contains: 2 x corner connector																

Contains: 2 x corner connector

L&S corner connection parts																
Pattern												Description	Finish	PU	Order no.	
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	1	1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-15430-00-0-1	

Contains: 4 x segmental nut, 4 x washer, fixing screws

Gaskets – patterns E, L

Gasket plate for meeting stile																			
Pattern													Finish	PU	Order no.				
A	A3	C	D	E	F	G1	G2	G3	H	K	L								
-	-	-	-	1	-	-	-	-	-	-	2		black	1	9-43970-00-0-6				

[1] You can find explanations about the reference dimension on pages 522 – 533.

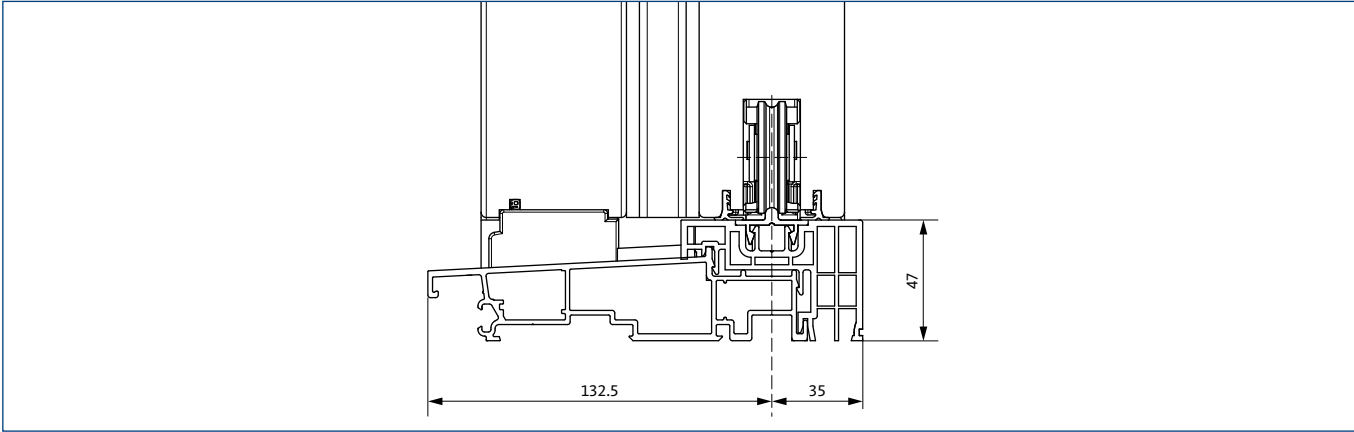
[2] Use drilling jig 6-39795-01-0-0.

[3] Use drilling jig 6-39795-02-0-0.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 249 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-threshold 47 threshold

Sash thickness 56 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-threshold 47 base profile								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern												
A	C	D	F	G2	K							
1	1	1	1	1	1	Length = TFW	5000	EV 1 / light grey	1	6-33848-50-0-1		
							6700	EV 1 / light grey	1	6-33848-67-0-1		

For total frame widths from 6701 mm

L&S coupling part								Finish	PU	Order no.
Pattern										
A	C	D	F	G2	K					
1	1	1	1	1	1		–	1	K-17389-00-0-0	
Contains: 2 x coupling part, 1 x gasket plate, accessories										

Hardware requirements – patterns A, C, G2, K

L&S attachment track								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern												
A	C	D	F	G2	K							
1	2	–	–	2	2		Length = SW	3350	EV 1 / light grey	1	K-17710-33-0-1	
Contains: 1 x attachment track, 1 x intermediate profile, accessories												

P 2209 roller track bb (4 mm)								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern												
A	C	D	F	G2	K							
1	1	–	–	1	1		Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
								4000	EV 1 / light grey	1	P-02209-40-0-1	
								5000	EV 1 / light grey	1	P-02209-50-0-1	
								6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)												
1	1	–	–	1	1		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
								6700	EV 1 / light grey	1	9-39330-67-0-1	
									UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)												
1	1	–	–	1	1		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
								4000	EV 1 / light grey	1	9-39311-40-0-1	
								5000	EV 1 / light grey	1	9-39311-50-0-1	
								6700	EV 1 / light grey	1	9-39311-67-0-1	
									UC 5 / dark bronze	1	9-39311-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 269 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-threshold 47 threshold

Sash thickness 56 mm, sash distance 28 mm



Hardware requirements – patterns D, F

L&S attachment track											
Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
-	-	1	2	-	-		Length = SW	3350	EV 1 / light grey	1	K-17408-33-0-1
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x intermediate profile, accessories											
End caps for P 1633 attachment track-2											
Pattern							Roller track	Finish	PU	Order no.	
A	C	D	F	G2	K					on left	on right
-	-	1	-	-	-	P 2209 (4 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1	
							black	1	9-40295-00-L-6	9-40295-00-R-6	
						P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1	
							black	1	9-39326-00-L-6	9-39326-00-R-6	
P 2209 roller track bb (4 mm)											
Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
-	-	2	2	-	-	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
							4000	EV 1 / light grey	1	P-02209-40-0-1	
							5000	EV 1 / light grey	1	P-02209-50-0-1	
							6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)											
-	-	2	2	-	-	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
							6700	EV 1 / light grey	1	9-39330-67-0-1	
								UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)											
-	-	2	2	-	-	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
							4000	EV 1 / light grey	1	9-39311-40-0-1	
							5000	EV 1 / light grey	1	9-39311-50-0-1	
							6700	EV 1 / light grey	1	9-39311-67-0-1	
								UC 5 / dark bronze	1	9-39311-67-0-5	

GU-threshold 47 threshold

Sash thickness 56 mm, sash distance 28 mm



Corner connection parts – all patterns

L&S corner connection parts							Description	Finish	PU	Order no.
Pattern										
A	C	D	F	G2	K					
1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	bottom	ferGUard	1	K-15430-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws										

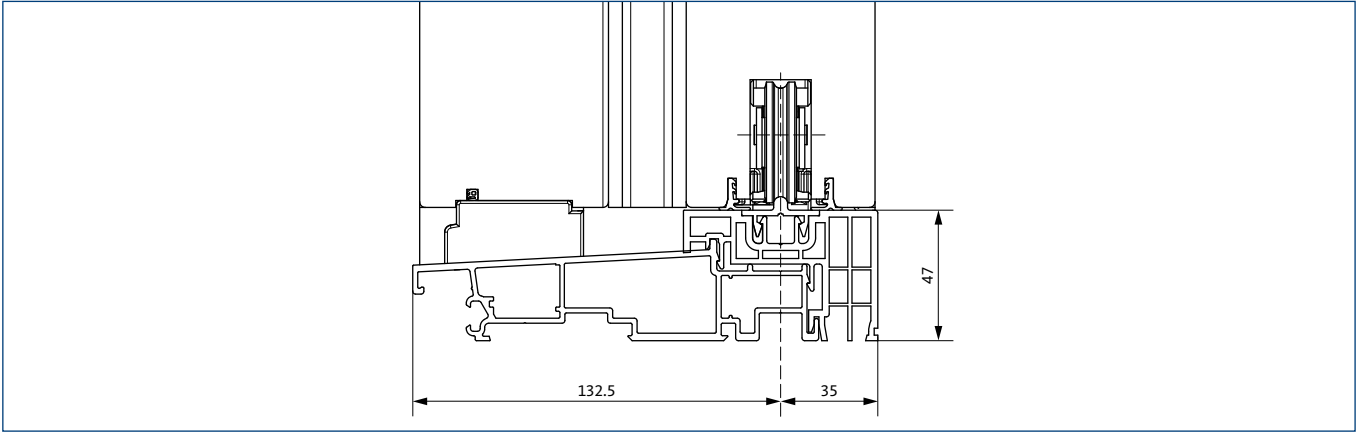
L&S gasket parts, frame										
Pattern						Designation	Finish	PU	Order no.	
A	C	D	F	G2	K					
1	1	1	1	1	1	L&S gasket parts for 56 frame	black	1	K-17384-56-0-6	
1	1	1	1	1	1	L&S gasket parts for 67 frame (alternative)	black	1	K-17384-67-0-6	
Contains: 2 x gasket part, 2 x supporting plate										

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 269 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-threshold 47 threshold

Sash thickness 68 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-threshold 47 base profile											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	1	1	1	1	Length = TFW	5000	EV 1 / light grey	1	6-33848-50-0-1	
											6700	EV 1 / light grey	1	6-33848-67-0-1	

For total frame widths from 6701 mm

L&S coupling part												Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1		-	1	K-17389-00-0-0	
Contains: 2 x coupling part, 1 x gasket plate, accessories														

Hardware requirements – patterns A, C, G1, G2, G3, K

L&S attachment track											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	-	2	-	-	2	2	1	-	2	Length = SW	3350	EV 1 / light grey	1	K-17710-33-0-1	
Contains: 1 x attachment track, 1 x intermediate profile, accessories															

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	-	1	-	-	1	1	1	-	1	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
1	-	1	-	-	1	1	1	-	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)															
1	-	1	-	-	1	1	1	-	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
											4000	EV 1 / light grey	1	9-39311-40-0-1	
											5000	EV 1 / light grey	1	9-39311-50-0-1	
											6700	EV 1 / light grey	1	9-39311-67-0-1	
												UC 5 / dark bronze	1	9-39311-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 269 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-threshold 47 threshold

Sash thickness 68 mm, sash distance 28 mm



Hardware requirements – patterns A3, D, F, H

L&S attachment track														
Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
-	1	-	1	2	-	-	-	1	-	Length = SW	3350	EV 1 / light grey	1	K-17408-33-0-1
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x intermediate profile, accessories														
End caps for P 1633 attachment track-2														
Pattern										Roller track	Finish	PU	Order no.	
A	A3	C	D	F	G1	G2	G3	H	K				on left	on right
-	1	-	1	-	-	-	-	-	-	P 2209 (4 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
										P 1659 (10 mm)	black	1	9-40295-00-L-6	9-40295-00-R-6
										P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
											black	1	9-39326-00-L-6	9-39326-00-R-6
P 2209 roller track bb (4 mm)														
Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
-	1	-	2	2	-	-	-	2	-	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1
											4000	EV 1 / light grey	1	P-02209-40-0-1
											5000	EV 1 / light grey	1	P-02209-50-0-1
											6700	EV 1 / light grey	1	P-02209-67-0-1
Alternative: P 1659 roller track 10 (10 mm)														
-	1	-	2	2	-	-	-	2	-	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
-	1	-	2	2	-	-	-	2	-	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

GU-threshold 47 threshold

Sash thickness 68 mm, sash distance 28 mm



Corner connection parts – all patterns

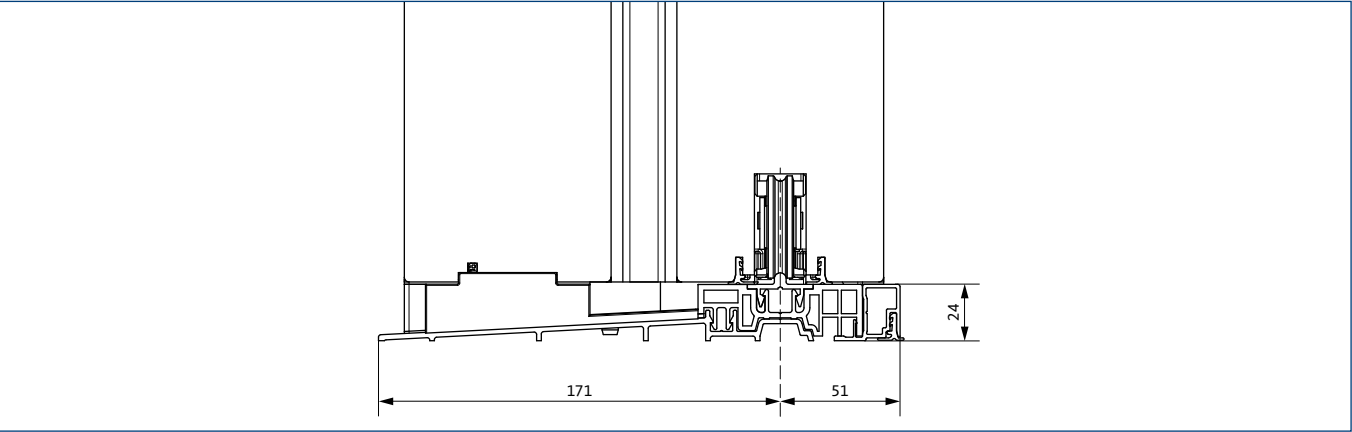
L&S corner connection parts											Description	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-15430-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws														

L&S gasket parts, frame											Designation	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	L&S gasket parts for 56 frame	black	1	K-17384-56-0-6	
1	1	1	1	1	1	1	1	1	1	L&S gasket parts for 67 frame (alternative)	black	1	K-17384-67-0-6	
Contains: 2 x gasket part, 2 x supporting plate														

[1] You can find explanations about the reference dimension on pages 522 – 533.

GU-flatstep 222 threshold

Sash thickness 88 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-flatstep 222 base profile											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	1	1	1	1	Length = TFW	6700	EV 1 / light grey	1	6-36103-67-0-1	

GU-flatstep 222 threshold

Sash thickness 88 mm, sash distance 28 mm



Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1993 attachment track 19/81											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
1	-	2	-	-	2	2	1	-	2	88	Length = SW	2500	EV 1 / light grey	1	P-01993-25-0-1	
												3300	EV 1 / light grey	1	P-01993-33-0-1	

L&S accessories, threshold											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	2	1	1	–	2	88	–	1	K-18702-00-0-1	
Contains: end caps, gasket plates														

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	-	1	-	-	1	1	1	-	1	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
1	-	1	-	-	1	1	1	-	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)															
1	-	1	-	-	1	1	1	-	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
											4000	EV 1 / light grey	1	9-39311-40-0-1	
											5000	EV 1 / light grey	1	9-39311-50-0-1	
											6700	EV 1 / light grey	1	9-39311-67-0-1	
												UC 5 / dark bronze	1	9-39311-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 280 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-flatstep 222 threshold

Sash thickness 88 mm, sash distance 28 mm



Hardware requirements – patterns A3, D, F, H

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
–	1	–	1	2	–	–	–	1	–	88	Length = SW	2500	EV 1 / light grey	1	K-18707-25-0-1	
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x gasket profile																

Attachment tracks for total frame widths from 5001 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
P 1994 attachment track-1 19/81																
-	1	-	1	2	-	-	-	1	-	88	Length = SW	3350	EV 1 / light grey	1	P-01994-33-0-1	
P 1994 attachment track-2 19/81																
-	1	-	1	2	-	-	-	1	-	88	Length = SW	3350	EV 1 / light grey	1	9-48288-33-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	-	-	Length = SW	3350	black	1	9-39736-33-0-6	

L&S accessories, threshold

L&S accessories, threshold – 4 mm roller track bb											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	2	–	–	–	2	–	88	–	1	K-18712-05-0-1	
Alternative: L&S accessories, threshold – 10 mm roller track														
–	1	–	1	2	–	–	–	2	–	88	–	1	K-18712-10-0-1	
Contains: 1 x tread threshold, end caps, gaskets, fixing screws														

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
-	1	-	2	2	-	-	-	2	-	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
-	1	-	2	2	-	-	-	2	-	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	

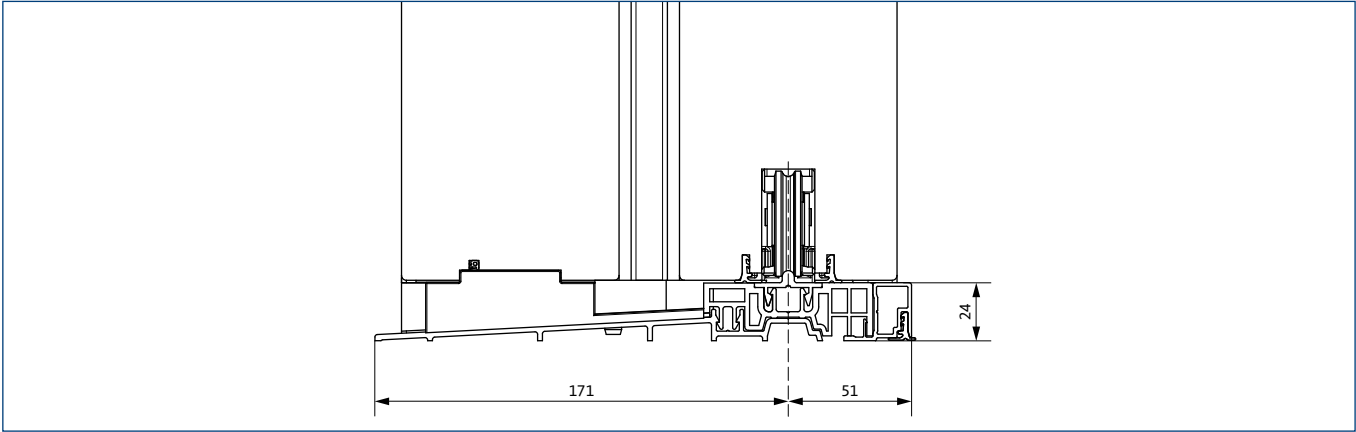
Corner connection parts – all patterns

L&S corner connector														
Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-00-0-1
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-00-0-1
Contains: 2 x corner connector, 2 x gasket plate														

L&S corner connection parts														
Pattern										Description	Finish	PU	Order no.	
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws														
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17869-00-0-1	
Contains: 4 x segmental nut, fixing screws														

GU-flatstep 222 threshold

Sash thickness 90 mm, sash distance 25 mm



Threshold base profile – all patterns

GU-flatstep 222 base profile											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	1	1	1	1	Length = TFW	6700	EV 1 / light grey	1	6-36103-67-0-1	

GU-flatstep 222 threshold

Sash thickness 90 mm, sash distance 25 mm



Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1991 attachment track 19/80											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
1	–	2	–	–	2	2	1	–	2	90	Length = SW	2500	EV 1 / light grey	1	P-01991-25-0-1	
												3350	EV 1 / light grey	1	P-01991-33-0-1	

L&S accessories, threshold											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	2	1	1	–	2	90	–	1	K-18703-00-0-1	
Contains: end caps, gasket plates														

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	-	1	-	-	1	1	1	-	1	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
1	-	1	-	-	1	1	1	-	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)															
1	-	1	-	-	1	1	1	-	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
											4000	EV 1 / light grey	1	9-39311-40-0-1	
											5000	EV 1 / light grey	1	9-39311-50-0-1	
											6700	EV 1 / light grey	1	9-39311-67-0-1	
												UC 5 / dark bronze	1	9-39311-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 280 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-flatstep 222 threshold

Sash thickness 90 mm, sash distance 25 mm



Hardware requirements – patterns A3, D, F, H

Attachment tracks for total frame widths up to 5000 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
P 1992 attachment track-1 19/80																
-	1	-	1	2	-	-	-	1	-	90	Length = SW	2500	EV 1 / light grey	1	P-01992-25-0-1	
P 1992 attachment track-2 19/80																
-	1	-	1	2	-	-	-	1	-	90	Length = SW	2500	EV 1 / light grey	1	9-48287-25-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	-	-	Length = SW	3350	black	1	9-39736-33-0-6	

Attachment tracks for total frame widths from 5001 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
P 1992 attachment track-1 19/80																
-	1	-	1	2	-	-	-	1	-	90	Length = SW	3350	EV 1 / light grey	1	P-01992-33-0-1	
P 1992 attachment track-2 19/80																
-	1	-	1	2	-	-	-	1	0	90	Length = SW	3350	EV 1 / light grey	1	9-48287-33-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	0	-	Length = SW	3350	black	1	9-39736-33-0-6	

L&S accessories, threshold

L&S accessories, threshold – 4 mm roller track bb											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	2	–	–	–	2	–	90	–	1		
Alternative: L&S accessories, threshold – 10 mm roller track														
–	1	–	1	2	–	–	–	2	–	90	–	1		
Contains: 1 x tread threshold, end caps, gaskets, fixing screws														

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
-	1	-	2	2	-	-	-	2	-	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
-	1	-	2	2	-	-	-	2	-	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	

Corner connection parts – all patterns

L&S corner connector														
Pattern										ST [mm]	FW [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-00-0-1
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-00-0-1
Contains: 2 x corner connector, 2 x gasket plate														

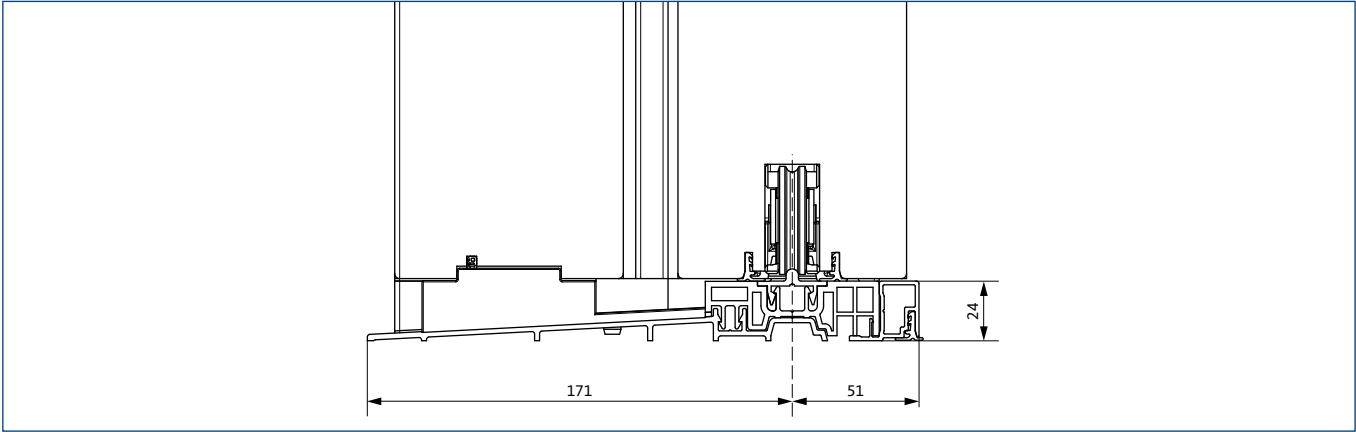
L&S corner connection parts														
Pattern										Description	Finish	PU	Order no.	
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws														
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17869-00-0-1	
Contains: 4 x segmental nut, fixing screws														

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 280 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-flatstep 222 threshold

Sash thickness 92 mm, sash distance 22 mm



Threshold base profile – all patterns

GU-flatstep 222 base profile											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	1	1	1	1	Length = TFW	6700	EV 1 / light grey	1	6-36103-67-0-1	

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1989 attachment track 19/79											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
1	–	2	–	–	2	2	1	–	2	92	Length = SW	2500	EV 1 / light grey	1	P-01989-25-0-1	
												3350	EV 1 / light grey	1	P-01989-33-0-1	

L&S accessories, threshold											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	2	1	1	–	2	92	–	1	K-18704-00-0-1	
Contains: end caps, gasket plates														

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	-	1	-	-	1	1	1	-	1	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
1	-	1	-	-	1	1	1	-	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)															
1	-	1	-	-	1	1	1	-	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
											4000	EV 1 / light grey	1	9-39311-40-0-1	
											5000	EV 1 / light grey	1	9-39311-50-0-1	
											6700	EV 1 / light grey	1	9-39311-67-0-1	
												UC 5 / dark bronze	1	9-39311-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 280 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-flatstep 222 threshold

Sash thickness 92 mm, sash distance 22 mm



Hardware requirements – patterns A3, D, F, H

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
–	1	–	1	2	–	–	–	1	–	92	Length = SW	2500	EV 1 / light grey	1	K-18709-25-0-1	
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x gasket profile																

Attachment tracks for total frame widths from 5001 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
P 1990 attachment track-1 19/79																
-	1	-	1	2	-	-	-	1	-	92	Length = SW	3350	EV 1 / light grey	1	P-01990-33-0-1	
P 1990 attachment track-2 19/79																
-	1	-	1	2	-	-	-	1	0	92	Length = SW	3350	EV 1 / light grey	1	9-48286-33-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	0	-	Length = SW	3350	black	1	9-39736-33-0-6	

L&S accessories, threshold

L&S accessories, threshold – 4 mm roller track bb											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	2	–	–	–	2	–	92	–	1	K-18714-05-0-1	
Alternative: L&S accessories, threshold – 10 mm roller track														
–	1	–	1	2	–	–	–	2	–	92	–	1	K-18714-10-0-1	
Contains: 1 x tread threshold, end caps, gaskets, fixing screws														

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
-	1	-	2	2	-	-	-	2	-	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
-	1	-	2	2	-	-	-	2	-	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	

GU-flatstep 222 threshold

Sash thickness 92 mm, sash distance 22 mm



Corner connection parts – all patterns

L&S corner connector											ST [mm]	FW [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-00-0-1	
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-00-0-1	
Contains: 2 x corner connector, 2 x gasket plate															

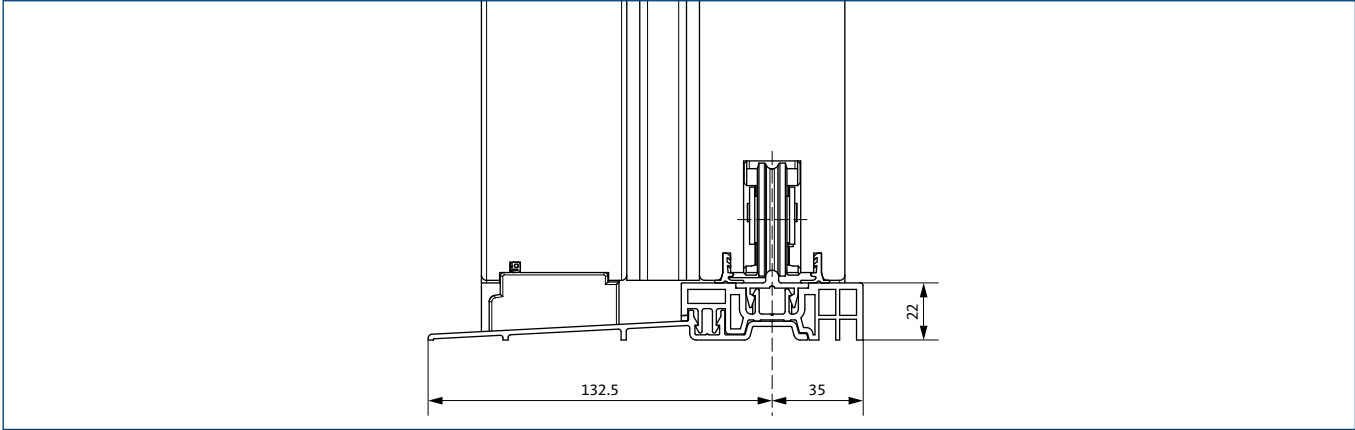
L&S corner connection parts											Description	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws														
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17869-00-0-1	
Contains: 4 x segmental nut, fixing screws														

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 280 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-flatstep 164 threshold

Sash thickness 56 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-flatstep 164 base profile								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern												
A	C	D	F	G2	K							
1	1	1	1	1	1		Length = TFW	6700	EV 1 / light grey	1		6-34948-67-0-1
									UC 5 / dark bronze	1		6-34948-67-0-5

GU-flatstep 164 threshold

Sash thickness 56 mm, sash distance 28 mm



Hardware requirements – patterns A, C, G2, K

L&S attachment track												
Pattern							ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K							
1	2	–	–	2	2		56, 68	Length = SW	3350	EV 1 / light grey	1	K-17710-33-0-1
Contains: 1 x attachment track, 1 x intermediate profile, accessories												

P 2209 roller track bb (4 mm)												
Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
A	C	D	F	G2	K							
1	1	–	–	1	1		Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
								4000	EV 1 / light grey	1	P-02209-40-0-1	
								5000	EV 1 / light grey	1	P-02209-50-0-1	
								6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)												
1	1	–	–	1	1		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
								6700	EV 1 / light grey	1	9-39330-67-0-1	
									UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)												
1	1	–	–	1	1		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
								4000	EV 1 / light grey	1	9-39311-40-0-1	
								5000	EV 1 / light grey	1	9-39311-50-0-1	
								6700	EV 1 / light grey	1	9-39311-67-0-1	
									UC 5 / dark bronze	1	9-39311-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 288 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-flatstep 164 threshold

Sash thickness 56 mm, sash distance 28 mm



Hardware requirements – patterns D, F

L&S attachment track											
Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
-	-	1	2	-	-		Length = SW	3350	EV 1 / light grey	1	K-17408-33-0-1
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x intermediate profile, accessories											
End caps for P 1633 attachment track-2											
Pattern							Roller track	Finish	PU	Order no.	
A	C	D	F	G2	K					on left	on right
-	-	1	2	-	-	P 2209 (4 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1	
							black	1	9-40295-00-L-6	9-40295-00-R-6	
						P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1	
							black	1	9-39326-00-L-6	9-39326-00-R-6	
P 2209 roller track bb (4 mm)											
Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
-	-	2	2	-	-	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
							4000	EV 1 / light grey	1	P-02209-40-0-1	
							5000	EV 1 / light grey	1	P-02209-50-0-1	
							6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)											
-	-	2	2	-	-	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
							6700	EV 1 / light grey	1	9-39330-67-0-1	
								UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)											
-	-	2	2	-	-	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
							4000	EV 1 / light grey	1	9-39311-40-0-1	
							5000	EV 1 / light grey	1	9-39311-50-0-1	
							6700	EV 1 / light grey	1	9-39311-67-0-1	
								UC 5 / dark bronze	1	9-39311-67-0-5	

GU-flatstep 164 threshold

Sash thickness 56 mm, sash distance 28 mm



Corner connection parts – all patterns

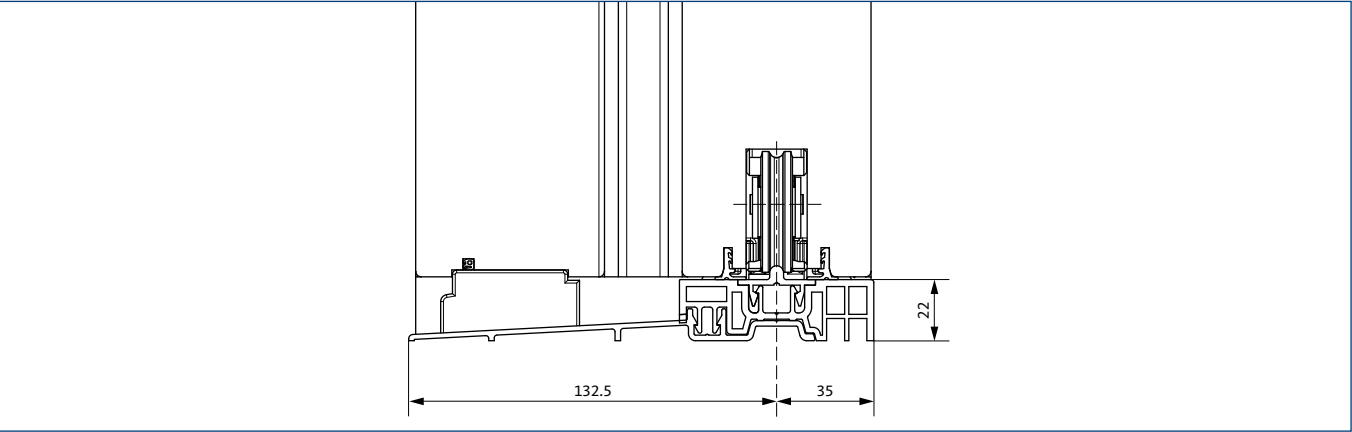
L&S corner connection parts							Description	Finish	PU	Order no.
Pattern										
A	C	D	F	G2	K					
1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws										
1	1	1	1	1	1	bottom	ferGUard	1	K-17869-00-0-1	
Contains: 4 x segmental nut, fixing screws										
L&S gasket parts, frame							Designation	Finish	PU	Order no.
Pattern										
A	C	D	F	G2	K					
1	1	1	1	1	1	L&S gasket parts for 56 frame	black	1	K-17384-56-0-6	
1	1	1	1	1	1	L&S gasket parts for 67 frame (alternative)	black	1	K-17384-67-0-6	
Contains: 2 x gasket part, 2 x supporting plate										

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 288 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-flatstep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-flatstep 164 base profile												
Pattern								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K						
1	1	1	1	1	1	1		Length = TFW	6700	EV 1 / light grey	1	6-34948-67-0-1
										UC 5 / dark bronze	1	6-34948-67-0-5

GU-flatstep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Hardware requirements – patterns A, C, G1, G2, K

L&S attachment track								ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern													
A	C	D	F	G1	G2	K							
1	2	–	–	2	2	2		56, 68	Length = SW	3350	EV 1 / light grey	1	K-17710-33-0-1
Contains: 1 x attachment track, 1 x intermediate profile, accessories													

P 2209 roller track bb (4 mm)													
Pattern								Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
A	C	D	F	G1	G2	K							
1	1	–	–	1	1	1		Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
									4000	EV 1 / light grey	1	P-02209-40-0-1	
									5000	EV 1 / light grey	1	P-02209-50-0-1	
									6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)													
1	1	–	–	1	1	1		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
									6700	EV 1 / light grey	1	9-39330-67-0-1	
										UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)													
1	1	–	–	1	1	1		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
									4000	EV 1 / light grey	1	9-39311-40-0-1	
									5000	EV 1 / light grey	1	9-39311-50-0-1	
									6700	EV 1 / light grey	1	9-39311-67-0-1	
										UC 5 / dark bronze	1	9-39311-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 288 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-flatstep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Hardware requirements – patterns D, F

L&S attachment track												
Pattern								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K						
-	-	1	2	-	-	-		Length = SW	3350	EV 1 / light grey	1	K-17408-33-0-1
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x intermediate profile, accessories												
End caps for P 1633 attachment track-2												
Pattern								Roller track	Finish	PU	Order no.	
A	C	D	F	G1	G2	K					on left	on right
-	-	1	-	-	-	-		P 2209 (4 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
								P 1659 (10 mm)	black	1	9-40295-00-L-6	9-40295-00-R-6
								P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
									black	1	9-39326-00-L-6	9-39326-00-R-6
P 2209 roller track bb (4 mm)												
Pattern								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K						
-	-	2	2	-	-	-		Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1
									4000	EV 1 / light grey	1	P-02209-40-0-1
									5000	EV 1 / light grey	1	P-02209-50-0-1
									6700	EV 1 / light grey	1	P-02209-67-0-1
Alternative: P 1659 roller track 10 (10 mm)												
-	-	2	2	-	-	-		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
									6700	EV 1 / light grey	1	9-39330-67-0-1
									UC 5 / dark bronze		1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)												
-	-	2	2	-	-	-		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
									4000	EV 1 / light grey	1	9-39311-40-0-1
									5000	EV 1 / light grey	1	9-39311-50-0-1
									6700	EV 1 / light grey	1	9-39311-67-0-1
									UC 5 / dark bronze		1	9-39311-67-0-5

GU-flatstep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Corner connection parts – all patterns

L&S corner connection parts										
Pattern							Description	Finish	PU	Order no.
A	C	D	F	G1	G2	K				
1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws										
1	1	1	1	1	1	1	bottom	ferGUard	1	K-17869-00-0-1
Contains: 4 x segmental nut, fixing screws										

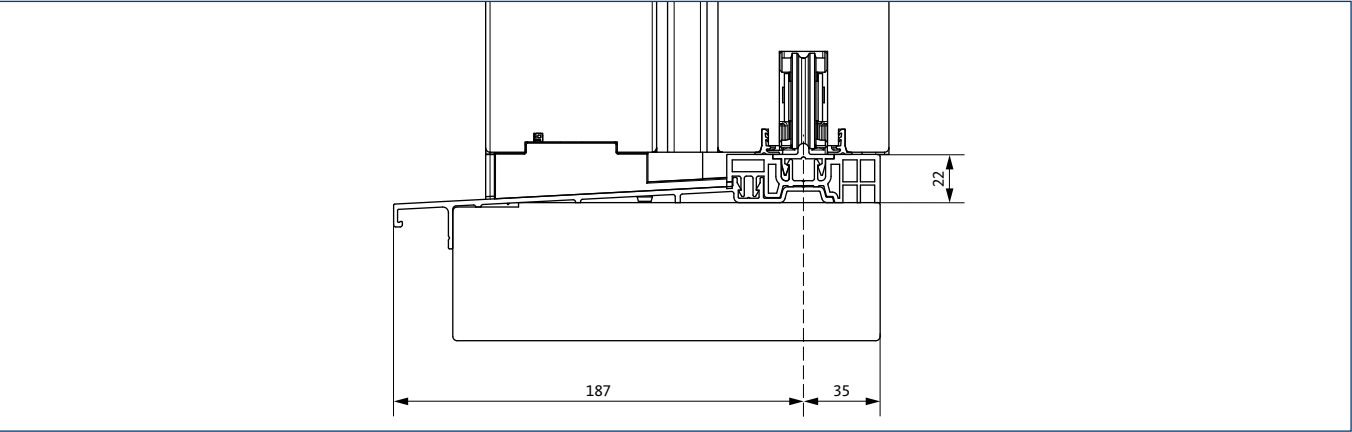
L&S gasket parts, frame										
Pattern							Designation	Finish	PU	Order no.
A	C	D	F	G1	G2	K				
1	1	1	1	1	1	1	L&S gasket parts for 56 frame	black	1	K-17384-56-0-6
1	1	1	1	1	1	1	L&S gasket parts for 67 frame (alternative)	black	1	K-17384-67-0-6
Contains: 2 x gasket part, 2 x supporting plate										

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 288 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-timberstep 204 threshold

Sash thickness 78 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-timberstep 204 base profile										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	5000	EV 1 / light grey	1	6-35512-50-0-1
											6700	EV 1 / light grey	1	6-35512-67-0-1

GU-timberstep 204 threshold

Sash thickness 78 mm, sash distance 28 mm



Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1987 attachment track 19/71															
Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	-	2	-	-	2	2	1	-	2	78	Length = SW	2000	EV 1 / light grey	1	P-01987-20-0-1
												2500	EV 1 / light grey	1	P-01987-25-0-1
												3350	EV 1 / light grey	1	P-01987-33-0-1

L&S accessories, threshold														
Pattern										ST [mm]	Finish	PU	Order no.	
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	2	1	1	–	2	78	–	1	K-18701-00-0-1	
Contains: end caps, gasket plates														

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	-	1	-	-	1	1	1	-	1	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
1	-	1	-	-	1	1	1	-	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)															
1	-	1	-	-	1	1	1	-	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
											4000	EV 1 / light grey	1	9-39311-40-0-1	
											5000	EV 1 / light grey	1	9-39311-50-0-1	
											6700	EV 1 / light grey	1	9-39311-67-0-1	
												UC 5 / dark bronze	1	9-39311-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 297 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-timberstep 204 threshold

Sash thickness 78 mm, sash distance 28 mm



Hardware requirements – patterns A3, D, F, H

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
–	1	–	1	2	–	–	–	1	–	78	Length = SW	2500	EV 1 / light grey	1	K-18706-25-0-1	
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x gasket profile																

Attachment tracks for total frame widths from 5001 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
P 1988 attachment track-1 19/71																
-	1	-	1	2	-	-	-	1	-	78	Length = SW	3350	EV 1 / light grey	1	P-01988-33-0-1	
P 1988 attachment track-2 19/71																
-	1	-	1	2	-	-	-	1	0	78	Length = SW	3350	EV 1 / light grey	1	9-48285-33-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	0	-	Length = SW	3350	black	1	9-39736-33-0-6	

L&S accessories, threshold

L&S accessories, threshold – 4 mm roller track bb											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	2	–	–	–	2	–	78	–	1	K-18711-05-0-1	
Alternative: L&S accessories, threshold – 10 mm roller track														
–	1	–	1	2	–	–	–	2	–	78	–	1	K-18711-10-0-1	
Contains: 1 x tread threshold, end caps, gaskets, fixing screws														

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
-	1	-	2	2	-	-	-	2	-	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
-	1	-	2	2	-	-	-	2	-	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	

Corner connection parts – all patterns

L&S corner connector											ST [mm]	FW [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	2	1	1	1	78	63	grey	1	K-17914-03-0-1	
1	1	1	1	1	1	2	1	1	1	78	56	grey	1	K-18493-03-0-1	
Contains: 2 x corner connector, 2 x gasket plate															

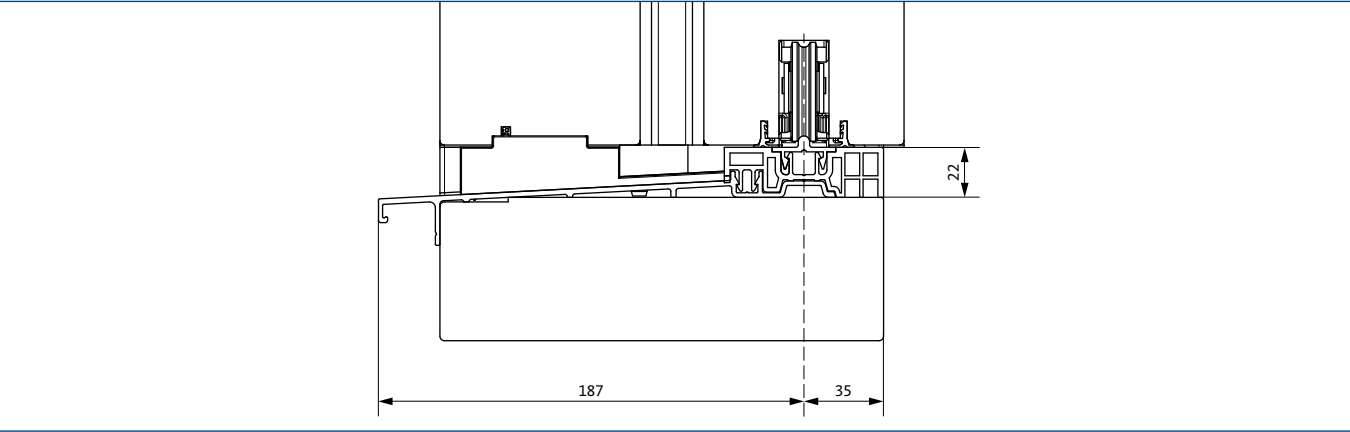
Contains: 2 x corner connector, 2 x gasket plate

L&S corner connection parts											Description	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1	

Contains: 4 x segmental nut, 4 x washer, fixing screws

GU-timberstep 204 threshold

Sash thickness 88 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-timberstep 204 base profile										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	5000	EV 1 / light grey	1	6-35512-50-0-1
											6700	EV 1 / light grey	1	6-35512-67-0-1

GU-timberstep 204 threshold

Sash thickness 88 mm, sash distance 28 mm



Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1993 attachment track 19/81											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
1	–	2	–	–	2	2	1	–	2	88	Length = SW	2500	EV 1 / light grey	1	P-01993-25-0-1	
												3300	EV 1 / light grey	1	P-01993-33-0-1	

L&S accessories, threshold											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	2	1	1	–	2	88	–	1	K-18702-00-0-1	
Contains: end caps, gasket plates														

Roller tracks

P 2209 roller track bb (4 mm)														
Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1
											4000	EV 1 / light grey	1	P-02209-40-0-1
											5000	EV 1 / light grey	1	P-02209-50-0-1
											6700	EV 1 / light grey	1	P-02209-67-0-1
Alternative: P 1659 roller track 10 (10 mm)														
1	1	1	1	1	1	1	1	1	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
											6700	EV 1 / light grey	1	9-39330-67-0-1
												UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)														
1	1	1	1	1	1	1	1	1	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
											4000	EV 1 / light grey	1	9-39311-40-0-1
											5000	EV 1 / light grey	1	9-39311-50-0-1
											6700	EV 1 / light grey	1	9-39311-67-0-1
												UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 297 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-timberstep 204 threshold

Sash thickness 88 mm, sash distance 28 mm



Hardware requirements – patterns A3, D, F, H

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
–	1	–	1	2	–	–	–	1	–	88	Length = SW	2500	EV 1 / light grey	1	K-18707-25-0-1	
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x gasket profile																

Attachment tracks for total frame widths from 5001 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
P 1994 attachment track-1 19/81																
-	1	-	1	2	-	-	-	1	-	88	Length = SW	3350	EV 1 / light grey	1	P-01994-33-0-1	
P 1994 attachment track-2 19/81																
-	1	-	1	2	-	-	-	1	0	88	Length = SW	3350	EV 1 / light grey	1	9-48288-33-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	0	-	Length = SW	3350	black	1	9-39736-33-0-6	

L&S accessories, threshold

L&S accessories, threshold – 4 mm roller track bb											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	2	–	–	–	2	–	88	–	1	K-18712-05-0-1	
Alternative: L&S accessories, threshold – 10 mm roller track														
–	1	–	1	2	–	–	–	2	–	88	–	1	K-18712-10-0-1	
Contains: 1 x tread threshold, end caps, gaskets, fixing screws														

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
-	1	-	2	2	-	-	-	2	-	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
-	1	-	2	2	-	-	-	2	-	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	

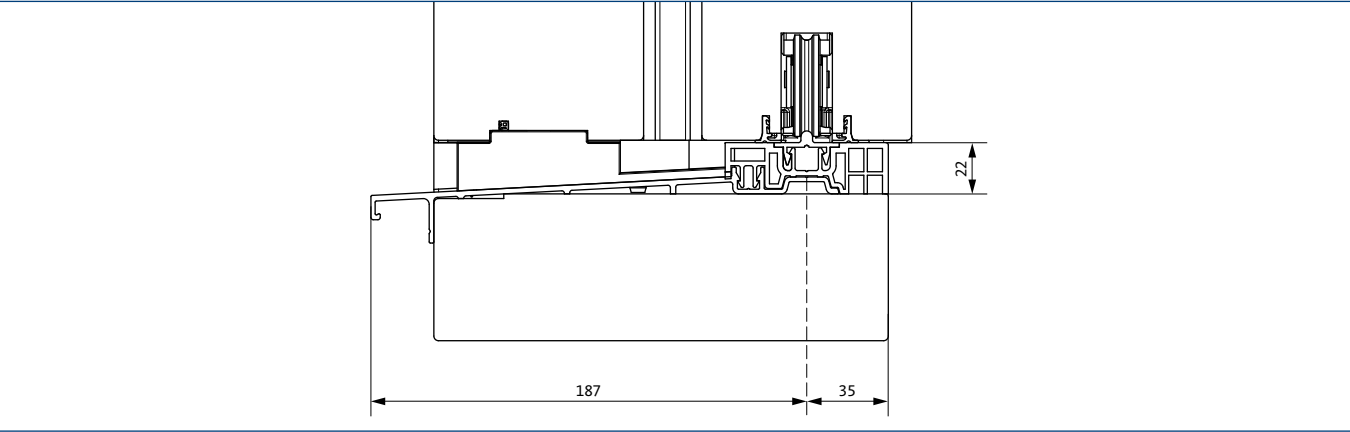
Corner connection parts – all patterns

L&S corner connector											ST [mm]	FW [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-01-0-1	
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-01-0-1	
Contains: 2 x corner connector, 2 x gasket plate															

L&S corner connection parts											Description	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws														

GU-timberstep 204 threshold

Sash thickness 90 mm, sash distance 25 mm



Threshold base profile – all patterns

GU-timberstep 204 base profile										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	5000	EV 1 / light grey	1	6-35512-50-0-1
											6700	EV 1 / light grey	1	6-35512-67-0-1

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1991 attachment track 19/80															
Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	-	2	-	-	2	2	1	-	2	90	Length = SW	2500	EV 1 / light grey	1	P-01991-25-0-1
												3350	EV 1 / light grey	1	P-01991-33-0-1

L&S accessories, threshold														
Pattern										ST [mm]	Finish	PU	Order no.	
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	2	1	1	–	2	90	–	1	K-18703-00-0-1	
Contains: end caps, gasket plates														

Roller tracks

P 2209 roller track bb (4 mm)															
Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
A	A3	C	D	F	G1	G2	G3	H	K						
1	-	1	-	-	1	1	1	-	1	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
1	-	1	-	-	1	1	1	-	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)															
1	-	1	-	-	1	1	1	-	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
											4000	EV 1 / light grey	1	9-39311-40-0-1	
											5000	EV 1 / light grey	1	9-39311-50-0-1	
											6700	EV 1 / light grey	1	9-39311-67-0-1	
												UC 5 / dark bronze	1	9-39311-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 297 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-timberstep 204 threshold

Sash thickness 90 mm, sash distance 25 mm



Hardware requirements – patterns A3, D, F, H

Attachment tracks for total frame widths up to 5000 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
Attachment track-1 P 19/80 P 1992																
-	1	-	1	2	-	-	-	1	-	90	Length = SW	2500	EV 1 / light grey	1	P-01992-25-0-1	
Attachment track-2 P 19/80 P 1992																
-	1	-	1	2	-	-	-	1	-	90	Length = SW	2500	EV 1 / light grey	1	9-48287-25-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	-	-	Length = SW	3350	black	1	9-39736-33-0-6	

Attachment tracks for total frame widths from 5001 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
P 1992 attachment track-1 19/80																
-	1	-	1	2	-	-	-	1	-	90	Length = SW	3350	EV 1 / light grey	1	P-01992-33-0-1	
P 1992 attachment track-2 19/80																
-	1	-	1	2	-	-	-	1	-	90	Length = SW	3350	EV 1 / light grey	1	9-48287-33-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	-	-	Length = SW	3350	black	1	9-39736-33-0-6	

L&S accessories, threshold

L&S accessories, threshold – 4 mm roller track bb													
Pattern										ST [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K				
–	1	–	1	2	–	–	–	2	–	90	–	1	K-18713-05-0-1
Alternative: L&S accessories, threshold – 10 mm roller track													
–	1	–	1	2	–	–	–	2	–	90	–	1	K-18713-10-0-1
Contains: 1 x tread threshold, end caps, gaskets, fixing screws													

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
-	1	-	2	2	-	-	-	2	-	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
-	1	-	2	2	-	-	-	2	-	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	

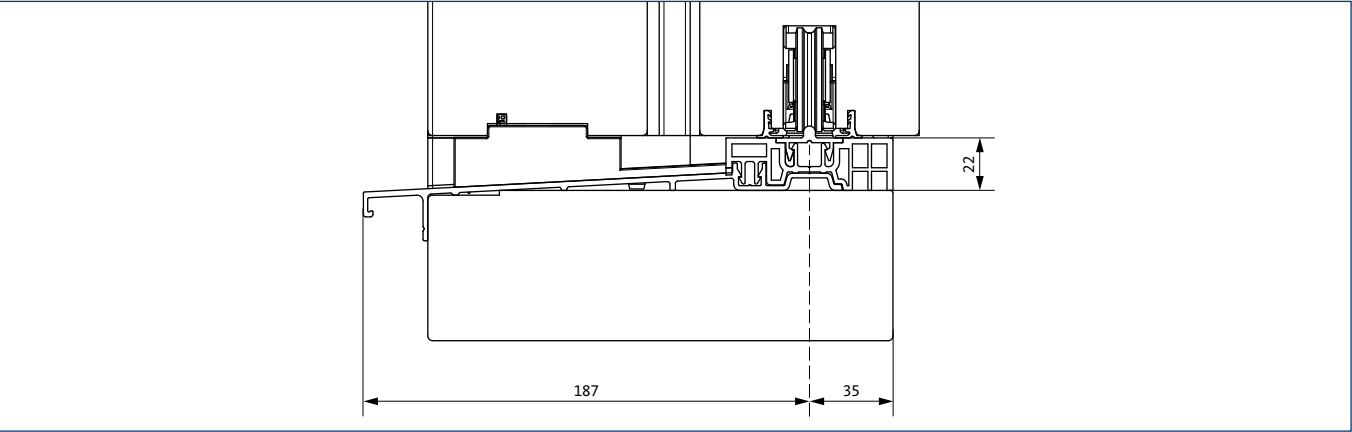
Corner connection parts – all patterns

L&S corner connector											ST [mm]	FW [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-01-0-1	
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-01-0-1	
Contains: 2 x corner connector, 2 x gasket plate															

L&S corner connection parts											Description	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws														

GU-timberstep 204 threshold

Sash thickness 92 mm, sash distance 22 mm



Threshold base profile – all patterns

GU-timberstep 204 base profile														
Pattern										Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	Length = TFW	5000	EV 1 / light grey	1	6-35512-50-0-1
											6700	EV 1 / light grey	1	6-35512-67-0-1

Hardware requirements – patterns A, C, G1, G2, G3, K

Attachment tracks and accessories

P 1989 attachment track 19/79															
Pattern										ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	A3	C	D	F	G1	G2	G3	H	K						
1	–	2	–	–	2	2	1	–	2	92	Length = SW	2500	EV 1 / light grey	1	P-01989-25-0-1
												3350	EV 1 / light grey	1	P-01989-33-0-1

L&S accessories, threshold														
Pattern										ST [mm]	Finish	PU	Order no.	
A	A3	C	D	F	G1	G2	G3	H	K					
1	–	2	–	–	2	1	1	–	2	92	–	1	K-18704-00-0-1	
Contains: end caps, gasket plates														

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	-	1	-	-	1	1	1	-	1	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
1	-	1	-	-	1	1	1	-	1	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	
Alternative: P 1635 roller track 15 (15 mm)															
1	-	1	-	-	1	1	1	-	1	Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1	
											4000	EV 1 / light grey	1	9-39311-40-0-1	
											5000	EV 1 / light grey	1	9-39311-50-0-1	
											6700	EV 1 / light grey	1	9-39311-67-0-1	
												UC 5 / dark bronze	1	9-39311-67-0-5	

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 297 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-timberstep 204 threshold

Sash thickness 92 mm, sash distance 22 mm



Hardware requirements – patterns A3, D, F, H

Attachment tracks for total frame widths up to 5000 mm

L&S attachment track											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
–	1	–	1	2	–	–	–	1	–	92	Length = SW	2500	EV 1 / light grey	1	K-18709-25-0-1	
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x gasket profile																

Attachment tracks for total frame widths from 5001 mm

Attachment tracks and gasket profile											ST [mm]	Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	F	G1	G2	G3	H	K							
P 1990 attachment track-1 19/79																
-	1	-	1	2	-	-	-	1	-	92	Length = SW	3350	EV 1 / light grey	1	P-01990-33-0-1	
P 1990 attachment track-2 19/79																
-	1	-	1	2	-	-	-	1	-	92	Length = SW	3350	EV 1 / light grey	1	9-48286-33-0-1	
P 1645 gasket profile																
-	1	-	1	2	-	-	-	1	-	-	Length = SW	3350	black	1	9-39736-33-0-6	

L&S accessories, threshold

L&S accessories, threshold – 4 mm roller track bb											ST [mm]	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
–	1	–	1	2	–	–	–	2	–	92	–	1	K-18714-05-0-1	
Alternative: L&S accessories, threshold – 10 mm roller track														
–	1	–	1	2	–	–	–	2	–	92	–	1	K-18714-10-0-1	
Contains: 1 x tread threshold, end caps, gaskets, fixing screws														

Roller tracks

P 2209 roller track bb (4 mm)											Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
-	1	-	2	2	-	-	-	2	-	Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1	
											4000	EV 1 / light grey	1	P-02209-40-0-1	
											5000	EV 1 / light grey	1	P-02209-50-0-1	
											6700	EV 1 / light grey	1	P-02209-67-0-1	
Alternative: P 1659 roller track 10 (10 mm)															
-	1	-	2	2	-	-	-	2	-	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	
											6700	EV 1 / light grey	1	9-39330-67-0-1	
												UC 5 / dark bronze	1	9-39330-67-0-5	

Corner connection parts – all patterns

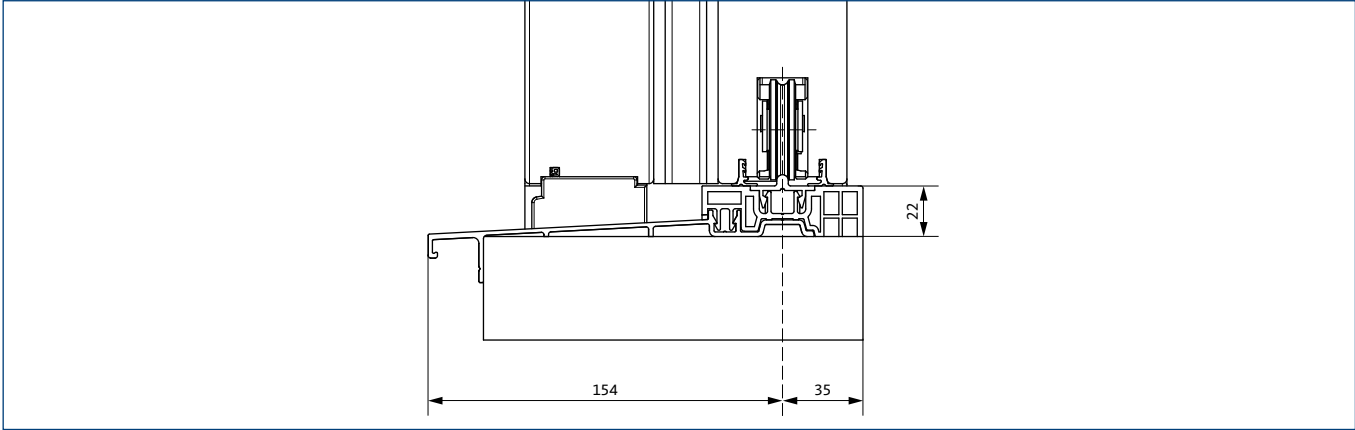
L&S corner connector											ST [mm]	FW [mm]	Finish	PU	Order no.
Pattern															
A	A3	C	D	F	G1	G2	G3	H	K						
1	1	1	1	1	1	2	1	1	1	88, 90, 92	63	grey	1	K-17914-01-0-1	
1	1	1	1	1	1	2	1	1	1	88, 90, 92	56	grey	1	K-18493-01-0-1	
Contains: 2 x corner connector, 2 x gasket plate															

L&S corner connection parts											Description	Finish	PU	Order no.
Pattern														
A	A3	C	D	F	G1	G2	G3	H	K					
1	1	1	1	1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws														

[1] You can find explanations about the reference dimension on pages 522 – 533.

GU-timberstep 164 threshold

Sash thickness 56 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-timberstep 164 base profile								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
Pattern												
A	C	D	F	G2	K							
1	1	1	1	1	1		Length = TFW	5000	EV 1 / light grey	1	6-35030-50-0-1	
								6700	EV 1 / light grey	1	6-35030-67-0-1	
									UC 5 / dark bronze	1	6-35030-67-0-5	

GU-timberstep 164 threshold

Sash thickness 56 mm, sash distance 28 mm



Hardware requirements – patterns A, C, G2, K

L&S attachment track											
Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
1	2	–	–	2	2		Length = SW	3350	EV 1 / light grey	1	K-17710-33-0-1
Contains: 1 x attachment track, 1 x intermediate profile, accessories											

P 2209 roller track bb (4 mm)											
Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
1	1	–	–	1	1		Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1
								4000	EV 1 / light grey	1	P-02209-40-0-1
								5000	EV 1 / light grey	1	P-02209-50-0-1
								6700	EV 1 / light grey	1	P-02209-67-0-1
Alternative: P 1659 roller track 10 (10 mm)											
1	1	–	–	1	1		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
								6700	EV 1 / light grey	1	9-39330-67-0-1
									UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)											
1	1	–	–	1	1		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
								4000	EV 1 / light grey	1	9-39311-40-0-1
								5000	EV 1 / light grey	1	9-39311-50-0-1
								6700	EV 1 / light grey	1	9-39311-67-0-1
									UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 306 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-timberstep 164 threshold

Sash thickness 56 mm, sash distance 28 mm



Hardware requirements – patterns D, F

L&S attachment track											
Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
-	-	1	2	-	-		Length = SW	3350	EV 1 / light grey	1	K-17408-33-0-1
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x intermediate profile, accessories											
End caps for P 1633 attachment track-2											
Pattern							Roller track	Finish	PU	Order no.	
A	C	D	F	G2	K					on left	on right
-	-	1	-	-	-		P 2209 (4 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
							P 1659 (10 mm)	black	1	9-40295-00-L-6	9-40295-00-R-6
							P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
								black	1	9-39326-00-L-6	9-39326-00-R-6
P 2209 roller track bb (4 mm)											
Pattern							Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G2	K						
-	-	2	2	-	-		Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1
								4000	EV 1 / light grey	1	P-02209-40-0-1
								5000	EV 1 / light grey	1	P-02209-50-0-1
								6700	EV 1 / light grey	1	P-02209-67-0-1
Alternative: P 1659 roller track 10 (10 mm)											
-	-	2	2	-	-		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
								6700	EV 1 / light grey	1	9-39330-67-0-1
									UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)											
-	-	2	2	-	-		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
								4000	EV 1 / light grey	1	9-39311-40-0-1
								5000	EV 1 / light grey	1	9-39311-50-0-1
								6700	EV 1 / light grey	1	9-39311-67-0-1
									UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connection parts										
Pattern						Description	Finish	PU	Order no.	
A	C	D	F	G2	K					
1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws										

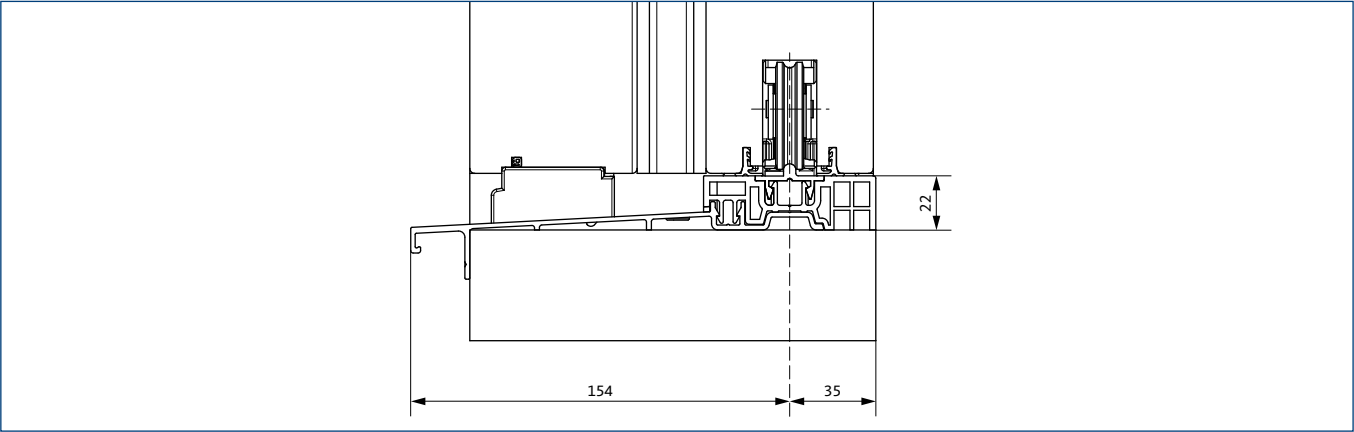
Contains: 4 x segmental nut, 4 x washer, fixing screws

L&S gasket parts, frame							Designation	Finish	PU	Order no.
Pattern										
A	C	D	F	G2	K					
1	1	1	1	1	1	L&S gasket parts for 56 frame	black	1	K-17384-56-0-6	
1	1	1	1	1	1	L&S gasket parts for 67 frame (alternative)	black	1	K-17384-67-0-6	

Contains: 2 x gasket part, 2 x supporting plate

GU-timberstep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Threshold base profile – all patterns

GU-timberstep 164 base profile												
Pattern								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K						
1	1	1	1	1	1	1		Length = TFW	5000	EV 1 / light grey	1	6-35030-50-0-1
									6700	EV 1 / light grey	1	6-35030-67-0-1
										UC 5 / dark bronze	1	6-35030-67-0-5

GU-timberstep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Hardware requirements – patterns A, C, G1, G2, K

L&S attachment track												
Pattern								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K						
1	2	–	–	2	2	2		Length = SW	3350	EV 1 / light grey	1	K-17710-33-0-1
Contains: 1 x attachment track, 1 x intermediate profile, accessories												

P 2209 roller track bb (4 mm)												
Pattern								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K						
1	1	–	–	1	1	1		Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1
									4000	EV 1 / light grey	1	P-02209-40-0-1
									5000	EV 1 / light grey	1	P-02209-50-0-1
									6700	EV 1 / light grey	1	P-02209-67-0-1
Alternative: P 1659 roller track 10 (10 mm)												
1	1	–	–	1	1	1		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
									6700	EV 1 / light grey	1	9-39330-67-0-1
										UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)												
1	1	–	–	1	1	1		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
									4000	EV 1 / light grey	1	9-39311-40-0-1
									5000	EV 1 / light grey	1	9-39311-50-0-1
									6700	EV 1 / light grey	1	9-39311-67-0-1
										UC 5 / dark bronze	1	9-39311-67-0-5

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 306 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

GU-timberstep 164 threshold

Sash thickness 68 mm, sash distance 28 mm



Hardware requirements – patterns D, F

L&S attachment track												
Pattern								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K						
-	-	1	2	-	-	-		Length = SW	3350	EV 1 / light grey	1	K-17408-33-0-1
Contains: 1 x attachment track-1, 1 x attachment track-2, 1 x intermediate profile, accessories												
End caps for P 1633 attachment track-2												
Pattern								Roller track	Finish	PU	Order no.	
A	C	D	F	G1	G2	K					on left	on right
-	-	1	-	-	-	-		P 2209 (4 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
								P 1659 (10 mm)	black	1	9-40295-00-L-6	9-40295-00-R-6
								P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
									black	1	9-39326-00-L-6	9-39326-00-R-6
P 2209 roller track bb (4 mm)												
Pattern								Reference dimension [1]	Length [mm]	Finish	PU	Order no.
A	C	D	F	G1	G2	K						
-	-	2	2	-	-	-		Length = TFW	3000	EV 1 / light grey	1	P-02209-30-0-1
									4000	EV 1 / light grey	1	P-02209-40-0-1
									5000	EV 1 / light grey	1	P-02209-50-0-1
									6700	EV 1 / light grey	1	P-02209-67-0-1
Alternative: P 1659 roller track 10 (10 mm)												
-	-	2	2	-	-	-		Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1
									6700	EV 1 / light grey	1	9-39330-67-0-1
										UC 5 / dark bronze	1	9-39330-67-0-5
Alternative: P 1635 roller track 15 (15 mm)												
-	-	2	2	-	-	-		Length = TFW	3000	EV 1 / light grey	1	9-39311-30-0-1
									4000	EV 1 / light grey	1	9-39311-40-0-1
									5000	EV 1 / light grey	1	9-39311-50-0-1
									6700	EV 1 / light grey	1	9-39311-67-0-1
										UC 5 / dark bronze	1	9-39311-67-0-5

Corner connection parts – all patterns

L&S corner connection parts										
Pattern						Description	Finish	PU	Order no.	
A	C	D	F	G2	K					
1	1	1	1	1	1	top	ferGUard	1	K-10323-00-0-1	
1	1	1	1	1	1	bottom	ferGUard	1	K-17870-00-0-1	
Contains: 4 x segmental nut, 4 x washer, fixing screws										

L&S gasket parts, frame							Designation	Finish	PU	Order no.
Pattern										
A	C	D	F	G2	K					
1	1	1	1	1	1	L&S gasket parts for 56 frame	black	1	K-17384-56-0-6	
1	1	1	1	1	1	L&S gasket parts for 67 frame (alternative)	black	1	K-17384-67-0-6	
Contains: 2 x gasket part, 2 x supporting plate										

[1] You can find explanations about the reference dimension on pages 522 – 533.

You can find all individual parts in Chapter 3.2 "Overviews of individual parts, thresholds" from page 306 and in Chapter 3.4 "Individual gaskets and gasket profiles" from page 326.

P 1786 guide track



L&S guide track P 1786

L&S guide track P 1786													Reference dimension	Length [mm]	Finish	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
1	1	1	2	2	2	1	1	1	2	1	2	Length = TFW	3000	EV 1 / light grey	1	K-17872-30-0-1	
														UC 5 / dark bronze	1	K-17872-30-0-5	
													3500	EV 1 / light grey	1	K-17872-35-0-1	
														4000	EV 1 / light grey	1	K-17872-40-0-1
													UC 5 / dark bronze		1	K-17872-40-0-5	
													4500	EV 1 / light grey	1	K-17872-45-0-1	
														5000	EV 1 / light grey	1	K-17872-50-0-1
													UC 5 / dark bronze		1	K-17872-50-0-5	
													6700	EV 1 / light grey	1	K-17872-67-0-1	
														UC 5 / dark bronze	1	K-17872-67-0-5	
Contains: 1 x guide track P 1786, gasket profiles																	

L&S accessories, guide P 1786

L&S accessories, guide P 1786 – 4 mm roller track													Roller track [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	–	2	–	2	–	1	1	1	–	2	4	4	EV 1 / light grey	1	K-17873-00-0-1	
													black	1	K-17873-00-0-6	
Contains: 2 x guide, 1 x filler piece P 1786, 2 x rubber buffer, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track bb P 2209), 1 x bottom cover plate																
Alternative: L&S accessories, guide P 1786 – 5 mm roller track (order no. 9-39312)																
1	–	2	–	2	–	1	1	1	–	2	4	5	EV 1 / light grey	1	K-17873-05-0-1	
													black	1	K-17873-05-0-6	
Contains: 2 x guide, 1 x filler piece P 1786, 2 x rubber buffer, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track 5 P 1636), 1 x bottom cover plate																
Alternative: L&S accessories, guide P 1786 – 10 mm roller track																
1	1	2	2	2	4	1	1	1	3	2	4	10	EV 1 / light grey	1	K-17873-10-0-1	
													black	1	K-17873-10-0-6	
Contains: 2 x guide, 1 x filler piece P 1786, 2 x rubber buffer, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track 10 P 1659), 1 x bottom cover plate																
Alternative: L&S accessories, guide P 1786 – 15 mm roller track																
1	–	2	–	2	–	1	1	1	–	2	4	15	EV 1 / light grey	1	K-17873-15-0-1	
													black	1	K-17873-15-0-6	
Contains: 2 x guide, 1 x filler piece P 1786, 2 x rubber buffer, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track 15 P 1635), 1 x bottom cover plate																

Bridging gaskets

Bridging gaskets													Designation	SD [mm]	ST [mm]	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	1	-	2	1	-	-	1	-	-	Bridging gasket above the meeting stile	22	92, 110	1	6-22154-21-0-6	
													25	90	1	6-22154-22-0-6	
													28	56, 68, 78, 88	1	6-22154-08-0-6	
1	1	2	-	1	-	1	1	1	-	2	2	Bridging gasket, pattern A	22	110	1	6-22154-46-0-6	
													22	92	1	6-22154-44-0-6	
													25	90	1		
													28	78, 88	1		
													28	56, 68	1	6-22154-35-0-6	
-	-	-	2	-	4	-	-	-	2	-	-	Bridging gasket, pattern D	22	110	1	6-22154-47-0-6	
													22	92	1	6-22154-45-0-6	
													25	90	1		
													28	78, 88	1		
													28	56,68	1	6-22154-46-0-6	
-	-	-	-	1	-	-	-	-	-	-	2	Bridging gasket, pattern E	All systems		1	6-22154-36-0-6	

P 1850 guide track



L&S guide track P 1850

L&S guide track P 1850													Reference dimension	Length [mm]	Finish		PU	Order no.
Pattern												Profile			Gasket			
A	A3	C	D	E	F	G1	G2	G3	H	K	L							
1	1	1	2	2	2	1	1	1	2	1	2	Length = TFW	3000	EV 1	grey	1	K-17997-30-0-1	
														EV 1	black	1	K-17997-30-0-6	
													3500	EV 1	grey	1	K-17997-35-0-1	
														EV 1	black	1	K-17997-35-0-6	
													4000	EV 1	grey	1	K-17997-40-0-1	
														EV 1	black	1	K-17997-40-0-6	
													4500	EV 1	grey	1	K-17997-45-0-1	
														EV 1	black	1	K-17997-45-0-6	
													5000	EV 1	grey	1	K-17997-50-0-1	
														EV 1	black	1	K-17997-50-0-6	
6700	EV 1	grey	1	K-17997-67-0-1														
	EV 1	black	1	K-17997-67-0-6														
Contains: 1 x guide track P 1850, 1 x guide track P 1849, gasket profiles																		

L&S accessories, guide P 1850

L&S accessories, guide P 1850 – 4 mm roller track													Roller track [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	–	2	–	2	–	1	1	1	–	2	4	4	EV 1 / light grey	1	K-17995-00-0-1	
													black	1	K-17995-00-0-6	
Contains: 2 x guide, 1 x top filler piece, 2 x rubber buffer, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track bb P 2209), 1 x bottom cover plate																
Alternative: L&S accessories, guide P 1850 – 5 mm roller track (order no. 9-39312)																
1	–	2	–	2	–	1	1	1	–	2	4	5	EV 1 / light grey	1	K-17995-05-0-1	
													black	1	K-17995-05-0-6	
Contains: 2 x guide, 1 x top filler piece, 2 x rubber buffer, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track 5 P 1636), 1 x bottom cover plate																
Alternative: L&S accessories, guide P 1850 – 10 mm roller track																
1	1	2	2	2	4	1	1	1	3	2	4	10	EV 1 / light grey	1	K-17995-10-0-1	
													black	1	K-17995-10-0-6	
Contains: 2 x guide, 1 x top filler piece, 2 x rubber buffer, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track 10 P 1659), 1 x bottom cover plate																
Alternative: L&S accessories, concealed guide P 1850 – 4 mm roller track																
1	–	2	–	2	–	1	1	1	–	2	4	4	EV 1 / light grey	1	K-19464-00-0-1	
													black	1	K-19464-00-0-6	
Contains: 5 x guide, 2 x frame cam, 1 x top filler piece, 1 x buffer set, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track bb P 2209), 1 x bottom cover plate, concealed																

Bridging gaskets

Bridging gaskets													Designation	SD [mm]	ST [mm]	PU	Order no.
Pattern																	
A	A3	C	D	E	F	G1	G2	G3	H	K	L						
-	-	-	1	-	2	1	-	-	1	-	-	Bridging gasket above the meeting stile	22	92, 110	1	6-22154-21-0-6	
													25	90	1	6-22154-22-0-6	
													28	56, 68, 78, 88	1	6-22154-08-0-6	
1	1	2	-	1	-	1	1	1	-	2	2	Bridging gasket, pattern A	22	110	1	6-22154-46-0-6	
													22	92	1	6-22154-44-0-6	
													25	90	1		
													28	78, 88	1		
													28	56, 68	1	6-22154-35-0-6	
-	-	-	2	-	4	-	-	-	2	-	-	Bridging gasket, pattern D	22	110	1	6-22154-47-0-6	
													22	92	1	6-22154-45-0-6	
													25	90	1		
													28	78, 88	1		
													28	56.68	1	6-22154-46-0-6	
-	-	-	-	1	-	-	-	-	-	-	2	Bridging gasket, pattern E	All systems		1	6-22154-36-0-6	

P 2301 guide track



L&S guide track P 2301

L&S guide track P 2301													Reference dimension	Length [mm]	Finish			PU	Order no.
Pattern												Profile			Gasket				
															P 1156	P 2322			
A	A3	C	D	E	F	G1	G2	G3	H	K	L	Length = TFW	3000	EV 1	grey	black	1	K-21004-30-0-1	
1	-	1	-	-	-	-	1	1	-	2	-			EV 1	black	black	1	K-21004-30-0-6	
													4000	EV 1	grey	black	1	K-21004-40-0-1	
														EV 1	black	black	1	K-21004-40-0-6	
													5000	EV 1	grey	black	1	K-21004-50-0-1	
														EV 1	black	black	1	K-21004-50-0-6	
													6700	EV 1	grey	black	1	K-21004-67-0-1	
														EV 1	black	black	1	K-21004-67-0-6	
													Contains: 1 x guide track P 2301, 1 x gasket profile P 1156, 1 x gasket profile P 2322						

L&S accessories, guide P 2301

L&S accessories, guide P 2301 – 4 mm roller track													Roller track [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	–	2	–	–	–	–	1	1	–	2	–	4	stainless steel / grey	1	K-21003-00-0-1	
													stainless steel / black	1	K-21003-00-0-6	
Contains: 2 x guide, 1 x top filler piece, 2 x rubber buffer, 1 x PC cover cap, 2 x groove packer, gaskets, 1 x bottom filler piece (for roller track bb P 2209), 1 x bottom cover plate																
Alternative: L&S accessories, guide P 2301 – 5 mm roller track (order no. 9-39312)																
1	–	2	–	–	–	–	1	1	–	2	–	5	stainless steel / grey	1	K-21003-05-0-1	
													stainless steel / black	1	K-21003-05-0-6	
Contains: 2 x guide, 1 x top filler piece, 2 x rubber buffer, 1 x PC cover cap, 2 x groove packer, gaskets, 1 x bottom filler piece (for roller track 5 P 1636), 1 x bottom cover plate																
Alternative: L&S accessories, guide P 2301 – 10 mm roller track																
1	–	2	–	–	–	–	1	1	–	2	–	10	stainless steel / grey	1	K-21003-10-0-1	
													stainless steel / black	1	K-21003-10-0-6	
Contains: 2 x guide, 1 x top filler piece, 2 x rubber buffer, 1 x PC cover cap, 2 x groove packer, gaskets, 1 x bottom filler piece (for roller track 10 P 1659), 1 x bottom cover plate																



3.1 Lift&Slide hardware

L&S bogies GU-934 / GU-937	210
L&S bogies GU-934 / GU-937 – accessories	212
Lift&Slide gears	216
Lift&Slide gears – accessories	219
Frame cams	222
Bottom keepers	224
Buffer, rubber buffer, L&S damping unit	226
L&S lowering safeguard	228
L&S meeting stile sealing strip	229

3.2 Thresholds

GU-thermostep 204	232
GU-thermostep 164	249
GU-threshold 47	269
GU-flatstep 222	280
GU-flatstep 164	288
GU-timberstep 204	297
GU-timberstep 164	306
Timber thresholds	316

3.3 Guide tracks

P 1786	318
P 1850	320
P 2301	324

3.4 Single-part gaskets and gasket profiles

Gasket profiles	326
Gasket corner	329
Gasket plates	330
Gasket pads	335
Bridging gaskets	336

L&S bogies

GU-934, GU-934 Tandem / GU-937, GU-937 Tandem



L&S bogie with rod Ø 8 mm

Use from a minimum sash width of 700 mm

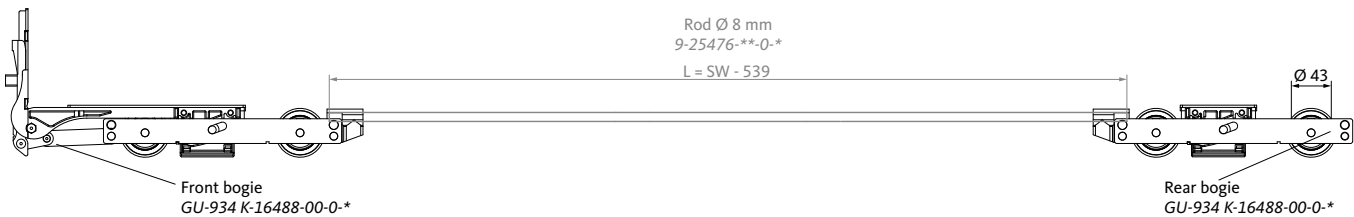


Fig.: L&S bogie GU-934

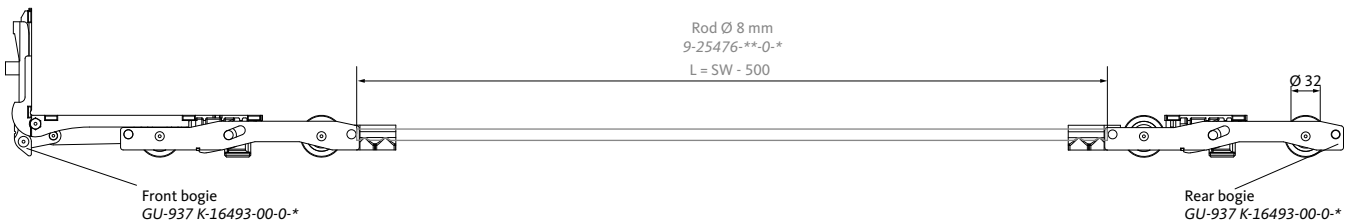


Fig.: L&S bogie GU-937

L&S tandem bogie with rod Ø 8 mm

Use from a minimum sash width of 1210 mm

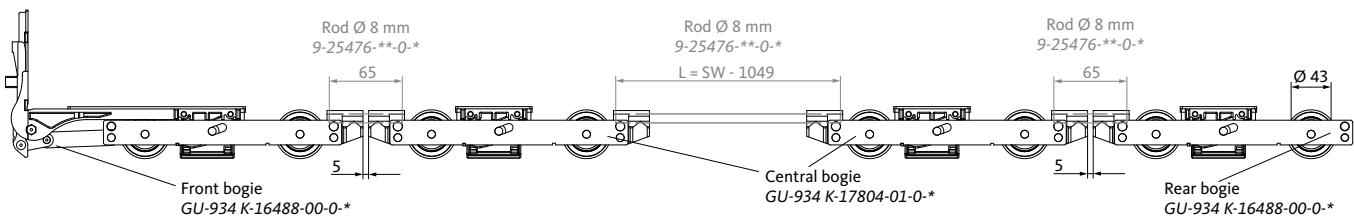


Fig.: L&S bogie GU-934 / L&S tandem bogie GU-934

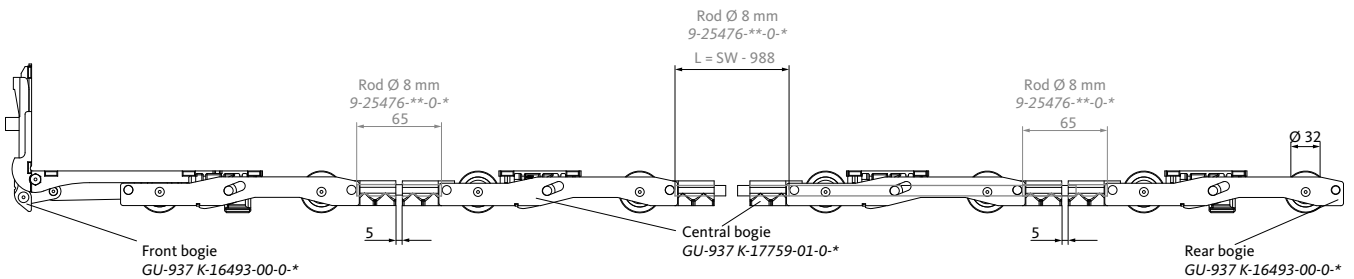


Fig.: L&S bogie GU-937 / L&S tandem bogie GU-937

L&S bogie GU-934 / L&S tandem bogie GU-934

Designation	Application range [kg]	Contents	PU [1]	Order no.	
				ferGUard	faceGUard
L&S bogie GU-934	max. 350	1 x front bogie 1 x rear bogie	1	K-16488-00-0-1	K-16488-00-0-18
L&S tandem bogie GU-934 [2]	max. 400	2 x central bogies	1	K-17804-01-0-1	K-17804-01-0-18

[1] One PU is required for each sliding sash.

[2] The L&S tandem bogies GU-934 must be used in combination with the corresponding L&S bogies GU-934.

L&S bogie GU-937 / L&S tandem bogie GU-937

Designation	Application range [kg]	Contents	PU [1]	Order no.	
				ferGUard	faceGUard
L&S bogie GU-937	max. 200	1 x front bogie 1 x rear bogie	1	K-16493-00-0-1	K-16493-00-0-18
L&S tandem bogie GU-937 [2]	max. 400	2 x central bogies	1	K-17759-01-0-1	K-17759-01-0-18

[1] One PU is required for each sliding sash.

[2] The L&S tandem bogies GU-937 must be used in combination with the corresponding L&S bogies GU-937.

L&S bogie GU-937 N22 / L&S tandem bogie GU-937 N22

Bogie groove width 22 mm

Designation	Application range [kg]	Contents	PU [1]	Order no.	
				ferGUard	faceGUard
L&S bogie GU-937 N22	max. 200	1 x front bogie 1 x rear bogie	1	K-20207-01-0-1	–
L&S tandem bogie GU-937 N22 [2]	max. 400	2 x central bogies	1	K-17759-03-0-1	–

[1] One PU is required for each sliding sash.

[2] The L&S tandem bogies GU-937 N22 must be used in combination with the corresponding L&S bogies GU-937 N22.

Rod

The rods between the bogies are not included in the scope of delivery and must be fabricated separately from the Ø 8 mm rod. For the respective lengths, refer to the adjacent figures.

Rod Ø 8 mm

Designation	Length [mm]	PU	Order no.	
			ferGUard	faceGUard
Rod Ø 8 mm	1100	1	9-25476-11-0-1	9-25476-11-0-18
	1350	1	9-25476-14-0-1	9-25476-14-0-18
	1850	1	9-25476-18-0-1	9-25476-18-0-18
	2800	1	9-25476-28-0-1	9-25476-28-0-18
	3300	1	9-25476-33-0-1	9-25476-33-0-18
	6000	1	9-25476-60-0-1	9-25476-60-0-18

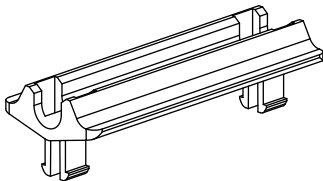
L&S bogie support, adapter VT

for L&S bogies GU-934 / GU-937 / GU-937 N22

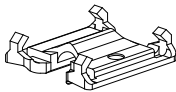


L&S bogie support

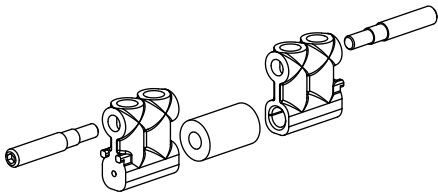
The L&S bogie supports can be used to ensure there is no load whatsoever on the rollers of the bogies when the sliding sash is lowered and its total weight is transmitted to the threshold via the roller track. Recommended for sliding sashes that are used infrequently.



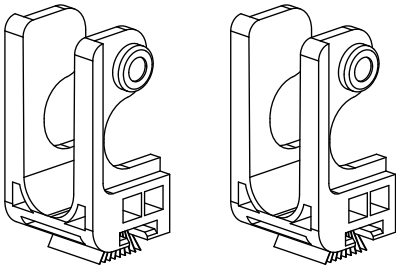
L&S bogie support GU-934 for roller track 'R 2.5'		
Designation	PU	Order no.
L&S bogie support GU-934	1	K-17455-03-0-0
Contains: 2 x bogie support R 2.5		



L&S bogie support GU-937 / GU-937 N22 for roller track 'R 2.5'		
Designation	PU	Order no.
L&S bogie support GU-937 / GU-937 N22	1	9-52084-01-0-6

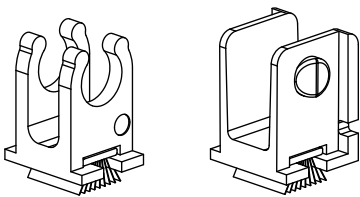


Adapter VT GU-934 for L&S bogie GU-934 with deep rod			
Designation	Finish	PU	Order no.
Adapter VT GU-934	ferGUard	1	K-19940-00-0-1
	faceGUard	1	K-19940-00-0-18
Contains: 2 x adapter VT, accessory			



HS CleanUnit GU-934

Designation	PU	Order no.
HS CleanUnit GU-934	1	K-19567-00-0-1
Contains: 2 x cleaning brush		

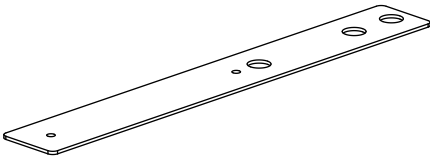


HS CleanUnit GU-937

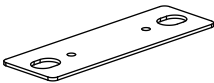
Designation	PU	Order no.
HS CleanUnit GU-937	1	K-19566-00-0-1
Contains: 2 x cleaning brush		

Horizontal packers

for L&S bogies GU-934 / GU-937



Packer for L&S bogie GU-934, front

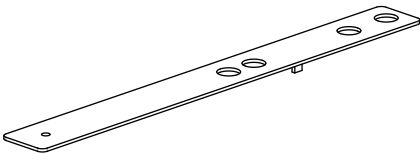


Packer for L&S bogie GU-934, rear

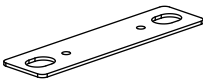
Horizontal packers

for L&S bogies GU-934

Versions/order numbers				
Designation	Thickness [mm]	PU	Order no.	
			L&S front bogie	L&S rear bogie
Horizontal packers for L&S bogies GU-934	1.0	1	9-41680-01-0-1	9-41681-01-0-1
	1.5	1	9-41680-17-0-1	9-41681-17-0-1
	2.0	1	9-41680-02-0-1	9-41681-02-0-1
	3.0	1	9-41680-20-0-1	9-41681-20-0-1
	4.0	1	9-41680-14-0-1	9-41681-14-0-1
	5.0	1	9-41680-05-0-1	9-41681-05-0-1
	6.0	1	9-41680-16-0-1	9-41681-06-0-1



Packer for L&S bogie GU-937, front

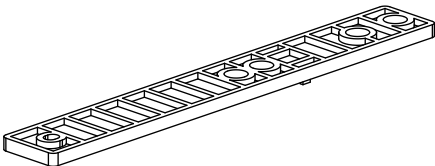


Packer for L&S bogie GU-937, rear

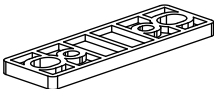
Horizontal packers

for L&S bogies GU-937

Versions/order numbers				
Designation	Thickness [mm]	PU	Order no.	
			L&S front bogie	L&S rear bogie
Horizontal packers for L&S bogies GU-937	1.0	1	9-41680-11-0-1	9-41681-11-0-1
	1.5	1	9-41680-17-0-1	9-41681-17-0-1
	4.0	1	9-41680-14-0-1	9-41681-14-0-1
	6.0	1	9-41680-16-0-1	9-41681-06-0-1
	8.6	1	9-41680-18-0-1	9-41681-18-0-1



Adapters for horizontal packer L&S front bogie



Adapters for horizontal packer L&S rear bogie

Adapters for horizontal packers

for exchanging L&S bogies GU-934 with GU-937

Versions/order numbers				
Designation	Thickness [mm]	PU	Order no.	
			L&S front bogie	L&S rear bogie
Adapters for horizontal packers	4.0	1	9-41680-14-0-1	9-41681-14-0-1
	6.0	1	9-41680-16-0-1	9-41681-06-0-1



Vertical packers

for L&S bogies GU-934 / GU-937

Versions/order numbers			
Designation	Height [mm]	PU	Order no.
			L&S front bogie
Vertical packers for L&S bogies GU-934 / GU-937	8.5	1	9-43818-02-0-1
	11.0	1	9-43818-04-0-1
	12.0	1	9-47295-23-0-1
	13.0	1	9-47295-01-0-1
	14.0	1	9-47295-02-0-1
	16.0	1	9-47295-04-0-1
	18.5	1	9-47295-06-0-1
	19.0	1	9-47295-07-0-1
	20.0	1	9-47295-08-0-1
	21.0	1	9-47295-09-0-1
	22.0	1	9-47295-10-0-1
	23.0	1	9-47295-11-0-1
	24.5	1	9-47295-12-0-1
	27.0	1	9-47295-13-0-1
	30.0	1	9-47295-16-0-1
	31.0	1	9-47295-17-0-1
	32.0	1	9-47295-18-0-1
	35.0	1	9-47295-20-0-1

Lift&Slide gears

for use with profile cylinders and round cylinders



Lift&Slide gears

The specifications for the sash height and the handle height are general and may deviate minimally depending on the used roller track and profile system.

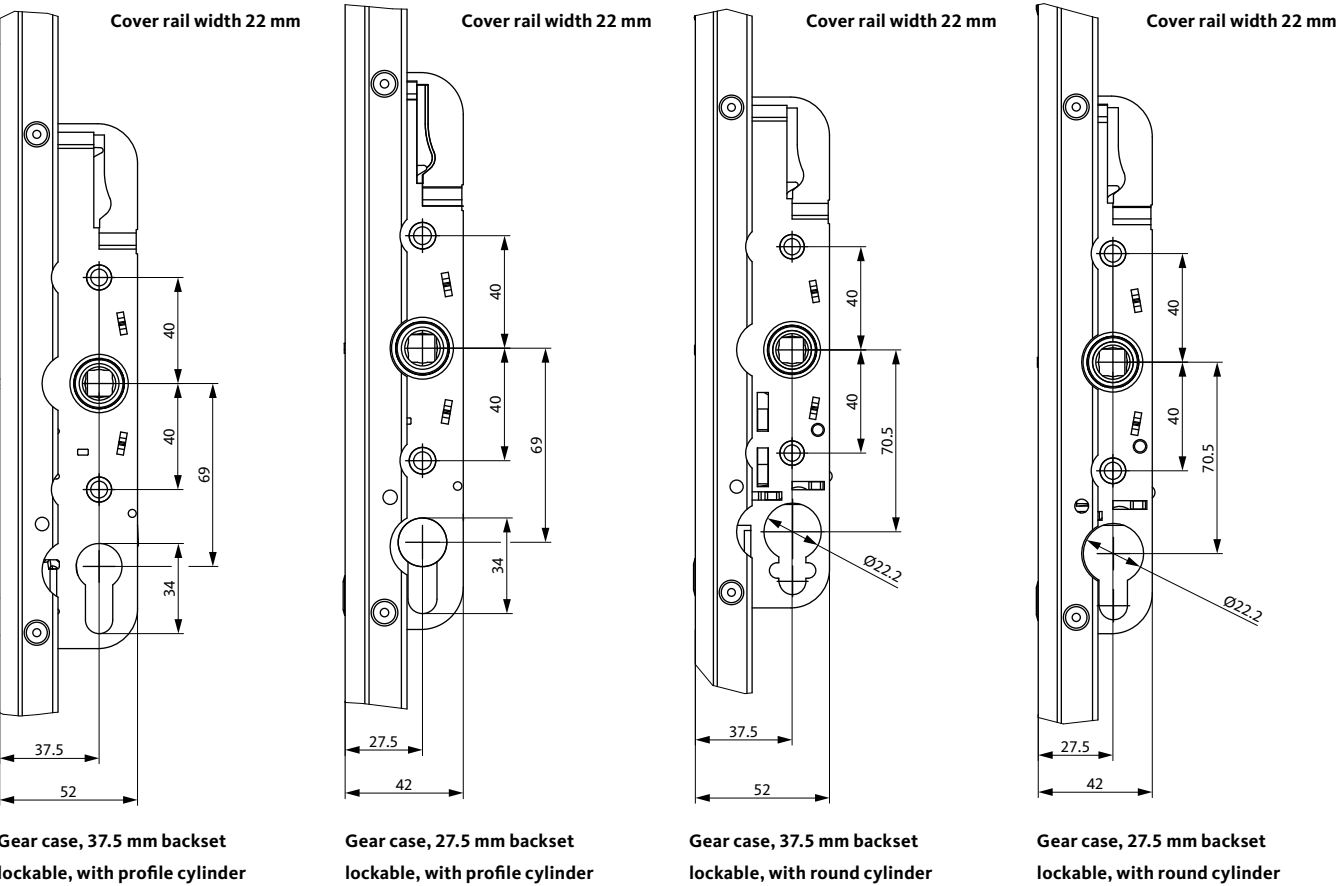
The system-related dimensions can be found in the profile system drawings.

Special size in the case of a non-standard handle height and gear length:

The gear size -98- specified in the following tables is a special size that is fabricated with the handle height at the customer's request. The application range depends on the basic size of the drive-gear that is used for the fabrication (sizes 19 to 44).

Please request prices and delivery times in individual cases.

Installation drawing 0-44186





Lift&Slide gear – 37.5 mm backset – lockable, with profile cylinder

Designation	SH [1] [mm]	Handle height [1] [mm]	Quantity of locks	Cover rail finish		Lock case finish		PU	Order no.
				EV 1 anodised	UC 5 anodised	ferGUard	faceGUard		
Lift&Slide gear 37.5 mm backset Lockable, with profile cylinder (PC)	840 – 1260	400	1 + 1 optional	■		■		1	6-30021-11-0-1
					■	■		1	6-30021-11-0-5
	1260 – 1840	400	2	■		■		1	6-30021-19-0-1
					■	■		1	6-30021-19-0-5
	1620 – 2340	1000	2 + 1 optional	■		■		1	6-30021-44-0-1
					■	■		1	6-30021-44-0-5
				■			■	1	6-30021-44-0-18
	1840 – 2340	840	2	■		■		1	6-30021-20-0-1
					■	■		1	6-30021-20-0-5
	1840 – 2340	1000	2 + 1 optional	■		■		1	6-30021-24-0-1
					■	■		1	6-30021-24-0-5
				■			■	1	6-30021-24-0-18
	2340 – 2740	1000	2 + 1 optional	■		■		1	6-30021-28-0-1
					■	■		1	6-30021-28-0-5
				■			■	1	6-30021-28-0-18
	– 2740	min. 400	2 + 1 optional	■		■		1	6-30021-98-0-1

[1] Dimension specifications for use of the 4 mm roller track. When using the 10 and/or 15 mm roller tracks, the dimension specifications increase by 5 or 10 mm respectively.

Lift&Slide gear – 27.5 mm backset – lockable, with profile cylinder

Designation	SH [1] [mm]	Handle height [1] [mm]	Quantity of locks	Cover rail finish		Lock case finish		PU	Order no.
				EV 1 anodised	UC 5 anodised	ferGUard	faceGUard		
Lift&Slide gear 27.5 mm backset Lockable, with profile cylinder (PC)	840 – 1260	400	1 + 1 optional	■		■		1	6-30019-11-0-1
					■	■		1	6-30019-11-0-5
	1260 – 1840	400	2	■		■		1	6-30019-19-0-1
					■	■		1	6-30019-19-0-5
				■			■	1	6-30019-19-0-18
	1620 – 2340	1000	2 + 1 optional	■		■		1	6-30019-44-0-1
					■	■		1	6-30019-44-0-5
	1840 – 2120	700	2 + 1 optional	■		■		1	6-30019-40-0-1
	1840 – 2340	840	2	■		■		1	6-30019-20-0-1
				■		■		1	6-30019-24-0-1
	1840 – 2340	1000	2 + 1 optional		■	■		1	6-30019-24-0-5
				■			■	1	6-30019-24-0-18
				■		■		1	6-30019-28-0-1
	2340 – 2740	1000	2 + 1 optional		■	■		1	6-30019-28-0-5
				■			■	1	6-30019-28-0-18
	– 2740	min. 400	2 + 1 optional	■		■		1	6-30019-98-0-1

[1] Dimension specifications for use of the 4 mm roller track. When using the 10 and/or 15 mm roller tracks, the dimension specifications increase by 5 or 10 mm respectively.

Lift&Slide gears

for use with round cylinders – 37.5 mm and 27.5 mm backset



Lift&Slide gear – 37.5 mm backset – lockable, with round cylinder

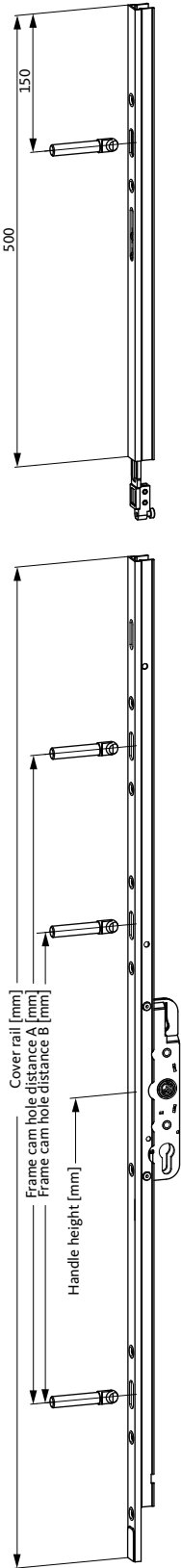
Designation	SH [1] [mm]	Handle height [1] [mm]	Quantity of locks	Cover rail finish		Lock case finish	PU	Order no.
				EV 1 anodised	UC 5 anodised	ferGUard		
Lift&Slide gear 37.5 mm backset	840 – 1260	400	1 + 1 optional	■		■	1	6-31020-11-0-1
	1260 – 1840	400	2	■		■	1	6-31020-19-0-1
	1620 – 2340	1000	2 + 1 optional	■		■	1	6-31020-44-0-1
Lockable, with round cylinder (CH-RC)	1840 – 2340	1000	2 + 1 optional	■		■	1	6-31020-24-0-1
					■	■	1	6-31020-24-0-5
	2340 – 2740	1000	2 + 1 optional	■		■	1	6-31020-28-0-1

[1] Dimension specifications for use of the 4 mm roller track. When using the 10 and/or 15 mm roller tracks, the dimension specifications increase by 5 or 10 mm respectively.

Lift&Slide gear – 27.5 mm backset – lockable, with round cylinder

Designation	SH [1] [mm]	Handle height [1] [mm]	Quantity of locks	Cover rail finish		Lock case finish	PU	Order no.
				EV 1 anodised		ferGUard		
Lift&Slide gear 27.5 mm backset	840 – 1260	400	1 + 1 optional	■		■	1	6-31021-11-0-1
	1260 – 1840	400	2	■		■	1	6-31021-19-0-1
Lockable, with round cylinder (CH-RC)	1840 – 2340	1000	2 + 1 optional	■		■	1	6-31021-24-0-1
	2340 – 2740	1000	2 + 1 optional	■		■	1	6-31021-28-0-1

[1] Dimension specifications for use of the 4 mm roller track. When using the 10 and/or 15 mm roller tracks, the dimension specifications increase by 5 or 10 mm respectively.



Gear extensions and cover-rail extensions

The gear and cover-rail extensions have a length of 500 mm and can be attached to any Lift&Slide gear. The extension is cropped to the necessary sash dimension on the Lift&Slide gear.

The gear extension features an additional locking point.

Position of the locking point: 150 mm below the top edge of the cover rail. See depiction "Gear extensions and cover-rail extensions".

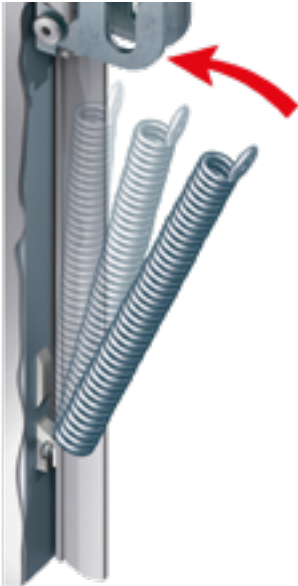
If necessary, the gear extensions can be coupled. Sash heights greater than 3250 mm require a technical test and special approval from Gretsch-Unitas.

Versions/order numbers								
Designation	Application range [kg]	Quantity of locks	Finish				PU	Order no.
			Cover rail		Connecting rod			
			EV 1	UC 5	ferGUard	faceGUard		
GU-934 / GU-937 gear extension	max. 400	1	■	–	■	–	1	6-32030-00-0-1
			–	■	■	–	1	6-32030-00-0-5
			■	–	–	■	1	6-32030-00-0-18
GU-934 / GU-937 cover-rail extension	max. 400	–	■	–	–	–	1	9-28483-05-0-1
			–	■	–	–	1	9-28483-05-0-5

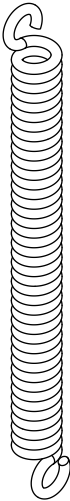
Fig.: Gear and cover-rail extensions

Tension spring

for Lift&Slide gears



Installation drawing 0-46862



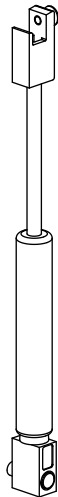
Tension spring for Lift&Slide gears

To reduce the operating force of sashes weighing over 200 kg.

Thanks to the use of tension springs in Lift&Slide gears, the operational force at the turn handle is significantly reduced for the user, greatly increasing operating convenience. This makes the Lift&Slide door easy to operate, especially with high sash weights up to 400 kg.

The tension spring can be retrofitted quickly and easily in every standard Lift&Slide gear.

Versions/order numbers			
Designation	SW [kg]	PU	Order no.
Tension spring	from 200	1	9-40235-05-0-0



L&S handle damper for Lift&Slide gears

For even safer operation of sashes weighing more than 100 kg.

The L&S handle damper in Lift&Slide gears ensures controlled lowering of the sliding sash and prevents the turn handle from recoiling.

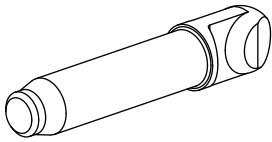
The L&S handle damper can also be retrofitted quickly and easily in every standard gear.

Versions/order numbers

Designation	SW [kg]	PU	Order no.
L&S handle damper	from 100	1	K-19053-00-0-6

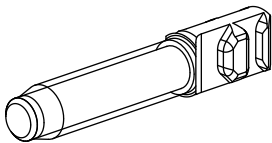
Contains: 1 x handle damper, accessory

Installation drawing 0-46862



For all standard applications, with locking on the door frame

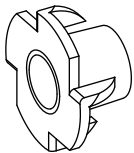
Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
Frame cam 1	55	ferGUard	1	9-26072-55-0-1
	62	ferGUard	1	9-26072-62-0-1
	71	ferGUard	1	9-26072-00-0-1
		faceGUard	1	9-26072-00-0-18



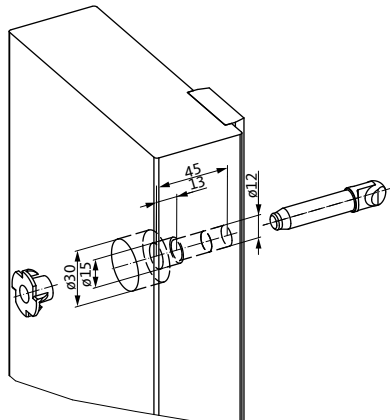
For an additional night ventilation position, with locking on the door frame

Note: we recommend using in combination with the bottom keepers K-12057-00-0-1 and 9-47330-00-0-8 to provide the sliding sash with an additional locking point on the roller track.

Versions/order numbers			
Designation	Length [mm]	PU	Order no.
Frame cam 1/S	73.5	1	9-29228-00-0-1

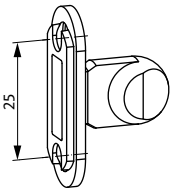


The specified installation drawing represents the documentation status up to May 2021. Please use the documentation 0-49408 (P 1786 / P 2301) and 0-48888 (P 1850). You can find more detailed information on page 10 / 11.



Additional securing of the frame cams
1 and 1/S to increase the pull-out
resistance

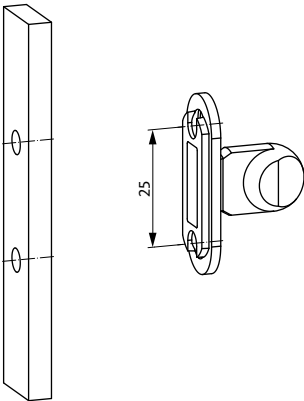
Versions/order numbers		
Designation	PU	Order no.
Drive-in nut	1	9-39113-00-R-1



Frame cam 2/14

For locking the active sash to the passive sash, in patterns C, F, L

Versions/order numbers			
Designation	Finish	PU	Order no.
Frame cam 2/14 Pattern C	stainless steel	1	9-30332-00-0-8

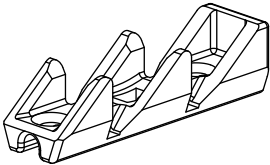


Set of locking cams 2/14 RC2

For locking the active sash to the passive sash, in patterns C, F, L

Versions/order numbers			
Designation	Finish	PU	Order no.
Frame cam 2/14 set Pattern C – RC2	ferGUard	1	K-15727-00-0-1
	faceGUard	1	K-15727-00-0-18
Contains: 3 x frame cam, 3 x counter plate, fixing screws			

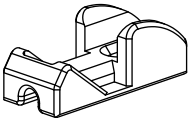
Bottom keepers



L&S bottom keeper

- For additional securing of the night ventilation position; in combination with the frame cam 1/S
- With 2 bolt positions
- Required with pattern G1 and H

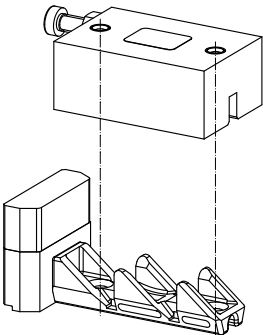
Versions/order numbers			
Designation	Finish	PU	Order no.
L&S bottom keeper	stainless steel	1	K-12057-00-0-1
Contains: 1 x bottom keeper, fixing screws			



Bottom keeper

- For additional securing of the night ventilation position; in combination with the frame cam 1/S
- Optionally for the locked position of the passive sash in Lift&Slide elements according to patterns C, F, L
- With 1 bolt position

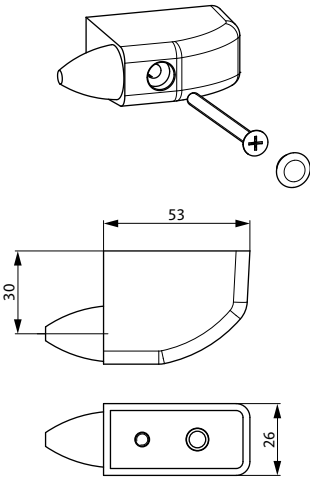
Versions/order numbers			
Designation	Material	PU	Order no.
Bottom keeper	stainless steel	1	9-47330-00-0-8



Drilling jig for the installation of the bottom keepers

Non-handed

Versions/order numbers			
Designation	Application	PU	Order no.
Drilling jig for the installation of the bottom keepers	Hardware installation	1	6-34129-00-0-0



Buffer S

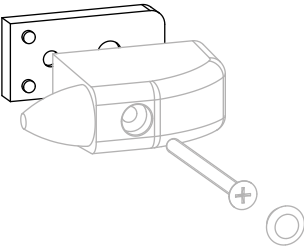
The buffer S is recommended for safe braking of the sliding sash in the opening direction and when using turn handles on both sides. It is positioned so that the sliding sash with the exterior handle cannot bump into the fixed-glazed sash. This prevents damage to the handle and the element. The buffer S brakes the sash in a particularly gentle way.

■ Required with patterns D, F, H

Versions/order numbers

Designation	Finish	PU	Order no.
Buffer S	black	1	K-19035-00-0-6
	white	1	K-19035-00-0-7
	cream white	1	K-19035-00-0-7Z

Contains: 1 x buffer, 1 x cover cap, fixing screws

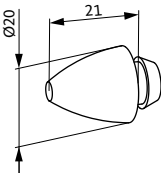


Packers

for buffer S

Versions/order numbers

Designation	Height [mm]	Finish	PU	Order no.
Packers for buffer S	8.0	black	1	9-30294-01-0-6
		white	1	9-30294-01-0-7
		cream white	1	9-30294-01-0-7Z
	4.0	black	1	9-30294-02-0-6
		white	1	9-30294-02-0-7
		cream white	1	9-30294-02-0-7Z



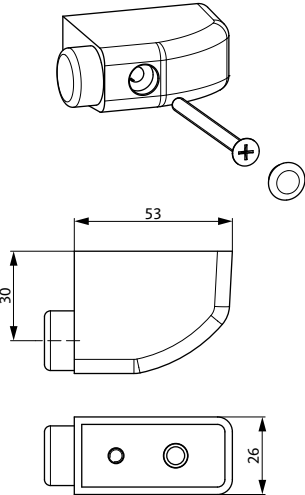
Rubber buffer

for stopping the sash safely at the door frame,
in order to prevent damage to the element and the frame

Versions/order numbers

Designation	Finish	PU	Order no.
Rubber buffer	light grey	1	9-48849-00-0-1
	black	1	9-48849-00-0-6

Buffers

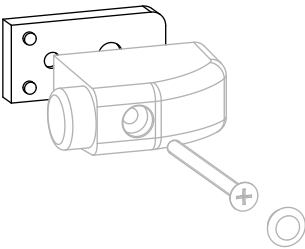


L&S buffer 90

The L&S buffer 90 is recommended for safe braking of the sliding sash in the opening direction and when using turn handles on both sides. It is positioned so that the sliding sash with the exterior handle cannot bump into the fixed-glazed sash. This prevents damage to the handle and the element.

■ Required with patterns D, F, H

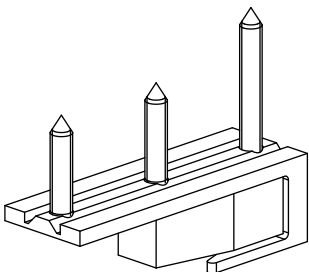
Versions/order numbers			
Designation	Finish	PU	Order no.
L&S buffer 90	black	1	K-12024-00-0-6
	white	1	K-12024-00-0-7
	cream white	1	K-12024-00-0-7Z
Contains: 1 x buffer, 1 x cover cap, fixing screws			



Packers

for L&S buffer 90

Versions/order numbers				
Designation	Height [mm]	Finish	PU	Order no.
Packers for L&S buffer 90	8.0	black	1	9-30294-01-0-6
		white	1	9-30294-01-0-7
		cream white	1	9-30294-01-0-7Z
	4.0	black	1	9-30294-02-0-6
		white	1	9-30294-02-0-7
		cream white	1	9-30294-02-0-7Z



L&S damper P 1850

For fully concealed installation in the frame profile of the P 1850 guide track.
With the L&S damper, it is possible to stop the sash in any position.
This is particularly useful in asymmetrically divided elements.

Use with sash weights:

- up to 150 kg with standard bogie
- 151–350 kg with standard bogie/tandem bogie front
- 351–400 kg with standard bogie/tandem bogie front and rear

Versions/order numbers

Designation	PU	Order no.
L&S damper P 1850	1	K-19027-00-0-0
Contains: 1 x damping unit, 1 x damping unit housing, fixing screws		

L&S lowering safeguard



L&S lowering safeguard

The L&S lowering safeguard is recommended when the sliding sash of the element is very light (under 80 kg) which means that its own weight is not sufficient to lower and lock 100 % reliably and ensure sufficient contact pressure with the horizontal gaskets.

Versions/order numbers		
Designation	PU	Order no.
L&S lowering safeguard	1	K-16621-00-0-1
Contains: 1 x slider, 1 x reverser, 1 x pressure part, 1 x rod, 1 x rivet bolt		

Installation drawing 0-44281



Application ranges

- Lift&Slide systems of timber and timber/aluminium
- Sash distance 28 mm or 31 mm
- Pattern A and C
- Vertical installation
- Vertical and horizontal installation
- The installation drawing 0-49032 must be followed

Order samples

Pattern A | Sash distance 28 mm | Sash height 2350 mm

Vertical installation

1x L&S meeting stile sealing strip	K-20223-24-0-1
1x L&S meeting stile sealing strip accessories	K-20225-00-0-1
1x L&S meeting stile sealing strip seal	K-20224-00-0-1

Pattern A | Sash distance 28 mm | Sash height 2350 mm | Sash width 3000 mm

Vertical and horizontal installation

1x L&S meeting stile sealing strip	K-20223-24-0-1
1x L&S meeting stile sealing strip accessories	K-20225-00-0-1
1x L&S meeting stile sealing strip seal	K-20224-00-0-1
1x L&S meeting stile sealing strip	K-20223-33-0-1
1x L&S meeting stile sealing strip accessories V	K-20296-00-0-1
1x L&S meeting stile sealing strip seal	K-20224-00-0-1

Additionally required: for 31 mm sash distance

Vertical installation

Vertical and horizontal installation

1x L&S packer for meeting stile strip	P-02243-**-0-1
1x roller track, off-centre, 5 mm height	P-02107-**-0-1 or
1x roller track, off-centre, 15 mm height	P-02047-**-0-1 or
1x roller track, off-centre, floor-flush	P-02211-**-0-1

L&S meeting stile sealing strip



Hardware requirements

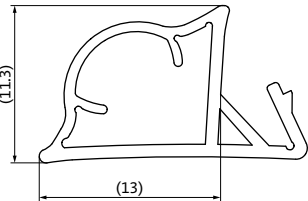
for vertical and/or horizontal installation

L&S meeting stile sealing strip					
Pattern		Designation	Length [mm]	PU	Order no.
A	C				
1	2	L&S meeting stile sealing strip 28W	500	1	K-20223-05-0-1
			2400	1	K-20223-24-0-1
			2900	1	K-20223-29-0-1
			3300	1	K-20223-33-0-1
Contains: 2 x meeting stile gaskets, 2 x meeting stile strips, 2 x cover profiles					
L&S meeting stile sealing strip accessories					
Pattern		Designation		PU	Order no.
A	C				
1	2	L&S meeting stile sealing strip accessories		1	K-20225-00-0-1
Contains: 2 x cover caps, fixing screws					
L&S meeting stile sealing strip seal					
Pattern		Designation	Length [mm]	PU	Order no.
A	C				
1	2	L&S meeting stile sealing strip seal	3300	1	K-20224-00-0-1
Contains: 2 x brush seals					
L&S meeting stile sealing strip accessories V Pattern C					
Pattern		Designation		PU	Order no.
A	C				
-	1	L&S meeting stile sealing strip accessories V, pattern C		1	K-20226-00-0-1
Contains: 2 x joint, 2 x gasket, fixing screw					

Additional hardware requirements

for horizontal installation

L&S meeting stile sealing strip accessories V					
Pattern		Designation		PU	Order no.
A	C				
1	1	L&S meeting stile sealing strip accessories V		1	K-20296-00-0-1
Contains: 1 x joint, 1 x rubber gasket, fixing screw					



L&S meeting stile gasket

for sealing at vertical meeting stile

Required: 2 pcs; length = sash height

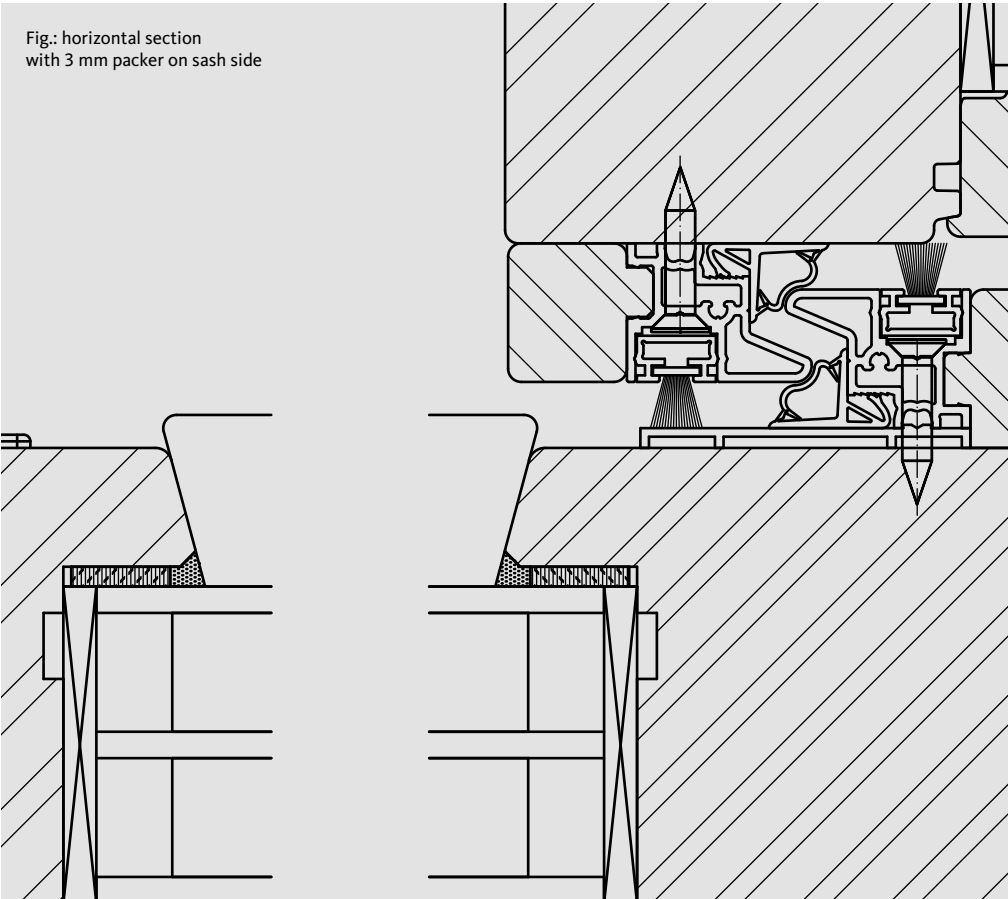
L&S meeting stile gasket				
Designation	Length [m]	Finish	PU	Order no.
L&S meeting stile gasket	100	black	1	H-01633-00-0-6



Additional hardware requirements
for 31 mm sash distance

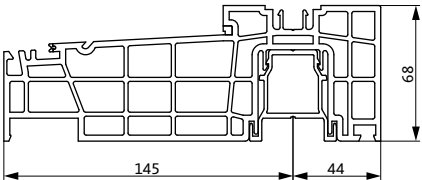
L&S packer for meeting stile strip							
Pattern		Designation	Thickness [mm]	Length [mm]	Finish	PU	Order no.
A	C						
1	2	L&S packer for meeting stile strip	3	2400	EV 1 / light grey	1	P-02243-24-0-1
				2900	EV 1 / light grey	1	P-02243-29-0-1

Roller track, off-centre							
Pattern		Designation	Height [mm]	Length [mm]	Finish	PU	Order no.
A	C						
1	1	Roller track, off-centre Offset 2,8 mm	5	4000	EV 1 / light grey	1	P-02107-40-0-1
				6700	EV 1 / light grey	1	P-02107-67-0-1
			15	3000	EV 1 / light grey	1	P-02047-30-0-1
				4000	EV 1 / light grey	1	P-02047-40-0-1
				5000	EV 1 / light grey	1	P-02047-50-0-1
				6700	EV 1 / light grey	1	P-02047-67-0-1
			bb	3000	EV 1 / light grey	1	P-02211-30-0-1
				4000	EV 1 / light grey	1	P-02211-40-0-1
				6700	EV 1 / light grey	1	P-02211-67-0-1



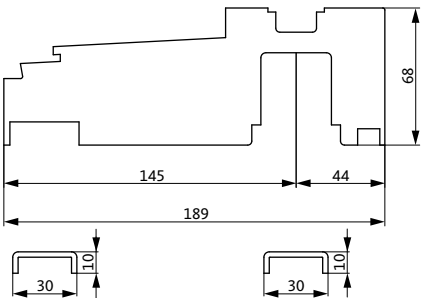
GU-thermostep 204 threshold

Base profile, coupling part



GU-thermostep 204 base profile

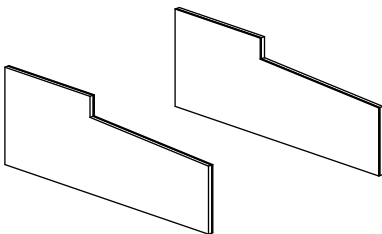
Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
GU-thermostep 204 base profile	3000	EV 1 / light grey	1	6-36035-30-0-1
	3500	EV 1 / light grey	1	6-36035-35-0-1
	4000	EV 1 / light grey	1	6-36035-40-0-1
	4500	EV 1 / light grey	1	6-36035-45-0-1
	5000	EV 1 / light grey	1	6-36035-50-0-1
	6700	EV 1 / light grey	1	6-36035-67-0-1



L&S coupling part for GU-thermostep 204

from total frame width 6701 mm

Versions/order numbers		
Designation	PU	Order no.
L&S coupling part for GU-thermostep 204	1	K-18751-00-0-1
Contains: 2 x coupling part, 1 x gasket plate, accessories		

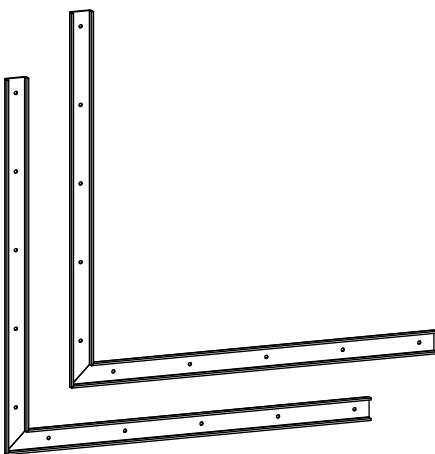


L&S end cover for GU-thermostep 204

Versions/order numbers

Designation	ST [mm]	Finish	PU	Order no.
L&S end cover for GU-thermostep 204	78	EV 1 / light grey	1	K-18901-48-0-1
	88, 90, 92	EV 1 / light grey	1	K-18901-33-0-1
	110	EV 1 / light grey	1	K-18901-06-0-1

Contains: 1 x end cover left (incl. gasket plate), 1 x end cover right (incl. gasket plate)



L&S threshold connector 90°

for 90° corner connection of the threshold

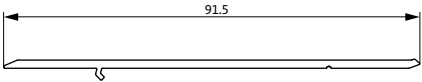
Versions/order numbers

Designation	Finish	PU	Order no.
L&S threshold connector 90°	faceGUard	1	K-19998-00-0-18

Contains: 2 x threshold connector, 1 x gasket plate, 40 x window drilling screw

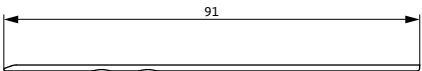
GU-thermostep 204 threshold

Tread thresholds



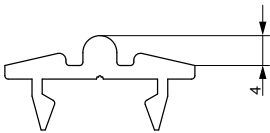
P 1950 tread threshold

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1950 tread threshold	78 to 110	15 [1]	EV 1 / light grey	1	P-01950-01-0-1
		1500	EV 1 / light grey	1	P-01950-15-0-1
		2000	EV 1 / light grey	1	P-01950-20-0-1
		2500	EV 1 / light grey	1	P-01950-25-0-1
		3300	EV 1 / light grey	1	P-01950-33-0-1
[1] With pattern D					



P 1721 tread threshold

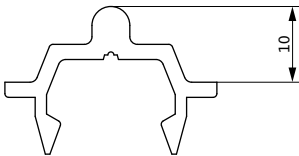
Versions/order numbers					
Designation	Pattern	Length [mm]	Finish	PU	Order no.
P 1721 tread threshold	E, L	4600	EV 1 / light grey	1	P-01721-46-0-1



P 2209 roller track bb

Versions/order numbers

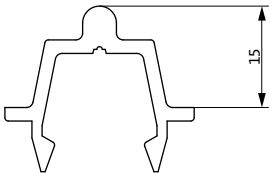
Designation	Length [mm]	Finish	PU	Order no.
P 2209 roller track bb	3000	EV 1 / light grey	1	P-02209-30-0-1
	4000	EV 1 / light grey	1	P-02209-40-0-1
	5000	EV 1 / light grey	1	P-02209-50-0-1
	6700	EV 1 / light grey	1	P-02209-67-0-1



P 1659 roller track 10

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1659 roller track 10	4500	EV 1 / light grey	1	9-39330-45-0-1
	6700	EV 1 / light grey	1	9-39330-67-0-1
		UC 5 / dark bronze	1	9-39330-67-0-5



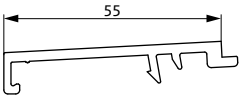
P 1635 roller track 15

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1635 roller track 15	3000	EV 1 / light grey	1	9-39311-30-0-1
	4000	EV 1 / light grey	1	9-39311-40-0-1
	5000	EV 1 / light grey	1	9-39311-50-0-1
	6700	EV 1 / light grey	1	9-39311-67-0-1
		UC 5 / dark bronze	1	9-39311-67-0-5

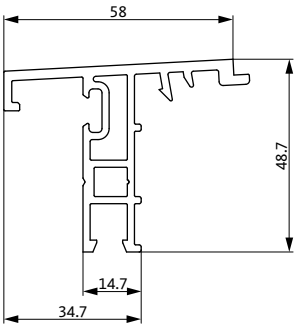
GU-thermostep 204 threshold

Drip rails



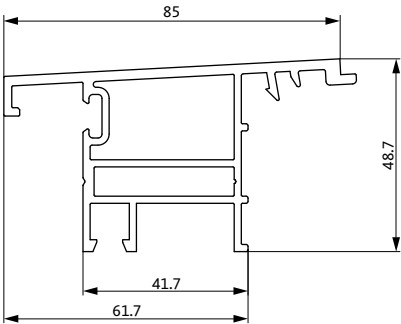
P 2151 drip rail

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 2151 drip rail	78	3000	EV 1 / light grey	1	P-02151-30-0-1
		4000	EV 1 / light grey	1	P-02151-40-0-1
		5000	EV 1 / light grey	1	P-02151-50-0-1
			UC 5 / dark bronze		P-02151-50-0-5
		6700	EV 1 / light grey	1	P-02151-67-0-1



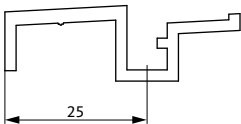
P 1927 drip rail 15

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1927 drip rail 15	88 to 92	3000	EV 1 / light grey	1	9-47293-30-0-1
		3500	EV 1 / light grey	1	9-47293-35-0-1
		4000	EV 1 / light grey	1	9-47293-40-0-1
		4500	EV 1 / light grey	1	9-47293-45-0-1
		5000	EV 1 / light grey	1	9-47293-50-0-1
		6700	EV 1 / light grey	1	9-47293-67-0-1



P 1959 drip rail 42

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1959 drip rail 42	110	3500	EV 1 / light grey	1	9-47709-35-0-1
		5000	EV 1 / light grey	1	9-47709-50-0-1
		6700	EV 1 / light grey	1	9-47709-67-0-1



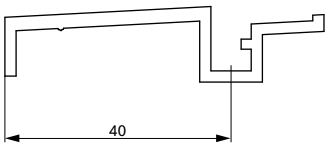
P 1051 extension 25

Length = 25 mm

Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1051 extension 25	–	6700	EV 1 / light grey	1	9-27968-67-0-1
			UC 5 / dark bronze	1	9-27968-67-0-5
P 859 gasket profile [1]	P 1051 extension 25	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1051 extension 25.



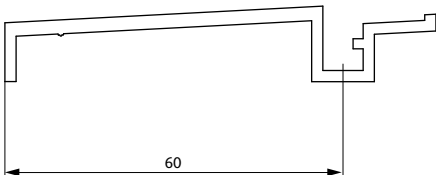
P 1840 extension 40

Length = 40 mm

Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1840 extension 40	–	6700	EV 1 / light grey	1	P-01840-67-0-1
P 859 gasket profile [1]	P 1840 extension 40	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1840 extension 40.



P 1918 extension 60

Length = 60 mm

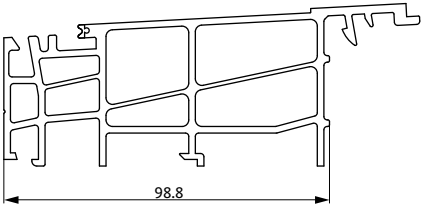
Versions/order numbers

Designation	For	Length [mm]	Finish	PU	Order no.
P 1918 extension 60	–	6700	EV 1 / light grey	1	P-01918-67-0-1
P 859 gasket profile [1]	P 1918 extension 60	–	black	1	W-751018

[1] Order 1 P 859 gasket profile for each P 1918 extension 60.

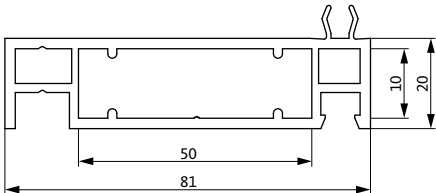
GU-thermostep 204 threshold

Extension profiles



P 1719 extension profile

Versions/order numbers				
Designation	For pattern	Length [mm]	PU	Order no.
P 1719 extension profile	E, L	6700	1	P-01719-67-0-1



P 1955 extension profile

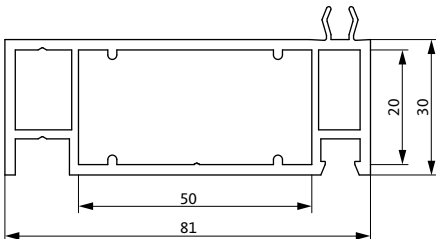
Installation height = 20 mm

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1955 extension profile [1][2]	6700	EV 1 / light grey	1	P-01955-67-0-1

[1] Order 2 extension profiles per threshold base profile.

[2] Use commercially available steel reinforcement: 50 x 10 mm



P 1956 extension profile

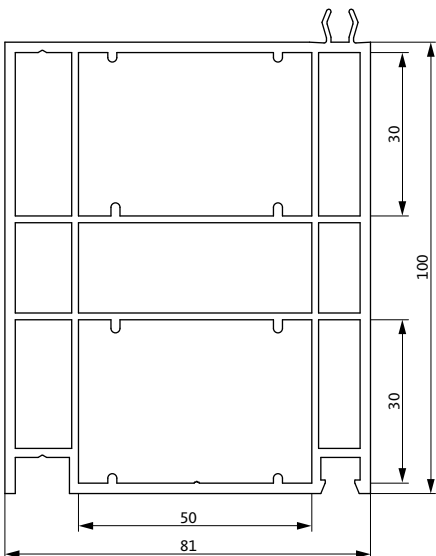
Installation height = 30 mm

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1956 extension profile [1][2]	6700	EV 1 / light grey	1	P-01956-67-0-1

[1] Order 2 extension profiles per threshold base profile.

[2] Use commercially available steel reinforcement: 50 x 20 mm



P 1957 extension profile

Installation height = 100 mm

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1957 extension profile [1][2]	6700	EV 1 / light grey	1	P-01957-67-0-1

[1] Order 2 extension profiles per threshold base profile.

[2] Use commercially available steel reinforcement: 2 pieces 50 x 30 mm

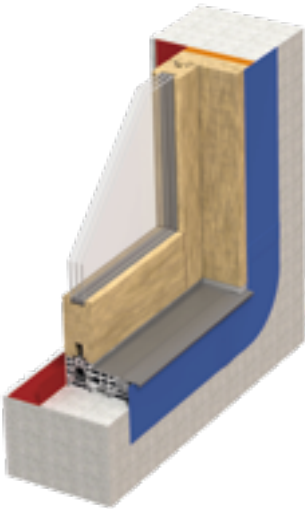
GU-thermostep 204 threshold

Wall anchor, structural sealing



Wall anchor

Versions/order numbers			
Designation	Length [mm]	PU	Order no.
Wall anchor [1]	260	1	9-48408-00-0-1
[1] Per m. of GU-thermostep 204 threshold, order 1 wall anchor.			

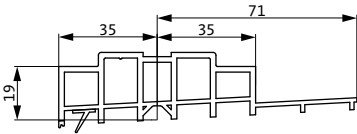


Structural sealing

Sealing of threshold at bottom horizontal

Versions/order numbers				
Designation		PU	Order no.	
GU installation set for L&S doors		1 pc	H-01525-00-0-0	
Contents		PU		
GU assembly corners		1 pair		
GU butyl external tape		7.5 m		
Designation		PU	Order no.	
GU assembly corners		10 pairs	H-01526-00-0-0	
GU installation butyl external tape, 200 mm		30 m	H-01527-00-0-0	
GU installation butyl external tape, 300 mm		50 m	H-01527-30-0-0	
Designation	Length [m]	Colour	PU	Order no.
Anti-moisture foil	50	black	1 pc	9-39737-25-0-6
Anti-moisture foil without illustration				

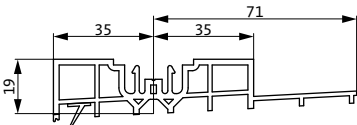
You can find more information about the subject of structural sealing from page 518 onwards.



P 1987 attachment track 19/71 Pattern A

Versions/order numbers

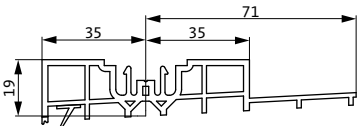
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1987 attachment track 19/71 Pattern A	78	2000	EV 1 / light grey	1	P-01987-20-0-1
		2500	EV 1 / light grey	1	P-01987-25-0-1
		3350	EV 1 / light grey	1	P-01987-33-0-1



P 1988 attachment track-1 19/71 Pattern D – fixed-glazed sash

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1988 attachment track-1 19/71 Pattern D – fixed-glazed sash	78	2000	EV 1 / light grey	1	P-01988-20-0-1
		2500	EV 1 / light grey	1	P-01988-25-0-1
		3350	EV 1 / light grey	1	P-01988-33-0-1



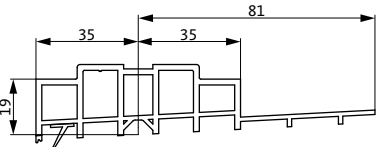
P 1988 attachment track-2 19/71 Pattern D – passage area

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1988 attachment track-2 19/71 Pattern D – passage area	78	2500	EV 1 / light grey	1	9-48285-25-0-1
		3350	EV 1 / light grey	1	9-48285-33-0-1

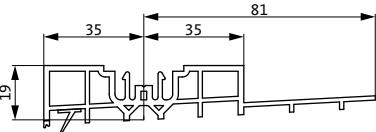
GU-thermostep 204 threshold

Attachment tracks for sash thickness 88 mm



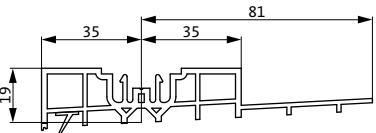
P 1993 attachment track 19/81
Pattern A

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1993 attachment track 19/81 Pattern A	88	2500	EV 1 / light grey	1	P-01993-25-0-1
		3300	EV 1 / light grey	1	P-01993-33-0-1



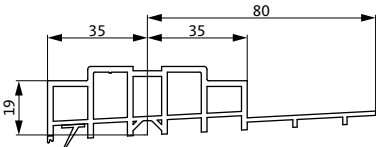
P 1994 attachment track-1 19/81
Pattern D – fixed-glazed sash

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1994 attachment track-1 19/81 Pattern D – fixed-glazed sash	88	2500	EV 1 / light grey	1	P-01994-25-0-1
		3350	EV 1 / light grey	1	P-01994-33-0-1



P 1994 attachment track-2 19/81
Pattern D – passage area

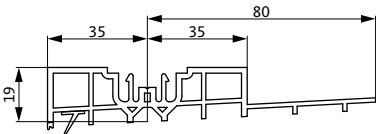
Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1994 attachment track-2 19/81 Pattern D – passage area	88	3350	EV 1 / light grey	1	9-48288-33-0-1



P 1991 attachment track 19/80 Pattern A

Versions/order numbers

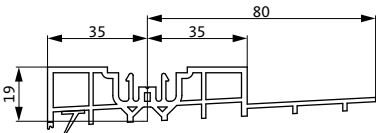
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1991 attachment track 19/80 Pattern A	90	2500	EV 1 / light grey	1	P-01991-25-0-1
		3350	EV 1 / light grey	1	P-01991-33-0-1



P 1992 attachment track-1 19/80 Pattern D – fixed-glazed sash

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1992 attachment track-1 19/80 Pattern D – fixed-glazed sash	90	2500	EV 1 / light grey	1	P-01992-25-0-1
		3350	EV 1 / light grey	1	P-01992-33-0-1



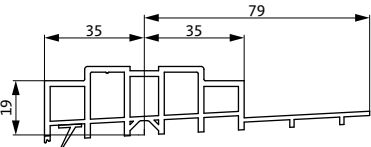
P 1992 attachment track-2 19/80 Pattern D – passage area

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1992 attachment track-2 19/80 Pattern D – passage area	90	2000	EV 1 / light grey	1	9-48287-20-0-1
		2500	EV 1 / light grey	1	9-48287-25-0-1
		3350	EV 1 / light grey	1	9-48287-33-0-1

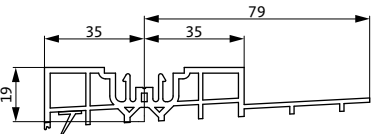
GU-thermostep 204 threshold

Attachment tracks for sash thickness 92 mm



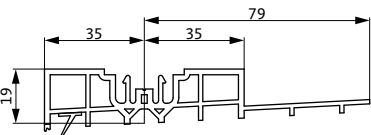
P 1989 attachment track 19/79
Pattern A

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1989 attachment track 19/79 Pattern A	92	2500	EV 1 / light grey	1	P-01989-25-0-1
		3350	EV 1 / light grey	1	P-01989-33-0-1



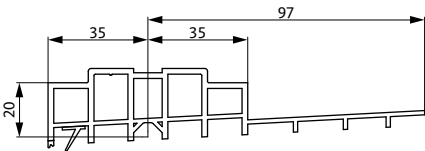
P 1990 attachment track-1 19/79
Pattern D – fixed-glazed sash

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1990 attachment track-1 19/79 Pattern D – fixed-glazed sash	92	2500	EV 1 / light grey	1	P-01990-25-0-1
		3350	EV 1 / light grey	1	P-01990-33-0-1



P 1990 attachment track-2 19/79
Pattern D – passage area

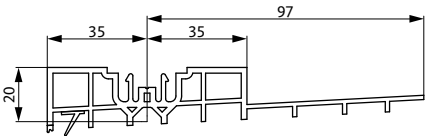
Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1990 attachment track-2 19/79 Pattern D – passage area	92	2500	EV 1 / light grey	1	9-48286-25-0-1
		3350	EV 1 / light grey	1	9-48286-33-0-1



P 1995 attachment track 20/97 Pattern A

Versions/order numbers

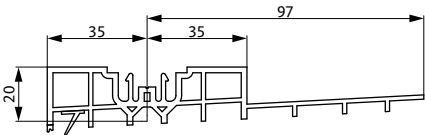
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1995 attachment track 20/97 Pattern A	110	2500	EV 1 / light grey	1	P-01995-25-0-1
		3350	EV 1 / light grey	1	P-01995-33-0-1



P 1996 attachment track-1 20/97 Pattern D – fixed-glazed sash

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1996 attachment track-1 20/97 Pattern D – fixed-glazed sash	110	2000	EV 1 / light grey	1	P-01996-20-0-1
		2500	EV 1 / light grey	1	P-01996-25-0-1
		3350	EV 1 / light grey	1	P-01996-33-0-1



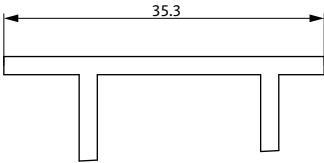
P 1996 attachment track-2 20/97 Pattern D – passage area

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1996 attachment track-2 20/97 Pattern D – passage area	110	2000	EV 1 / light grey	1	9-48290-20-0-1
		2500	EV 1 / light grey	1	9-48290-25-0-1
		3350	EV 1 / light grey	1	9-48290-33-0-1

GU-thermostep 204 threshold

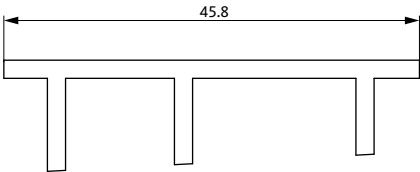
Intermediate profiles, comfort profile



P 2124 intermediate profile 35

- Patterns E and L

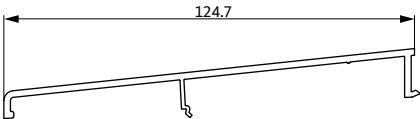
Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 2124 intermediate profile 35	6000	EV 1 / light grey	1	P-02124-60-0-1



P 2169 intermediate profile 46

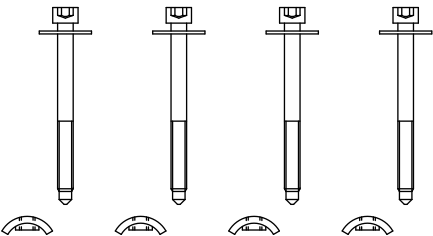
- Pattern G2

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 2169 intermediate profile 46	3500	EV 1 / light grey	1	P-02169-35-0-1



P 1951 comfort profile

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1951 comfort profile	3300	EV 1 / light grey	1	P-01951-33-0-1

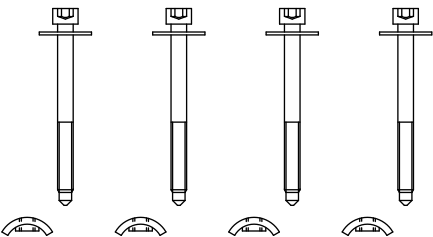


L&S corner connection parts, top – frame profile width 56 mm

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

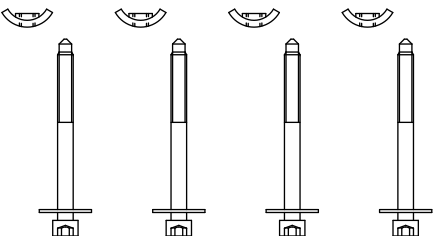


L&S corner connection parts, top – frame profile width 63 mm

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-20315-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		



L&S corner connection parts, bottom

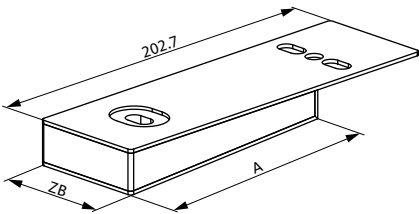
Threshold to door frame, vertical

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, bottom	1	K-17870-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

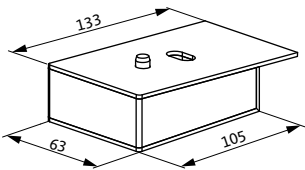
GU-thermostep 204 threshold

Corner connection parts



L&S corner connector

Versions/order numbers					
Designation	FW [mm]	ST [mm]	Dimension A [mm]	PU	Order no.
L&S corner connector	63	78	110	1	K-17914-03-0-1
		88, 90, 92	125	1	K-17914-01-0-1
		110	152	1	K-17914-05-0-1
	56	78	110	1	K-18493-03-0-1
		88, 90, 92	125	1	K-18493-01-0-1
		110	152	1	K-18493-05-0-1
Contains: 2 x corner connector, 2 x gasket plate					



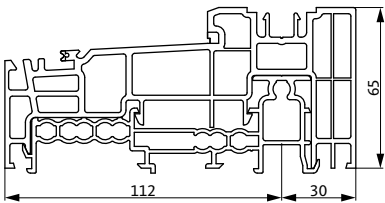
L&S corner connector extension

■ Patterns E and L

Versions/order numbers				
Designation	FW [mm]	ST [mm]	PU	Order no.
L&S corner connector extension	63	78	1	K-18313-02-0-1
Contains: 2 x corner connector				

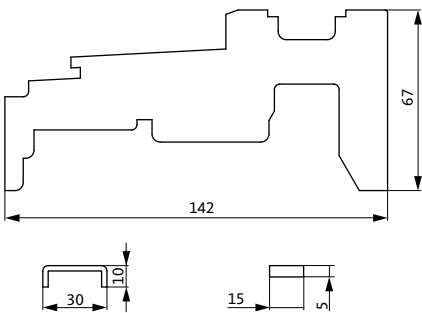
GU-thermostep 164 threshold

Base profile, coupling part



GU-thermostep 164 base profile

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
GU-thermostep 164 base profile	3000	EV 1 / light grey	1	6-29938-30-0-1
	3500	EV 1 / light grey	1	6-29938-35-0-1
	4000	EV 1 / light grey	1	6-29938-40-0-1
	4500	EV 1 / light grey	1	6-29938-45-0-1
	5000	EV 1 / light grey	1	6-29938-50-0-1
	6700	EV 1 / light grey	1	6-29938-67-0-1
		UC 5 / dark bronze	1	6-29938-67-0-5



L&S coupling part for GU-thermostep 164

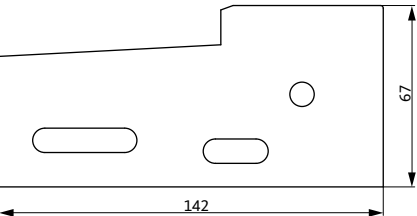
from total frame width 6701 mm

Versions/order numbers		
Designation	PU	Order no.
L&S coupling part for GU-thermostep 164	1	K-15432-00-0-1
Contains: 2 x coupling part, 1 x gasket plate, accessories		

Installation drawing 0-44204

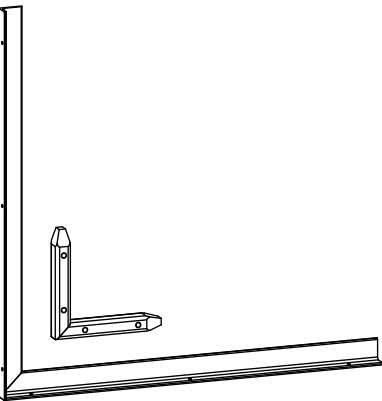
GU-thermostep 164 threshold

Gasket plate, threshold connector



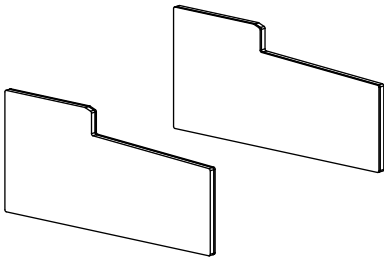
Gasket plate
for sealing the butt joint

Versions/order numbers			
Designation	Finish	PU	Order no.
Gasket plate	black	1	9-40034-00-0-6



L&S threshold connector 90°
for 90° corner connection of the threshold

Versions/order numbers			
Designation	Finish	PU	Order no.
L&S threshold connector 90°	faceGUard	1	K-18075-00-0-18
Contains: 2 x threshold connector, fixing screws			

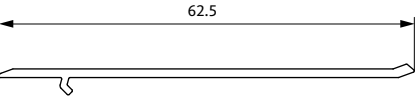


L&S end cover for GU-thermostep 164

Versions/order numbers			
Designation	Finish	PU	Order no.
L&S end cover for GU-thermostep with P 1842 drip rail 160	EV 1 / light grey	1	K-19145-01-0-1
L&S end cover for GU-thermostep P 1837 with drip rail 179	EV 1 / light grey	1	K-19145-02-0-1
L&S end cover for GU-thermostep 164 Base profile	EV 1 / light grey	1	K-19145-03-0-1
Contains: 1 x end cover left (incl. gasket plate), 1 x end cover right (incl. gasket plate)			

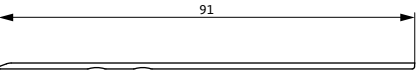
GU-thermostep 164 threshold

Tread thresholds



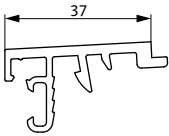
P 1642 tread threshold

Versions/order numbers					
Designation	Pattern	Length [mm]	Finish	PU	Order no.
P 1642 tread threshold	A, C, G1, G2, K	2000	EV 1 / light grey	1	9-39318-20-0-1
		2500	EV 1 / light grey	1	9-39318-25-0-1
			UC 5 / dark bronze	1	9-39318-25-0-5
		3350	EV 1 / light grey	1	9-39318-33-0-1
			UC 5 / dark bronze	1	9-39318-33-0-5



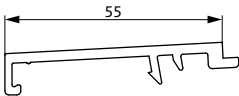
P 1721 tread threshold

Versions/order numbers					
Designation	Pattern	Length [mm]	Finish	PU	Order no.
P 1721 tread threshold	E, L	4600	EV 1 / light grey	1	P-01721-46-0-1



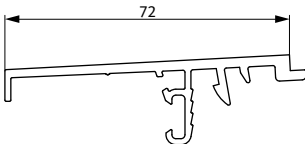
P 1640 drip rail 126 – sash distance 10 mm

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1640 drip rail 126	3000	EV 1 / light grey	1	9-39616-30-0-1
	5000	EV 1 / light grey	1	9-39616-50-0-1
	6700	EV 1 / light grey	1	9-39616-67-0-1



P 2151 drip rail – sash distance 28 mm

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 2151 drip rail	3000	EV 1 / light grey	1	P-02151-30-0-1
	4000	EV 1 / light grey	1	P-02151-40-0-1
	5000	EV 1 / light grey	1	P-02151-50-0-1
		UC 5 / dark bronze	1	P-02151-50-0-5
	6700	EV 1 / light grey	1	P-02151-67-0-1

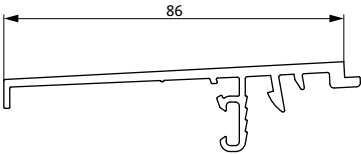


P 1667 drip rail 161

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1667 drip rail 161	3000	EV 1 / light grey	1	9-40182-30-0-1
	4000	EV 1 / light grey	1	9-40182-40-0-1
	5000	EV 1 / light grey	1	9-40182-50-0-1
		UC 5 / dark bronze	1	9-40182-50-0-5
	6700	EV 1 / light grey	1	9-40182-67-0-1

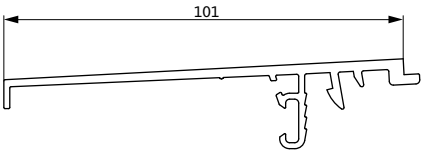
GU-thermostep 164 threshold

Drip rails



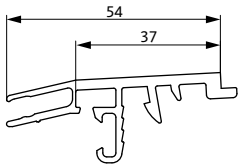
P 1676 drip rail 175

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1676 drip rail 175	3000	EV 1 / light grey	1	9-40381-30-0-1
	3500	EV 1 / light grey	1	9-40381-35-0-1
	4000	EV 1 / light grey	1	9-40381-40-0-1
	4500	EV 1 / light grey	1	9-40381-45-0-1
	5000	EV 1 / light grey	1	9-40381-50-0-1
	6700	EV 1 / light grey	1	9-40381-67-0-1
		UC 5 / dark bronze	1	9-40381-67-0-5



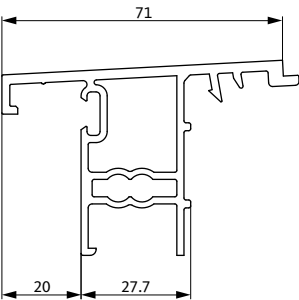
P 1716 drip rail 190

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1716 drip rail 190	6700	EV 1 / light grey	1	P-01716-67-0-1



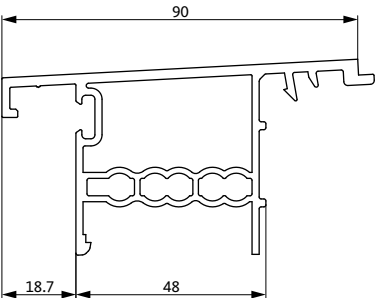
P 1651 drip rail with coupling

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1651 drip rail with coupling	6700	EV 1 / light grey	1	9-39617-67-0-1



P 1842 drip rail 160

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1842 drip rail 160	3000	EV 1 / light grey	1	9-45720-30-0-1
	4000	EV 1 / light grey	1	9-45720-40-0-1
	5000	EV 1 / light grey	1	9-45720-50-0-1
	6700	EV 1 / light grey	1	9-45720-67-0-1

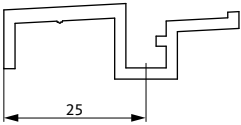


P 1837 drip rail 179

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1837 drip rail 179	3000	EV 1 / light grey	1	9-45646-30-0-1
	4000	EV 1 / light grey	1	9-45646-40-0-1
	5000	EV 1 / light grey	1	9-45646-50-0-1
		UC 5 / dark bronze	1	9-45646-50-0-5
	6700	EV 1 / light grey	1	9-45646-67-0-1

GU-thermostep 164 threshold

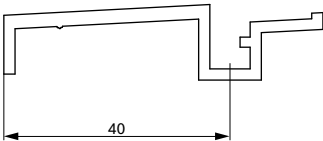
Extensions for drip rails



P 1051 extension 25

Length = 25 mm

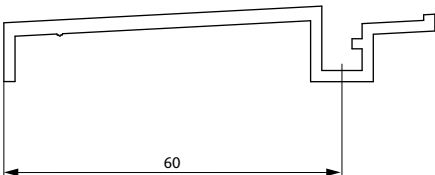
Versions/order numbers					
Designation	For	Length [mm]	Finish	PU	Order no.
P 1051 extension 25	–	6700	EV 1 / light grey	1	9-27968-67-0-1
			UC 5 / dark bronze	1	9-27968-67-0-5
P 859 gasket profile [1]	P 1051 extension 25	–	black	1	W-751018
[1] Order 1 P 859 gasket profile for each P 1051 extension 25.					



P 1840 extension 40

Length = 40 mm

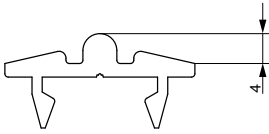
Versions/order numbers					
Designation	For	Length [mm]	Finish	PU	Order no.
P 1840 extension 40	–	6700	EV 1 / light grey	1	P-01840-67-0-1
P 859 gasket profile [1]	P 1840 extension 40	–	black	1	W-751018
[1] Order 1 P 859 gasket profile for each P 1840 extension 40.					



P 1918 extension 60

Length = 60 mm

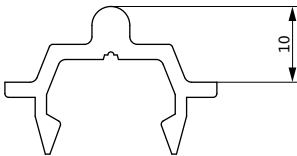
Versions/order numbers					
Designation	For	Length [mm]	Finish	PU	Order no.
P 1918 extension 60	–	6700	EV 1 / light grey	1	P-01918-67-0-1
P 859 gasket profile [1]	P 1918 extension 60	–	black	1	W-751018
[1] Order 1 P 859 gasket profile for each P 1918 extension 60.					



P 2209 roller track bb

Versions/order numbers

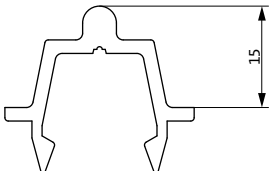
Designation	Length [mm]	Finish	PU	Order no.
P 2209 roller track bb	3000	EV 1 / light grey	1	P-02209-30-0-1
	4000	EV 1 / light grey	1	P-02209-40-0-1
	5000	EV 1 / light grey	1	P-02209-50-0-1
	6700	EV 1 / light grey	1	P-02209-67-0-1



P 1659 roller track 10

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1659 roller track 10	4500	EV 1 / light grey	1	9-39330-45-0-1
	6700	EV 1 / light grey	1	9-39330-67-0-1
		UC 5 / dark bronze	1	9-39330-67-0-5



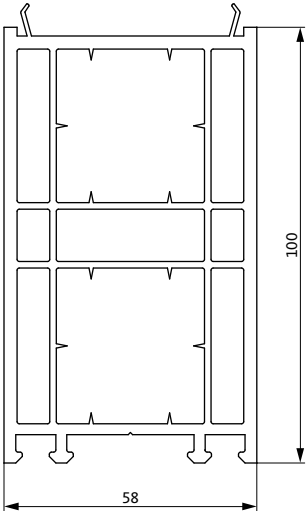
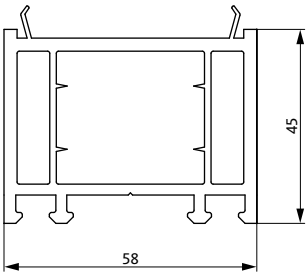
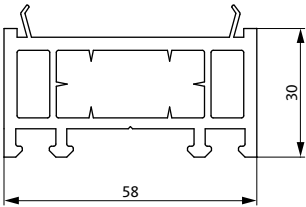
P 1635 roller track 15

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1635 roller track 15	3000	EV 1 / light grey	1	9-39311-30-0-1
	4000	EV 1 / light grey	1	9-39311-40-0-1
	5000	EV 1 / light grey	1	9-39311-50-0-1
	6700	EV 1 / light grey	1	9-39311-67-0-1
		UC 5 / dark bronze	1	9-39311-67-0-5

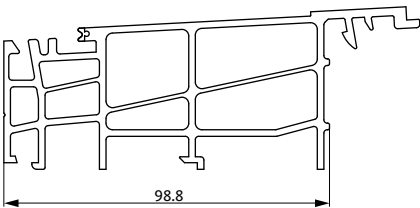
GU-thermostep 164 threshold

Extension profiles



HVA extension profile

Versions/order numbers				
Designation	Width [mm]	Finish	PU [m]	Order no.
HVA extension profile	30	white	26	H-00474-00-0-7
	45	white	26	H-00474-01-0-7
	100	white	13	H-00474-02-0-7



P 1719 extension profile

Versions/order numbers				
Designation	For pattern	Length [mm]	PU	Order no.
P 1719 extension profile	E, L	6700	1	P-01719-67-0-1

GU-thermostep 164 threshold

Wall anchor, structural sealing

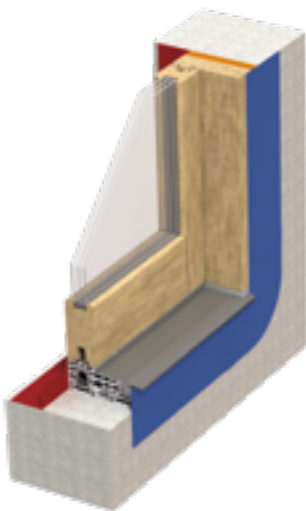


Wall anchor

Versions/order numbers

Designation	PU	Order no.
Wall anchor [1]	1	9-40086-00-0-1

[1] Per m. of GU-thermostep 164 threshold, order 1 wall anchor.



Structural sealing

Sealing of threshold at bottom horizontal

Versions/order numbers

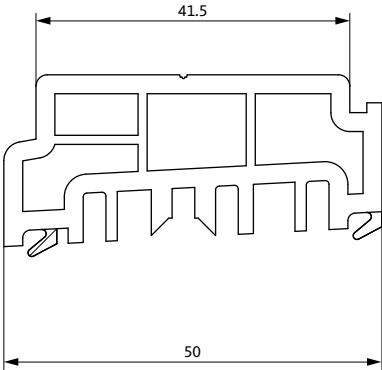
Designation			PU	Order no.
GU installation set for L&S doors			1 pc	H-01525-00-0-0
Contents			PU	
GU assembly corners			1 pair	
GU butyl external tape			7.5 m	
Designation			PU	Order no.
GU assembly corners			10 pairs	H-01526-00-0-0
GU installation butyl external tape, 200 mm			30 m	H-01527-00-0-0
GU installation butyl external tape, 300 mm			50 m	H-01527-30-0-0
Designation	Length [m]	Colour	PU	Order no.
Anti-moisture foil	50	black	1 pc	9-39737-25-0-6

Anti-moisture foil without illustration

You can find more information about the subject of structural sealing from page 518 onwards.

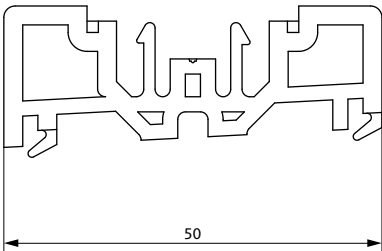
GU-thermostep 164 threshold

Attachment tracks



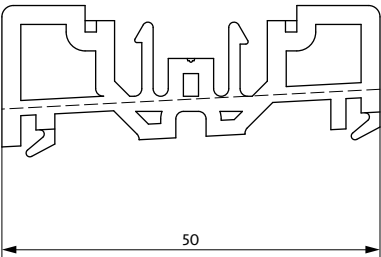
P 1634 attachment track

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1634 attachment track	1500	EV 1 / light grey	1	9-39309-15-0-1
	2000	EV 1 / light grey	1	9-39309-20-0-1
	2500	EV 1 / light grey	1	9-39309-25-0-1
		UC 5 / dark bronze	1	9-39309-25-0-5
	3350	EV 1 / light grey	1	9-39309-33-0-1
		UC 5 / dark bronze	1	9-39309-33-0-5



P 1633 attachment track-1

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-1	3350	EV 1 / light grey	1	9-40300-33-0-1
		UC 5 / dark bronze	1	9-40300-33-0-5



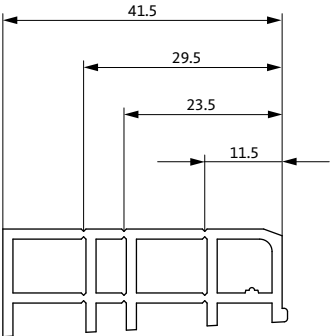
P 1633 attachment track-2
with water drainage

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-2	1500	EV 1 / light grey	1	9-39310-15-0-1
	2500	EV 1 / light grey	1	9-39310-25-0-1
		UC 5 / dark bronze	1	9-39310-25-0-5
	3350	EV 1 / light grey	1	9-39310-33-0-1
		UC 5 / dark bronze	1	9-39310-33-0-5

Designation	Roller track	Finish	PU	Order no.	
				on left	on right
End caps for P 1633 attachment track-2	P 2209 (4 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
	P 1659 (10 mm)	black	1	9-40295-00-L-6	9-40295-00-R-6
	P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
		black	1	9-39326-00-L-6	9-39326-00-R-6

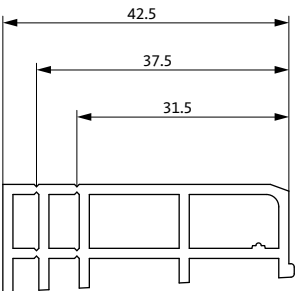
GU-thermostep 164 threshold

Intermediate profiles



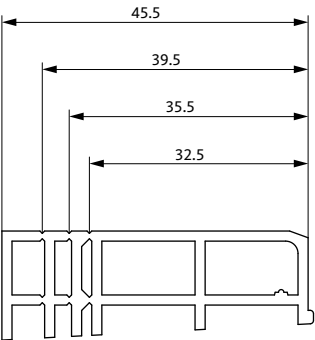
P 1641 intermediate profile 41

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1641 intermediate profile 41	1450	EV 1 / light grey	1	9-39317-15-0-1
	1950	EV 1 / light grey	1	9-39317-20-0-1
	2450	EV 1 / light grey	1	9-39317-25-0-1
	3300	EV 1 / light grey	1	9-39317-33-0-1
		black	1	9-39317-33-0-6



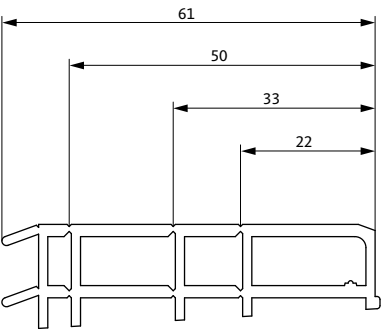
P 1677 intermediate profile 42

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1677 intermediate profile 42	1450	EV 1 / light grey	1	9-40382-15-0-1
	2450	EV 1 / light grey	1	9-40382-25-0-1
	3300	EV 1 / light grey	1	9-40382-33-0-1
		black	1	9-40382-33-0-6



P 1682 intermediate profile 45

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1682 intermediate profile 45	1450	EV 1 / light grey	1	9-40413-15-0-1
	1950	EV 1 / light grey	1	9-40413-20-0-1
	2450	EV 1 / light grey	1	9-40413-25-0-1
	3300	EV 1 / light grey	1	9-40413-33-0-1
		black	1	9-40413-33-0-6

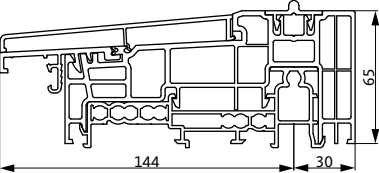


P 1846 intermediate profile 61

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1846 intermediate profile 61	1450	EV 1 / light grey	1	P-01846-15-0-1
	1950	EV 1 / light grey	1	P-01846-20-0-1
	2450	EV 1 / light grey	1	P-01846-25-0-1
		black	1	P-01846-25-0-6
	3300	EV 1 / light grey	1	P-01846-33-0-1
		black	1	P-01846-33-0-6

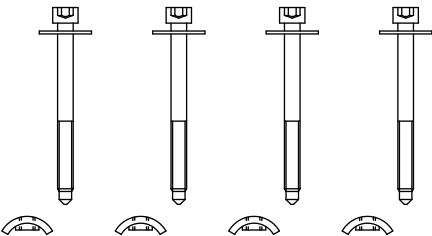
GU-thermostep 164 threshold

Comfort profile



P 1767 comfort profile

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1767 comfort profile	3300	EV 1 / light grey	1	P-01767-33-0-1

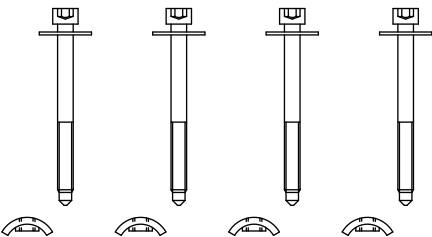


L&S corner connection parts, top – frame profile width 56 mm

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

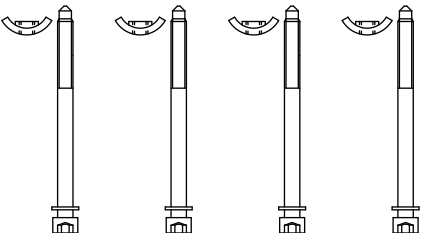


L&S corner connection parts, top – frame profile width 63 mm

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-20315-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		



L&S corner connection parts, bottom

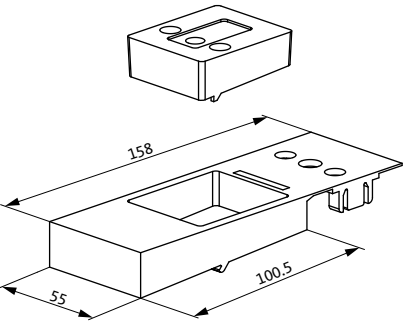
Threshold to door frame, vertical

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, bottom	1	K-15430-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

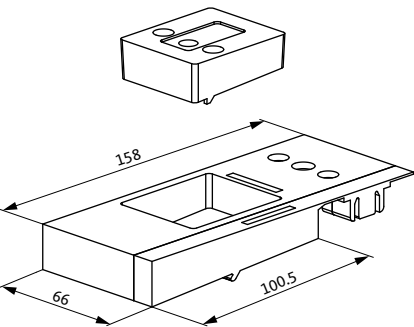
GU-thermostep 164 threshold

Corner connection parts



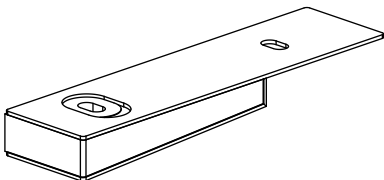
L&S gasket parts for 56 frame

Versions/order numbers				
Designation	FW [mm]	ST [mm]	PU	Order no.
L&S gasket parts for 56 frame	56, 68	56	1	K-15681-00-0-6
Contains: 2 x gasket part, 2 x supporting plate				



L&S gasket parts for 67 frame

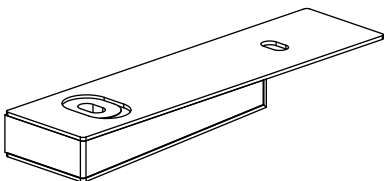
Versions/order numbers				
Designation	FW [mm]	ST [mm]	PU	Order no.
L&S gasket parts for 67 frame	68	56, 68	1	K-15679-00-0-6
Contains: 2 x gasket part, 2 x gasket backing plate, 2 x supporting plate				



L&S corner connector

Versions/order numbers

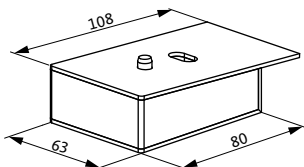
Designation	FW [mm]	ST [mm]	PU	Order no.
L&S corner connector	56	68	1	K-19741-01-0-1
Contains: 2 x corner connector, 2 x gasket plate Use drilling jig 6-39795-01-0-0.				



L&S corner connector

Versions/order numbers

Designation	FW [mm]	ST [mm]	PU	Order no.
L&S corner connector	68	68	1	K-19741-02-0-1
Contains: 2 x corner connector, 2 x gasket plate Use drilling jig 6-39795-02-0-0.				



L&S corner connector extension

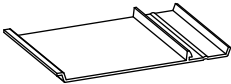
■ Patterns E and L

Versions/order numbers

Designation	FW [mm]	ST [mm]	PU	Order no.
L&S corner connector extension	63	68	1	K-18313-01-0-1
Contains: 2 x corner connector				

GU-thermostep 164 threshold

Packer, décor foil



Packer

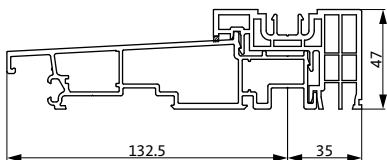
Versions/order numbers		
Designation	PU	Order no.
Packer [1]	1	9-43065-00-0-0
[1] Per m. of GU-thermostep threshold, order 2 packers.		

Décor foil

Versions/order numbers					
Designation	Pattern	Length [m.]	Colour	PU	Order no.
Décor foil	D, F	10	brown	1	9-40858-00-0-5

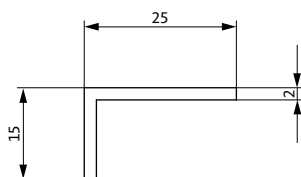
GU-threshold 47 threshold

Base profile, coupling part



GU-threshold 47 base profile

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
GU-threshold 47 base profile	5000	EV 1 / light grey	1	6-33848-50-0-1
	6700	EV 1 / light grey	1	6-33848-67-0-1



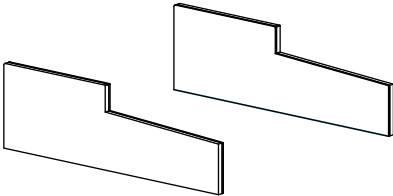
L&S coupling part for GU-threshold 47

from total frame width 6701 mm

Versions/order numbers		
Designation	PU	Order no.
L&S coupling part for GU-threshold 47	1	K-17389-00-0-0
Contains: 2 x coupling part, 1 x gasket plate, accessories		

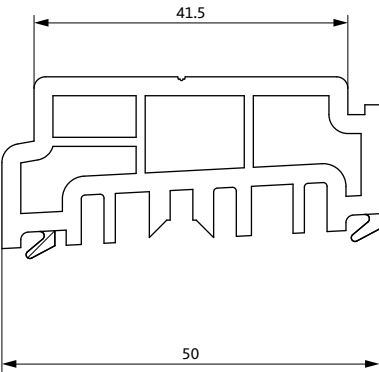
GU-threshold 47 threshold

End cover



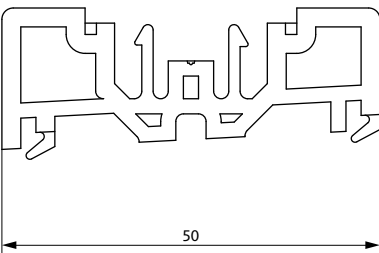
L&S end cover for GU threshold 47

Versions/order numbers		
Designation	PU	Order no.
L&S end cover for GU threshold 47	1	K-19265-01-0-1
Contains: 1 x end cover left (incl. gasket plate), 1 x end cover right (incl. gasket plate)		



P 1634 attachment track

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1634 attachment track	1500	EV 1 / light grey	1	9-39309-15-0-1
	2000	EV 1 / light grey	1	9-39309-20-0-1
	2500	EV 1 / light grey	1	9-39309-25-0-1
		UC 5 / dark bronze	1	9-39309-25-0-5
	3350	EV 1 / light grey	1	9-39309-33-0-1
		UC 5 / dark bronze	1	9-39309-33-0-5

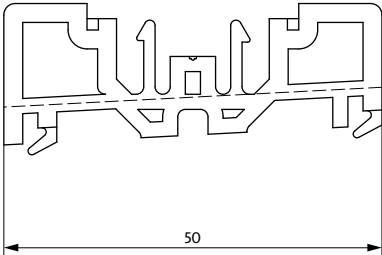


P 1633 attachment track-1

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-1	3350	EV 1 / light grey	1	9-40300-33-0-1
		UC 5 / dark bronze	1	9-40300-33-0-5

GU-threshold 47 threshold

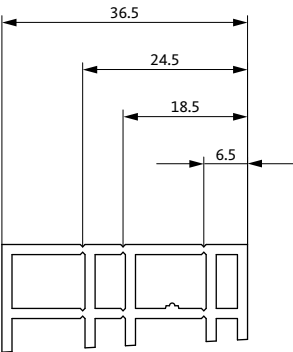
Attachment tracks



P 1633 attachment track-2
with water drainage

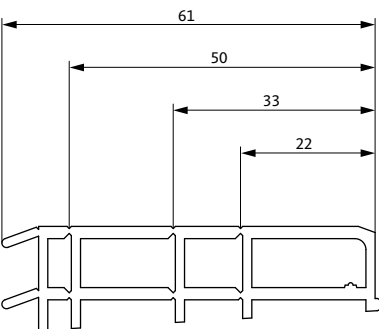
Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-2	1500	EV 1 / light grey	1	9-39310-15-0-1
	2500	EV 1 / light grey	1	9-39310-25-0-1
		UC 5 / dark bronze	1	9-39310-25-0-5
	3350	EV 1 / light grey	1	9-39310-33-0-1
		UC 5 / dark bronze	1	9-39310-33-0-5

Designation	Roller track	Finish	PU	Order no.	
				on left	on right
End caps for P 1633 attachment track-2	P 2209 (4 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
		black	1	9-40295-00-L-6	9-40295-00-R-6
	P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
		black	1	9-39326-00-L-6	9-39326-00-R-6



P 1741 intermediate profile 36.5

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1741 intermediate profile 36.5	3300	EV 1 / light grey	1	P-01741-33-0-1

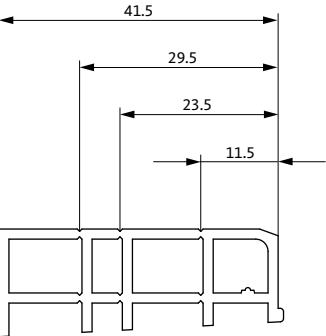


P 1846 intermediate profile 61

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1846 intermediate profile 61	1450	EV 1 / light grey	1	P-01846-15-0-1
	1950	EV 1 / light grey	1	P-01846-20-0-1
	2450	EV 1 / light grey	1	P-01846-25-0-1
		black	1	P-01846-25-0-6
	3300	EV 1 / light grey	1	P-01846-33-0-1
		black	1	P-01846-33-0-6

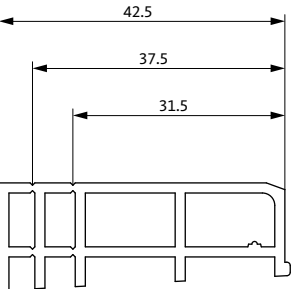
GU-threshold 47 threshold

Intermediate profiles



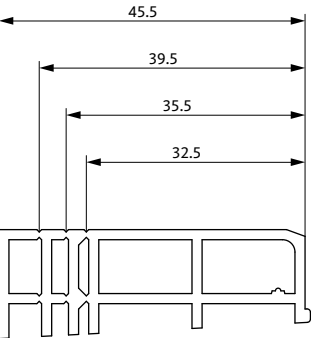
P 1641 intermediate profile 41

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1641 intermediate profile 41	1450	EV 1 / light grey	1	9-39317-15-0-1
	1950	EV 1 / light grey	1	9-39317-20-0-1
	2450	EV 1 / light grey	1	9-39317-25-0-1
	3300	EV 1 / light grey	1	9-39317-33-0-1
		black	1	9-39317-33-0-6



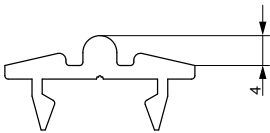
P 1677 intermediate profile 42

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1677 intermediate profile 42	1450	EV 1 / light grey	1	9-40382-15-0-1
	2450	EV 1 / light grey	1	9-40382-25-0-1
	3300	EV 1 / light grey	1	9-40382-33-0-1
		black	1	9-40382-33-0-6



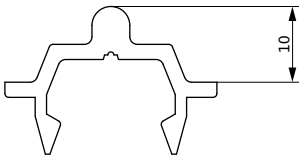
P 1682 intermediate profile 45

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1682 intermediate profile 45	1450	EV 1 / light grey	1	9-40413-15-0-1
	1950	EV 1 / light grey	1	9-40413-20-0-1
	2450	EV 1 / light grey	1	9-40413-25-0-1
	3300	EV 1 / light grey	1	9-40413-33-0-1
		black	1	9-40413-33-0-6



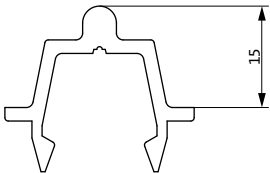
P 2209 roller track bb

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 2209 roller track bb	3000	EV 1 / light grey	1	P-02209-30-0-1
	4000	EV 1 / light grey	1	P-02209-40-0-1
	5000	EV 1 / light grey	1	P-02209-50-0-1
	6700	EV 1 / light grey	1	P-02209-67-0-1



P 1659 roller track 10

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1659 roller track 10	4500	EV 1 / light grey	1	9-39330-45-0-1
	6700	EV 1 / light grey	1	9-39330-67-0-1
		UC 5 / dark bronze	1	9-39330-67-0-5

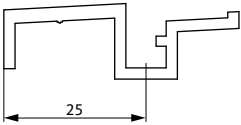


P 1635 roller track 15

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1635 roller track 15	3000	EV 1 / light grey	1	9-39311-30-0-1
	4000	EV 1 / light grey	1	9-39311-40-0-1
	5000	EV 1 / light grey	1	9-39311-50-0-1
	6700	EV 1 / light grey	1	9-39311-67-0-1
		UC 5 / dark bronze	1	9-39311-67-0-5

GU-threshold 47 threshold

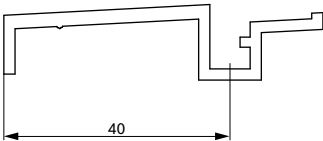
Extensions



P 1051 extension 25

Length = 25 mm

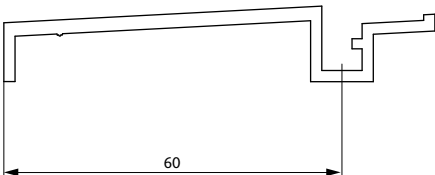
Versions/order numbers					
Designation	For	Length [mm]	Finish	PU	Order no.
P 1051 extension 25	–	6700	EV 1 / light grey	1	9-27968-67-0-1
			UC 5 / dark bronze	1	9-27968-67-0-5
P 859 gasket profile [1]	P 1051 extension 25	–	black	1	W-751018
[1] Order 1 P 859 gasket profile for each P 1051 extension 25.					



P 1840 extension 40

Length = 40 mm

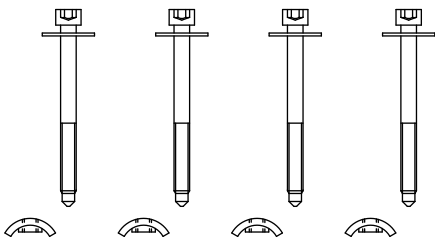
Versions/order numbers					
Designation	For	Length [mm]	Finish	PU	Order no.
P 1840 extension 40	–	6700	EV 1 / light grey	1	P-01840-67-0-1
P 859 gasket profile [1]	P 1840 extension 40	–	black	1	W-751018
[1] Order 1 P 859 gasket profile for each P 1840 extension 40.					



P 1918 extension 60

Length = 60 mm

Versions/order numbers					
Designation	For	Length [mm]	Finish	PU	Order no.
P 1918 extension 60	–	6700	EV 1 / light grey	1	P-01918-67-0-1
P 859 gasket profile [1]	P 1918 extension 60	–	black	1	W-751018
[1] Order 1 P 859 gasket profile for each P 1918 extension 60.					

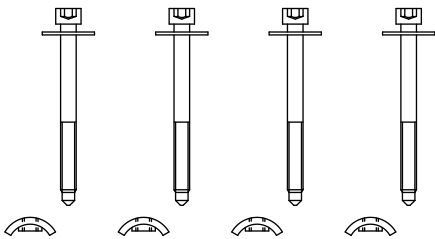


L&S corner connection parts, top – frame profile width 56 mm

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

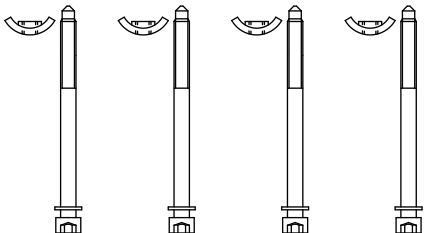


L&S corner connection parts, top – frame profile width 63 mm

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-20315-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		



L&S corner connection parts, bottom

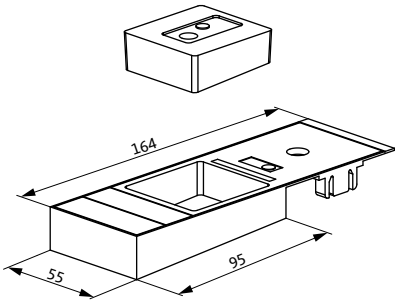
Threshold to door frame, vertical

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, bottom	1	K-15430-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

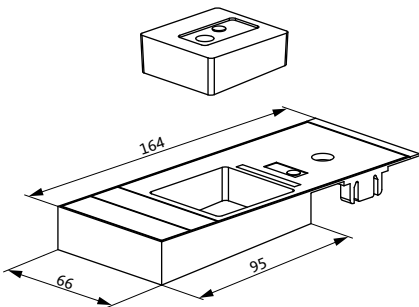
GU-threshold 47 threshold

Corner connection parts



L&S gasket parts for 56 frame

Versions/order numbers		
Designation	PU	Order no.
L&S gasket parts for 56 frame	1	K-17384-56-0-6
Contains: 2 x gasket part, 2 x supporting plate		



L&S gasket parts for 67 frame

Versions/order numbers		
Designation	PU	Order no.
L&S gasket parts for 67 frame	1	K-17384-67-0-6
Contains: 2 x gasket part, 2 x supporting plate		



Anti-moisture foil

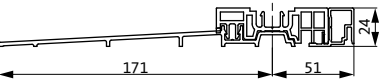
Versions/order numbers				
Designation	Length [m]	Colour	PU	Order no.
Anti-moisture foil	50	black	1	9-39737-25-0-6

Décor foil

Versions/order numbers					
Designation	Pattern	Length [m.]	Colour	PU	Order no.
Décor foil	D, F	10	brown	1	9-40858-00-0-5

GU-flatstep 222 threshold

Base profile

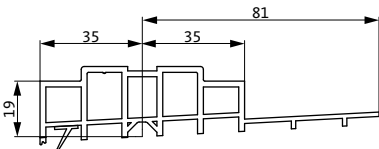


GU-flatstep 222 base profile

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
GU-flatstep 222 base profile	6700	EV 1 / light grey	1	6-36103-67-0-1

GU-flatstep 222 threshold

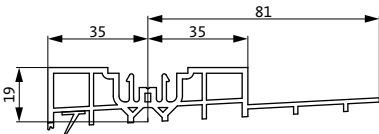
Attachment tracks for sash thickness 88 mm



P 1993 attachment track 19/81 Pattern A

Versions/order numbers

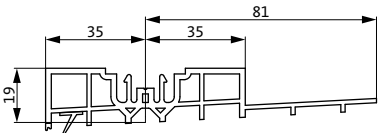
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1993 attachment track 19/81 Pattern A	88	2500	EV 1 / light grey	1	P-01993-25-0-1
		3300	EV 1 / light grey	1	P-01993-33-0-1



P 1994 attachment track-1 19/81 Pattern D – fixed-glazed sash

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1994 attachment track-1 19/81 Pattern D – fixed-glazed sash	88	2500	EV 1 / light grey	1	P-01994-25-0-1
		3350	EV 1 / light grey	1	P-01994-33-0-1



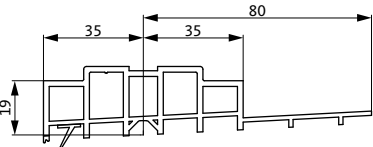
P 1994 attachment track-2 19/81 Pattern D – passage area

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1994 attachment track-2 19/81 Pattern D – passage area	88	3350	EV 1 / light grey	1	9-48288-33-0-1

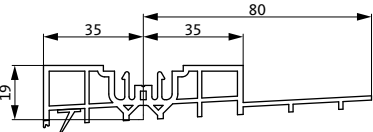
GU-flatstep 222 threshold

Attachment tracks for sash thickness 90 mm



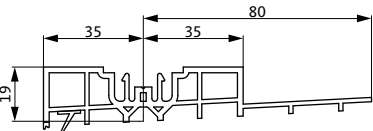
P 1991 attachment track 19/80 Pattern A

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1991 attachment track 19/80 Pattern A	90	2500	EV 1 / light grey	1	P-01991-25-0-1
		3350	EV 1 / light grey	1	P-01991-33-0-1



P 1992 attachment track-1 19/80 Pattern D – fixed-glazed sash

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1992 attachment track-1 19/80 Pattern D – fixed-glazed sash	90	2500	EV 1 / light grey	1	P-01992-25-0-1
		3350	EV 1 / light grey	1	P-01992-33-0-1

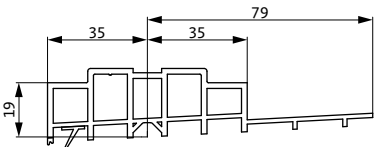


P 1992 attachment track-2 19/80 Pattern D – passage area

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1992 attachment track-2 19/80 Pattern D – passage area	90	2000	EV 1 / light grey	1	9-48287-20-0-1
		2500	EV 1 / light grey	1	9-48287-25-0-1
		3350	EV 1 / light grey	1	9-48287-33-0-1

GU-flatstep 222 threshold

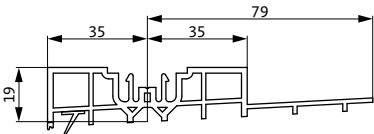
Attachment tracks for sash thickness 92 mm



P 1989 attachment track 19/79 Pattern A

Versions/order numbers

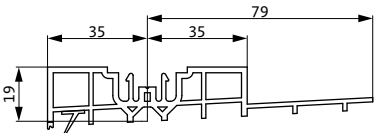
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1989 attachment track 19/79 Pattern A	92	2500	EV 1 / light grey	1	P-01989-25-0-1
		3350	EV 1 / light grey	1	P-01989-33-0-1



P 1990 attachment track-1 19/79 Pattern D – fixed-glazed sash

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1990 attachment track-1 19/79 Pattern D – fixed-glazed sash	92	2500	EV 1 / light grey	1	P-01990-25-0-1
		3350	EV 1 / light grey	1	P-01990-33-0-1



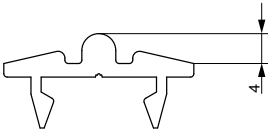
P 1990 attachment track-2 19/79 Pattern D – passage area

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1990 attachment track-2 19/79 Pattern D – passage area	92	2500	EV 1 / light grey	1	9-48286-25-0-1
		3350	EV 1 / light grey	1	9-48286-33-0-1

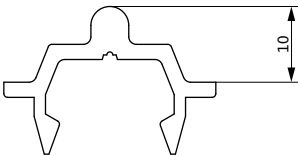
GU-flatstep 222 threshold

Roller tracks



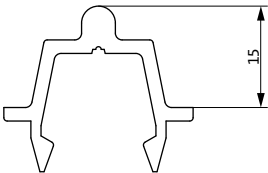
P 2209 roller track bb

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 2209 roller track bb	3000	EV 1 / light grey	1	P-02209-30-0-1
	4000	EV 1 / light grey	1	P-02209-40-0-1
	5000	EV 1 / light grey	1	P-02209-50-0-1
	6700	EV 1 / light grey	1	P-02209-67-0-1



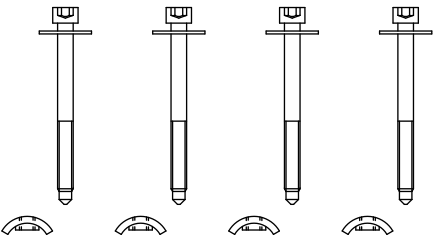
P 1659 roller track 10

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1659 roller track 10	4500	EV 1 / light grey	1	9-39330-45-0-1
	6700	EV 1 / light grey	1	9-39330-67-0-1
		UC 5 / dark bronze	1	9-39330-67-0-5



P 1635 roller track 15

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1635 roller track 15	3000	EV 1 / light grey	1	9-39311-30-0-1
	4000	EV 1 / light grey	1	9-39311-40-0-1
	5000	EV 1 / light grey	1	9-39311-50-0-1
	6700	EV 1 / light grey	1	9-39311-67-0-1
		UC 5 / dark bronze	1	9-39311-67-0-5

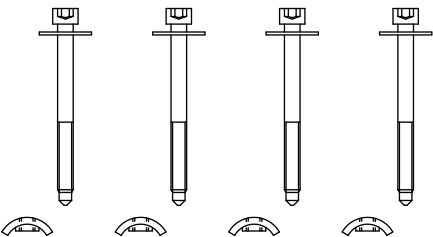


L&S corner connection parts, top – frame profile width 56 mm

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

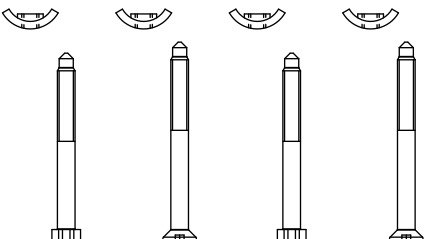


L&S corner connection parts, top – frame profile width 63 mm

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-20315-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		



L&S corner connection parts, bottom

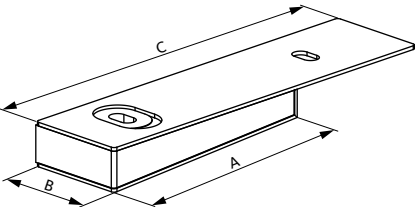
Threshold to door frame, vertical

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, bottom	1	K-17869-00-0-1
Contains: 4 x segmental nut, fixing screws		

GU-flatstep 222 threshold

Corner connection parts



L&S corner connector

Versions/order numbers

Designation	ST [mm]	Dim. A [mm]	Dim. B [mm]	Dim. C [mm]	PU	Order no.
L&S corner connector	88, 90, 92	129	63	203	1	K-17914-00-0-1
		125	56	216	1	K-18493-00-0-1
Contains: 2 x corner connector, 2 x gasket plate, 2 x sealing plate						



Anti-moisture foil

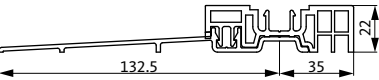
Versions/order numbers				
Designation	Length [m]	Colour	PU	Order no.
Anti-moisture foil	50	black	1	9-39737-25-0-6

Décor foil

Versions/order numbers					
Designation	Pattern	Length [m.]	Colour	PU	Order no.
Décor foil	D, F	10	brown	1	9-40858-00-0-5

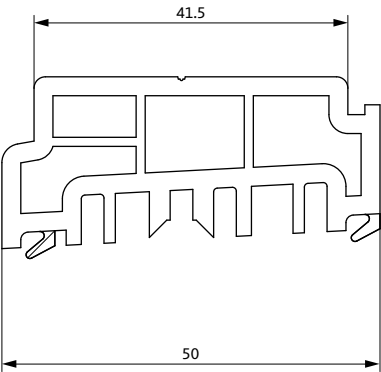
GU-flatstep 164 threshold

Base profile



GU-flatstep 164 base profile

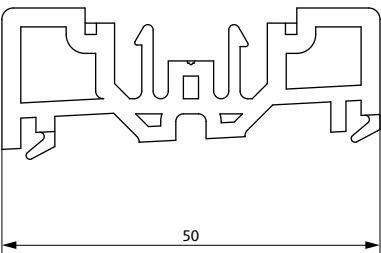
Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
GU-flatstep 164 base profile	6700	EV 1 / light grey	1	6-34948-67-0-1
		UC 5 / dark bronze	1	6-34948-67-0-5



P 1634 attachment track

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1634 attachment track	1500	EV 1 / light grey	1	9-39309-15-0-1
	2000	EV 1 / light grey	1	9-39309-20-0-1
	2500	EV 1 / light grey	1	9-39309-25-0-1
		UC 5 / dark bronze	1	9-39309-25-0-5
	3350	EV 1 / light grey	1	9-39309-33-0-1
		UC 5 / dark bronze	1	9-39309-33-0-5



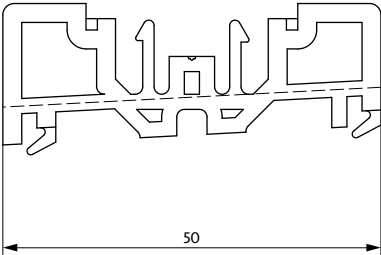
P 1633 attachment track-1

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-1	3350	EV 1 / light grey	1	9-40300-33-0-1
		UC 5 / dark bronze	1	9-40300-33-0-5

GU-flatstep 164 threshold

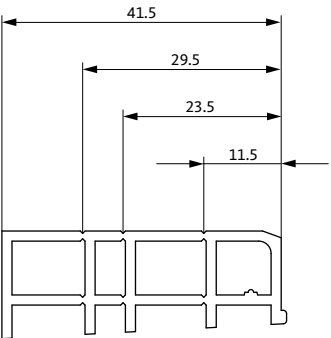
Attachment tracks



P 1633 attachment track-2
with water drainage

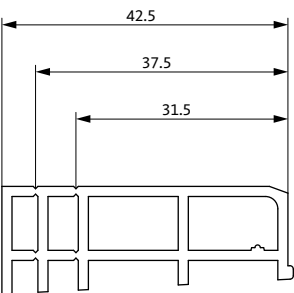
Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-2	1500	EV 1 / light grey	1	9-39310-15-0-1
	2500	EV 1 / light grey	1	9-39310-25-0-1
		UC 5 / dark bronze	1	9-39310-25-0-5
	3350	EV 1 / light grey	1	9-39310-33-0-1
		UC 5 / dark bronze	1	9-39310-33-0-5

Designation	Roller track	Finish	PU	Order no.	
				on left	on right
End caps for P 1633 attachment track-2	P 2209 (4 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
		black	1	9-40295-00-L-6	9-40295-00-R-6
	P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
		black	1	9-39326-00-L-6	9-39326-00-R-6



P 1641 intermediate profile 41

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1641 intermediate profile 41	1450	EV 1 / light grey	1	9-39317-15-0-1
	1950	EV 1 / light grey	1	9-39317-20-0-1
	2450	EV 1 / light grey	1	9-39317-25-0-1
	3300	EV 1 / light grey	1	9-39317-33-0-1
		black	1	9-39317-33-0-6

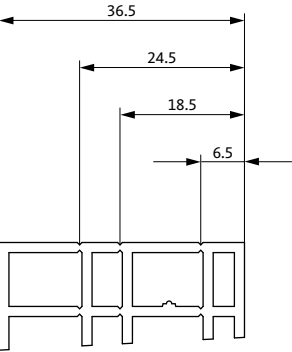


P 1677 intermediate profile 42

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1677 intermediate profile 42	1450	EV 1 / light grey	1	9-40382-15-0-1
	2450	EV 1 / light grey	1	9-40382-25-0-1
	3300	EV 1 / light grey	1	9-40382-33-0-1
		black	1	9-40382-33-0-6

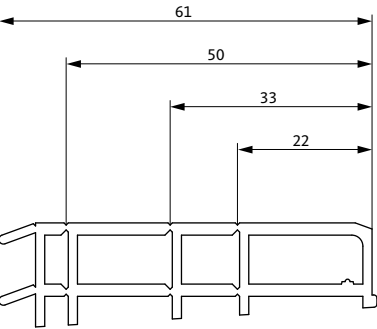
GU-flatstep 164 threshold

Intermediate profiles



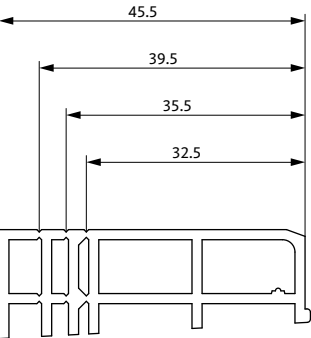
P 1741 intermediate profile 36.5

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1741 intermediate profile 36.5	3300	EV 1 / light grey	1	P-01741-33-0-1



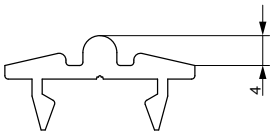
P 1846 intermediate profile 61

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1846 intermediate profile 61	1450	EV 1 / light grey	1	P-01846-15-0-1
	1950	EV 1 / light grey	1	P-01846-20-0-1
	2450	EV 1 / light grey	1	P-01846-25-0-1
		black	1	P-01846-25-0-6
	3300	EV 1 / light grey	1	P-01846-33-0-1
		black	1	P-01846-33-0-6



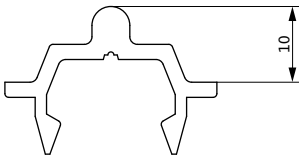
P 1682 intermediate profile 45

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1682 intermediate profile 45	1450	EV 1 / light grey	1	9-40413-15-0-1
	1950	EV 1 / light grey	1	9-40413-20-0-1
	2450	EV 1 / light grey	1	9-40413-25-0-1
	3300	EV 1 / light grey	1	9-40413-33-0-1
		black	1	9-40413-33-0-6



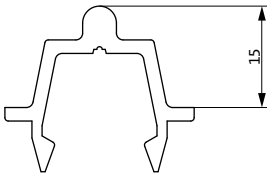
P 2209 roller track bb

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 2209 roller track bb	3000	EV 1 / light grey	1	P-02209-30-0-1
	4000	EV 1 / light grey	1	P-02209-40-0-1
	5000	EV 1 / light grey	1	P-02209-50-0-1
	6700	EV 1 / light grey	1	P-02209-67-0-1



P 1659 roller track 10

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1659 roller track 10	4500	EV 1 / light grey	1	9-39330-45-0-1
	6700	EV 1 / light grey	1	9-39330-67-0-1
		UC 5 / dark bronze	1	9-39330-67-0-5

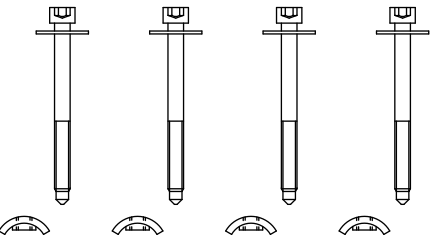


P 1635 roller track 15

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1635 roller track 15	3000	EV 1 / light grey	1	9-39311-30-0-1
	4000	EV 1 / light grey	1	9-39311-40-0-1
	5000	EV 1 / light grey	1	9-39311-50-0-1
	6700	EV 1 / light grey	1	9-39311-67-0-1
		UC 5 / dark bronze	1	9-39311-67-0-5

GU-flatstep 164 threshold

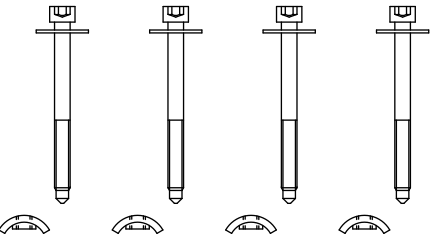
Corner connection parts



L&S corner connection parts, top – frame profile width 56 mm

Vertical door frame in relation to horizontal door frame

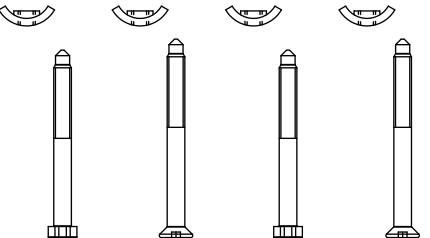
Versions/order numbers		
Designation	PU	Order no.
L&S corner connection parts, top	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		



L&S corner connection parts, top – frame profile width 63 mm

Vertical door frame in relation to horizontal door frame

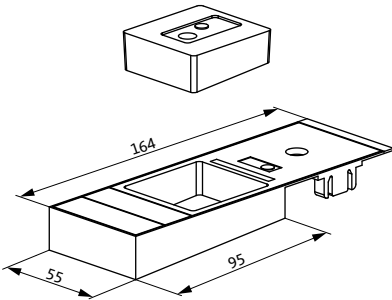
Versions/order numbers		
Designation	PU	Order no.
L&S corner connection parts, top	1	K-20315-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		



L&S corner connection parts, bottom

Threshold to door frame, vertical

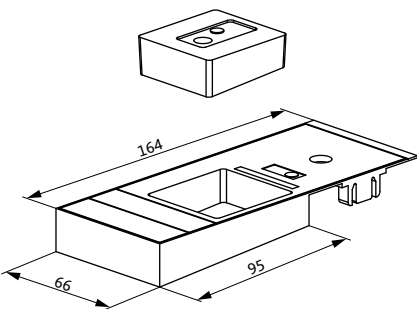
Versions/order numbers		
Designation	PU	Order no.
L&S corner connection parts, bottom	1	K-17869-00-0-1
Contains: 4 x segmental nut, fixing screws		



L&S gasket parts for 56 frame

Versions/order numbers

Designation	PU	Order no.
L&S gasket parts for 56 frame	1	K-17384-56-0-6
Contains: 2 x gasket part, 2 x supporting plate		



L&S gasket parts for 67 frame

Versions/order numbers

Designation	PU	Order no.
L&S gasket parts for 67 frame	1	K-17384-67-0-6
Contains: 2 x gasket part, 2 x supporting plate		

GU-flatstep 164 threshold

Anti-moisture foil, décor foil

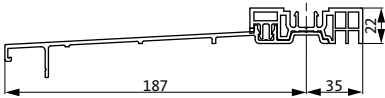


Anti-moisture foil

Versions/order numbers				
Designation	Length [m]	Colour	PU	Order no.
Anti-moisture foil	50	black	1	9-39737-25-0-6

Décor foil

Versions/order numbers					
Designation	Pattern	Length [m.]	Colour	PU	Order no.
Décor foil	D, F	10	brown	1	9-40858-00-0-5

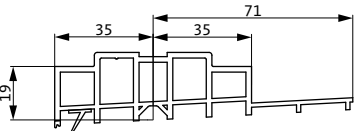


GU-timberstep 204 base profile

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
GU-timberstep 204 base profile	5000	EV 1 / light grey	1	6-35512-50-0-1
	6700	EV 1 / light grey	1	6-35512-67-0-1

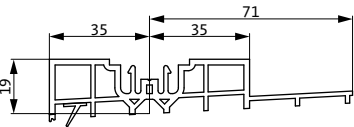
GU-timberstep 204 threshold

Attachment tracks for sash thickness 78 mm



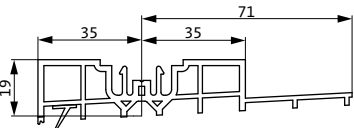
P 1987 attachment track 19/71
Pattern A

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1987 attachment track 19/71 Pattern A	78	2000	EV 1 / light grey	1	P-01987-20-0-1
		2500	EV 1 / light grey	1	P-01987-25-0-1
		3350	EV 1 / light grey	1	P-01987-33-0-1



P 1988 attachment track-1 19/71
Pattern D – fixed-glazed sash

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1988 attachment track-1 19/71 Pattern D – fixed-glazed sash	78	2000	EV 1 / light grey	1	P-01988-20-0-1
		2500	EV 1 / light grey	1	P-01988-25-0-1
		3350	EV 1 / light grey	1	P-01988-33-0-1

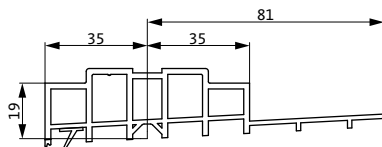


P 1988 attachment track-2 19/71
Pattern D – passage area

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1988 attachment track-2 19/71 Pattern D – passage area	78	2500	EV 1 / light grey	1	9-48285-25-0-1
		3350	EV 1 / light grey	1	9-48285-33-0-1

GU-timberstep 204 threshold

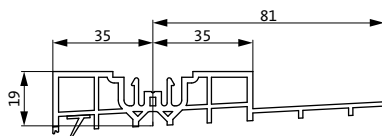
Attachment tracks for sash thickness 88 mm



P 1993 attachment track 19/81 Pattern A

Versions/order numbers

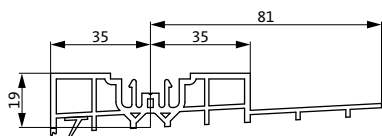
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1993 attachment track 19/81 Pattern A	88	2500	EV 1 / light grey	1	P-01993-25-0-1
		3300	EV 1 / light grey	1	P-01993-33-0-1



P 1994 attachment track-1 19/81 Pattern D – fixed-glazed sash

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1994 attachment track-1 19/81 Pattern D – fixed-glazed sash	88	2500	EV 1 / light grey	1	P-01994-25-0-1
		3350	EV 1 / light grey	1	P-01994-33-0-1



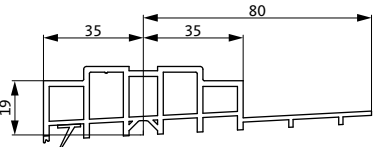
P 1994 attachment track-2 19/81 Pattern D – passage area

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1994 attachment track-2 19/81 Pattern D – passage area	88	3350	EV 1 / light grey	1	9-48288-33-0-1

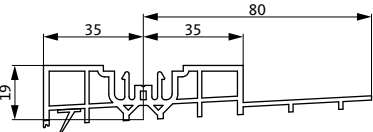
GU-timberstep 204 threshold

Attachment tracks for sash thickness 90 mm



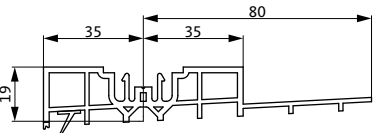
P 1991 attachment track 19/80
Pattern A

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1991 attachment track 19/80 Pattern A	90	2500	EV 1 / light grey	1	P-01991-25-0-1
		3350	EV 1 / light grey	1	P-01991-33-0-1



P 1992 attachment track-1 19/80
Pattern D – fixed-glazed sash

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1992 attachment track-1 19/80 Pattern D – fixed-glazed sash	90	2500	EV 1 / light grey	1	P-01992-25-0-1
		3350	EV 1 / light grey	1	P-01992-33-0-1

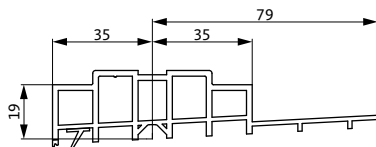


P 1992 attachment track-2 19/80
Pattern D – passage area

Versions/order numbers					
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1992 attachment track-2 19/80 Pattern D – passage area	90	2000	EV 1 / light grey	1	9-48287-20-0-1
		2500	EV 1 / light grey	1	9-48287-25-0-1
		3350	EV 1 / light grey	1	9-48287-33-0-1

GU-timberstep 204 threshold

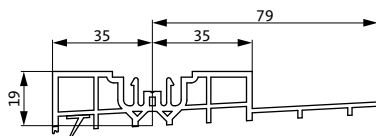
Attachment tracks for sash thickness 92 mm



P 1989 attachment track 19/79 Pattern A

Versions/order numbers

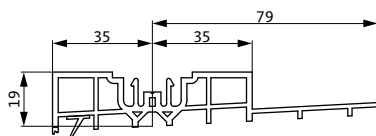
Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1989 attachment track 19/79 Pattern A	92	2500	EV 1 / light grey	1	P-01989-25-0-1
		3350	EV 1 / light grey	1	P-01989-33-0-1



P 1990 attachment track-1 19/79 Pattern D – fixed-glazed sash

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1990 attachment track-1 19/79 Pattern D – fixed-glazed sash	92	2500	EV 1 / light grey	1	P-01990-25-0-1
		3350	EV 1 / light grey	1	P-01990-33-0-1



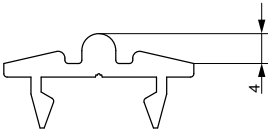
P 1990 attachment track-2 19/79 Pattern D – passage area

Versions/order numbers

Designation	ST [mm]	Length [mm]	Finish	PU	Order no.
P 1990 attachment track-2 19/79 Pattern D – passage area	92	2500	EV 1 / light grey	1	9-48286-25-0-1
		3350	EV 1 / light grey	1	9-48286-33-0-1

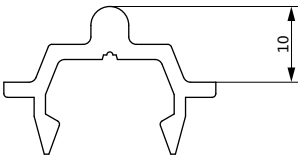
GU-timberstep 204 threshold

Roller tracks



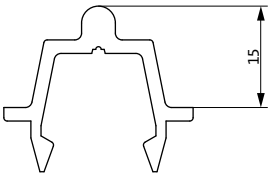
P 2209 roller track bb

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 2209 roller track bb	3000	EV 1 / light grey	1	P-02209-30-0-1
	4000	EV 1 / light grey	1	P-02209-40-0-1
	5000	EV 1 / light grey	1	P-02209-50-0-1
	6700	EV 1 / light grey	1	P-02209-67-0-1



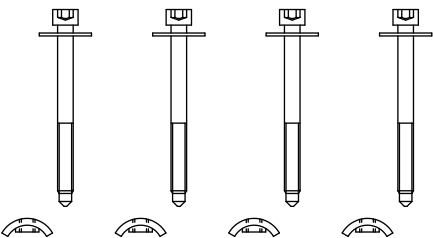
P 1659 roller track 10

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1659 roller track 10	4500	EV 1 / light grey	1	9-39330-45-0-1
	6700	EV 1 / light grey	1	9-39330-67-0-1
		UC 5 / dark bronze	1	9-39330-67-0-5



P 1635 roller track 15

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1635 roller track 15	3000	EV 1 / light grey	1	9-39311-30-0-1
	4000	EV 1 / light grey	1	9-39311-40-0-1
	5000	EV 1 / light grey	1	9-39311-50-0-1
	6700	EV 1 / light grey	1	9-39311-67-0-1
		UC 5 / dark bronze	1	9-39311-67-0-5

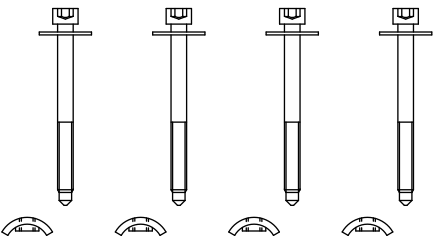


L&S corner connection parts, top – frame profile width 56 mm

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

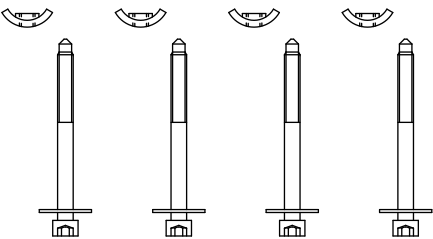


L&S corner connection parts, top – frame profile width 63 mm

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-20315-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		



L&S corner connection parts, bottom

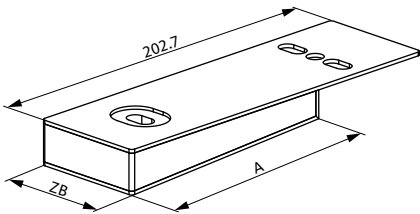
Threshold to door frame, vertical

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, bottom	1	K-17870-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

GU-timberstep 204 threshold

Corner connection parts



L&S corner connector

Versions/order numbers					
Designation	FW [mm]	ST [mm]	Dimension A [mm]	PU	Order no.
L&S corner connector	63	78	110	1	K-17914-03-0-1
		88, 90, 92	125	1	K-17914-01-0-1
	56	78	110	1	K-18493-03-0-1
		88, 90, 92	125	1	K-18493-01-0-1
Contains: 2 x corner connector, 2 x gasket plate					



Anti-moisture foil

Versions/order numbers				
Designation	Length [m]	Colour	PU	Order no.
Anti-moisture foil	50	black	1	9-39737-25-0-6

Décor foil

Versions/order numbers					
Designation	Pattern	Length [m.]	Colour	PU	Order no.
Décor foil	D, F	10	brown	1	9-40858-00-0-5

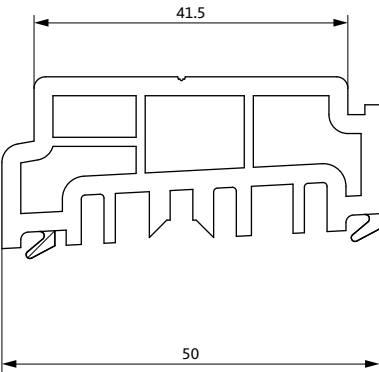
GU-timberstep 164 threshold

Base profile



GU-timberstep 164 base profile

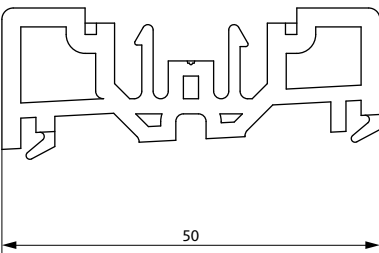
Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
GU-timberstep 164 base profile	5000	EV 1 / light grey	1	6-35030-50-0-1
	6700	EV 1 / light grey	1	6-35030-67-0-1
		UC 5 / dark bronze	1	6-35030-67-0-5



P 1634 attachment track

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1634 attachment track	1500	EV 1 / light grey	1	9-39309-15-0-1
	2000	EV 1 / light grey	1	9-39309-20-0-1
	2500	EV 1 / light grey	1	9-39309-25-0-1
		UC 5 / dark bronze	1	9-39309-25-0-5
	3350	EV 1 / light grey	1	9-39309-33-0-1
		UC 5 / dark bronze	1	9-39309-33-0-5



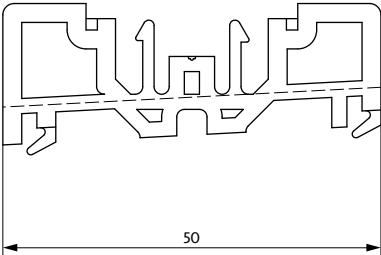
P 1633 attachment track-1

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-1	3350	EV 1 / light grey	1	9-40300-33-0-1
		UC 5 / dark bronze	1	9-40300-33-0-5

GU-timberstep 164 threshold

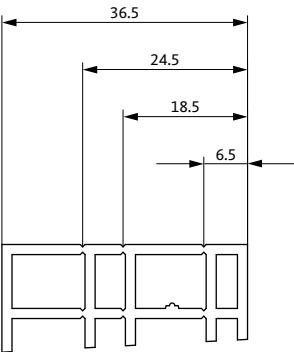
Attachment tracks



P 1633 attachment track-2
with water drainage

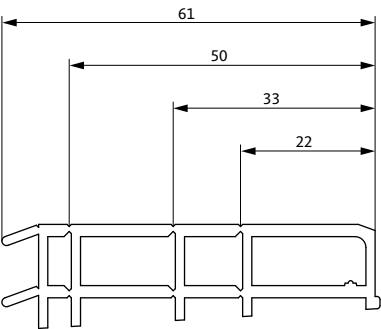
Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1633 attachment track-2	1500	EV 1 / light grey	1	9-39310-15-0-1
	2500	EV 1 / light grey	1	9-39310-25-0-1
		UC 5 / dark bronze	1	9-39310-25-0-5
	3350	EV 1 / light grey	1	9-39310-33-0-1
		UC 5 / dark bronze	1	9-39310-33-0-5

Designation	Roller track	Finish	PU	Order no.	
				on left	on right
End caps for P 1633 attachment track-2	P 2209 (4 mm) P 1659 (10 mm)	EV 1 / light grey	1	9-40295-00-L-1	9-40295-00-R-1
		black	1	9-40295-00-L-6	9-40295-00-R-6
	P 1635 (15 mm)	EV 1 / light grey	1	9-39326-00-L-1	9-39326-00-R-1
		black	1	9-39326-00-L-6	9-39326-00-R-6



P 1741 intermediate profile 36.5

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1741 intermediate profile 36.5	3300	EV 1 / light grey	1	P-01741-33-0-1

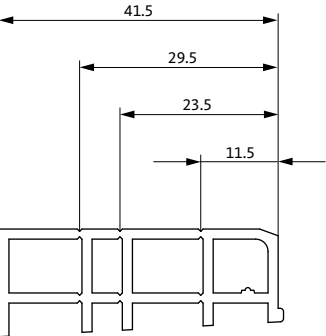


P 1846 intermediate profile 61

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1846 intermediate profile 61	1450	EV 1 / light grey	1	P-01846-15-0-1
	1950	EV 1 / light grey	1	P-01846-20-0-1
	2450	EV 1 / light grey	1	P-01846-25-0-1
		black	1	P-01846-25-0-6
	3300	EV 1 / light grey	1	P-01846-33-0-1
		black	1	P-01846-33-0-6

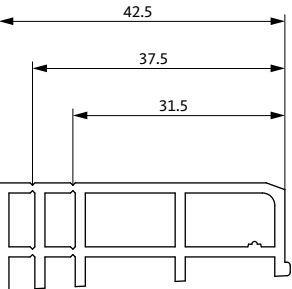
GU-timberstep 164 threshold

Intermediate profiles



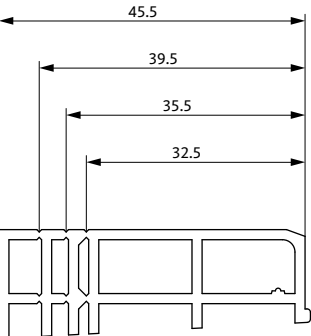
P 1641 intermediate profile 41

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1641 intermediate profile 41	1450	EV 1 / light grey	1	9-39317-15-0-1
	1950	EV 1 / light grey	1	9-39317-20-0-1
	2450	EV 1 / light grey	1	9-39317-25-0-1
	3300	EV 1 / light grey	1	9-39317-33-0-1
		black	1	9-39317-33-0-6



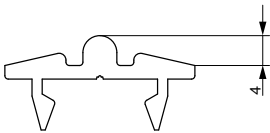
P 1677 intermediate profile 42

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1677 intermediate profile 42	1450	EV 1 / light grey	1	9-40382-15-0-1
	2450	EV 1 / light grey	1	9-40382-25-0-1
	3300	EV 1 / light grey	1	9-40382-33-0-1
		black	1	9-40382-33-0-6



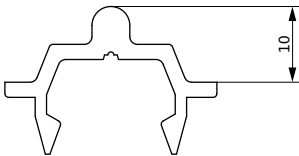
P 1682 intermediate profile 45

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1682 intermediate profile 45	1450	EV 1 / light grey	1	9-40413-15-0-1
	1950	EV 1 / light grey	1	9-40413-20-0-1
	2450	EV 1 / light grey	1	9-40413-25-0-1
	3300	EV 1 / light grey	1	9-40413-33-0-1
		black	1	9-40413-33-0-6



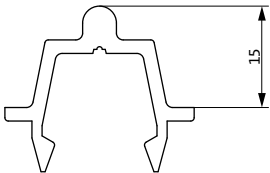
P 2209 roller track bb

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 2209 roller track bb	3000	EV 1 / light grey	1	P-02209-30-0-1
	4000	EV 1 / light grey	1	P-02209-40-0-1
	5000	EV 1 / light grey	1	P-02209-50-0-1
	6700	EV 1 / light grey	1	P-02209-67-0-1



P 1659 roller track 10

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1659 roller track 10	4500	EV 1 / light grey	1	9-39330-45-0-1
	6700	EV 1 / light grey	1	9-39330-67-0-1
		UC 5 / dark bronze	1	9-39330-67-0-5

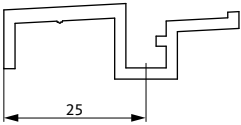


P 1635 roller track 15

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1635 roller track 15	3000	EV 1 / light grey	1	9-39311-30-0-1
	4000	EV 1 / light grey	1	9-39311-40-0-1
	5000	EV 1 / light grey	1	9-39311-50-0-1
	6700	EV 1 / light grey	1	9-39311-67-0-1
		UC 5 / dark bronze	1	9-39311-67-0-5

GU-timberstep 164 threshold

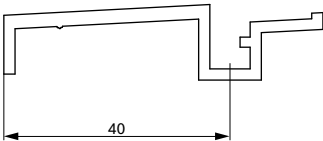
Extensions



P 1051 extension 25

Length = 25 mm

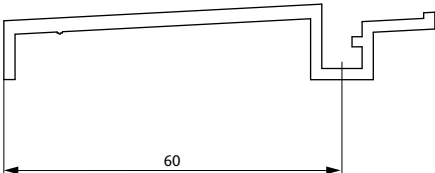
Versions/order numbers					
Designation	For	Length [mm]	Finish	PU	Order no.
P 1051 extension 25	–	6700	EV 1 / light grey	1	9-27968-67-0-1
			UC 5 / dark bronze	1	9-27968-67-0-5
P 859 gasket profile [1]	P 1051 extension 25	–	black	1	W-751018
[1] Order 1 P 859 gasket profile for each P 1051 extension 25.					



P 1840 extension 40

Length = 40 mm

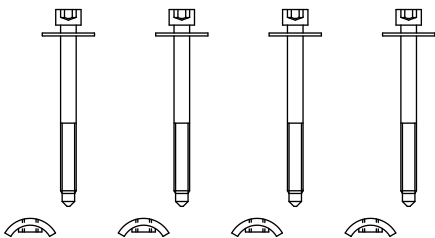
Versions/order numbers					
Designation	For	Length [mm]	Finish	PU	Order no.
P 1840 extension 40	–	6700	EV 1 / light grey	1	P-01840-67-0-1
P 859 gasket profile [1]	P 1840 extension 40	–	black	1	W-751018
[1] Order 1 P 859 gasket profile for each P 1840 extension 40.					



P 1918 extension 60

Length = 60 mm

Versions/order numbers					
Designation	For	Length [mm]	Finish	PU	Order no.
P 1918 extension 60	–	6700	EV 1 / light grey	1	P-01918-67-0-1
P 859 gasket profile [1]	P 1918 extension 60	–	black	1	W-751018
[1] Order 1 P 859 gasket profile for each P 1918 extension 60.					

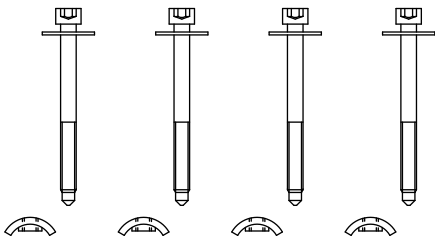


L&S corner connection parts, top – frame profile width 56 mm

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-10323-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

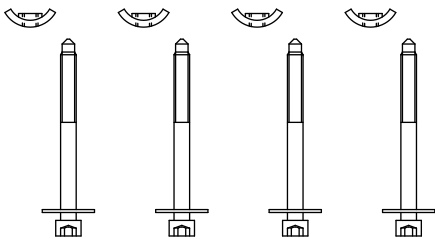


L&S corner connection parts, top – frame profile width 63 mm

Vertical door frame in relation to horizontal door frame

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, top	1	K-20315-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		



L&S corner connection parts, bottom

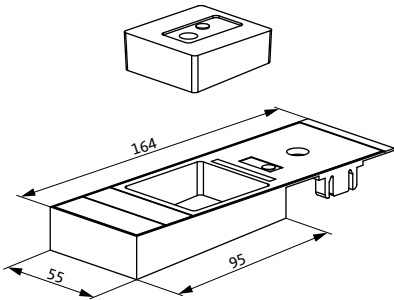
Threshold to door frame, vertical

Versions/order numbers

Designation	PU	Order no.
L&S corner connection parts, bottom	1	K-17870-00-0-1
Contains: 4 x segmental nut, 4 x washer, fixing screws		

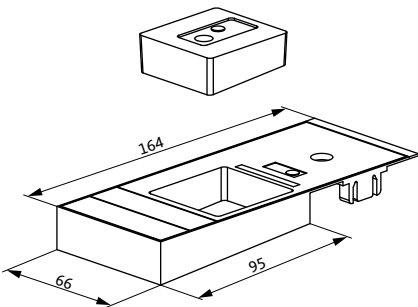
GU-timberstep 164 threshold

Corner connection parts



L&S gasket parts for 56 frame

Versions/order numbers		
Designation	PU	Order no.
L&S gasket parts for 56 frame	1	K-17384-56-0-6
Contains: 2 x gasket part, 2 x supporting plate		



L&S gasket parts for 67 frame

Versions/order numbers		
Designation	PU	Order no.
L&S gasket parts for 67 frame	1	K-17384-67-0-6
Contains: 2 x gasket part, 2 x supporting plate		



Anti-moisture foil

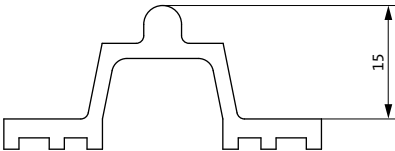
Versions/order numbers				
Designation	Length [m]	Colour	PU	Order no.
Anti-moisture foil	50	black	1	9-39737-25-0-6

Décor foil

Versions/order numbers					
Designation	Pattern	Length [m.]	Colour	PU	Order no.
Décor foil	D, F	10	brown	1	9-40858-00-0-5

Timber thresholds

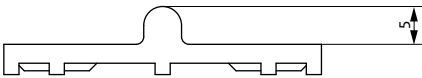
Screw-on roller tracks



Installation drawing 0-46012

Roller track, high P 432 – height dimension 15 mm screw-on type

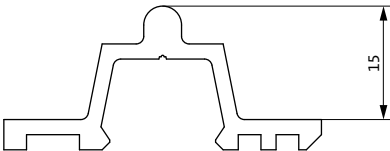
Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
Roller track, high P 432	6700	EV 1 / light grey	1	9-09547-67-0-1
		UC 5 / dark bronze	1	9-09547-67-0-5



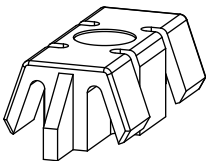
Installation drawing 0-46012

Roller track, high P 379 – height dimension 5 mm screw-on type

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
Roller track, low P 379	6700	EV 1 / light grey	1	9-08228-67-0-1
		UC 5 / dark bronze	1	9-08228-67-0-5



Installation drawing 0-46012

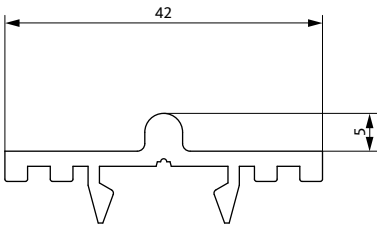


Fastening clip for roller track P 1542

Roller track, high P 1542 – height dimension 15 mm clip-on type

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
Roller track, high P 1542	6700	EV 1 / light grey	1	6-28781-67-0-1
Fastening clip for roller track, high P 1542		-	1	9-37558-00-0-0

Fastening clip: requirement depending on sash width			
SW [mm]	Piece(s)	SW [mm]	Piece(s)
- 1450	10	2201 – 2450	17
1451 – 1700	13	2451 – 2800	19
1701 – 1950	14	2801 – 3300	23
1951 – 2200	15		

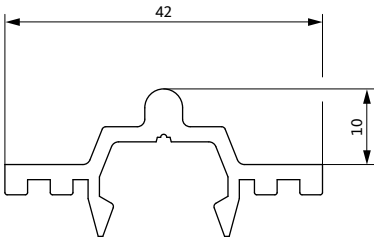


Installation drawing 0-46012

Roller track P 2040 – height dimension 5 mm
clip-on type

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
Roller track P 2040	6700	EV 1 / light grey	1	P-02040-67-0-1

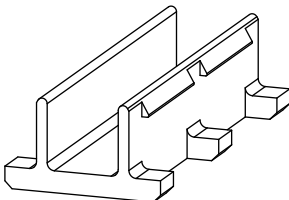


Installation drawing 0-46012

Roller track P 2039 – height dimension 10 mm
clip-on type

Versions/order numbers

Designation	Length [mm]	Finish	PU	Order no.
Roller track P 2039	6700	EV 1 / light grey	1	P-02039-67-0-1



Fastening clip for roller tracks P 2040 and P 2039

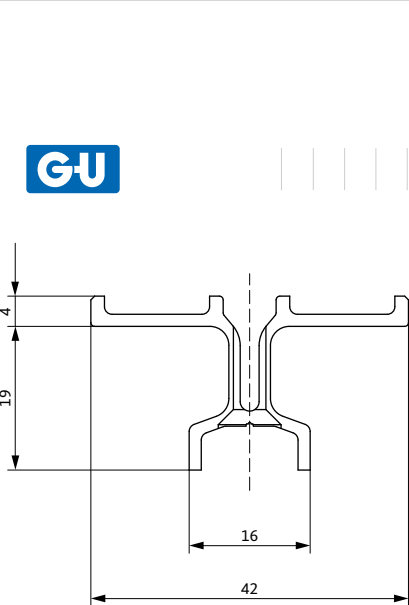
Versions/order numbers

Designation	Finish	PU	Order no.
Fastening clip	–	1	9-48703-00-0-0

3 fastening clips are necessary per metre of roller track.

P 1786 guide track

Guide track, accessories

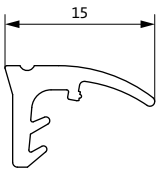


P 1786 guide track
for visible installation in the top door frame

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1786 guide track	2900	EV 1 / light grey	1	9-45094-30-0-1
		UC 5 / dark bronze	1	9-45094-30-0-5
	3400	EV 1 / light grey	1	9-45094-35-0-1
	3900	EV 1 / light grey	1	9-45094-40-0-1
		UC 5 / dark bronze	1	9-45094-40-0-5
	4400	EV 1 / light grey	1	9-45094-45-0-1
	4900	EV 1 / light grey	1	9-45094-50-0-1
		UC 5 / dark bronze	1	9-45094-50-0-5
	6600	EV 1 / light grey	1	9-45094-67-0-1
		UC 5 / dark bronze	1	9-45094-67-0-5
Hole spacing for fixing screws, every 300 mm symmetrical				

L&S accessories, guide P 1786

Versions/order numbers				
Designation	Roller track [mm]	PU	Finish	
			grey	black
L&S accessories, guide P 1786	4	1	K-17873-00-0-1	K-17873-00-0-6
Contains: 2 x guide, 1 x filler piece P 1786, 2 x rubber buffer, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track bb P 2209), 1 x bottom cover plate				
Designation	Roller track [mm]	PU	Finish	
			grey	black
L&S accessories, guide P 1786	5	1	K-17873-05-0-1	K-17873-05-0-6
Contains: 2 x guide, 1 x filler piece P 1786, 2 x rubber buffer, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track 5 P 1636), 1 x bottom cover plate				
Designation	Roller track [mm]	PU	Finish	
			grey	black
L&S accessories, guide P 1786	10	1	K-17873-10-0-1	K-17873-10-0-6
Contains: 2 x guide, 1 x filler piece P 1786, 2 x rubber buffer, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track 10 P 1659), 1 x bottom cover plate				
Designation	Roller track [mm]	PU	Finish	
			grey	black
L&S accessories, guide P 1786	15	1	K-17873-15-0-1	K-17873-15-0-6
Contains: 2 x guide, 1 x filler piece P 1786, 2 x rubber buffer, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track 15 P 1635), 1 x bottom cover plate				

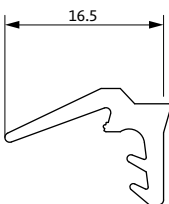


P 742 gasket profile (guide track)

For sealing at sliding sash, at top and horizontal

Required: 2 pcs; length = sash width -4 mm

Versions/order numbers				
Designation	Length [m]	Finish	PU	Order no.
P 742 gasket profile with silicone coating	100	grey	1	W751011-00-0-1
		black	1	W751011-00-0-6



P 1156 gasket profile (strip L)

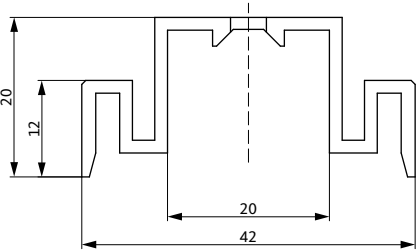
for sealing of passage area, horizontal at top

Required: 1 pc; length = sash width -2 mm

Versions/order numbers				
Designation	Length [m]	Finish	PU	Order no.
with silicone coating				
P 1156 gasket profile	100	grey	1	W751037-00-0-1
		black	1	W751037-00-0-6
without silicone coating				
P 1156 gasket profile	100	black	1	W751037-01-0-6

P 1849 / P 1850 guide tracks

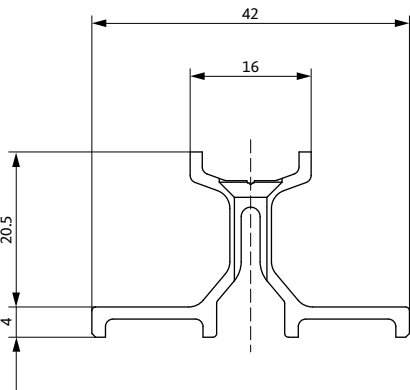
Guide tracks



P 1850 guide track

for concealed installation in the top door frame;
in combination with guide track P 1849

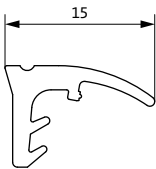
Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1850 guide track	2900	EV 1 / light grey	1	9-45931-30-0-1
	3900	EV 1 / light grey	1	9-45931-40-0-1
	4900	EV 1 / light grey	1	9-45931-50-0-1
	6600	EV 1 / light grey	1	9-45931-67-0-1
Hole spacing for fixing screws, every 300 mm symmetrical				



P 1849 guide track

for concealed installation in the sliding sash, at the top and horizontal;
in combination with the guide track P 1850

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1849 guide track	1500	EV 1 / light grey	1	9-45930-15-0-1
	2000	EV 1 / light grey	1	9-45930-20-0-1
	2500	EV 1 / light grey	1	9-45930-25-0-1
	3300	EV 1 / light grey	1	9-45930-33-0-1
	6600	EV 1 / light grey	1	9-45930-67-0-1
Hole spacing for fixing screws, every 300 mm symmetrical				

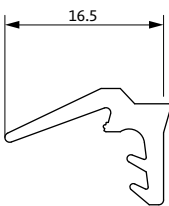


P 742 gasket profile (guide track)

for sealing in the P 1850 guide track at horizontal top

Required: 2 pcs; length = sash width -4 mm or
2 pcs optional; length = TFW

Versions/order numbers				
Designation	Length [m]	Finish	PU	Order no.
P 742 gasket profile with silicone coating	100	grey	1	W751011-00-0-1
		black	1	W751011-00-0-6



P 1156 gasket profile (strip L)

for sealing of passage area, horizontal at top

Required: 1 pc; length = sash width -2 mm

Versions/order numbers				
Designation	Length [m]	Finish	PU	Order no.
with silicone coating				
P 1156 gasket profile	100	grey	1	W751037-00-0-1
		black	1	W751037-00-0-6
without silicone coating				
P 1156 gasket profile	100	black	1	W751037-01-0-6

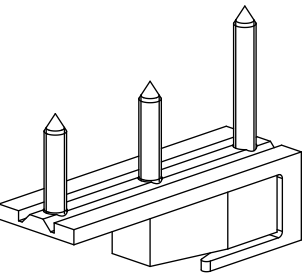
P 1850 guide track

Accessories



L&S accessories, guide P 1850

Versions/order numbers				
Designation	Roller track [mm]	PU	Finish	
			grey	black
L&S accessories, guide P 1850	4	1	K-17995-00-0-1	K-17995-00-0-6
Contains: 2 x guide, 1 x top filler piece, 2 x rubber buffer, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track bb P 2209), 1 x bottom cover plate				
Designation	Roller track [mm]	PU	Finish	
			grey	black
L&S accessories, guide P 1850	5	1	K-17995-05-0-1	K-17995-05-0-6
Contains: 2 x guide, 1 x top filler piece, 2 x rubber buffer, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track 5 P 1636), 1 x bottom cover plate				
Designation	Roller track [mm]	PU	Finish	
			grey	black
L&S accessories, guide P 1850	10	1	K-17995-10-0-1	K-17995-10-0-6
Contains: 2 x guide, 1 x top filler piece, 2 x rubber buffer, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track 10 P 1659), 1 x bottom cover plate				

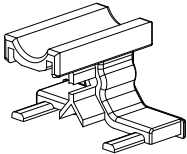


L&S damper P 1850

For fully concealed installation in the frame profile of the P 1850 guide track. With the L&S damper, it is possible to stop the sash in any position. This is particularly useful in asymmetrically divided elements.

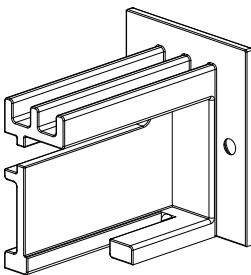
- Use with sash weights:
- up to 150 kg with standard bogie
 - 151–350 kg with standard bogie/Tandem bogie front
 - 351–400 kg with standard bogie/Tandem bogie front and rear

Versions/order numbers			
Designation	Finish	PU	Order no.
L&S damper P 1850	stainless steel	1	K-19027-00-0-0



Guide, concealed meeting stile P 1850
concealed; in combination with cover plate, bottom concealed

Versions/order numbers			
Designation	Finish	PU	Order no.
Guide, concealed meeting stile P 1850	light grey	1	9-49298-01-0-1
	black	1	9-49298-01-0-6



Cover plate, bottom concealed GU-934
concealed; in combination with guide, meeting stile concealed

Versions/order numbers				
Designation	Roller track	Finish	PU	Order no.
Cover plate, bottom concealed GU-934 Roller track	P 2209 (4 mm)	light grey	1	9-49299-00-0-1
		black	1	9-49299-00-0-6
	P 1659 (10 mm)	black	1	9-49299-01-0-6

P 2301 guide track

Guide track, accessories

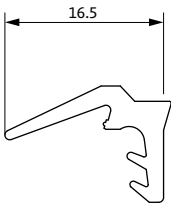


P 2301 guide track
for concealed installation in the top door frame
Required: 1 pc; length = total frame width

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 2301 guide track	3100	EV 1 / light grey	1	9-52435-30-0-1
	4100	EV 1 / light grey	1	9-52435-40-0-1
	5100	EV 1 / light grey	1	9-52435-50-0-1
	6700	EV 1 / light grey	1	9-52435-67-0-1

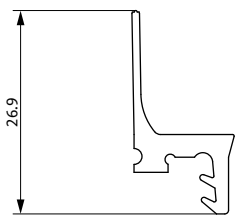
L&S accessories, guide P 2301

Versions/order numbers				
Designation	Roller track [mm]	PU	Finish	
			stainless steel/ grey	stainless steel/ black
L&S accessories, guide P 2301	4	1	K-21003-00-0-1	K-21003-00-0-6
Contains: 2 x guide, 1 x filler piece P 1786, 2 x rubber buffer, 1 x PC cover cap, 2 x groove packer, gaskets, 1 x bottom filler piece (for roller track bb P 2209), 1 x bottom cover plate				
Designation	Roller track [mm]	PU	Finish	
			stainless steel/ grey	stainless steel/ black
L&S accessories, guide P 2301	5	1	K-21003-05-0-1	K-21003-05-0-6
Contains: 2 x guide, 1 x filler piece P 1786, 2 x rubber buffer, 1 x PC cover cap, 2 x groove packer, gaskets, 1 x bottom filler piece (for roller track 5 P 1636), 1 x bottom cover plate				
Designation	Roller track [mm]	PU	Finish	
			stainless steel/ grey	stainless steel/ black
L&S accessories, guide P 2301	10	1	K-21003-10-0-1	K-21003-10-0-6
Contains: 2 x guide, 1 x filler piece P 1786, 2 x rubber buffer, 1 x PC cover cap, 2 x groove packer, gaskets, 1 x bottom filler piece (for roller track 10 P 1659), 1 x bottom cover plate				



P 1156 gasket profile (strip L)
for sealing of passage area, horizontal at top
Required: 1 pc; length = sash width -2 mm

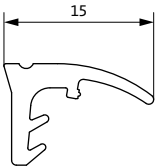
Versions/order numbers				
Designation	Length [m]	Finish	PU	Order no.
with silicone coating				
P 1156 gasket profile	100	grey	1	W751037-00-0-1
		black	1	W751037-00-0-6
without silicone coating				
P 1156 gasket profile	100	black	1	W751037-01-0-6



P 2322 gasket profile
for sealing at the sash horizontally at the top
Required: 1 pc; length = sash width

Ausführungen/Bestellnummern				
Designation	Length [m]	Finish	PU	Order no.
without silicone coating				
P 2322 gasket profile	100	black	1	P-02322-01-0-6

Gasket profiles

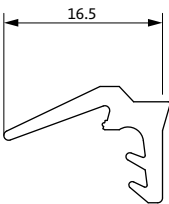


P 742 gasket profile (guide track)

for sealing at top of sliding sash, horizontal in relation to the guide track

Required: 2 pcs; length = sash width -4 mm

Versions/order numbers				
Designation	Length [m]	Finish	PU	Order no.
P 742 gasket profile with silicone coating	100	grey	1	W751011-00-0-1
		black	1	W751011-00-0-6

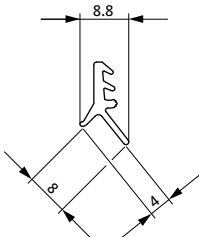


P 1156 gasket profile (strip L)

for sealing of passage area, horizontal at top

Required: 1 pc; length = sash width -2 mm

Versions/order numbers				
Designation	Length [m]	Finish	PU	Order no.
with silicone coating				
P 1156 gasket profile	100	grey	1	W751037-00-0-1
		black	1	W751037-00-0-6
without silicone coating				
P 1156 gasket profile	100	black	1	W751037-01-0-6



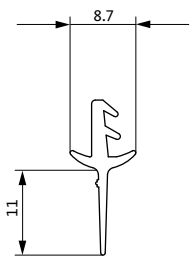
P 743 gasket

for sealing at vertical meeting stile
Required: 2 pcs; length = sash height -20 mm

Pattern G1: instead of the gasket corner at bottom horizontal
Required: 2 pcs; length = sash width

Pattern C: for the passive sash at bottom horizontal
Required: 2 pcs; length = sash width

Versions/order numbers				
Designation	Length [m]	Finish	PU	Order no.
with silicone coating				
P 743 gasket	100	grey	1	W751012-00-0-1
	20	black	1	W751012-00-0-6
without silicone coating				
P 743 gasket	100	grey	1	W751012-01-0-1



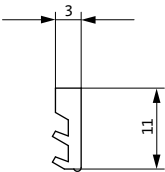
P 1483 gasket profile

for sealing at the door frame, vertical (in the cover strip W) in relation to the sliding sash, in the version with L&S night vent module

Required: 1 pc; length = sash height -6 mm

Versions/order numbers				
Designation	Length [m]	Finish	PU	Order no.
P 1483 gasket profile	100	light grey	1	W751048-00-0-1

Gasket profiles

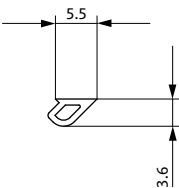


P 859 gasket profile

for sealing the profile extensions in relation to the threshold/to the drip rail

Required: 1 pc; length = total frame width

Versions/order numbers				
Designation	Length [m]	Finish	PU	Order no.
P 859 gasket	100	black	1	W-751018



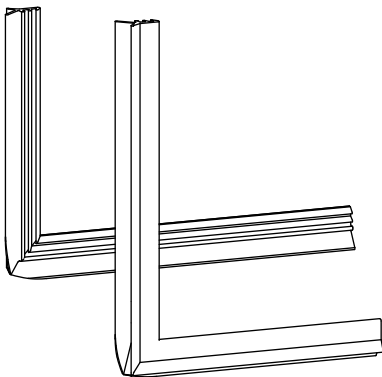
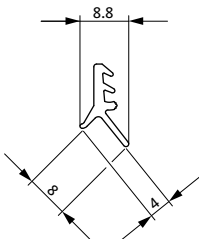
P 1645 gasket

for sealing the groove between the GU-thermostep threshold and the attachment track-2 for patterns D, E, F, L

Required: 1 pc; length = ½ total frame width

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
P 1645 gasket	3350	black	1	9-39736-33-0-6

Application: if a drip rail is not used in the passage area with pattern D, E, F, L the gasket profile P 1645 is used for sealing the clip groove in the drip rail of the GU-thermostep threshold in the area of the outer sash.



P 743 gasket corner

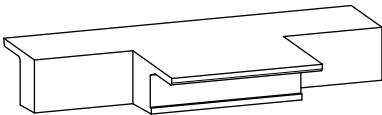
for sealing in sliding sash, vertical and bottom horizontal

Required: 2 pcs; length = sash width -4 mm

Versions/order numbers				
Designation	Length [mm]	Finish	PU	Order no.
with silicone coating				
P 743 gasket corner	2500	grey	1	9-26729-25-0-1
		black	1	9-26729-25-0-6
	3500	grey	1	9-26729-35-0-1
		black	1	9-26729-35-0-6
without silicone coating				
P 743 gasket corner	2500	grey	1	9-26729-26-0-1
		black	1	9-26729-26-0-6

Gasket plates

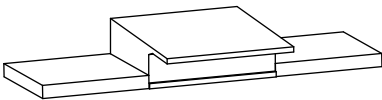
for sealing in the area of the meeting stile



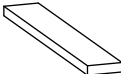
Gasket plate for meeting stile – sash thickness 56 mm

for GU-thermostep 164
for sealing under the meeting stile strips

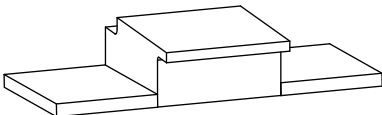
Versions/order numbers				
Designation	Pattern	Finish	PU	Order no.
Gasket plate for meeting stile	A, C, D, F, G2, K	black	1	9-44980-01-0-6



Gasket plate for meeting stile 9-43654-00-0-6



Gasket strip for meeting stile / fixed-glazed sash
9-47445-00-0-6

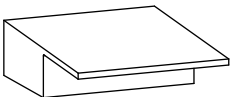


Gasket plate for meeting stile 9-43970-00-0-6

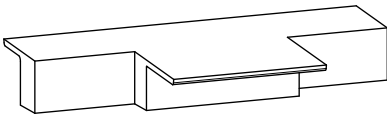
Gasket plates for meeting stile – sash thickness 68 mm

for GU-thermostep 164
for sealing under the meeting stile strips

Versions/order numbers				
Designation	Pattern	Finish	PU	Order no.
Gasket plate for meeting stile	A, C, D, G1, G2, K	black	1	9-43654-00-0-6
Gasket strip, meeting stile / fixed-glazed sash	A, C, G1, G2, K	black	1	9-47445-00-0-6
Gasket plate for meeting stile	E, L	black	1	9-43970-00-0-6



Gasket plate for meeting stile 9-45578-00-0-6

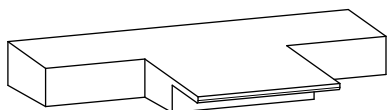


Gasket plate for meeting stile 9-45851-68-0-6

Gasket plates for meeting stile – sash thickness 56/68 mm

for GU-threshold 47
for GU-timberstep 164
for GU-flatstep 222
for sealing under the meeting stile strips

Versions/order numbers				
Designation	Pattern	Finish	PU	Order no.
Gasket plate for meeting stile	A, C, G1, G2, K	black	1	9-45578-00-0-6
Gasket plate for meeting stile	D, F	black	1	9-45851-68-0-6



Gasket plates for meeting stile – sash thickness 78 mm

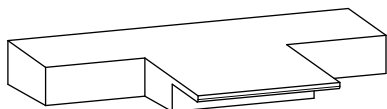
for GU-thermostep 204

for GU-timberstep 204

for sealing under the meeting stile strips

Versions/order numbers

Designation	Pattern	Finish	PU	Order no.
Gasket plate for meeting stile	A, C, D, G1, G2, K	black	1	9-48015-01-0-6
Gasket strip, meeting stile / fixed-glazed sash	A, C, G1, G2, K	black	1	9-48016-00-0-6
	D	black	1	9-48016-01-0-6



Gasket plates for meeting stile – sash thickness 88, 90, 92 mm

for GU-thermostep 204

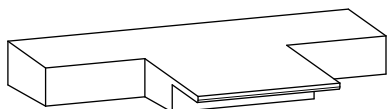
for GU-timberstep 204

for GU-flatstep 222

for sealing under the meeting stile strips

Versions/order numbers

Designation	Pattern	Finish	PU	Order no.
Gasket plate for meeting stile	A, C, D, G1, G2, K	black	1	9-48015-00-0-6
Gasket strip, meeting stile / fixed-glazed sash	A, C, G1, G2, K	black	1	9-48016-00-0-6
	D	black	1	9-48016-01-0-6



Gasket plates for meeting stile – sash thickness 110 mm

for GU-thermostep 204

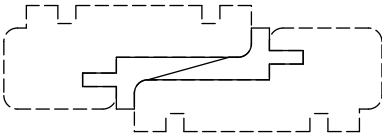
for sealing under the meeting stile strips

Versions/order numbers

Designation	Pattern	Finish	PU	Order no.
Gasket plate for meeting stile	A, C, D, G1, G2, K	black	1	9-48015-02-0-6
Gasket strip, meeting stile / fixed-glazed sash	A, C, G1, G2, K	black	1	9-48016-00-0-6
	D	black	1	9-48016-01-0-6

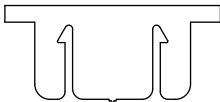
Gasket plates

for sealing in the area of the meeting stile



L&S accessories, meeting stile
for sealing between the meeting stile strips, at top vertical
1 pc required per meeting stile strip

Versions/order numbers					
Designation	SD [mm]	ST [mm]	Finish	PU	Order no.
L&S accessories, meeting stile	28	56, 68, 78, 88	black	1	K-18432-28-0-1
	25	90	black	1	K-18432-25-0-1
	22	92, 110	black	1	K-18432-22-0-1
Contains: 2 x meeting stile gaskets					



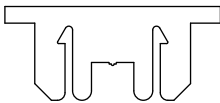
Gasket plate for the roller track groove of the GU-thermostep threshold 164 / 204

for sealing the roller track groove of the inner sliding sash to the door frames

2 pcs required per roller track groove

Note: grease slightly to make installation easier

Versions/order numbers			
Designation	Finish	PU	Order no.
Gasket plate GU-thermostep 164/204	black	1	9-46553-00-0-6



Gasket plate for the roller track groove of the attachment track

for sealing under the roller track in pattern D

2 pcs required per roller track groove

Versions/order numbers			
Designation	Finish	PU	Order no.
Gasket plate for attachment track	grey	1	9-46557-00-0-1



Gasket plate for roller track 10 mm



Gasket plate for roller track 15 mm

Gasket plate for the roller track on the attachment track

for sealing the roller track in pattern D in the external area

Required: Roller track 10 mm / 15 mm = 1 pc per roller track
 Roller track 4 mm = not required

Versions/order numbers				
Designation	Roller track height [mm]	Finish	PU	Order no.
Gasket plate	10	grey	1	9-44739-10-0-1
	15	grey	1	9-44739-15-0-1

Gasket plates

for interior/exterior turn handle, flush pull



Gasket plate for exterior and interior turn handle

The optional gasket plate which is universally applicable for all handle models provides increased tightness, especially in Blower Door Tests. The profile cylinder insert is removable so the gasket ensures optimal sealing for all handle variants.

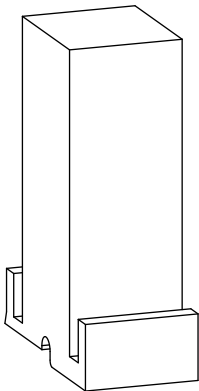
Versions/order numbers			
Designation	Finish	PU	Order no.
Gasket plate for turn handle	black	1	9-47210-01-0-6



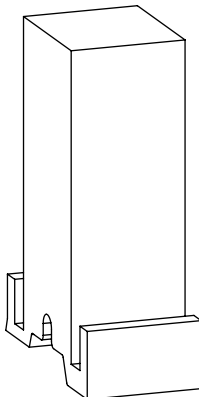
Gasket plate for flush pull

The optional gasket plate which is universally applicable for all flush pulls provides increased tightness, especially in Blower Door Tests. The adaptable gasket plate ensures optimal sealing for all flush pull models.

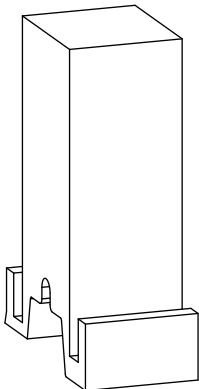
Versions/order numbers			
Designation	Finish	PU	Order no.
Gasket plate for flush pull	black	1	9-47211-01-0-6



Gasket pad for bogie groove 5 mm



Gasket pad for bogie groove 10 mm



Gasket pad for bogie groove 15 mm

Gasket pad for bogie groove GU-934

for sealing the bogie groove of the outer sliding sash with patterns D, E or L

1 pc required per sliding sash

Versions/order numbers				
Designation	Roller track height [mm]	Finish	PU	Order no.
Gasket pads	5	black	1	9-44979-05-0-1
	10	black	1	9-44979-10-0-1
	15	black	1	9-44979-15-0-1

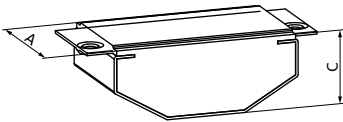
Gasket pad for bogie groove GU-937

for sealing the bogie groove of the outer sliding sash with patterns D, E or L

1 pc required per sliding sash

Versions/order numbers				
Designation	Roller track height [mm]	Finish	PU	Order no.
Gasket pads	5	black	1	9-45105-05-0-1
	10	black	1	9-45105-10-0-1
	15	black	1	9-45105-15-0-1

Bridging gaskets



Bridging gaskets

Note: the installation position depends on the system

Versions/order numbers				
Designation	Dimension A [mm]	Dimension C [mm]	PU	Order no.
Bridging gaskets	43	27	1	6-22154-01-0-0
	60	27	1	6-22154-02-0-0
	78	27	1	6-22154-03-0-0
	95	27	1	6-22154-04-0-0
	55	27	1	6-22154-05-0-0
	67	27	1	6-22154-06-0-0
	78	18	1	6-22154-07-0-0
	30	27	1	6-22154-08-0-0
	29	14	1	6-22154-09-0-0
	52	13	1	6-22154-10-0-0
	38	22	1	6-22154-11-0-0
	63	18	1	6-22154-12-0-0
	27	22	1	6-22154-13-0-0
	52	30	1	6-22154-14-0-0
	39	18	1	6-22154-15-0-0
	34	31	1	6-22154-17-0-0
	28	31	1	6-22154-18-0-0
	85	13	1	6-22154-19-0-0
	39	18	1	6-22154-20-0-0
	24	27	1	6-22154-21-0-0
	27	27	1	6-22154-22-0-0
	28	18	1	6-22154-23-0-0
	43	17	1	6-22154-24-0-0
	84	17	1	6-22154-25-0-0
	63	13	1	6-22154-26-0-0
	95	13	1	6-22154-27-0-0
	70	8	1	6-22154-28-0-0
	110	8	1	6-22154-29-0-0
	75	8	1	6-22154-30-0-0
	70	27	1	6-22154-31-0-0
	82	27	1	6-22154-32-0-0
	21	24	1	6-22154-34-0-0
	75	17	1	6-22154-35-0-0
	90	18	1	6-22154-36-0-0
	63	18	1	6-22154-37-0-0
	61	12	1	6-22154-39-0-0
	56	27	1	6-22154-41-0-0
	64	27	1	6-22154-42-0-0
	80	27	1	6-22154-43-0-0
	69	17	1	6-22154-44-0-0
	51	17	1	6-22154-45-0-0
	59	17	1	6-22154-46-0-0
	41	17	1	6-22154-47-0-0
	54	17	1	6-22154-48-0-0



Alternative: gasket plate with self-adhesive film
when using the top guide track P 1786

Versions/order numbers					
Designation	Width [mm]	Height [mm]	Depth [mm]	PU	Order no.
Gasket plate with self-adhesive film	74	4	30	1	9-43687-05-0-6



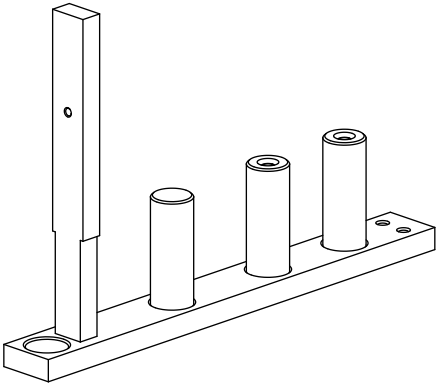
4.0 Drilling jigs and auxiliary tools

Drilling jigs and milling jigs	340
Mounting tools	347



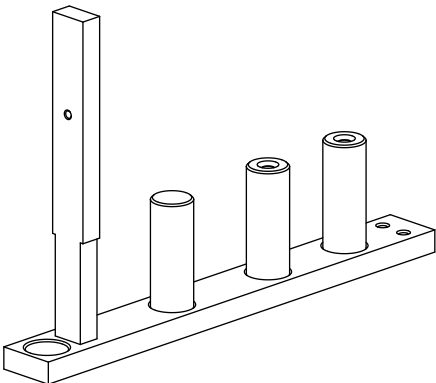
Drilling jigs

for installation of the bogie GU-934 / GU-937



Drilling jig for installation of the bogie GU-934

Versions/order numbers			
Designation	Application	PU	Order no.
Drilling jig for installation of the bogie	GU-934	1	6-39690-01-0-0
	GU-934 Tandem	1	K-19878-01-0-0

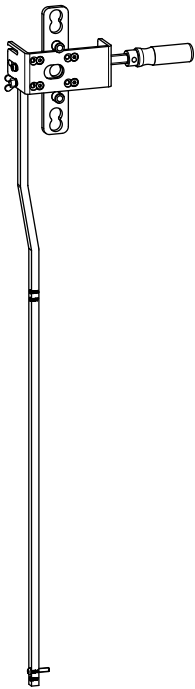


Drilling jig for installation of the bogie GU-937

Versions/order numbers			
Designation	Application	PU	Order no.
Drilling jig for installation of the bogie	GU-937	1	6-39690-02-0-0
	GU-937 Tandem	1	K-19878-02-0-0

Milling jig, drilling jig

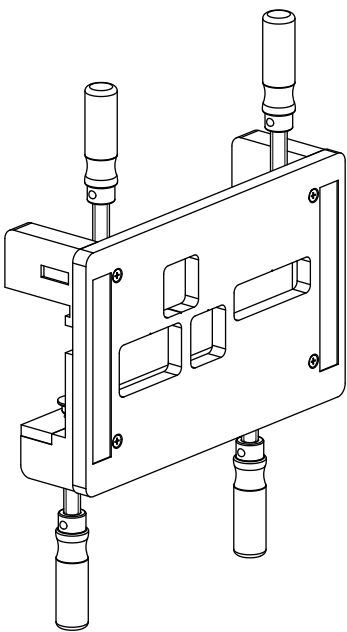
for the installation of turn handles
for the installation of flush pull and centre-closer



Drilling jig for the installation of turn handles

Non-handed
For timber profiles

Versions/order numbers			
Designation	Application	PU	Order no.
Drilling jig for the installation of turn handles	Hardware installation	1	6-35524-00-0-1



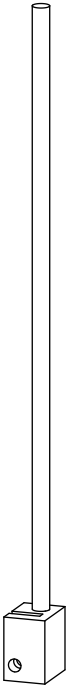
Milling jig for flush pull and centre-closer

Versions/order numbers			
Designation	Application	PU	Order no.
Milling jig for flush pull/centre-closer	Hardware installation	1	6-35035-00-0-0

Installation drawing 0-45384

Drilling jig

for installation of the L&S handle damper



Drilling jig for L&S handle damper

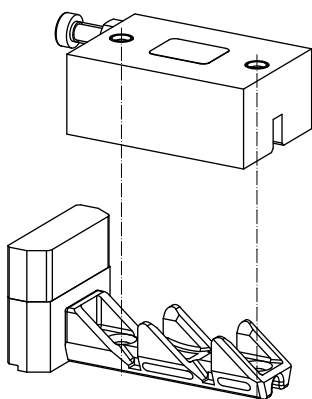
Versions/order numbers			
Designation	Application	PU	Order no.
Drilling jig for L&S handle damper [1]	Hardware installation	1	6-37928-01-0-1
[1] Required for retrofitting on all Lift&Slide gears installed before July 2014.			

Installation drawing 0-46862

Drilling jigs



for installation of the bottom keeper
for installation of the anti-jemmy device

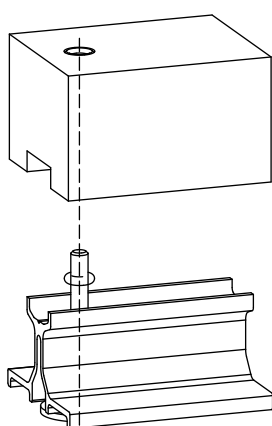


Drilling jig for the installation of the bottom keeper

Non-handed

Versions/order numbers

Designation	Application	PU	Order no.
Drilling jig for the installation of the bottom keeper	Hardware installation	1	6-34129-00-0-0



Drilling jig for the installation of the anti-jemmy device

with guide track P 1850

for the bore holes of the sash-side P 1849 guide track

Versions/order numbers

Designation	Application	PU	Order no.
Drilling jig for the installation of the anti-jemmy device	Hardware installation	1	6-35613-00-0-0

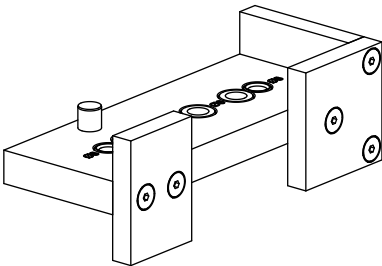
Installation drawing 0-47330

The specified installation drawing represents the documentation status up to May 2021.

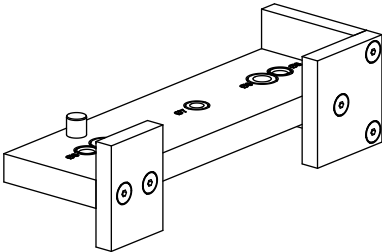
Please use the documentation 0-48888 (P 1850). You can find more detailed information on page 10 / 11.

Drilling jigs

for the frame corner connection to the bottom threshold



Drilling jig 6-37324-01

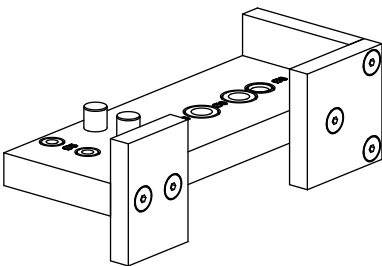


Drilling jig 6-37324-02

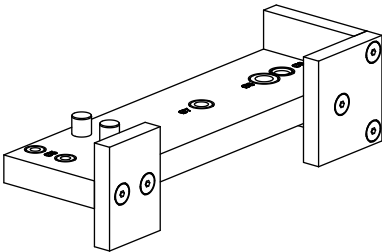
Drilling jig for the frame corner connection

Bore holes for the corner connection to the threshold

Versions/order numbers				
Designation	FW [mm]	ST [mm]	PU	Order no.
Drilling jig Threshold-to-frame connection	56	56, 68	1	6-37324-01-0-0
	56	78–110	1	6-37324-04-0-0
	63	78–110	1	6-37324-02-0-0



Drilling jig 6-37365-01

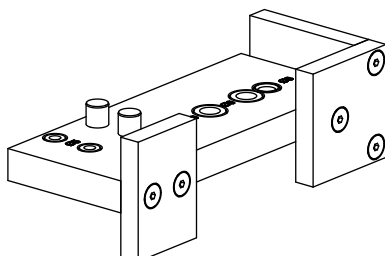


Drilling jig 6-37365-02

Drilling jig for the frame corner connection when installing the L&S night vent module

Bore holes for the corner connection to the threshold for frame widths of 63 mm

Versions/order numbers			
Designation	for threshold	PU	Order no.
Drilling jig for frame corner connection when installing the L&S night vent module	GU-thermostep 164	1	6-37365-01-0-0
	GU-thermostep 204	1	6-37365-02-0-0

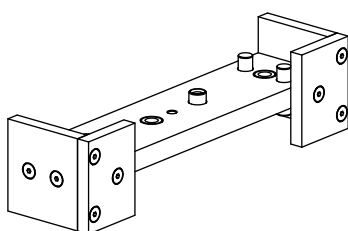


Drilling jig for the frame corner connection when installing the L&S night vent module

Bore holes for the corner connection to the threshold for frame widths of 68 mm

Versions/order numbers

Designation	for threshold	PU	Order no.
Drilling jig for frame corner connection when installing the L&S night vent module	GU-thermostep 164	1	6-37365-03-0-0



Drilling jig for the frame corner connection

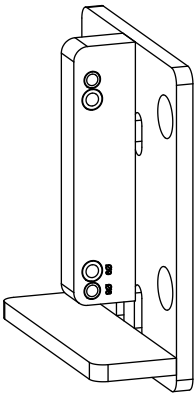
Bore holes for the corner connection to the threshold
Patterns E and L – sash thicknesses 68 and 78 mm

Versions/order numbers

Designation	for threshold	PU	Order no.
Drilling jig for frame corner connection Patterns E and L	GU-thermostep 164	1	6-36086-00-0-0

Drilling jigs

for the frame corner connection to the top door frame



Drilling jig for the frame corner connection

Bore holes for the corner connection to the top door frame

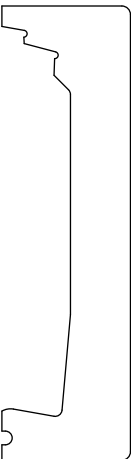
Versions/order numbers				
Designation	FW [mm]	ST [mm]	PU	Order no.
Drilling jig for frame corner connection	56	56	1	6-22615-00-0-0
	56	68	1	6-36129-68-0-0
	63	78	1	6-36129-78-0-0
	63	88	1	6-36129-88-0-0
	63	90	1	6-36129-90-0-0
	63	92	1	6-36129-92-0-0
	63	110	1	6-36129-11-0-0
Drilling jig for frame corner connection Patterns E and L	63	68, 78	1	6-36129-01-0-0



Installation aid GU-thermostep 164

For the installation of the drip rail

Versions/order numbers			
Designation	ST [mm]	PU	Order no.
Installation aid for drip rail GU-thermostep 164	56, 68	1	9-40563-00-0-0



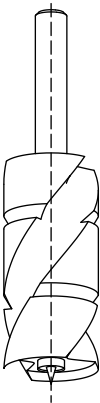
Installation aid GU-thermostep 164

For the installation of the drip rail

Versions/order numbers			
Designation	ST [mm]	PU	Order no.
Installation aid for drip rail GU-thermostep 164	78, 88, 90, 92	1	9-46742-00-0-0

Mounting tools

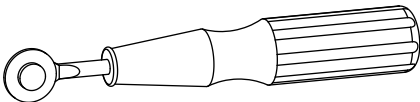
Drill, gasket roller



Drill with centring tip for the frame corner connection

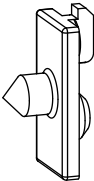
Bore holes for the corner connection to the top door frame

Versions/order numbers			
Designation	ST [mm]	PU	Order no.
Drill with centring tip for the door frame corner connection	56, 68, 78, 88, 90, 92, 110	1	9-30161-00-0-0



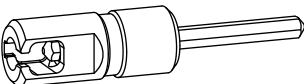
Gasket roller tool

Versions/order numbers			
Designation	Application	PU	Order no.
Gasket roller tool	Hardware installation	1	9-37464-00-0-0



Centre punch for the installation of the frame cams

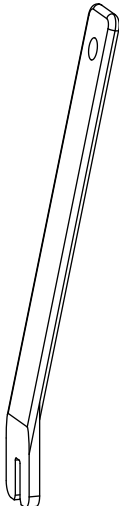
Versions/order numbers				
Designation	For frame cams	Centre punch length [mm]	PU	Order no.
Centre punch for the installation of the frame cams	1, 1/S – pattern A	12	1	9-25082-00-0-0
	2/14 – pattern C	12	1	9-27315-00-0-0
	2/14 – pattern C	31	1	6-33500-00-0-0



Frame cam screw attachment

Mounting tools for frame cams

Versions/order numbers			
Designation	For frame cams	PU	Order no.
Wrench	1, 1/S	1	9-24896-00-0-1
Frame cam screw attachment for cordless screwdrivers, size 19	1, 1/S	1	6-31858-00-0-1



Wrench



5.1 Additional kit – comfort



HS LiftUnit	354
Barrier-free threshold	362
HS ePOWER motor-driven drive	368
HS ePOWER motor-driven drive – retrofit kit	373
HS Master motor-driven drive	374
Tension spring	380
L&S handle damper	381
Barrier freedom with regard to operation of the handle	382

5.2 Additional kit – burglary



Electronic security	388
Mechanical security	389

5.3 Additional kit – operation



HS SilentClose / HS StopUnit	398
HS SpeedLimiter	400

5.4 Additional kit – ventilation



L&S night ventilation	404
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5.5 Additional kit – design



Lift&Slide elements with panoramic glazing	410
Lift&Slide elements with floor-to-ceiling panoramic glazing	414
Lift&Slide elements with fixed sidelight	418
Concealed guide track P 1850	426
Concealed guide track P 2301	427
Lift&Slide turn handles in special design	428

Uncompromising comfort

COMFORT

MAXIMISED



As inventor and leading specialist partner for Lift&Slide hardware, Gretsch-Unitas has built a formidable reputation as provider of technically optimised solutions, many of which are unique on the market. The expertise and innovative technical prowess of Gretsch-Unitas has a proven track record in effectively responding to the increasing demands in relation to user friendliness of Lift&Slide systems.

Lift&Slide elements are exceptionally easy to access and use in combination with Gretsch-Unitas hardware. They are impressive because all parts are perfectly harmonised which ensures via the interaction of all components smooth operation and unparalleled comfort for users and door/window fabricators. Barrier-free versions are of course also available.

ACCESS COMFORT

- 1 Makes light work of lifting heavy sashes
HS LiftUnit
- 2 Universal threshold solution for added convenience
Barrier-free threshold

Exclusively
available only from
Gretsch-Unitas

- 3 Elegant, comfortable and barrier-free
HS ePOWER motor-driven drive
- 4 Added comfort which is easy to retrofit
HS Master motor-driven drive

Exclusively
available only from
Gretsch-Unitas



EASY OPERATION

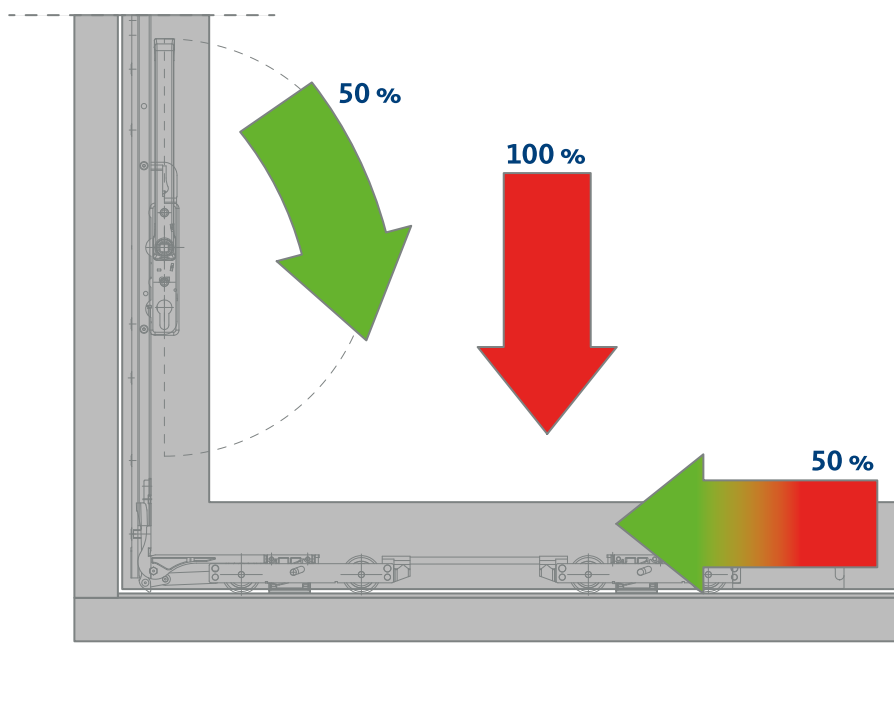
- 5 For rebound-free, controlled lowering of the sash
Handle damper
- 6 Reduces the operating force at the turn handle
Tension spring in Lift&Slide gear
- 7 Tight controlled closing, also for light window sashes
Lowering safeguard
- 8 Barrier-free in handle area
Extended RONDO handle 400 mm
- 9 Moving large elements with the greatest of ease
Lift&Slide bogies

HS LiftUnit

Important notes and range of application



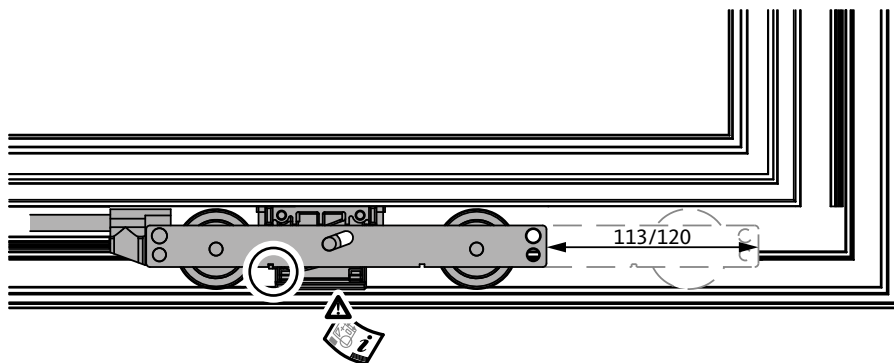
Functional principle



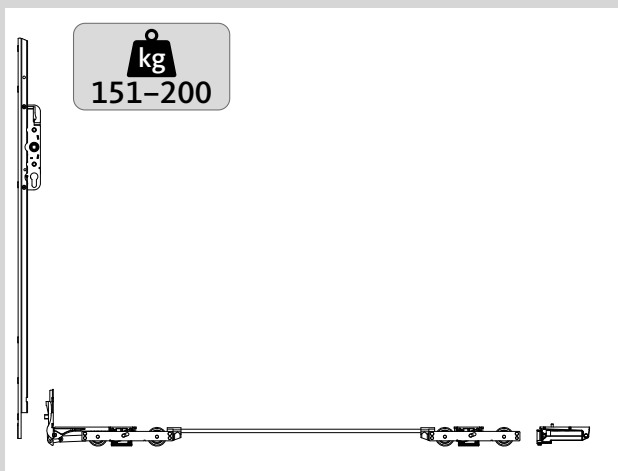
Thanks to the HS LiftUnit, operation of the Lift&Slide door is comfortable and simple, as the operating forces have been noticeably reduced

Notes

- The HS LiftUnit can be installed in any Lift&Slide system
 - with bogie
 - GU-934 / GU-937 / GU-937 N22
 - with hardware groove of min. 22 mm
- Suitable for all customary sash arrangement patterns
- Delivery includes installation instructions 0-48605 (GU-934) / 0-48807 (GU-937)



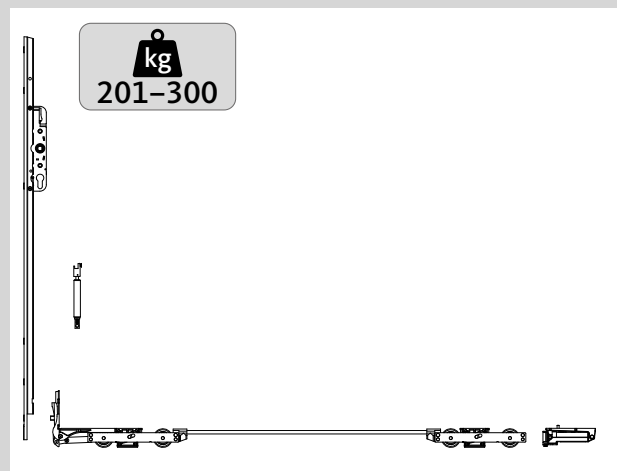
The rear bogie's position is moved towards the sash centre by 113 mm (GU-934) / 120 mm (GU-937)



kg
151–200

Hardware requirements

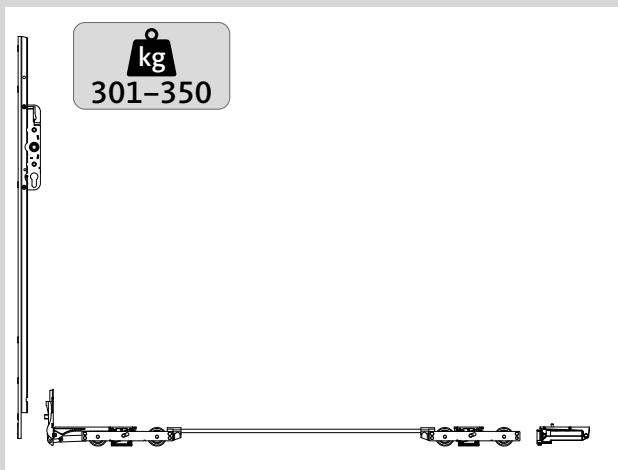
- 1 x Lift&Slide gear
- 1 x L&S bogie GU-934
- 1 x HS LiftUnit Standard



kg
201–300

Hardware requirements

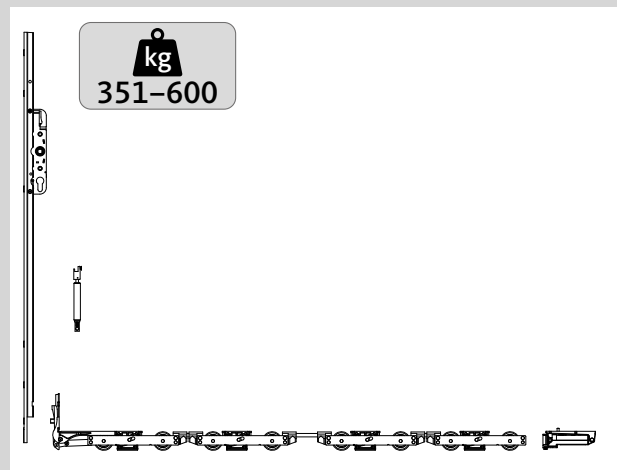
- 1 x Lift&Slide gear
- 1 x L&S handle damper
- 1 x L&S bogie GU-934
- 1 x HS LiftUnit Standard



kg
301–350

Hardware requirements

- 1 x Lift&Slide gear
- 1 x L&S bogie GU-934
- 1 x HS LiftUnit heavy



kg
351–600

Hardware requirements

- 1 x Lift&Slide gear
- 1 x L&S handle damper
- 1 x L&S bogie GU-934
- 1 x L&S tandem bogie GU-934
- 1 x HS LiftUnit heavy

The standard application range for the GU-934 bogie remains the same.
GU-934 bogie up to 350 kg / GU-934 tandem bogie up to 400 kg.

Sash weights exceeding 400 kg are only possible when using the HS LiftUnit.

Therefore please pay attention to the GU installation instructions as well as to the processing guidelines of the system provider.

HS LiftUnit GU-934

Order information



Application range 151–200 kg

Hardware requirements			
Designation	Finish	PU	Order no.
L&S bogie GU-934	ferGUard	1	K-16488-00-0-1
	faceGUard	1	K-16488-00-0-18
HS LiftUnit Standard GU-934	EV 1 / light grey	1	K-19877-01-0-1
Drilling jig for HS LiftUnit	–	1	K-20067-00-0-0
The Lift&Slide gear must be selected for the specific system. You can find the corresponding order information on pages 216–218.			

Application range 201–300 kg

Hardware requirements			
Designation	Finish	PU	Order no.
L&S bogie GU-934	ferGUard	1	K-16488-00-0-1
	faceGUard	1	K-16488-00-0-18
L&S handle damper	black	1	K-19053-00-0-6
HS LiftUnit Standard GU-934	EV 1 / light grey	1	K-19877-01-0-1
Drilling jig for HS LiftUnit	–	1	K-20067-00-0-0
The Lift&Slide gear must be selected for the specific system. You can find the corresponding order information on pages 216–218.			



Application range 301–350 kg

Hardware requirements			
Designation	Finish	PU	Order no.
L&S bogie GU-934	ferGUard	1	K-16488-00-0-1
	faceGUard	1	K-16488-00-0-18
HS LiftUnit Heavy GU-934	EV 1 / light grey	1	K-19877-00-0-1
Drilling jig for HS LiftUnit	–	1	K-20067-00-0-0

The Lift&Slide gear must be selected for the specific system. You can find the corresponding order information on pages 216–218.

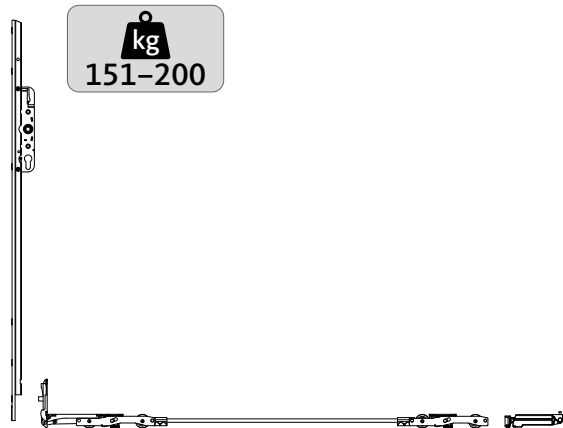
Application range 351–600 kg

Hardware requirements			
Designation	Finish	PU	Order no.
L&S bogie GU-934	ferGUard	1	K-16488-00-0-1
	faceGUard	1	K-16488-00-0-18
L&S tandem bogie GU-934	ferGUard	1	K-17804-01-0-1
	faceGUard	1	K-17804-01-0-18
L&S handle damper	black	1	K-19053-00-0-6
HS LiftUnit Heavy GU-934	EV 1 / light grey	1	K-19877-00-0-1
Drilling jig for HS LiftUnit	–	1	K-20067-00-0-0

The Lift&Slide gear must be selected for the specific system. You can find the corresponding order information on pages 216–218.

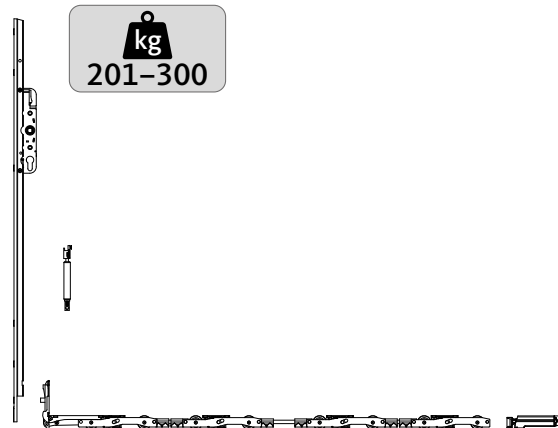
HS LiftUnit GU-937

Important notes and range of application



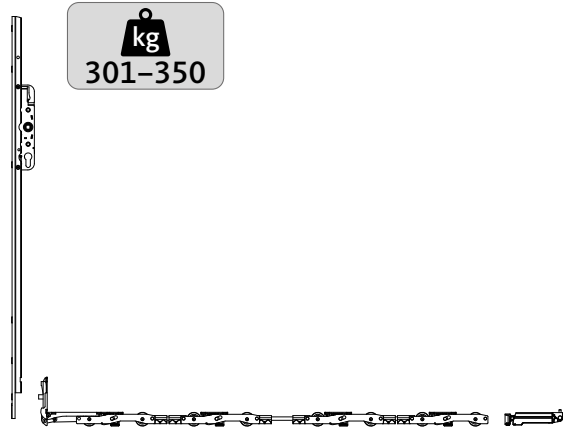
Hardware requirements

- 1 x Lift&Slide gear
- 1 x L&S bogie GU-937
- 1 x HS LiftUnit Standard



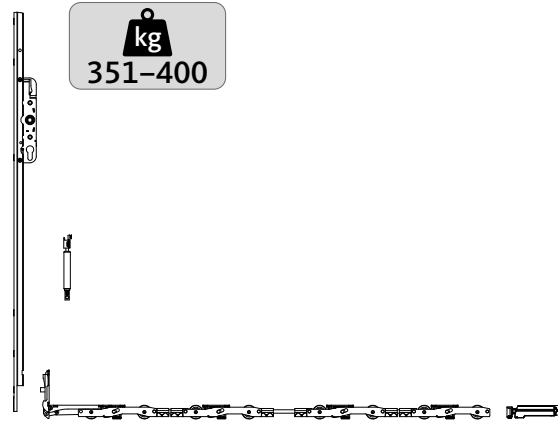
Hardware requirements

- 1 x Lift&Slide gear
- 1 x L&S handle damper
- 1 x L&S bogie GU-937
- 1 x L&S tandem bogie GU-937
- 1 x HS LiftUnit Standard



Hardware requirements

- 1 x Lift&Slide gear
- 1 x L&S bogie GU-937
- 1 x L&S tandem bogie GU-937
- 1 x HS LiftUnit heavy



Hardware requirements

- 1 x Lift&Slide gear
- 1 x L&S handle damper
- 1 x L&S bogie GU-937
- 1 x L&S tandem bogie GU-937
- 1 x HS LiftUnit heavy

The standard application range for the GU-937 bogie remains the same.

GU-937 bogie up to 200 kg / GU-937 tandem bogie up to 400 kg.

Therefore please pay attention to the GU installation instructions as well as to the processing guidelines of the system provider.



Application range 151–200 kg

Hardware requirements				
Designation	Finish	PU	Order no.	
			GU-937	GU-937 N22
L&S bogie GU-937 / GU-937 N22	ferGUard	1	K-16493-00-0-1	K-20207-01-0-1
	faceGUard	1	K-16493-00-0-18	–
HS LiftUnit Standard GU-937	EV 1 / light grey	1	K-20186-01-0-1	K-20186-01-0-1
Drilling jig for HS LiftUnit	–	1	K-20236-00-0-0	K-20901-00-0-0

The Lift&Slide gear must be selected for the specific system. You can find the corresponding order information on pages 216–218.

Application range 201–300 kg

Hardware requirements				
Designation	Finish	PU	Order no.	
			GU-937	GU-937 N22
L&S bogie GU-937 / GU-937 N22	ferGUard	1	K-16493-00-0-1	K-20207-01-0-1
	faceGUard	1	K-16493-00-0-18	–
L&S tandem bogie GU-937	ferGUard	1	K-17759-01-0-1	K-17759-03-0-1
	faceGUard	1	K-17759-01-0-18	–
L&S handle damper	black	1	K-19053-00-0-6	K-19053-00-0-6
HS LiftUnit Standard GU-937	EV 1 / light grey	1	K-20186-01-0-1	K-20186-01-0-1
Drilling jig for HS LiftUnit	–	1	K-20236-00-0-0	K-20901-00-0-0

The Lift&Slide gear must be selected for the specific system. You can find the corresponding order information on pages 216–218.

HS LiftUnit GU-937

Order information



Application range 301–350 kg

Hardware requirements				
Designation	Finish	PU	Order no.	
			GU-937	GU-937 N22
L&S bogie GU-937 / GU-937 N22	ferGUard	1	K-16493-00-0-1	K-20207-01-0-1
	faceGUard	1	K-16493-00-0-18	–
L&S tandem bogie GU-937	ferGUard	1	K-17759-01-0-1	K-17759-03-0-1
	faceGUard	1	K-17759-01-0-18	–
HS LiftUnit Heavy GU-937	EV 1 / light grey	1	K-20186-00-0-1	K-20186-00-0-1
Drilling jig for HS LiftUnit	–	1	K-20236-00-0-0	K-20901-00-0-0
The Lift&Slide gear must be selected for the specific system. You can find the corresponding order information on pages 216–218.				

Application range 351–400 kg

Hardware requirements				
Designation	Finish	PU	Order no.	
			GU-937	GU-937 N22
L&S bogie GU-937 / GU-937 N22	ferGUard	1	K-16493-00-0-1	K-20207-01-0-1
	faceGUard	1	K-16493-00-0-18	–
L&S tandem bogie GU-937	ferGUard	1	K-17759-01-0-1	K-17759-03-0-1
	faceGUard	1	K-17759-01-0-18	–
L&S handle damper	black	1	K-19053-00-0-6	K-19053-00-0-6
HS LiftUnit Heavy GU-937	EV 1 / light grey	1	K-20186-00-0-1	K-20186-00-0-1
Drilling jig for HS LiftUnit	–	1	K-20236-00-0-0	K-20901-00-0-0
The Lift&Slide gear must be selected for the specific system. You can find the corresponding order information on pages 216–218.				



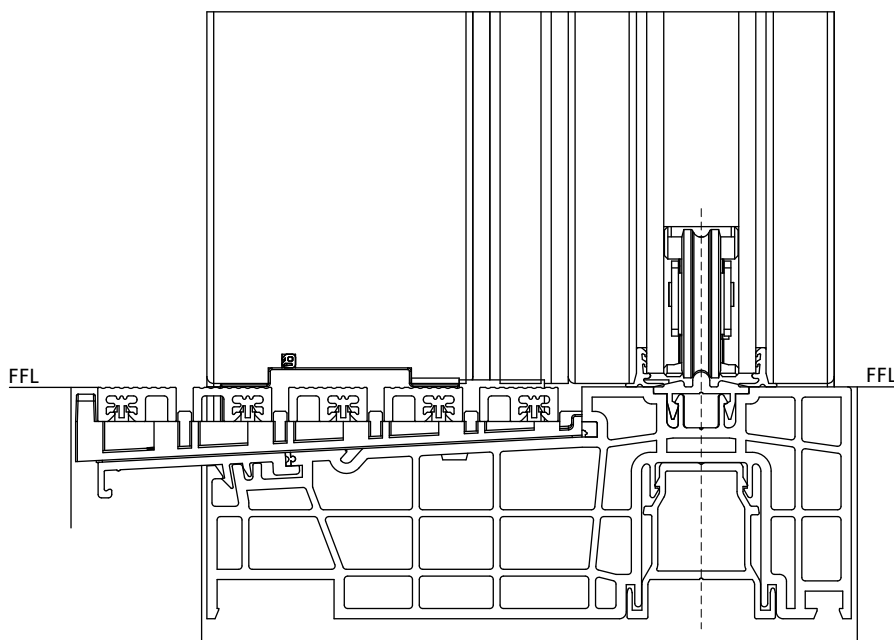
Barrier-free threshold

Flush versions for GU-thermostep 204 / GU-thermostep 164



Order notes

- The flush threshold can be installed on every Lift&Slide system shown in Chapter 1.0 (patterns A, C, G, K)
- A tread threshold is not required. Drip rail and roller track (4 mm) must be ordered separately
- Supporting bridges and support profiles must also be ordered, depending on the profile system
- The neutral installation drawing 0-48549 must be followed
- The existing threshold designs remain unchanged
- Gaskets and structural connections of the threshold remain unchanged
- Simple and easy installation





General hardware requirements for all profile systems

Roller track bb						
Pattern		Designation	Length [mm]	Finish	PU	Order no.
A	C					
1	1	P 2209 roller track bb	3000	EV 1 / light grey	1	P-02209-30-0-1
			4000	EV 1 / light grey	1	P-02209-40-0-1
			5000	EV 1 / light grey	1	P-02209-50-0-1
			6700	EV 1 / light grey	1	P-02209-67-0-1

Installation aid for supporting bridge					
Pattern		Designation	Finish	PU	Order no.
A	C				
1	1	Installation aid for supporting bridge	–	1	9-51495-00-0-0

Barrier-free threshold

Profile-specific hardware requirements for GU-thermostep 164



Profile-specific hardware requirements for sash thickness 68 mm, sash distance 28 mm

L&S supporting bridge bb for passage area					
Pattern		Designation	Finish	PU	Order no.
A	C				
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19909-01-0-1
			EV 1 / light grey	100	K-19909-10-0-1
L&S supporting bridge for fixed-glazed sash (optional)					
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19921-01-0-1
			EV 1 / light grey	100	K-19921-10-0-1

SBS support profile bb for passage and fixed-glazed sash						
Pattern		Designation	Length [mm]	Finish	PU	Order no.
A	C					
5	5	SBS support profile bb	1200	EV 1 / light grey	1	P-02176-12-0-1
			2000	EV 1 / light grey	1	P-02176-20-0-1
			6000	EV 1 / light grey	1	P-02176-60-0-1

Installation drawing 0-45647 (with guide track P 1786)

Installation drawing 0-47494 (with guide track P 1850)

The specified installation drawings represent the documentation status up to May 2021.
Please use the documentation 0-49408 (P 1786 / P 2301) and 0-48888 (P 1850).
You can find more detailed information on page 10 / 11.

Profile-specific hardware requirements for sash thickness 78 mm, sash distance 28 mm

L&S supporting bridge bb for passage area					
Pattern		Designation	Finish	PU	Order no.
A	C				
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19910-01-0-1
			EV 1 / light grey	100	K-19910-10-0-1
L&S supporting bridge for fixed-glazed sash (optional)					
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19922-01-0-1
			EV 1 / light grey	100	K-19922-10-0-1

SBS support profile bb for passage and fixed-glazed sash						
Pattern		Designation	Length [mm]	Finish	PU	Order no.
A	C					
5	5	SBS support profile bb	1200	EV 1 / light grey	1	P-02177-12-0-1
			2000	EV 1 / light grey	1	P-02177-20-0-1
			6000	EV 1 / light grey	1	P-02177-60-0-1

Installation drawing 0-45758 (with guide track P 1786)

Installation drawing 0-47495 (with guide track P 1850)

The specified installation drawings represent the documentation status up to May 2021.
Please use the documentation 0-49408 (P 1786 / P 2301) and 0-48888 (P 1850).
You can find more detailed information on page 10 / 11.



Profile-specific hardware requirements for sash thickness 88 mm, sash distance 28 mm

L&S supporting bridge bb for passage area					
Pattern		Designation	Finish	PU	Order no.
A	C				
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19912-01-0-1
			EV 1 / light grey	100	K-19912-10-0-1
L&S supporting bridge for fixed-glazed sash (optional)					
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19923-01-0-1
			EV 1 / light grey	100	K-19923-10-0-1

SBS support profile bb for passage and fixed-glazed sash						
Pattern		Designation	Length [mm]	Finish	PU	Order no.
A	C					
5	5	SBS support profile bb	1200	EV 1 / light grey	1	P-02178-12-0-1
			2000	EV 1 / light grey	1	P-02178-20-0-1
			6000	EV 1 / light grey	1	P-02178-60-0-1

Installation drawing 0-45557 (with guide track P 1786)

Installation drawing 0-47330 (with guide track P 1850)

The specified installation drawings represent the documentation status up to May 2021.

Please use the documentation 0-49408 (P 1786 / P 2301) and 0-48888 (P 1850).

You can find more detailed information on page 10 / 11.

Barrier-free threshold

Profile-specific hardware requirements for GU-thermostep 204



Profile-specific hardware requirements for sash thickness 78 mm, sash distance 28 mm

L&S supporting bridge bb for passage area					
Pattern		Designation	Finish	PU	Order no.
A	C				
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19911-01-0-1
			EV 1 / light grey	100	K-19911-10-0-1
L&S supporting bridge for fixed-glazed sash (optional)					
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19922-01-0-1
			EV 1 / light grey	100	K-19922-10-0-1

SBS support profile bb for passage and fixed-glazed sash						
Pattern		Designation	Length [mm]	Finish	PU	Order no.
A	C					
5	5	SBS support profile bb	1200	EV 1 / light grey	1	P-02178-12-0-1
			2000	EV 1 / light grey	1	P-02178-20-0-1
			6000	EV 1 / light grey	1	P-02178-60-0-1

Installation drawing 0-46617 (with guide track P 1786)

Installation drawing 0-47495 (with guide track P 1850)

The specified installation drawings represent the documentation status up to May 2021.

Please use the documentation 0-49408 (P 1786 / P 2301) and 0-48888 (P 1850).

You can find more detailed information on page 10 / 11.

Profile-specific hardware requirements for sash thickness 88 mm, sash distance 28 mm

L&S supporting bridge bb for passage area					
Pattern		Designation	Finish	PU	Order no.
A	C				
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19912-01-0-1
			EV 1 / light grey	100	K-19912-10-0-1
L&S supporting bridge for fixed-glazed sash (optional)					
5 pieces per meter		L&S supporting bridge bb	EV 1 / light grey	10	K-19923-01-0-1
			EV 1 / light grey	100	K-19923-10-0-1

SBS support profile bb for passage and fixed-glazed sash						
Pattern		Designation	Length [mm]	Finish	PU	Order no.
A	C					
5	5	SBS support profile bb	1200	EV 1 / light grey	1	P-02178-12-0-1
			2000	EV 1 / light grey	1	P-02178-20-0-1
			6000	EV 1 / light grey	1	P-02178-60-0-1

Installation drawing 0-46618 (with guide track P 1786)

Installation drawing 0-47330 (with guide track P 1850)

The specified installation drawings represent the documentation status up to May 2021.

Please use the documentation 0-49408 (P 1786 / P 2301) and 0-48888 (P 1850).

You can find more detailed information on page 10 / 11.



HS ePOWER motor-driven drive

Order notes and product information



Order notes

- The HS ePOWER can be installed in any Lift&Slide system
 - with bogie GU-934
 - with sash thicknesses from 78 mm
 - with 4 mm roller track
 - with sash weights up to 400 kg
 - Pattern A with sliding sashes on the inside
- The HS ePOWER can be combined with every threshold from page 232
- Pre-assembled, plug-in modules allow the assembly to be carried out quickly, easily and safely according to the plug-and-play principle and the door can be commissioned immediately
- Permanent power supply in any position of the Lift&Slide door – whether closed, moving or in open position
- Control by means of operating element on Lift&Slide sash
- Optional extensions:
 - Locking monitoring set
 - Radio remote control
 - Status request can be triggered via smartphone or somfy
- The valid installation drawing must be followed

Technical documentation

Documentation	
Designation	Document no.
Installation drawing	0-48567
Installation instructions HS ePOWER	0-49119*
Commissioning instructions HS ePOWER	0-49117*
Brief commissioning instructions HS ePOWER	0-48062*
Operating instructions HS ePOWER	0-49118*
Maintenance specifications HS ePOWER	0-49116
Designation	Order no.
Instructions for handheld radio transmitter	B-55281-02-0-9*
Instructions for radio transmitter	B-55281-05-1-9*
Instructions for radio receiver	B-55280-03-0-6*

*contained in the scope of delivery

Application ranges

SW [kg]	SW min. [mm]	Passage width [mm] with SW min.	SW max. [mm]	SH [mm]	ST min. [mm]
≤ 200 [1]	1100	766 [2]	3300 mm	1840 – 3088 [3]	78 [4]
> 200 bis ≤ 300 [1]	1600	1266	3300 mm	1840 – 3088 [3]	
> 300 bis ≤ 400 [1]	2100	1766	3300 mm	1840 – 3088 [3]	

[1] For the sash weights, 18 kg own weight of the HS ePOWER drive have to be considered.

[2] For barrier-free access, the sash width must be at least 1235 mm to guarantee a passage width of 900 mm.

[3] Top gap dimension = 15.5 mm

[4] The profile cross-sections specified by GU must be complied with. For more details, see installation drawing 0-48567.

The sash height must not be more than 2.5 times the sash width.



HS ePOWER module

Simply select and configure the components from the modular system, based on the sash weight.

You require the following sets:

- 1 "SLIDE" components set
- 2 "LIFT" components set
- 4 "ELECTRONIC" components set

which contain all the required components and accessories. An additional lifting drive **3** is required for sash weights greater than 201 kg, everything else remains the same.

The colour codes and numbers are on the packaging, which makes it very easy for you to assign the components.

"SLIDE" components				
Set	Contents	200 kg	300 kg	400 kg
	"SLIDE" components set	1x	1x	1x
	9 Sliding drive and accessories			

"LIFT" components				
Set	Contents	200 kg	300 kg	400 kg
	"LIFT" components set	1x	1x	1x
	3 Lifting drive		1 x additional	1 x additional
	7 Battery package			

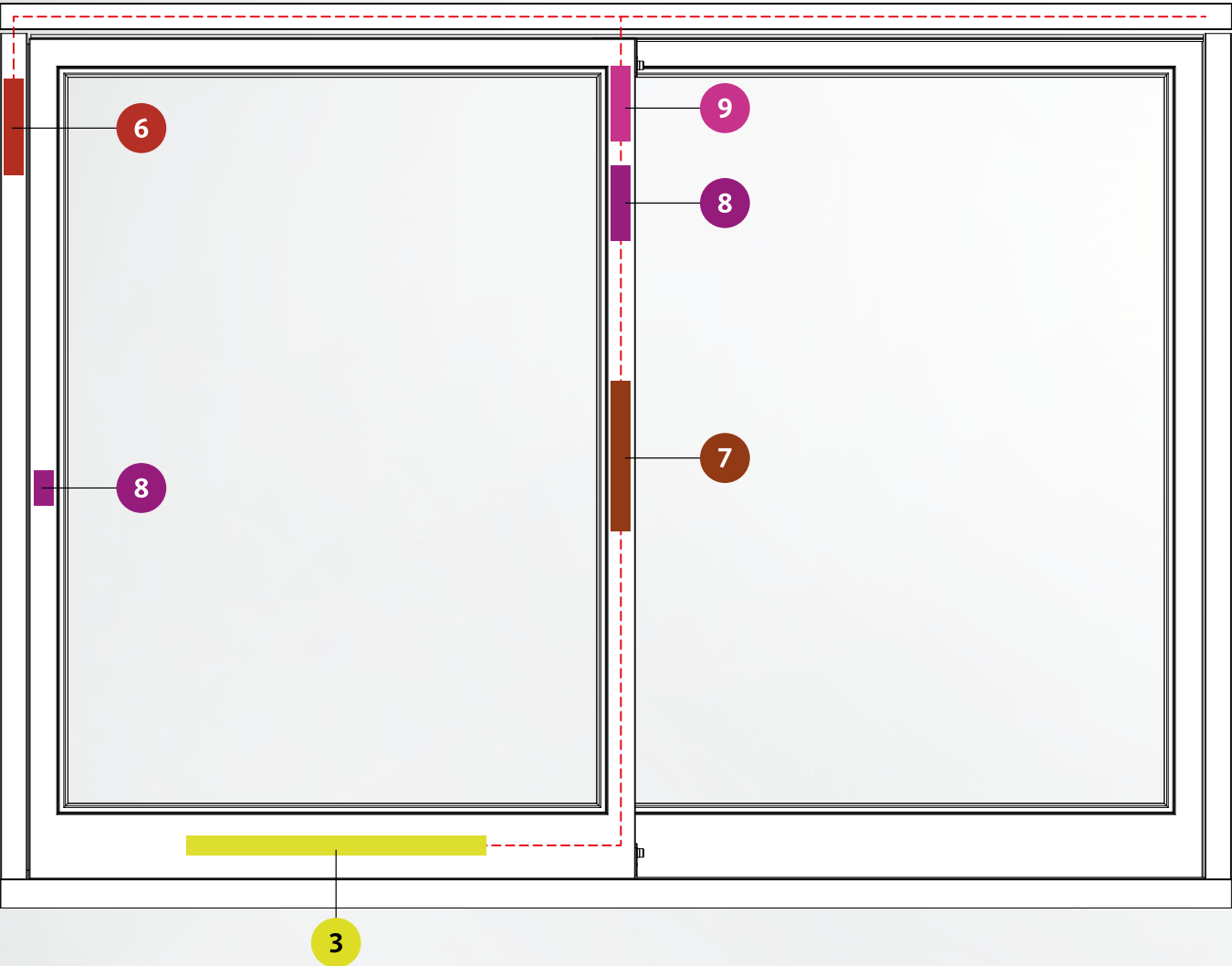
"ELECTRONIC" components				
Set	Contents	200 kg	300 kg	400 kg
	"ELECTRONIC" components set	1x	1x	1x
	5 Cable set			
	8 Control panel / control unit			
	6 Mains adaptor / power supply unit			

HS ePOWER motor-driven drive

Modular system



Positions of components





Order information

Step 1: Order your standard hardware set

■ Exception: the standard Lift&Slide gear is replaced with the HS ePOWER Lift&Slide gear

Standard hardware sets			
Pattern A	Standard hardware sets	SW [kg]	Order information from page
Hardware set (choose one of the following variants, depending on the sash weight):			
1	Lift&Slide hardware GU-934 (without Lift&Slide gear)	up to 350	100
1	Lift&Slide hardware GU-934 Tandem (without Lift&Slide gear)	351 – 400	104
Threshold set:			
1	As desired		116

Step 2: In addition to the standard hardware set, order the following components:

HS ePOWER packers for L&S bogie GU-934						
Pattern A	Designation	SW [kg]	Finish	PU	Order no.	
1	HS ePOWER packers for L&S bogie GU-934	200 – 400	EV 1 / light grey	1	K-19542-05-0-1	
Contains: 4 x packers (front/rear bogie), 1 x corner sealing channel						
Pattern A	Designation	SW [kg]	Finish	PU	Order no.	
1	HS ePOWER packers for L&S tandem bogie GU-934	301 – 400	EV 1 / light grey	1	K-19543-08-0-1	
Contains: 4 x packers (rear bogie)						
HS ePOWER Lift&Slide gear, 37.5 mm backset						
Pattern A	Designation	SH [mm]	Handle height [mm]	Finish	PU	Order no.
1	HS ePOWER Lift&Slide gear 37.5 mm backset	2215.5 – 2688	1000	EV 1 / light grey	1	6-38822-24-0-1
				UC 5 / dark bronze	1	6-38822-24-0-5
		2465.5 – 3088	1000	EV 1 / light grey	1	6-38822-28-0-1
				UC 5 / dark bronze	1	6-38822-28-0-5
		1840 – 3088	1000	EV 1 / light grey	1	6-38822-44-0-1
				UC 5 / dark bronze	1	6-38822-44-0-5
HS ePOWER sliding drive and accessories						
Pattern A	Designation	Modular system no.		Finish	PU	Order no.
1	HS ePOWER sliding drive and accessories	 		EV 1 / light grey	1	K-20400-00-0-1
Contains: 1 x sliding drive set, 1 x magnet set, 1 x cable routing set, 1 x toothed belt, 1 x service handle, 1 x HS cover, documentation						
HS ePOWER lifting drive and batteries						
Pattern A	Designation	SW [kg]	Modular system no.	Finish	PU	Order no.
1	HS ePOWER lifting drive and batteries	200 – 400	  	EV 1 / light grey	1	K-19288-00-0-1
Contains: 1 x lifting drive set, 1 x set of batteries						
Pattern A	Designation	SW [kg]	Modular system no.	Finish	PU	Order no.
1	HS ePOWER lifting drive	301 – 400		EV 1 / light grey	1	K-19186-00-0-1
Contains: 1 x lifting drive (complete), 1 x set of set screws						
HS ePOWER control unit						
Pattern A	Designation	Modular system no.		Finish	PU	Order no.
1	HS ePOWER control unit	   		–	1	K-20391-00-0-8
Contains: 1 x set of control components, 1 x wiring harness set, 1 x power supply unit net						

HS ePOWER motor-driven drive

Order information, pattern A



HS ePOWER guide tracks and gasket profiles

Pattern A	Designation	TFW [mm]	Finish	PU	Order no.
1	HS ePOWER guide tracks and gasket profiles	4000	EV 1 / light grey	1	K-20535-40-0-1
			black	1	K-20535-40-0-6
		6700	EV 1 / light grey	1	K-20535-67-0-1
			black	1	K-20535-67-0-6

Contains: 1 x HS ePOWER conductor rail (frame), 1 x guide track (sash), 3 x gasket profile, 1 x cover profile

HS ePOWER accessories for conductor rail – 4 mm roller track

Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER accessories for conductor rail – 4 mm roller track	EV 1 / light grey	1	K-20534-05-0-1
		black	1	K-20534-05-0-6

Contains: 1 x HS ePOWER guide track, 1 x filler piece top, 1 x filler piece bottom (for RT P 2209 bb), 2 x guide, 2 x rubber seal, 1 x PC screw-hole cover cap

Reinforcement profile/reinforcement rail

Pattern A	Designation	Length [mm]	Finish	PU	Order no.
1	Reinforcement profile P2136	2000	–	1	P-02136-20-0-0
		3300	–	1	P-02136-33-0-0
1	Reinforcement rail for meeting stile P 2137	2500	–	1	9-50450-25-0-0
		3300	–	1	9-50450-33-0-0

Bridging gasket

Pattern A	Designation	Finish	PU	Order no.
1	Bridging gasket, top [1]	–	1	6-22154-46-0-0

[1] Deviations possible depending on the profile. You can find the right bridging gasket for your profile system on page 336.

HS ePOWER control panel cover (please select)

Pattern A	Designation	GU logo	Finish	PU	Order no.
1	HS ePOWER cover DIRIGENT	yes	EV 1 / light grey	1	9-49936-01-0-1
			white	1	9-49936-01-0-7
			stainless steel	1	9-51229-01-0-8
		no	EV 1 / light grey	1	9-49936-11-0-1
			white	1	9-49936-11-0-7
			stainless steel	1	9-51229-11-0-8
1	HS ePOWER cover RONDO	yes	white	1	K-19335-01-0-7
			stainless steel	1	K-19335-01-0-8
		no	white	1	K-19335-11-0-7
			stainless steel	1	K-19335-11-0-8

Contains: 1 x HS ePOWER cover RONDO, 2 x spacer

Accessories

Radio transmitter / radio receiver

Pattern A	Designation	Finish	PU	Order no.
1	Radio transmitter, 4 buttons	–	1	B-55281-02-0-9
1	Radio transmitter, 2 in-wall inputs, DEADMAN	–	1	B-55281-05-1-9
1	Radio receiver, 2 outputs, DEADMAN	–	1	B-55280-03-0-6

Note: simultaneous operation, in other words opening and closing two or more systems at the same time is not possible with one or more handheld radio transmitters.



Required mounting tools

HS ePOWER installation kit				
Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER installation kit	–	1	K-19777-00-0-1
Contains: 1 x set of open-ended spanners, 1 x charger set				
HS ePOWER drilling templates				
Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER drilling templates	–	1	K-19843-00-0-1
Contains: 2 x drilling template				

Mounting tools

Open-end spanner size 19				
Pattern A	Designation	Finish	PU	Order no.
1	Open-end spanner size 19, angled	–	1	K-19527-00-0-1
Contains: 1 x open-end spanner				

Spare parts

HS ePOWER toothed belt				
Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER toothed belt	–	1	K-19791-01-0-7
Contains: 1 x toothed belt (L = 3700 mm)				
HS ePOWER replacement batteries				
Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER replacement batteries	–	1	K-19793-01-0-1
Contains: 2 x replacement batteries (2,3 Ah), 2 x cable ties				
HS ePOWER slide block and belt fasteners				
Pattern A	Designation	Finish	PU	Order no.
1	HS ePOWER slide block and belt fasteners	–	1	K-20395-00-0-1
Contains: 1 x slide block complete, 1 x belt fastener (left-hand hinged), 1 x belt fastener (right-hand hinged)				

Retrofit kit

HS ePOWER retrofit kit					
Pattern A	Designation		Finish	PU	Order no.
1	HS ePOWER retrofit kit		EV 1 / light grey	1	K-20927-00-0-1
			black	1	K-20927-00-0-6
Contains: 1 x HS ePOWER retrofit kit, 1 x sliding drive set, 1 x cable guide for cover rail, 1 x toothed belt, 1 x HS ePOWER guide track, 1 x top connecting part, 1 x guide, documentation					
HS ePOWER retrofit kit, profiles					
Pattern A	Designation	TFW [mm]	Finish	PU	Order no.
1	HS ePOWER retrofit kit, profiles	4000	EV 1 / light grey	1	K-20926-40-0-1
		6700	EV 1 / light grey	1	K-20926-67-0-1
Contains: 1 x HS ePOWER conductor rail, 1 x cover profile					
HS ePOWER drilling jig					
Pattern A	Designation		Finish	PU	Order no.
1	HS ePOWER drilling jig		–	1	6-41011-01-0-0

HS Master motor-driven drive

Important notes and range of application



Important notes

- The HS Master can be installed on every Lift&Slide system shown in Chapter 1.0 (pattern A)
- The standard Lift&Slide gear is replaced with the HS Master Lift&Slide gear
- With HS Master, the backset is always 37.5 mm. The sash profile must be dimensioned accordingly
- Due to the crush guard, the passage opening is reduced by 150 mm. The Lift&Slide door stops 150 mm before the door frame at the fixed-glazed sash; if necessary, the door can be opened fully manually
- The drive case at the rear is 17 mm shorter than the cover profile that is visible from the front and below

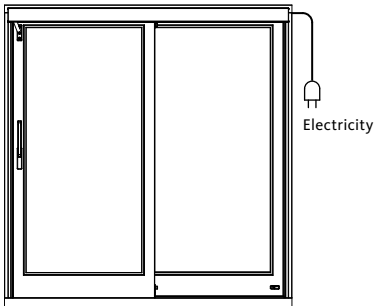
- The scope of delivery includes the installation and maintenance manual 0-46554
- The scope of delivery includes the operating manual 0-46555, which must be passed on to the end customer
- The valid installation drawing 0-44355 must be followed
- We shall be glad to advise you in the event of any deviations from the general conditions described here. Please feel free to contact your field consultant

The specified installation drawings represent the documentation status up to May 2021. Please use the documentation 0-49408 (P 1786 / P 2301) and 0-48888 (P 1850). You can find more detailed information on page 10 / 11.

Application ranges

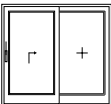
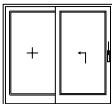
Pattern A	
Min. length of drive [mm]	2050
Max. length of drive [mm]	6700
Sash width [mm]	950 – 3300
Sash height [mm]*	1855 – 2765 [1]
Max. sash weight [kg]	400

* The sash height depends on which guide track is used and the height of the roller track. For the dimensions of the various Lift&Slide systems, refer to the corresponding installation drawings.
[1] Sash heights from 2765 mm to 3265 mm can be implemented on request with the cover-rail extension set.



Interior view – pattern A
(illustration shows version with handle on left; right laterally reversed)

Ordering specifications

Drive details			
Length of drive case	[mm]		
Finish of drive case	☐ EV 1 / light grey	☐ UC 5 / dark bronze	☐ white
Element details			
Dimension X (min. 90 mm) see page 376	[mm]		
Width of reveal	[mm]		
Sash thickness	[mm]		
Total frame width	[mm]		
Sash width	[mm]		
Sash height	[mm]		
Sash distance	[mm]		
Handle position, interior view	☐ on left 	☐ on right 	
Remote control	☐ yes	☐ no	
Number of handheld radio transmitters	[pc.]		
Profile details			
Manufacturer			
Profile series			

HS Master motor-driven drive

Important dimension specifications



The following dimension specifications must be observed and complied with without fail

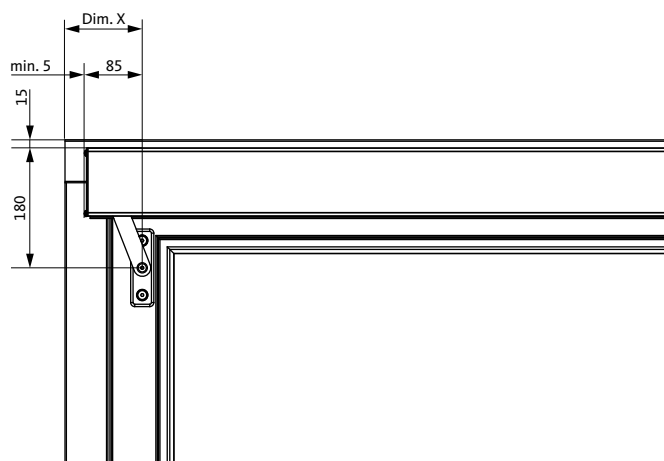
The space requirement for the linkage is 85 mm measured from the pivot of the gear to the outer edge of the drive case.

The minimum distance from the drive case to the edge of the plaster is 5 mm.

These two dimensions produce dimension X, which is necessary for the order.

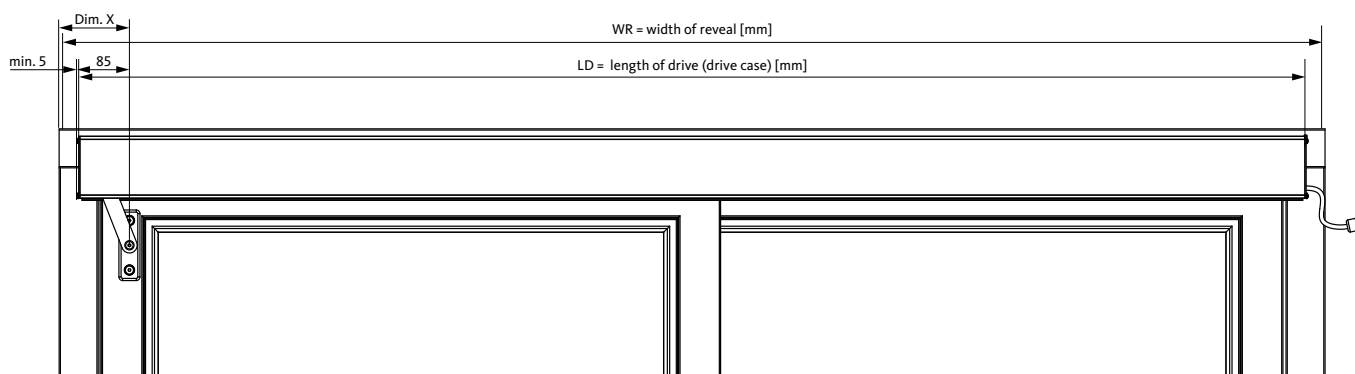
In order to guarantee error-free installation and function, these dimensions must be observed without fail: lower values are not acceptable.

Installation drawing 0-44355



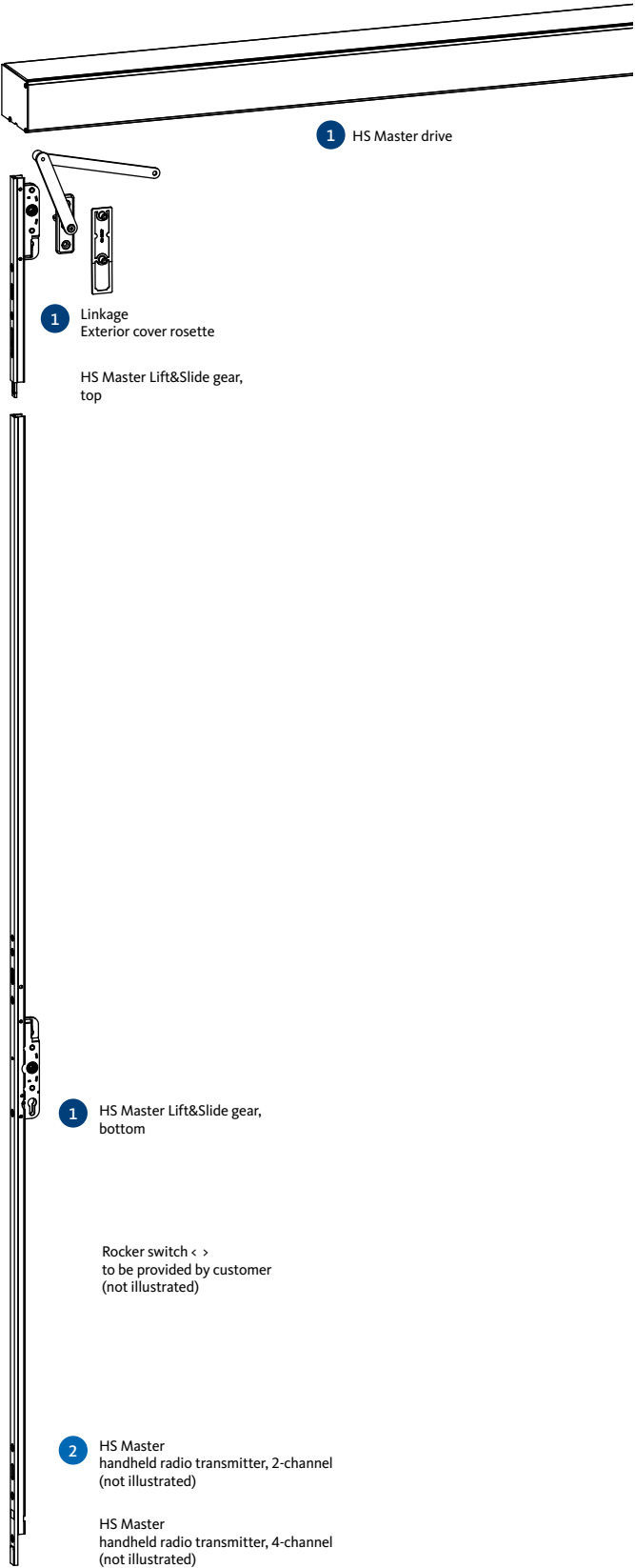
The drive case at the rear is 17 mm shorter than the cover profile that is visible from the front and below. If dimension X increases because the frame has been widened, the difference between the cover casing and the cover profile will also be greater than 17 mm.

A minimum distance of 5 mm must be measured on both sides between the drive case on the top door frame of the Lift&Slide element and the edge of the plaster of the neighbouring masonry. The dimension between the plaster edges at the sides is specified in the ordering specifications as the width of reveal.



HS Master motor-driven drive

Order information, pattern A



Order overview

	Description
1	Required components
2	Accessories for new systems and for retrofitting

HS Master motor-driven drive

Order information, pattern A



Step 1: Order your standard hardware set

■ Exception: The standard Lift&Slide gear is replaced with the HS Master Lift&Slide gear

Standard hardware sets		
Pattern A	Standard hardware sets	Order information from page
1	Lift&Slide hardware GU-934 (without Lift&Slide gear)	100
1	Lift&Slide hardware GU-934 Tandem (without Lift&Slide gear)	104
Threshold set:		
1	As desired	116
Guide track set:		
1	As desired	202

Step 2: In addition to the standard hardware set, order the following components:

1 General hardware requirements for pattern A

HS Master drive – standard version [1]						
Pattern A	Designation	Description	Finish	PU	Order no.	
					on left	on right
1	HS Master drive	Standard version for – Operation via turn handle / Push & Go function – Operation via rocker switch (provided by customer)	EV 1 / light grey	1	6-32205-98-L-1	6-32205-98-R-1
			UC 5 / dark bronze	1	6-32205-98-L-5	6-32205-98-R-5
			white	1	6-32205-98-L-7	6-32205-98-R-7
Alternative: HS Master drive – radio-controlled version [2]						
1	HS Master drive	as standard version, and also prepared for operation via handheld radio transmitter	EV 1 / light grey	1	6-32654-98-L-1	6-32654-98-R-1
			UC 5 / dark bronze	1	6-32654-98-L-5	6-32654-98-R-5
			white	1	6-32654-98-L-7	6-32654-98-R-7

[1] Manufacture according to ordering specifications – see page 375.

[2] The radio receiver is installed. 1 handheld radio transmitter is included in the scope of delivery; other handheld radio transmitters may be ordered separately as accessories.

HS Master linkage				
Pattern A	Designation	Finish	PU	Order no.
1	HS Master linkage	EV 1 / light grey	1	K-16750-00-0-1
		UC 5 / dark bronze	1	K-16750-00-0-5
		white	1	K-16750-00-0-7

Contains: 1 x linkage, 1 x outside cover rosette, fixing material

HS Master Lift&Slide gear				
Pattern A	Designation	Finish	PU	Order no.
1	HS Master Lift&Slide gear [1]	EV 1 / light grey	1	K-16748-00-0-1

Contains: 2 x Lift&Slide gear, 1 x connecting rod, 1 x drilling template
[1] Sash heights from 2765 mm to 3265 mm can be implemented on request with the cover-rail extension set.

HS Master cover-rail extension				
Pattern A	Designation	Finish	PU	Order no.
1	HS Master cover-rail extension	EV 1 / light grey	1	K-18896-00-0-1

Contains: 1 x cover rail, 1 x connecting rod



2 Accessories for new systems and for retrofitting

HS Master handheld radio transmitter

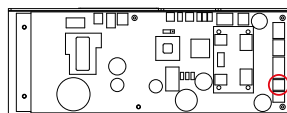
Pattern A	Designation	Description	Finish	PU	Order no.
1	HS Master handheld radio transmitter	2-channel with GU-specific coding, for HS Master drives in radio-controlled version, spare button battery CR 2016, 2 x	grey-blue	1	6-32264-01-0-0
			grey-anthracite	1	6-32264-03-0-0
Alternative: HS Master handheld radio transmitter, 4-channel					
1	HS Master handheld radio transmitter	4-channel	grey-yellow	1	6-33788-00-0-0

HS Master radio receiver card

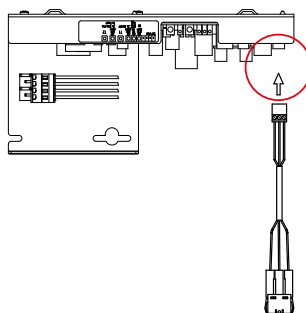
Pattern A	Designation	Finish	PU	Order no.
1	HS Master radio receiver card	–	1	6-32627-00-0-0

HS Master commissioning set / operating sticker

Pattern A	Designation	Finish	PU	Order no.
1	HS Master commissioning set	–	1	6-36125-00-0-0
1	Operating sticker	–	1	9-47818-01-0-0

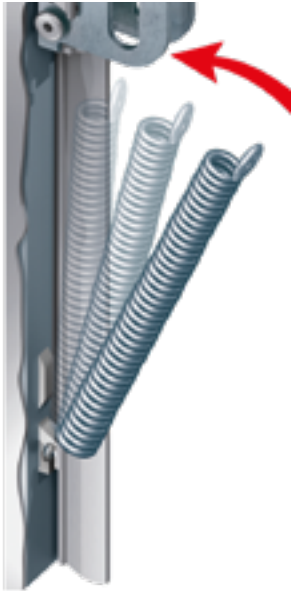


HS Master commissioning set
Plug-in position on inside: slots 4 5 6

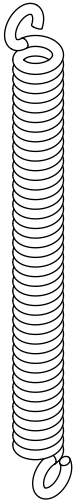


Tension spring

for Lift&Slide gears



Installation drawing 0-46862

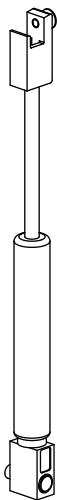


Tension spring for Lift&Slide gears

To reduce the operating force of sashes weighing over 200 kg.

Thanks to the use of tension springs in Lift&Slide gears, the operational force at the turn handle is significantly reduced for the user, greatly increasing operating convenience. This makes the Lift&Slide door easy to operate, especially with high sash weights up to 400 kg.

Versions/order numbers			
Designation	SW [kg]	PU	Order no.
Tension spring	from 200	1	9-40235-05-0-0



L&S handle damper for Lift&Slide gears

For even safer operation of sashes weighing more than 100 kg.

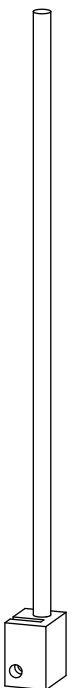
The L&S handle damper in Lift&Slide gears ensures controlled lowering of the sliding sash and prevents the turn handle from recoiling. The L&S handle damper can also be retrofitted quickly and easily in every standard gear.

Versions/order numbers			
Designation	SW [kg]	PU	Order no.
L&S handle damper	from 100	1	K-19053-00-0-6

Installation drawing 0-46862

Drilling jig for L&S handle damper

Versions/order numbers		
Designation	PU	Order no.
Drilling jig for L&S handle damper [1]	1	6-37928-01-0-1
[1] Required for retrofitting on all Lift&Slide gears installed before July 2014.		



Installation drawing 0-46862

Barrier freedom with regard to operation of the handle

Extended handle – RONDO series – interior turn handle with PC hole

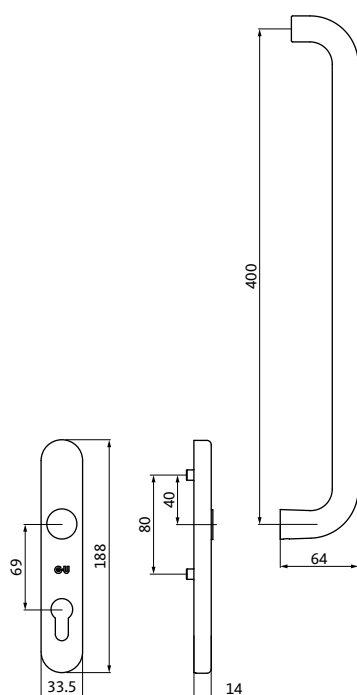


Product information

- High-quality stainless steel handle with PC hole
- Handle length 400 mm
- Handle height 78 mm
- With 10 mm square size and 80 mm distance between screw centres
- Square spindle adjustable
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- For sash thicknesses up to 110 mm

Suitable for barrier-free construction in accordance with DIN 18040

The operating force for raising the sliding sash can be reduced by up to 50% due to the extended turn handle.



You can find ordering information on the individual handle variants in Chapter 6.0 "Turn handles and accessories" on pages 450 – 451.

Barrier freedom with regard to operation of the handle

Extended handle – RONDO series – interior turn handle without PC hole

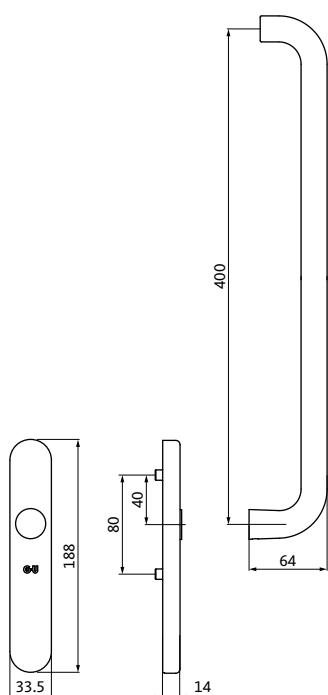


Product information

- High-quality stainless steel turn handle without PC hole
- Handle length 400 mm
- Handle height 78 mm
- With 10 mm square size and 80 mm distance between screw centres
- Square spindle adjustable
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- For sash thicknesses up to 110 mm

Suitable for barrier-free construction in accordance with DIN 18040

The operating force for raising the sliding sash can be reduced by up to 50% due to the extended turn handle.



You can find ordering information on the individual handle variants in Chapter 6.0 "Turn handles and accessories" on pages 452 – 453.

Barrier freedom with regard to operation of the handle

Lift&Slide gear with profile cylinder – handle height 840 mm and handle height variable



Note

The specifications for the range of applications (sash heights) and the handle height are general and may deviate minimally depending on the roller track height and the used profile system. The system-related dimensions can be found in the profile system drawings.

Special size -98-

The size -98- specified in the table is a special size that is fabricated with the handle height at the customer's request.

The application range depends on the basic size of the drive-gear that is used for the fabrication (sizes -19- to -44-).

Please request prices and delivery times in individual cases.

Installation drawing 0-44186

Lift&Slide gear – 37.5 mm backset – lockable, with profile cylinder									
Backset [mm]	SH [mm]	Handle height [mm]	Quantity of locks	Cover rail finish		Lock case finish		PU	Order no.
				EV 1 anodised	UC 5 anodised	ferGUard			
37.5	1840 – 2340	840	2	■		■		1	6-30021-20-0-1
					■	■		1	6-30021-20-0-5
	up to 2740	min. 400	2 + 1 optional	■		■		1	6-30021-98-0-1

Lift&Slide gear – 27.5 mm backset – lockable, with profile cylinder									
Backset [mm]	SH [mm]	Handle height [mm]	Quantity of locks	Cover rail finish		Lock case finish		PU	Order no.
				EV 1 anodised	UC 5 anodised	ferGUard			
27.5	1840 – 2340	840	2	■		■		1	6-30019-20-0-1
	up to 2740	min. 400	2 + 1 optional	■		■		1	6-30019-98-0-1



Tested security for maximum burglar inhibition

BURGLARY

PROTECTED



Protection against burglary is one of the greatest challenges for Lift&Slide systems. After all, insufficiently secured windows and doors make it easy for unwelcome visitors to intrude into your home. It is therefore important also to equip Lift&Slide elements with security-relevant components.

Thanks to the burglar-inhibiting design of many of its hardware components, Gretsch-Unitas gives its customers greater peace of mind, because they know they are effectively protected against manipulation attempts.

All timber and PVC systems are tested at least to DIN EN 1627-1630 RC 2, and also up to RC 3 in timber. With Gretsch-Unitas, every element can essentially be designed to satisfy the stringent requirements of resistance class RC 3. We provide assistance with planning and design.

1 Open or locked, recognisable at a glance
Electronic locking monitoring with magnetic switch, VdS-tested

2 An anti-jemmy device with a secure grip
L&S meeting-stile security profile

3 A firm handle on security
SK3-tested DIRIGENT turn-handle

4 Anti-jemmy protection of sash
Anti-jemmy device top horizontal

Exclusively
available only from
Gretsch-Unitas



- 5 Open but still securely locked
Night ventilation for Lift&Slide doors

Exclusively
 available only from
 Gretsch-Unitas

NOTE:

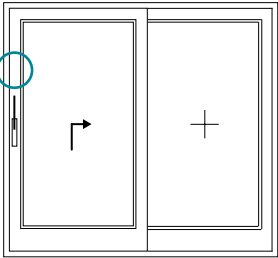
According to DIN 18104-2, all Lift&Slide hardware for timber and PVC systems by Gretsch-Unitas is certified for burglar-inhibiting retrofit products.

Electronic security

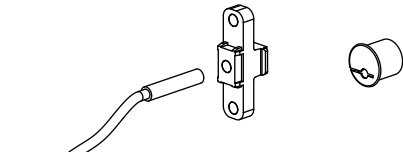
L&S locking monitoring set



Pattern A



Installation instructions 0-44449
VdS certificate no. G 105012



Locking monitoring set Eccentric plug

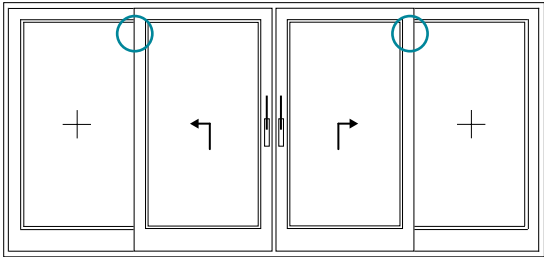
L&S locking monitoring set

Magnetic locking monitoring
between door frame and sliding sash

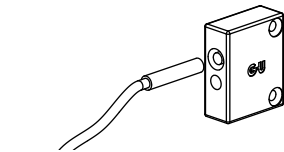
Versions/order numbers

Designation	Cable length [m]	PU	Order no.
L&S locking monitoring set	4.0	1	K-16752-00-0-0
	10.0	1	K-16752-10-0-0
Contains: 1 x magnetic cam, 1 x magnetic switch, accessories			
Designation	Finish	PU	Order no.
Eccentric plug	brown	1	6-33079-00-0-5
	white	1	6-33079-00-0-7

Pattern C



Installation instructions 0-44768



L&S locking monitoring set

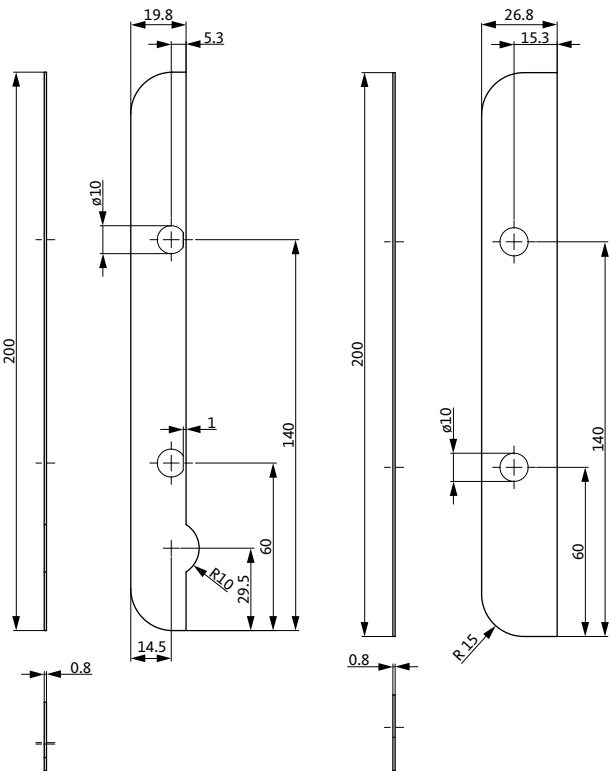
Magnetic locking monitoring
between sliding sashes and fixed-glazed sashes

Versions/order numbers

Designation	Cable length [m]	PU	Order no.
L&S locking monitoring set	4.0	1	K-17322-00-0-7
	10.0	1	K-17322-10-0-7
Contains: 2 x magnetic switch, 2 x magnet holder, accessories			



RC2



9-41309-01-0-0

9-41309-02-0-0

Anti-drill plate
for L&S geared turn handles

Accessories for RC 2 versions

Versions/order numbers

Designation	Lift&Slide gear Backset [mm]	PU	Order no.
Anti-drill plate for gear	27.5	1	9-41309-01-0-0
	37.5	1	9-41309-02-0-0

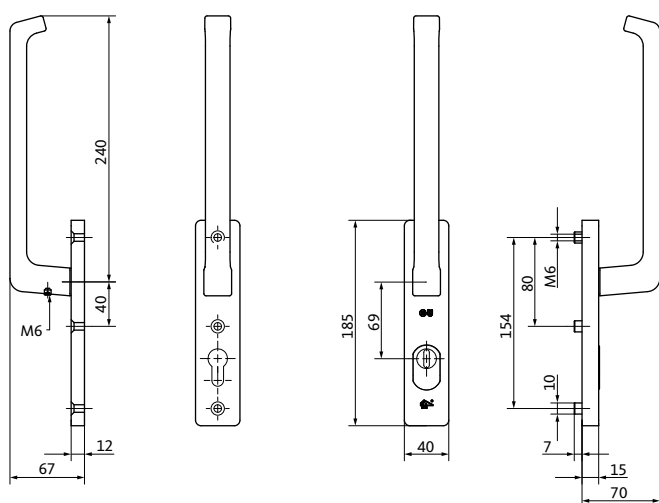
Mechanical security

L&S interior/exterior turn handle set, with PC hole – DIRIGENT – PZ ZA – SK3



Product information

- High-quality aluminium turn handle, interior and exterior, with PC hole
- Exterior handle with cylinder cover
- The security cylinder cover is suitable for a cylinder projection of 9–12 mm
- With 10 mm square size and 80/74 mm distance between screw centres
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Tested according to EN 1906 burglar protection category in the protection classes 2 and 3
- With SKG*** certificate
- Handle length 240 mm
- Handle height 74 mm
- **Note:** We recommend the use of a buffer – see pages 225 and 226





RC2

RC3



L&S turn handles

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable	Finish	PU	Order no.
DIRIGENT L&S turn handle exterior PZ ZA, SK3	180°	aluminium	with lugs	yes	EV 1	1	H-01230-00-0-1
					white, RAL 9016	1	H-01230-00-0-7
					cream white	1	H-01230-00-0-7V
DIRIGENT L&S turn handle interior	180°	aluminium	without lugs	yes	EV 1	1	H-01231-00-0-1
					white, RAL 9016	1	H-01231-00-0-7
					cream white	1	H-01231-00-0-7V

Note: With square spindle for sash thicknesses up to 90 mm. If the sash thicknesses vary the square spindle must be ordered separately.

Note: For other sash thicknesses, the fixing screws must be ordered separately.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	145	Included in PU for turn handle
	68		
	78		
	88		
	90		
	92	150	9-24377-15-0-1
	110	170	9-24377-18-0-1

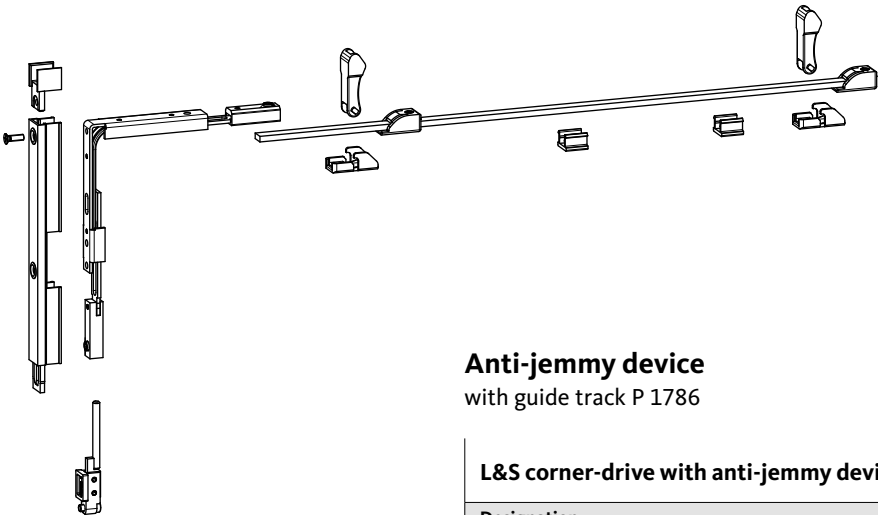
Fixing screws

Versions/order numbers		
Designation	ST [mm]	Order no.
Set of fixing screws M6 (DIN 7991)	54 – 70	H-01232-03-0-1
	69 – 75	H-01232-04-0-1
	74 – 80	H-01232-05-0-1
	84 – 90	H-01232-06-0-1
	109 – 115	H-01232-07-0-1

Mechanical security

Anti-jemmy device when using the guide track P 1786

RC2



Anti-jemmy device with guide track P 1786

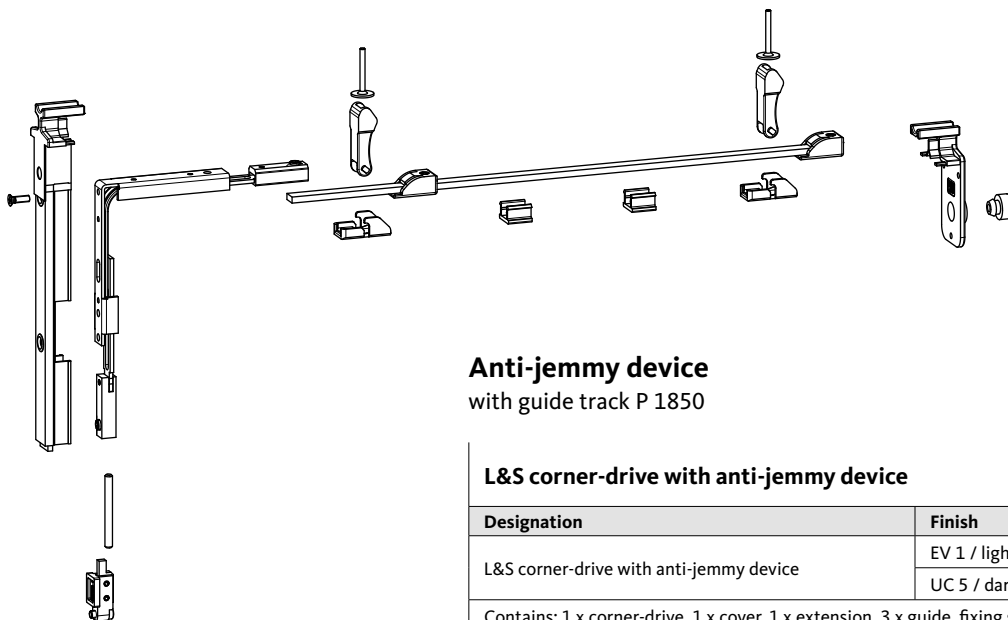
L&S corner-drive with anti-jemmy device			
Designation	Finish	PU	Order no.
L&S corner-drive with anti-jemmy device	EV 1 / light grey	1	K-18906-00-0-1
	UC 5 / dark bronze	1	K-18906-00-0-5
Contains: 1 x corner-drive, 1 x cover, 1 x extension, 3 x guide, fixing screws			

L&S anti-jemmy device			
Designation	Finish	PU	Order no.
L&S anti-jemmy device	EV 1 / light grey	1	K-16569-00-0-1
Contains: 2 x lever, 2 x wedge, 2 x pivot bracket			

P 959 connecting rod for L&S anti-jemmy device					
Designation	SW [mm]	Length [mm]	Finish	PU	Order no.
L&S anti-jemmy device connecting rod P 959	600 – 1235	1000	ferGUard	1	9-28355-10-0-1
	1236 – 1735	1500	ferGUard	1	9-28355-15-0-1
	1736 – 2035	1800	ferGUard	1	9-28355-18-0-1
	2036 – 2835	2600	ferGUard	1	9-28355-26-0-1
	Stock length	4800	ferGUard	1	9-28355-48-0-1



RC2



Anti-jemmy device with guide track P 1850

L&S corner-drive with anti-jemmy device

Designation	Finish	PU	Order no.
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: 1 x corner-drive, 1 x cover, 1 x extension, 3 x guide, fixing screws

L&S anti-jemmy device

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

Contains: 2 x lever, 2 x wedge, 2 x pivot bracket

L&S anti-jemmy device accessories

Designation	Finish	PU	Order no.
L&S anti-jemmy device accessories	–	1	K-18056-00-0-8

Contains: 2 x O-ring, 2 x tappet

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

Designation	SW [mm]	Length [mm]	Finish	PU	Order no.
L&S anti-jemmy device connecting rod P 959	600 – 1235	1000	ferGUard	1	9-28355-10-0-1
	1236 – 1735	1500	ferGUard	1	9-28355-15-0-1
	1736 – 2035	1800	ferGUard	1	9-28355-18-0-1
	2036 – 2835	2600	ferGUard	1	9-28355-26-0-1
	Stock length	4800	ferGUard	1	9-28355-48-0-1

Mechanical security

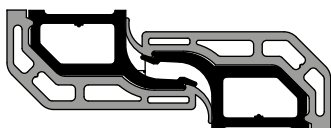
Meeting stile security profiles


RC2


Meeting-stile security profile L&S 10 RC



Meeting-stile security profile L&S 16/22 RC



Meeting-stile security profile L&S 25/29 RC

Installation drawing 0-44188

The specified installation drawings represent the documentation status up to May 2021.

Please use the documentation 0-49408 (P 1786 / P 2301) and 0-48888 (P 1850).

You can find more detailed information on page 10 / 11.

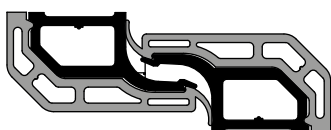
L&S meeting stile security profile set

Versions/order numbers

Designation	SD [mm]	Length [mm]	Finish	PU	Order no.
Meeting-stile security profile set L&S 10 RC	10	2400	grey	1	K-15797-24-0-1
			black	1	K-15797-24-0-6
			white	1	K-15797-24-0-7
	10	2900	grey	1	K-15797-29-0-1
			black	1	K-15797-29-0-6
			white	1	K-15797-29-0-7
Meeting-stile security profile set L&S 16/22 RC	16 – 22	2400	grey	1	K-15798-24-0-1
			black	1	K-15798-24-0-6
			white	1	K-15798-24-0-7
	16 – 22	2900	grey	1	K-15798-29-0-1
			black	1	K-15798-29-0-6
			white	1	K-15798-29-0-7
Meeting-stile security profile set L&S 25/29 RC	25 – 29	2400	grey	1	K-15799-24-0-1
			black	1	K-15799-24-0-6
			white	1	K-15799-24-0-7
	25 – 29	2900	grey	1	K-15799-29-0-1
			black	1	K-15799-29-0-6
			white	1	K-15799-29-0-7



Extension L&S 10 RC



Extension L&S 25/29 RC

L&S extension set

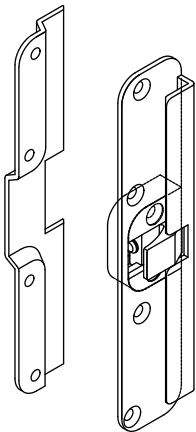
Versions/order numbers

Designation	SD [mm]	Length [mm]	Finish	PU	Order no.
Extension set L&S 10 RC	10	500	grey	1	K-16855-00-0-1
Extension set L&S 25/29 RC	25 – 29	500	grey	1	K-16857-00-0-1
			black	1	K-16857-00-0-6
			white	1	K-16857-00-0-7

Accessories for meeting stile security profile

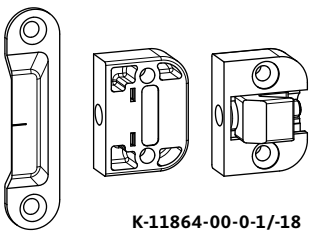
Versions/order numbers

Designation	Dim. [mm]	Requirements per meeting stile security profile set	PU	Order no.
Spax screw	5 x 50	24	1	H-00112-50-0-1
Spax screw	5 x 60	24	1	H-00112-60-0-1
Spax screw	3.5 x 35	1	1	H-00109-35-0-1

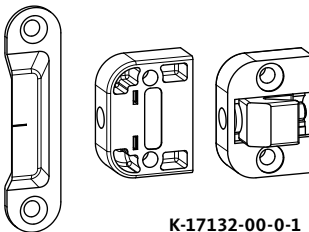


Sec centre-closer set

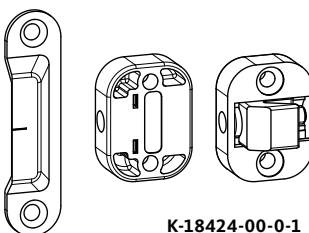
Versions/order numbers			
Designation	SD [mm]	PU	Order no.
Sec centre-closer set, vertical	10	1	K-15227-00-0-1
	28	1	K-15567-00-0-1



K-11864-00-0-1/-18



K-17132-00-0-1



K-18424-00-0-1

Centre-closer set

Versions/order numbers				
Designation	SD [mm]	Finish	PU	Order no.
Centre-closer set, vertical	10	ferGUard	1	K-11864-00-0-1
		faceGUard	1	K-11864-00-0-18
	28	ferGUard	1	K-17132-00-0-1
	28	ferGUard	1	K-18424-00-0-1

Moving safely and easily

OPERATION

SAFED



In modern construction, the requirements in relation to functionality and operating reliability of Lift&Slide elements are becoming increasingly complex. The experience and technical expertise of Gretsch-Unitas gives it the leading edge which is proving successful in moving large and heavy Lift&Slide elements comfortably and safely.

A trend which is becoming more and more prevalent, not only in residential buildings but also in commercial or public buildings, is the use of large-format Lift&Slide systems to maximise opening widths that are also subject to intensive use, often by different persons. As Lift&Slide sashes become increasingly heavier, the challenge is to ensure they can still be moved safely and easily, without causing injury to persons, or damage to the element or building structure.

1 Gentle braking operation
HS SilentClose

2 Reliable stopping before end position
HS StopUnit

3 Outstanding operating reliability
HS SpeedLimiter

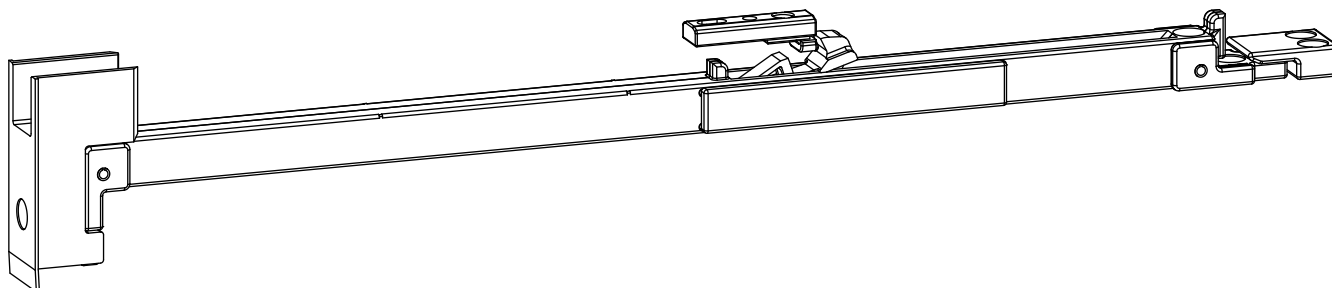
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Gretsch-Unitas



- 4 For rebound-free lowering of the sash
Handle damper
- 5 Damped installation without damages
Buffer S

HS SilentClose and HS StopUnit damping units

Order information



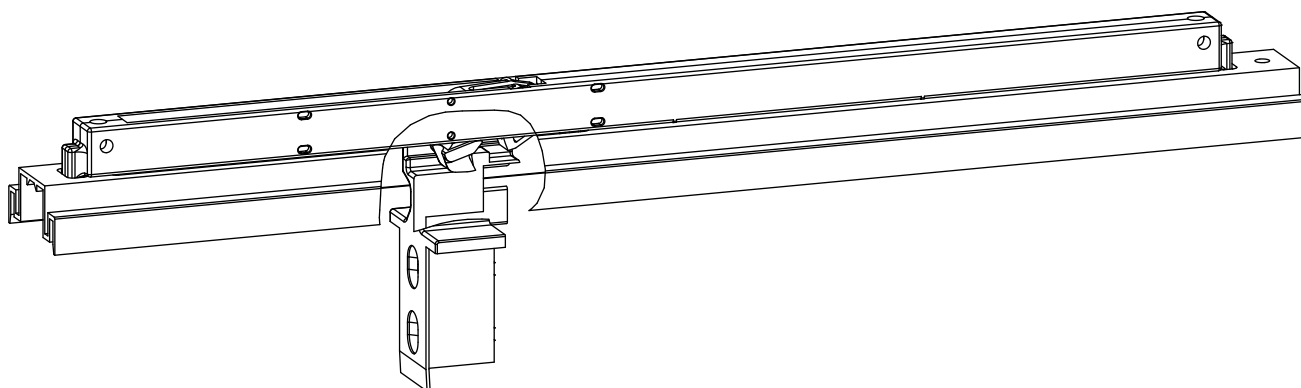
HS SilentClose / HS StopUnit for timber elements with guide track P 1786

Installation instructions 0-47643 / installation drawing 0-47746

The specified installation drawings represent the documentation status up to May 2021.

Please use the documentation 0-49408 (P 1786 / P 2301).

You can find more detailed information on page 10 / 11.



HS SilentClose / HS StopUnit for timber elements with guide track P 1850

Installation instructions 0-47662 / installation drawing 0-47747

The specified installation drawings represent the documentation status up to May 2021.

Please use the documentation 0-48888 (P 1850).

You can find more detailed information on page 10 / 11.

Notes

The HS SilentClose and HS StopUnit damping units are not designed as safety components to protect people. They are designed to provide convenience and to protect the element.

The HS SilentClose and HS StopUnit damping units cannot always be used in the open position direction due to different profile systems.

Due to the profile-specific sealing systems, the closing force of the HS SilentClose may not be sufficient to move the L&S sash completely into the closed position.

Using the HS StopUnit does not increase the operating force. Depending on the damping unit design, the HS SilentClose slightly increases the operating force because the damping unit must be pretensioned in order to move the L&S sash to the end position.



HS SilentClose damping unit

For even safer operation of sashes weighing up to 200 kg and up to 400 kg

HS SilentClose damping unit gently brakes the L&S sash as it travels to the open and closed position and moves it to the corresponding end position. The installation is concealed.

Up to two damping units can be used per sliding sash (open and closed position). The HS StopUnit damping unit and the HS SilentClose damping unit can be combined. Opening and closing can be controlled separately via both products.

Versions/order numbers

Designation	SW [kg]	PU	Order no.
HS SilentClose damping unit	up to 200	1	K-19463-01-0-6
	up to 400	1	K-19463-00-0-6

HS StopUnit damping unit

For even safer operation of sashes weighing up to 200 kg and up to 400 kg

The HS StopUnit damping unit gently brakes the L&S sash as it travels to the open and closed position. The L&S sash must be consciously moved to the corresponding end position. The installation is concealed.

Up to two damping units can be used per sliding sash (open and closed position). The HS StopUnit damping unit and the HS SilentClose damping unit can be combined. Opening and closing can be controlled separately via both products.

Versions/order numbers

Designation	SW [kg]	PU	Order no.
HS StopUnit damping unit	up to 200	1	K-19955-01-0-6
	up to 400	1	K-19955-00-0-6

Accessories for HS SilentClose and HS StopUnit

- Depending on which guide track is used

Versions/Order numbers

Guide track P 1786 Pattern A			
Installation position	Finish	PU	Order no.
Handle side, closed position	light grey	1	K-19450-00-0-1
	black	1	K-19450-00-0-6
Meeting-stile side, open position 4 mm roller track	light grey	1	K-19451-05-0-1
	black	1	K-19451-05-0-6
Meeting-stile side, open position 10 mm roller track	light grey	1	K-19451-10-0-1
	black	1	K-19451-10-0-6
Guide track P 1850 Pattern A			
Handle side, closed position	light grey	1	K-19490-00-0-1
	black	1	K-19490-00-0-6
Guide track P 1850 Pattern C [1]			
	light grey	1	K-19908-00-0-1
	black	1	K-19908-00-0-6

[1] Set K-19908 includes the accessories for 2 damping units.

HS SpeedLimiter

Benefits and application ranges



Benefits

- The HS SpeedLimiter prevents the sliding sash from accelerating to avoid
 - personal injury
 - damage to the structure
- Unrestricted ease of operation
- Simple installation; retrofittable
- Ideally suited for installation in public buildings such as, e.g. schools
- Suitable for elements of timber, PVC, and aluminium
- Sticker with operating instructions 9-50594-00-0-1 to be ordered separately

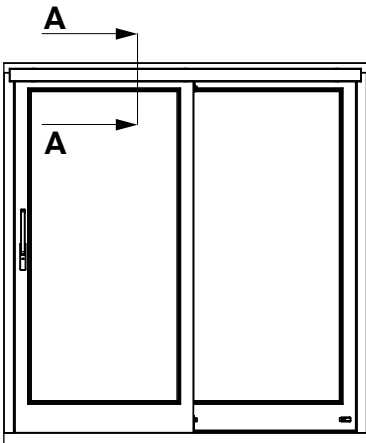
Application ranges

HS SpeedLimiter	
Sliding speed [m/s]	0.2 [1]
Sash width [mm]	max. 3300 [2] [3]
Sash height [mm]	max. 2765 [2] [3]
Sash weight [kg]	max. 400 [2]
Sash configurations	Pattern A and C

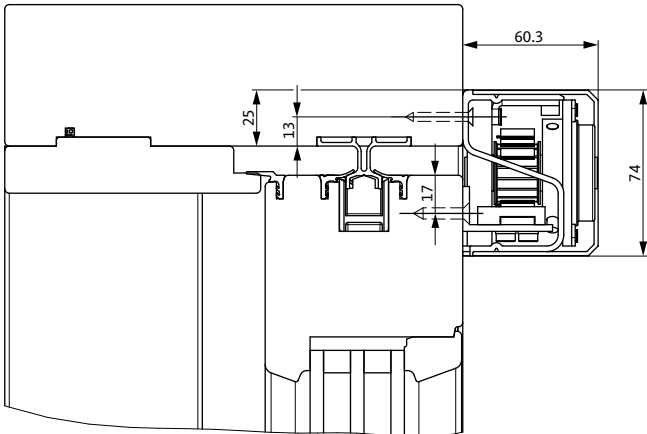
[1] The HS SpeedLimiter complies with the maximum sliding speed of 0.2 m/s stipulated in the German accident prevention regulations and in the VHBH directive.
[2] Coordinated with Lift&Slide hardware GU-934
[3] Coordinated with Lift&Slide hardware GU-937

Installation drawing 0-44550

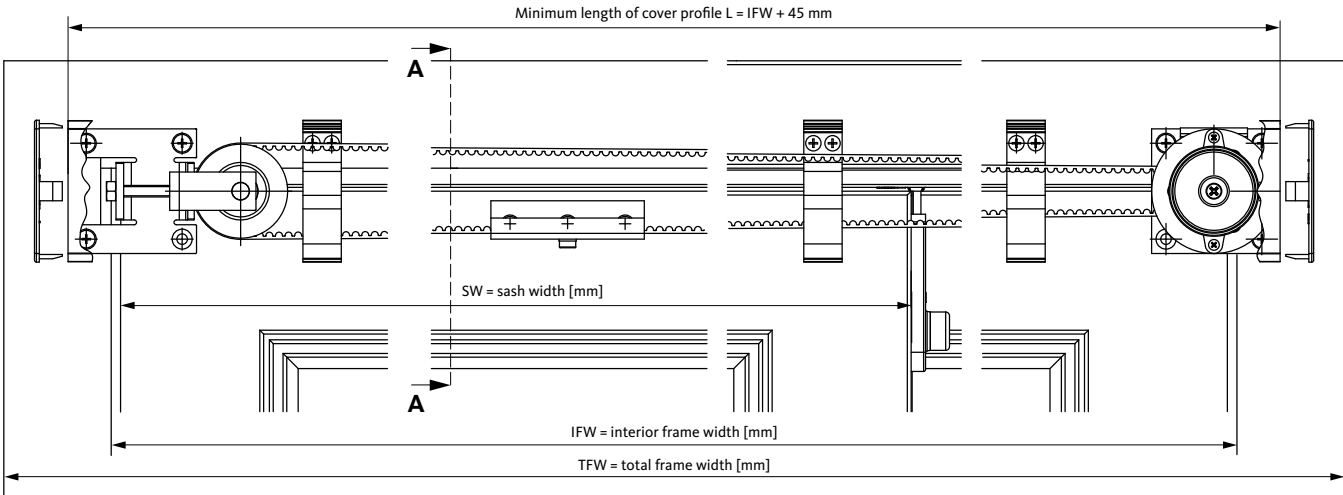
The specified installation drawings represent the documentation status up to May 2021.
Please use the documentation 0-49408 (P 1786 / P 2301) and 0-48888 (P 1850).
You can find more detailed information on page 10 / 11.



Interior view – pattern A



Section A – A





Hardware requirements depending on sash size for pattern A and C

HS SpeedLimiter basic hardware set					
Pattern		Designation	Finish	PU	Order no.
A	C				
1	2	HS SpeedLimiter basic hardware set	EV 1 / light grey	1	K-17179-20-0-1

Set of profiles for HS SpeedLimiter						
Pattern		SW [mm]	TFW [mm]	Finish	PU	Order no.
A	C					
1	–	– 1950	– 4000	EV 1 / light grey	1	K-17180-40-0-1
1	–	1951 – 3300	4001 – 6700	EV 1 / light grey	1	K-17180-67-0-1
–	1	– 1450	– 6700	EV 1 / light grey	1	K-17180-67-0-1
–	2	1451 – 1950	6701 – 8000	EV 1 / light grey	1	K-17180-40-0-1
–	2	1951 – 3300	8001 – 13400	EV 1 / light grey	1	K-17180-67-0-1

Comfortable ventilation and burglar protection in one system

VENTILATION

OPTIMISED



Modern Lift&Slide elements are highly energy efficient and tight. Although this is good for the environment and reduces costs, it is more or less impossible to reconcile with the need for to exchange the exhaust air on the inside with the fresh air on the outside. This is why the most common ventilation method with Lift&Slide elements is still inrush airing, which is accompanied to some extent by a risk of burglary.

Night ventilation for Lift&Slide doors is an exclusive solution by Gretsche-Unitas that offers users and window/door fabricators high ventilation comfort and burglar protection rolled into one. The Lift&Slide door remains securely locked in the ventilation position. The system is tested to resistance class RC 2, which guarantees that customers with higher expectations receive an innovative security and comfort package.



- 1 Open but still securely locked
Night ventilation for Lift&Slide doors

- 2 Effective secure night ventilation
Night vent frame cam and bottom keeper

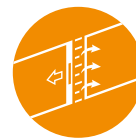
EXCLUSIVELY FROM GRETSCH-UNITAS

The system is also tested to RC 2 in the ventilation position and is therefore burglar resistant.

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Gretsch-Unitas

L&S night vent module – pattern A

with insect screen, RC 2-tested – important notes and ranges of application



Application ranges

The L&S night vent module, pattern A, is suitable for

- Lift&Slide hardware
 - GU-934
 - GU-934 Tandem
 - GU-937
 - GU-937 Tandem
- Profile systems with sash distance 28 mm
- Frame widths of at least 63 mm
- Using the guide track
 - P 1786
 - P 1850
- Using Lift&Slide gears with
 - 37.5 mm backset
 - 27.5 mm backset

Installation drawings

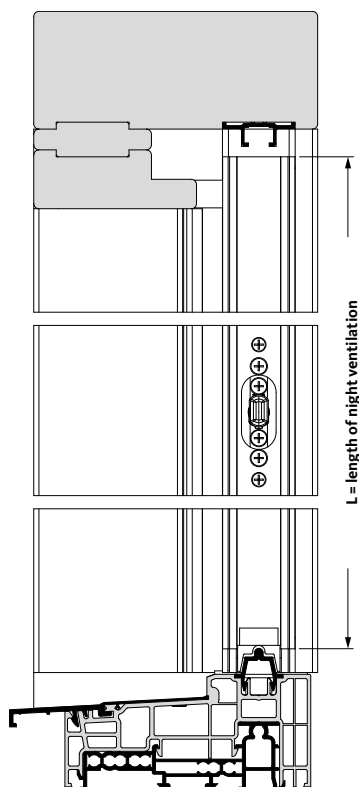
The L&S night vent module is a component of every installation drawing.

You can find the right installation drawing for your profile system in Chapter 1.0 "System overviews for Lift&Slide elements made of timber"

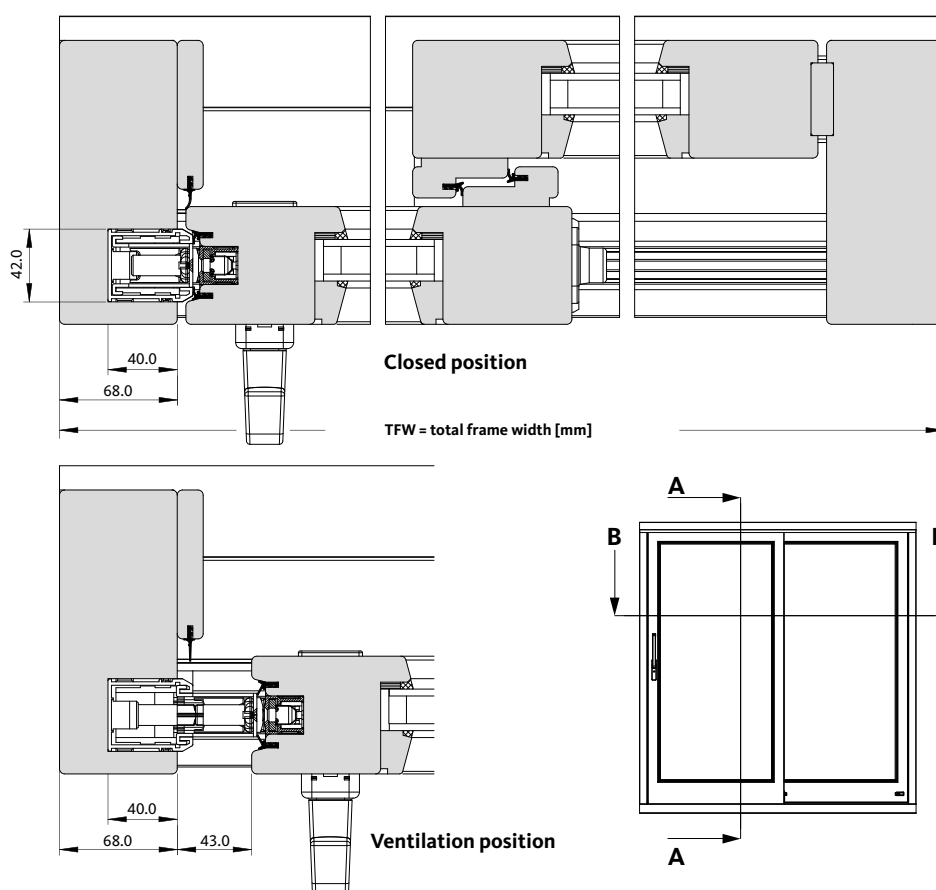
The specified installation drawings represent the documentation status up to May 2021.

Please use the documentation 0-49408 (P 1786 / P 2301) and 0-48888 (P 1850).

You can find more detailed information on page 10 / 11.



Section A – A

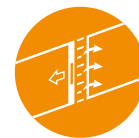


Section B – B

Interior view

L&S night vent module – pattern A

with insect screen, RC 2-tested – order information



Step 1: Order your standard hardware set

Standard hardware sets		
Pattern A	Designation	Order information from page
Hardware set (choose from the following variants):		
1	Standard hardware set: GU-934 Lift&Slide hardware	100
1	Standard hardware set: GU-934 Lift&Slide tandem hardware	104
1	Standard hardware set: GU-937 Lift&Slide hardware	108
1	Standard hardware set: GU-937 Lift&Slide tandem hardware	112
Threshold set		
1	As desired	116
Guide track set		
1	As desired	202

Step 2: In addition to the standard hardware set, order the following components:

L&S turn handle – a turn handle with 90° detent is recommended for the L&S night vent module.				
Pattern A	Designation	Finish	PU	Order no.
1	DIRIGENT L&S turn handle Inside, with PC hole, 90° detent [1] [2] ST to 80 mm	EV 1	1	K-13263-00-0-1
		dark brown [3]	1	K-13263-00-0-5
		white	1	K-13263-00-0-7

[1] You can find other turn handle versions in Chapter 6.0 "Turn handles and accessories".

[2] We recommend the use of a buffer – see pages 225 + 226.

[3] Similar to RAL 8022

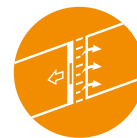
L&S night ventilation					
Pattern A	Designation	SH [mm]	Finish	PU	Order no.
1	L&S night ventilation	1235 – 1865	–	1	K-17705-19-0-1
		1866 – 2365	–	1	K-17705-24-0-1
		2115 – 2765	–	1	K-17705-28-0-1
Optional part:					
Pattern A	Designation		Guide track	PU	Order no.
1	L&S night vent extension 500 [4]		P 1786	1	K-17946-01-0-1
[4] Also required: gear extension 500 mm (EV 1 = 6-32030-00-0-1 / UC 5 = 6-32030-00-0-5)					

L&S night vent module accessories					
Pattern A	Guide track	Roller track	Finish	PU	Order no.
1	P 1786	P 2209 (4 mm)	–	1	K-17564-05-0-1
		P 1659 (10 mm)	–	1	K-17564-10-0-1
		P 1635 (15 mm)	–	1	K-17564-15-0-1
1	P 1850	P 2209 (4 mm)	–	1	K-18062-05-0-1
		P 1659 (10 mm)	–	1	K-18062-10-0-1

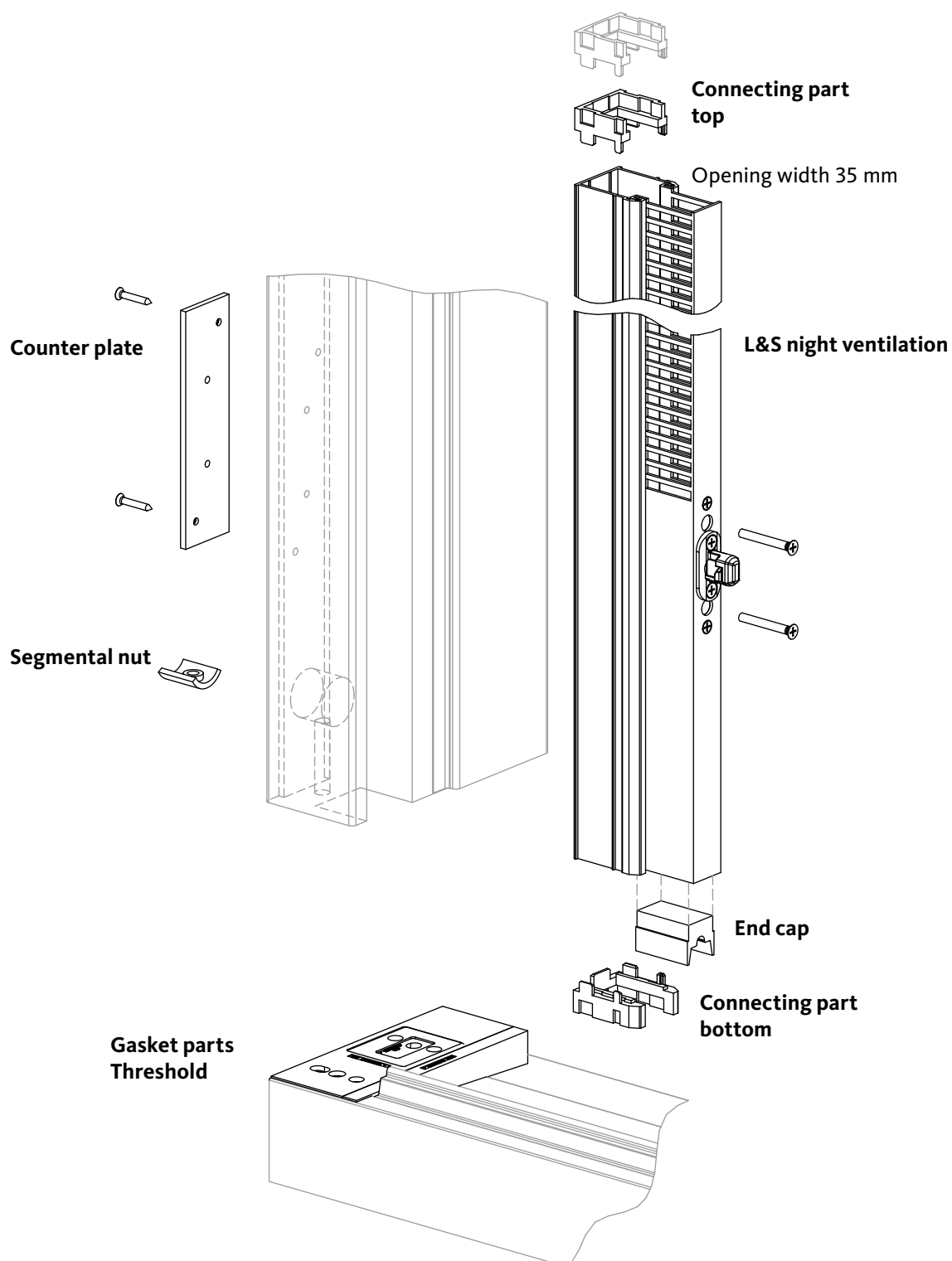
Gasket parts / gasket profile					
Pattern A	Designation	Length [m.]	Finish	PU	Order no.
1	L&S night ventilation Gasket profile [5]	100	light grey	1	W751048-00-0-1
[5] Required length = sash height -6 mm					

L&S night vent module – pattern A

with insect screen, RC 2-tested – individual parts



L&S night vent module individual parts





Design and function are not mutually exclusive

DESIGN

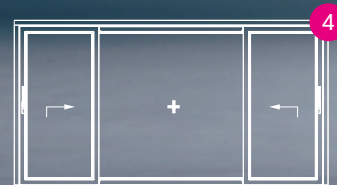
HONED TO PERFECTION



Large-format glass frontages have a decisive impact on the architectural design of modern buildings. They must inspire and enthuse both functionally and aesthetically.

Complex technical solutions are required to meet the increasing demands in relation to the security and comfort of Lift&Slide doors. The expectations in relation to the aesthetic quality of buildings that provide an environment that is highly conducive to living and working are however also increasing. As far as Gretsche-Unitas is concerned, perfect functionality always goes hand in hand with aesthetic design that can be adapted to the required ambience in each case.

The right sash configuration for every room design – up to a total width of 20 metres.



1 Maximum glazing to maximise sense of space
GU panoramic glazing

2 Moving as if by magic
Concealed top guide track

3 Comfortable operation with appealing design
Turn handles

4 Versatile and multi-faceted
Patterns A–L



- 5 Corner elegance
Lift&Slide element for 90° corner

- 6 Elegant, comfortable and barrier-free
HS ePOWER motor-driven drive

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L&S elements with panoramic glazing

Order information – patterns A and C



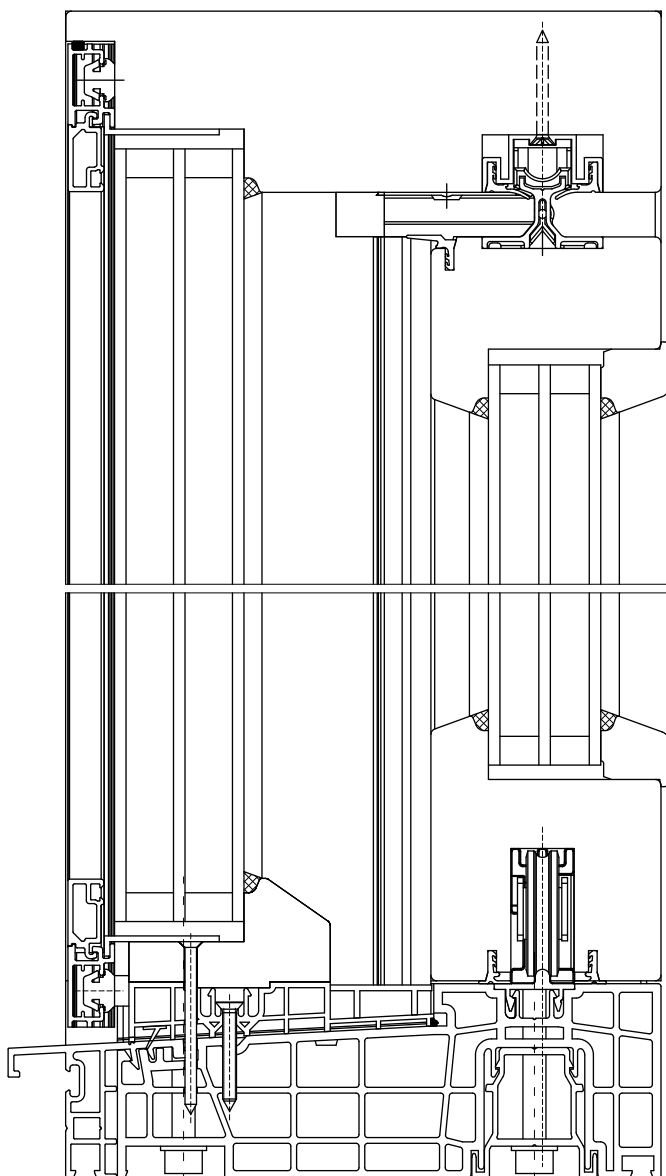
Lift&Slide element GU-934/GU-937 with

- Sash thickness 80 mm
- GU-thermostep 204 threshold
- Guide track P 1850

Installation drawings

You can find details about the element and the hardware installation in the installation drawings

- 0-47328 timber neutral
- 0-47325 timber/aluminium system, Stemeseder
- 0-47326 timber/aluminium system, Gutmann





Step 1: Order your standard hardware set

Standard hardware sets	
Designation	Order information from page
Hardware set (choose from the following variants):	
Lift&Slide hardware GU-934	100
Lift&Slide hardware GU-934 Tandem	104
Lift&Slide hardware GU-937	108
Lift&Slide hardware GU-937 Tandem	112
Threshold set:	
GU-thermostep 204 threshold	116
Guide track set:	
Guide track P 1850	204

Step 2: In addition to the standard hardware set, order the following components:

Designation	PU	Order no.
Accessories set for attachment track	Pattern A	1 K-19476-00-0-1
	Pattern C	1 K-19476-10-0-1
Substitute for: L&S accessories for threshold (K-18701-00-0-1) of standard threshold set		

Designation	PU	Order no.
Corner connector set for panoramic glazing	Pattern A	1 K-19466-00-0-1
The corner connector (K-17914-03-0-1) of the standard threshold set is used for pattern C.		

Designation	PU	Order no.
Drilling jig for attachment track/centre mullion	1	6-39093-00-0-0
Drilling jig for frame-to-threshold corner connection on passage area	1	6-36129-06-0-0
Drilling jig for frame corner connection	1	6-36129-88-0-0
Drilling jig for corner connector, fixed-glazed sash	1	6-37324-02-0-0
Drilling jig for corner connector, passage area	1	6-37324-06-0-0

L&S elements with panoramic glazing

Order information – patterns A and C – timber/aluminium system, Stemeseder



Step 1: Order your standard hardware set

Standard hardware sets	
Designation	Order information from page
Hardware set (choose from the following variants):	
Lift&Slide hardware GU-934	100
Lift&Slide hardware GU-934 Tandem	104
Lift&Slide hardware GU-937	108
Lift&Slide hardware GU-937 Tandem	112
Threshold set:	
GU-thermostep 204 threshold	116
Guide track set:	
Guide track P 1850	204

Step 2: In addition to the standard hardware set, order the following components:

Designation	PU	Order no.
Accessories set for attachment track	Pattern A	1 K-19475-00-0-1
	Pattern C	1 K-19475-10-0-1
Substitute for: L&S accessories for threshold (K-18701-00-0-1) of standard threshold set		

Designation	PU	Order no.
Drilling jig for attachment track/centre mullion	1	6-39093-00-0-0
Drilling jig for frame corner connection	1	6-36129-05-0-0
Drilling jig for corner connector	1	6-37324-05-0-0



Step 1: Order your standard hardware set

Standard hardware sets	
Designation	Order information from page
Hardware set (choose from the following variants):	
Lift&Slide hardware GU-934	100
Lift&Slide hardware GU-934 Tandem	104
Lift&Slide hardware GU-937	108
Lift&Slide hardware GU-937 Tandem	112
Threshold set:	
GU-thermostep 204 threshold	116
Guide track set:	
Guide track P 1850	204

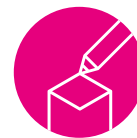
Step 2: In addition to the standard hardware set, order the following components:

Designation	PU	Order no.
L&S accessories set for attachment track	Pattern A	1 K-19474-00-0-1
	Pattern C	1 K-19474-10-0-1
Substitute for: L&S accessories for threshold (K-18701-00-0-1) of standard threshold set		

Designation	PU	Order no.
Drilling jig for attachment track/centre mullion	1	6-39093-00-0-0
Drilling jig for frame corner connection on passage area	1	6-36129-88-0-0
Drilling jig for corner connector	1	6-37324-02-0-0

L&S elements with floor-to-ceiling panoramic glazing

Order information – patterns A and C – timber/aluminium system, Stemeseder

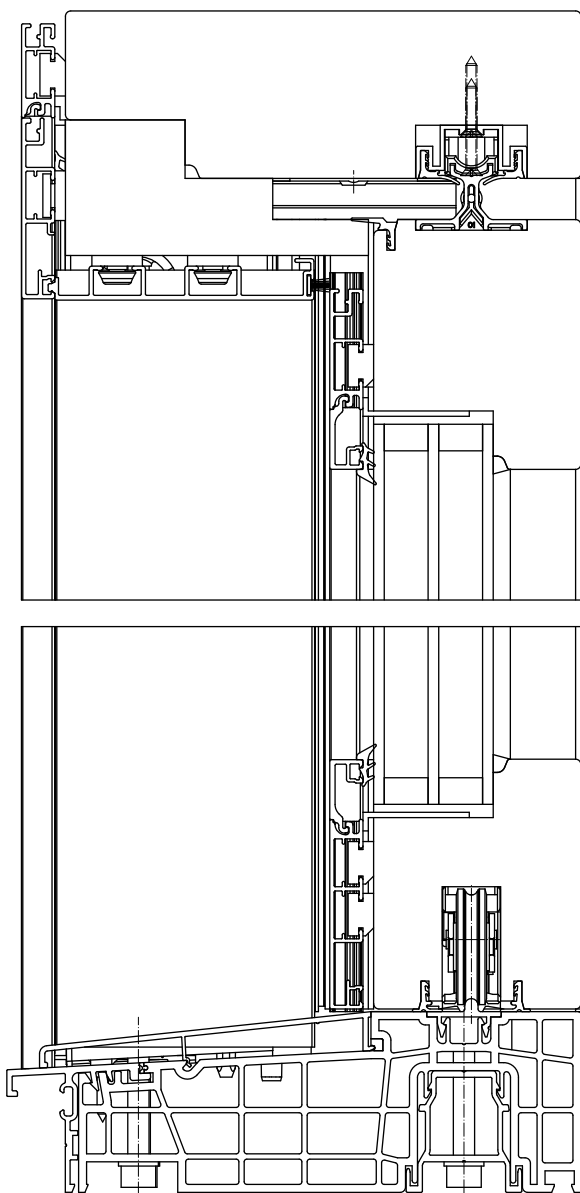


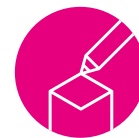
Lift&Slide element GU-934/GU-937 with

- Sash thickness 78 mm
- GU-thermostep 204 threshold
- Guide track P 1850

Installation drawings

You can find details about the element and the hardware installation in the installation drawing
– 0-48934 timber/aluminium system, Stemeseder ECO 300





Step 1: Order your standard hardware set

Standard hardware sets	
Designation	Order information from page
Hardware set (choose from the following variants):	
Lift&Slide hardware GU-934	100
Lift&Slide hardware GU-934 Tandem	104
Lift&Slide hardware GU-937	108
Lift&Slide hardware GU-937 Tandem	112
Threshold set:	
GU-thermostep 204 threshold	116
Guide track set:	
Guide track P 1850	204

Step 2: In addition to the standard hardware set, order the following components:

Pattern		Designation	PU	Order no.
A	C			
1	2	Set timber / aluminium panoramic accessories	1	K-20155-01-0-1
1	2	L&S glass retaining profile Stemeseder, length = 3300 mm	1	P-02235-33-0-1

Substitute for: L&S corner connector and attachment track of standard threshold set

Designation	PU	Order no.
Drilling jig for corner connector, passage area	1	6-37324-05-0-0
Drilling jig for corner connector, fixed-glazed sash	1	6-37324-02-0-0
Drilling jig for threshold-to-mullion connector	1	6-40603-00-0-0
Drilling jig for floor-to-ceiling frame timber, passage area	1	6-36129-05-0-0
Drilling jig for frame corner connection	1	6-36129-88-0-0

L&S elements with floor-to-ceiling panoramic glazing

Order information – patterns A and C –
timber/aluminium system, Gutmann Mira Contour

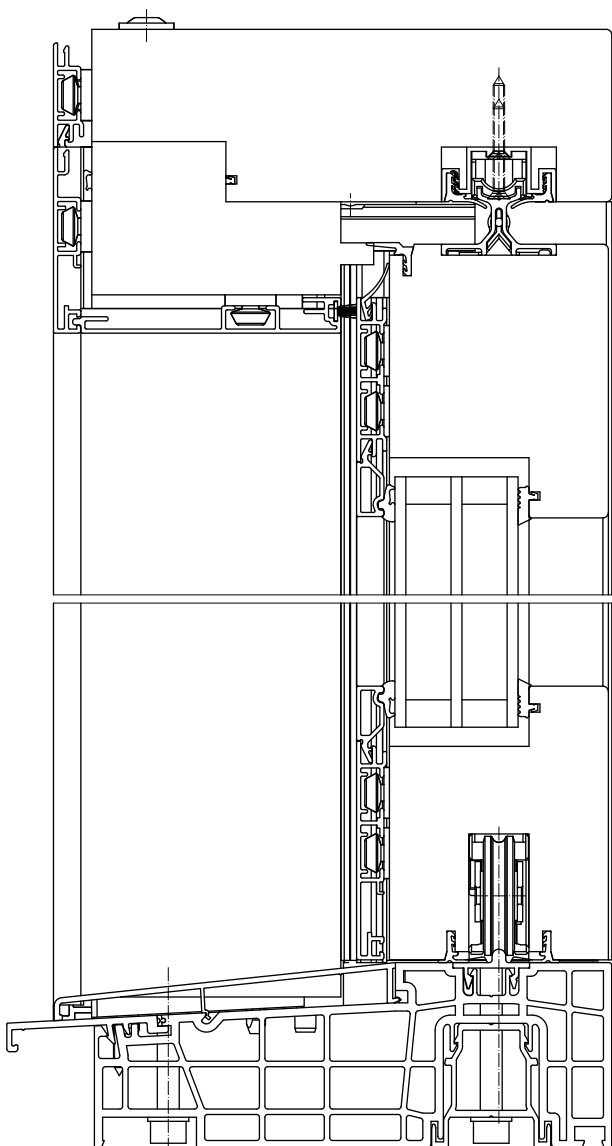


Lift&Slide element GU-934/GU-937 with

- Sash thickness 80 mm
- GU-thermostep 204 threshold
- Guide track P 1850

Installation drawings

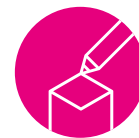
You can find details about the element and the hardware installation in the
installation drawing
– 0-49276 timber/aluminium system, Gutmann Mira Contour



L&S elements with floor-to-ceiling panoramic glazing



Order information – patterns A and C –
timber/aluminium system, Gutmann Mira Contour



Step 1: Order your standard hardware set

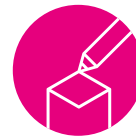
Standard hardware sets	
Designation	Order information from page
Hardware set (choose from the following variants):	
Lift&Slide hardware GU-934	100
Lift&Slide hardware GU-934 Tandem	104
Lift&Slide hardware GU-937	108
Lift&Slide hardware GU-937 Tandem	112
Threshold set:	
GU-thermostep 204 threshold	116
Guide track set:	
Guide track P 1850	204

Step 2: In addition to the standard hardware set, order the following components:

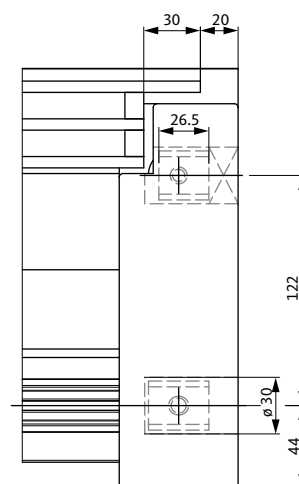
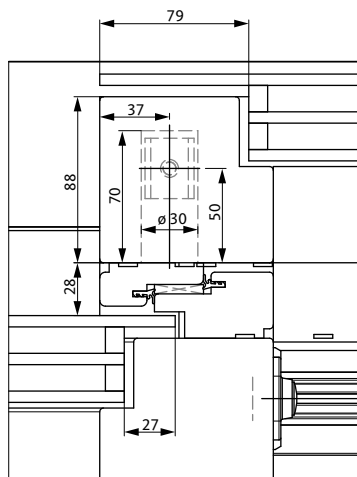
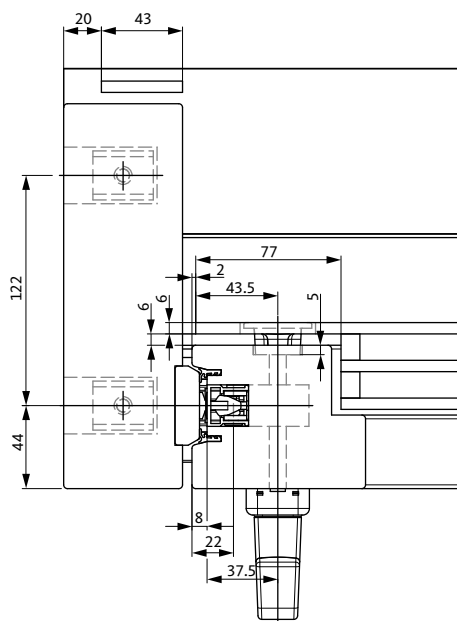
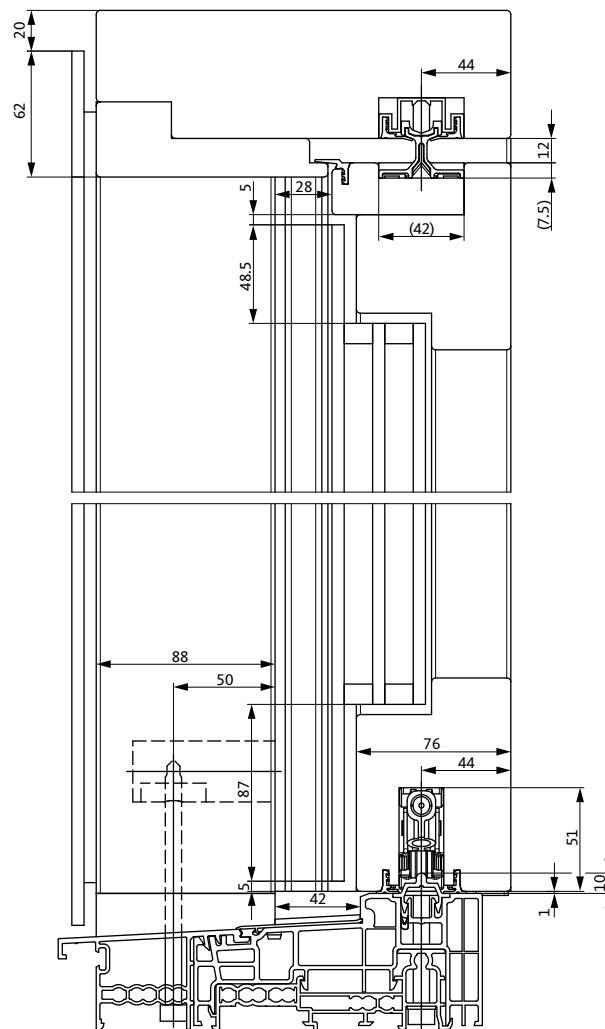
Pattern		Designation	PU	Order no.
A	C			
1	–	Set timber / aluminium panoramic accessories Gutmann	1	K-20857-00-0-1
–	1	Set timber / aluminium panoramic accessories Gutmann	1	K-20858-00-0-1
1	2	L&S glass retaining profile Gutmann, length = 3300 mm	1	P-02292-33-0-1

Substitute for: L&S corner connector and attachment track of standard threshold set

Designation	PU	Order no.
Drilling jig for corner connector, passage area	1	6-37324-02-0-0
Drilling jig for corner connector, fixed-glazed sash	1	6-37324-07-0-0
Drilling jig for bottom threshold-to-mullion connector	1	6-40603-01-0-0
Drilling jig for floor-to-ceiling frame timber, passage area	1	6-39093-01-0-0
Drilling jig for frame corner connection	1	6-36129-88-0-0



- Sash thickness 88 mm
- Sash distance 28 mm
- GU-thermostep 164 threshold
- Guide track P 1850



L&S elements with fixed sidelight

Pattern A, 90° corner



Lift&Slide element GU-934 with

- Sash thickness 88 mm
- Sash distance 28 mm
- GU-thermostep 164 threshold
- Guide track P 1850

Installation drawings

You can find details about the element and the hardware installation in installation drawing 0-47330. For different details of the fixed sidelight, refer to installation drawing 0.45679.

The specified installation drawings represent the documentation status up to May 2021.

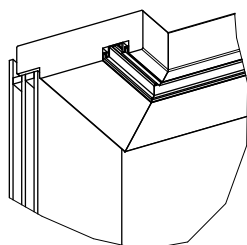
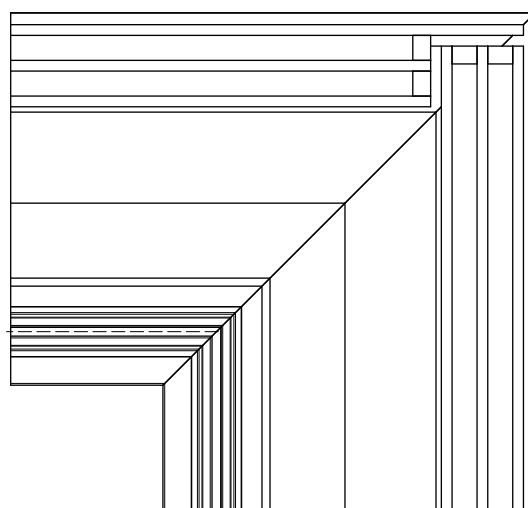
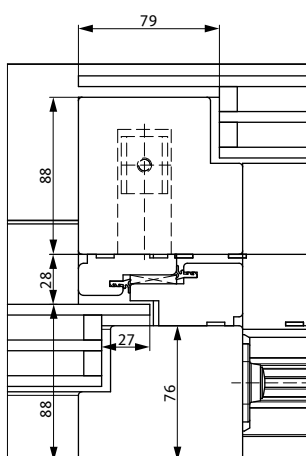
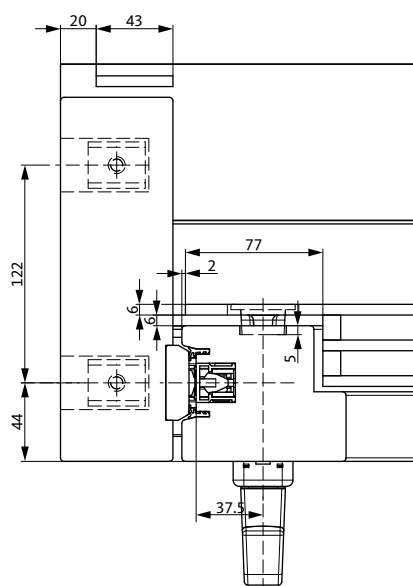
Please use the documentation 0-48888 (P 1850).

You can find more detailed information on page 10 / 11.

Note

The glazing and the necessary profile geometries are illustrated there as a suggestion. When implementing these elements, these details must be coordinated with the glass manufacturers.

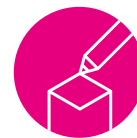
The installation and gluing of the glass panes is carried out in coordination with the glass and glue manufacturers.



Provide L&S damping unit for sliding sash
Order number K-19027-00-0-0

L&S elements with fixed sidelight

Order information: Lift&Slide hardware



L&S bogie

Pattern A	Designation	Finish	PU	Order no.	
				fixed sidelight	fixed sidelight and 90° corner
1	L&S bogie GU-934	ferGUard	1	K-16488-00-0-1	K-16488-00-0-1
		faceGUard	1	K-16488-00-0-18	K-16488-00-0-18

Rod Ø 8 mm

Pattern A	Designation	SW [mm]	Finish	PU	Order no.	
					fixed sidelight	fixed sidelight and 90° corner
1	Rod Ø 8 mm	720 – 1600	ferGUard	1	9-25476-11-0-1	9-25476-11-0-1
			faceGUard	1	9-25476-11-0-18	9-25476-11-0-18
		1601 – 1850	ferGUard	1	9-25476-14-0-1	9-25476-14-0-1
			faceGUard	1	9-25476-14-0-18	9-25476-14-0-18
		1851 – 2350	ferGUard	1	9-25476-18-0-1	9-25476-18-0-1
			faceGUard	1	9-25476-18-0-18	9-25476-18-0-18
		2351 – 3300	ferGUard	1	9-25476-33-0-1	9-25476-33-0-1
			faceGUard	1	9-25476-33-0-18	9-25476-33-0-18

Lift&Slide gear, 37.5 mm backset

Pattern A	Designation	SH [mm]		Finish		PU	Order no.	
		4 mm roller track	10 mm roller track	Cover rail	Lock case		fixed sidelight	fixed sidelight and 90° corner
1	Lift&Slide gear, 37.5 mm backset	840 – 1260	845 – 1265	EV 1	ferGUard	10	6-30021-11-0-1	6-30021-11-0-1
				UC 5	ferGUard	10	6-30021-11-0-5	6-30021-11-0-5
		1210 – 1840	1215 – 1845	EV 1	ferGUard	10	6-30021-19-0-1	6-30021-19-0-1
				UC 5	ferGUard	10	6-30021-19-0-5	6-30021-19-0-5
		1840 – 2340	1845 – 2345	EV 1	ferGUard	10	6-30021-24-0-1	6-30021-24-0-1
				UC 5	ferGUard	10	6-30021-24-0-5	6-30021-24-0-5
				EV 1	faceGUard	10	6-30021-24-0-18	6-30021-24-0-18
		2090 – 2740	2095 – 2745	EV 1	ferGUard	10	6-30021-28-0-1	6-30021-28-0-1
				UC 5	ferGUard	10	6-30021-28-0-5	6-30021-28-0-5
				EV 1	faceGUard	10	6-30021-28-0-18	6-30021-28-0-18

L&S accessories, hardware

Pattern A	Designation	Finish	PU	Order no.	
				fixed sidelight	fixed sidelight and 90° corner
1	L&S accessories, hardware	ferGUard	1	K-16606-00-0-1	K-16606-00-0-1
		faceGUard	1	K-16606-00-0-18	K-16606-00-0-18
Optional					
1	Frame cam 1/S for an additional night ventilation position	ferGUard	1	9-29228-00-0-1	9-29228-00-0-1
1	L&S bottom keeper for additional securing of the night ventilation position; in combination with the frame cam 1/S	stainless steel	1	K-12057-00-0-1	K-12057-00-0-1

L&S elements with fixed sidelight

Order information: Lift&Slide hardware



Gasket plate

Pattern A	Designation	Finish	PU	Order no.	
				fixed sidelight	fixed sidelight and 90° corner
1	Gasket plate	black	1	9-45753-00-0-6	9-45753-00-0-6

P 743 gasket

Pattern A	Designation	Length	Finish	PU	Order no.	
					fixed sidelight	fixed sidelight and 90° corner
2	P 743 gasket profile, meeting stile	100 m	black	1	W751012-00-0-6	W751012-00-0-6
2	P 743 gasket corner	2500 mm	black	1	9-26729-25-0-6	9-26729-25-0-6
		3500 mm	black	1	9-26729-35-0-6	9-26729-35-0-6

L&S turn handle and L&S flush pull [1]

Pattern A	Designation	ST [mm]	Finish	PU	Order no.	
					fixed sidelight	fixed sidelight and 90° corner
1	DIRIGENT interior L&S turn handle without PC hole	88, 90, 92	silver / EV 1 look	1	6-24605-60-0-1	6-24605-60-0-1
			dark brown [2]	1	6-24605-60-0-5	6-24605-60-0-5
			white, RAL 9016	1	6-24605-60-0-7	6-24605-60-0-7
1	L&S flush pull	88, 90, 92	stainless steel	1	9-39035-00-0-8	9-39035-00-0-8
The following must also be ordered for each turn handle:						
2	Fixing screws M6 x 90 mm	88, 90, 92	–	1	9-13274-90-R-1	9-13274-90-R-1

[1] You can find other finishes and handle designs in Chapter 6.0 "Turn handles and accessories".

[2] Similar to RAL 8022

L&S elements with fixed sidelight

Order information: GU-thermostep 164 threshold



GU-thermostep 164 base profile

Pattern A	Designation	Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
						fixed sidelight	fixed sidelight and 90° corner [1]
1	Base profile GU-thermostep 164	Length = TFW	3000	EV 1 / light grey	1	6-29938-30-0-1	6-29938-30-0-1
			3500	EV 1 / light grey	1	6-29938-35-0-1	6-29938-35-0-1
			4000	EV 1 / light grey	1	6-29938-40-0-1	6-29938-40-0-1
			4500	EV 1 / light grey	1	6-29938-45-0-1	6-29938-45-0-1
			5000	EV 1 / light grey	1	6-29938-50-0-1	6-29938-50-0-1
			6700	EV 1 / light grey	1	6-29938-67-0-1	6-29938-67-0-1
				UC 5 / dark bronze	1	6-29938-67-0-5	6-29938-67-0-5

[1] With fixed sidelight and 90° corner, the reference length = total frame width pattern A plus total frame width of the corner element

P 1659 roller track 10

Pattern A	Designation	Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
						fixed sidelight	fixed sidelight and 90° corner [1]
1	P 1659 roller track 10	Length = TFW	4500	EV 1 / light grey	1	9-39330-45-0-1	9-39330-45-0-1
			6700	EV 1 / light grey	1	9-39330-67-0-1	9-39330-67-0-1
				UC 5 / dark bronze	1	9-39330-67-0-5	9-39330-67-0-5

[1] With fixed sidelight and 90° corner, the reference length = total frame width pattern A plus total frame width of the corner element

P 1642 tread threshold

Pattern A	Designation	Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
						fixed sidelight	fixed sidelight and 90° corner
1	P 1642 tread threshold	TFW	1500	EV 1 / light grey	1	9-39318-15-0-1	9-39318-15-0-1
			2000	EV 1 / light grey	1	9-39318-20-0-1	9-39318-20-0-1
			2500	EV 1 / light grey	1	9-39318-25-0-1	9-39318-25-0-1
				UC 5 / dark bronze	1	9-39318-25-0-5	9-39318-25-0-5
			3350	EV 1 / light grey	1	9-39318-33-0-1	9-39318-33-0-1
				UC 5 / dark bronze	1	9-39318-33-0-5	9-39318-33-0-5

P 1837 drip rail 179

Pattern A	Designation	Reference dimension [1]	Length [mm]	Finish	PU	Order no.	
						fixed sidelight	fixed sidelight and 90° corner
1	P 1837 drip rail 179	Length = TFW	3000	EV 1 / light grey	1	9-45646-30-0-1	9-45646-30-0-1
			4000	EV 1 / light grey	1	9-45646-40-0-1	9-45646-40-0-1
			5000	EV 1 / light grey	1	9-45646-50-0-1	9-45646-50-0-1
				UC 5 / dark bronze	1	9-45646-50-0-5	9-45646-50-0-5
			6700	EV 1 / light grey	1	9-45646-67-0-1	9-45646-67-0-1

L&S elements with fixed sidelight

Order information: GU-thermostep 164 threshold and P 1850 guide track



L&S corner connection parts

Pattern A	Designation	Finish	PU	Order no.	
				fixed sidelight	fixed sidelight and 90° corner
1	L&S corner connection parts, top	ferGUard	1	K-10323-00-0-1	K-10323-00-0-1
1	L&S corner connection parts, bottom	ferGUard	1	K-15430-00-0-1	K-15430-00-0-1
1	L&S corner connector	ferGUard	1	K-17914-00-0-1	K-17914-00-0-1

L&S threshold connector 90°

Pattern A	Designation	Finish	PU	Order no.	
				fixed sidelight	fixed sidelight and 90° corner
1	L&S threshold connector 90° for 90° corner connector of the threshold	faceGUard	1	-	K-18075-00-0-18

L&S guide track P 1850

Pattern A	Designation	SW [mm]	TFW [mm]	Finish		PU	Order no.	
				Profiles	Gasket		fixed sidelight	fixed sidelight and 90° corner [1]
1	L&S guide track P 1850	720 – 1450	3000	EV 1	grey	1	K-17997-30-0-1	K-17997-30-0-1
				EV 1	black	1	K-17997-30-0-6	K-17997-30-0-6
		1451 – 1700	3500	EV 1	grey	1	K-17997-35-0-1	K-17997-35-0-1
				EV 1	black	1	K-17997-35-0-6	K-17997-35-0-6
		1701 – 1950	4000	EV 1	grey	1	K-17997-40-0-1	K-17997-40-0-1
				EV 1	black	1	K-17997-40-0-6	K-17997-40-0-6
		1951 – 2200	4500	EV 1	grey	1	K-17997-45-0-1	K-17997-45-0-1
				EV 1	black	1	K-17997-45-0-6	K-17997-45-0-6
		2201 – 2450	5000	EV 1	grey	1	K-17997-50-0-1	K-17997-50-0-1
				EV 1	black	1	K-17997-50-0-6	K-17997-50-0-6
		2451 – 3300	6700	EV 1	grey	1	K-17997-67-0-1	K-17997-67-0-1
				EV 1	black	1	K-17997-67-0-6	K-17997-67-0-6

[1] With fixed sidelight and 90° corner, the reference length = total frame width pattern A plus total frame width of the corner element

L&S accessories for guide P 1850 / with 10 mm roller track

Pattern A	Designation	Finish	PU	Order no.	
				fixed sidelight	fixed sidelight and 90° corner
1	L&S accessories, guide P 1850	grey	1	K-17995-10-0-1	K-17995-10-0-1
		black	1	K-17995-10-0-6	K-17995-10-0-6
2	Cover cap 80	grey	1	9-29147-00-0-1	9-29147-00-0-1
		black	1	9-29147-00-0-6	9-29147-00-0-6
2	Gasket plate with self-adhesive film	black	1	9-43687-04-0-6	9-43687-04-0-6

L&S elements with 90° corner

Pattern C



Lift&Slide element GU-934 with

- Sash thickness 88 mm
- Sash distance 28 mm
- GU-thermostep 164 threshold
- Guide track P 1786 or P 1850

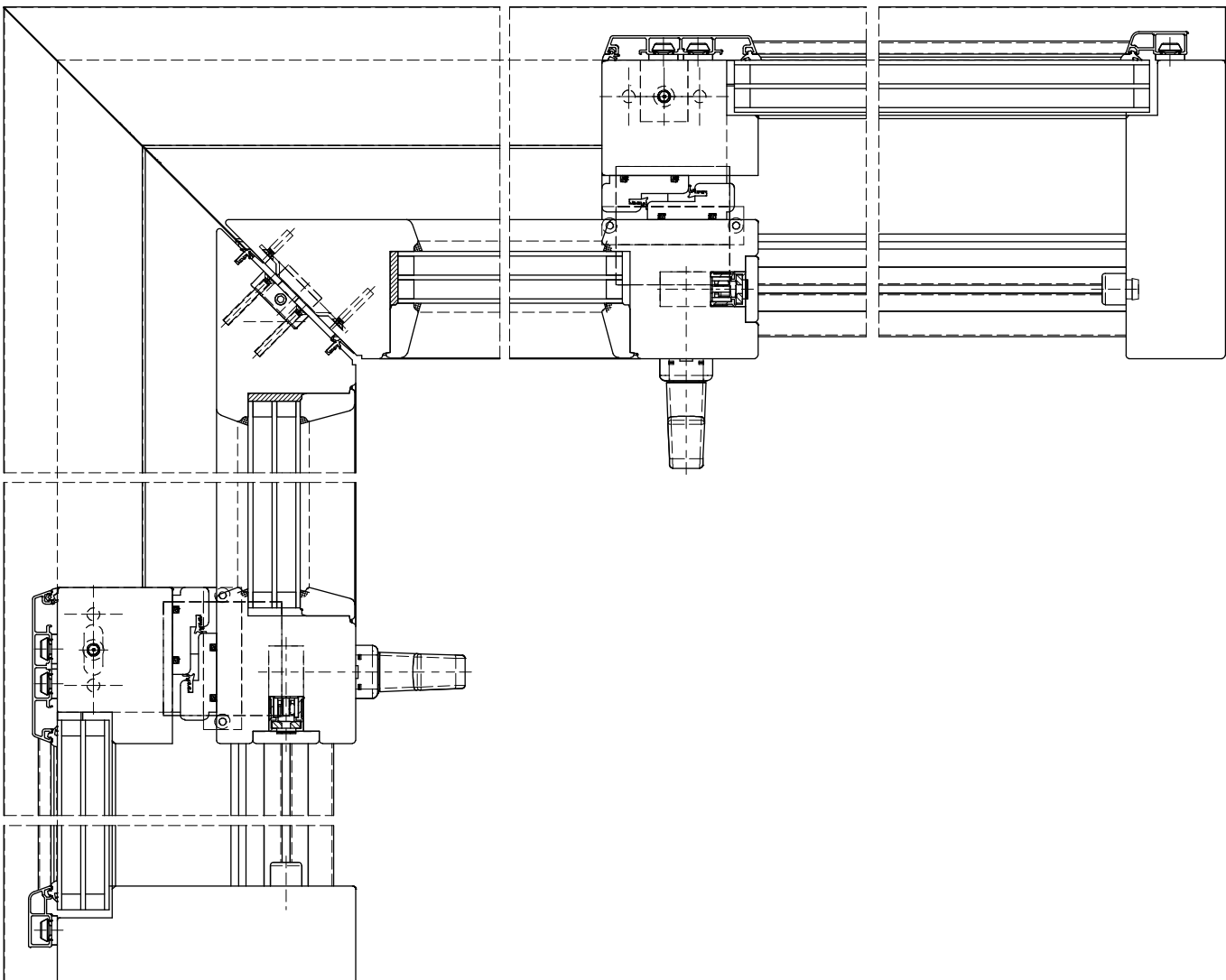
Installation drawings

You can find details about the element and the hardware installation in installation drawing 0-46618. For different fixed sidelight details, refer to installation drawing 0-45914.

The specified installation drawings represent the documentation status up to May 2021.

Please use the documentation 0-49408 (P 1786 / P 2301) and 0-48888 (P 1850).

You can find more detailed information on page 10 / 11.





Step 1: Order your standard hardware set

Standard hardware sets			
Pattern A	Designation	Order information from page	
Hardware set (choose from the following variants):			
2	Lift&Slide hardware GU-934	100	
2	Lift&Slide hardware GU-934 Tandem	104	
Threshold set:			
2	GU-thermostep 164 threshold	138	
Guide track set (choose from the following variants):			
2	P 1786 guide track	202	
2	P 1850 guide track	204	
Pattern A	Designation	PU	Order no.
1	Milling jig for locking	1	6-37087-00-0-0

Step 2: In addition to the standard hardware set, order the following components:

When using the guide track P 1786

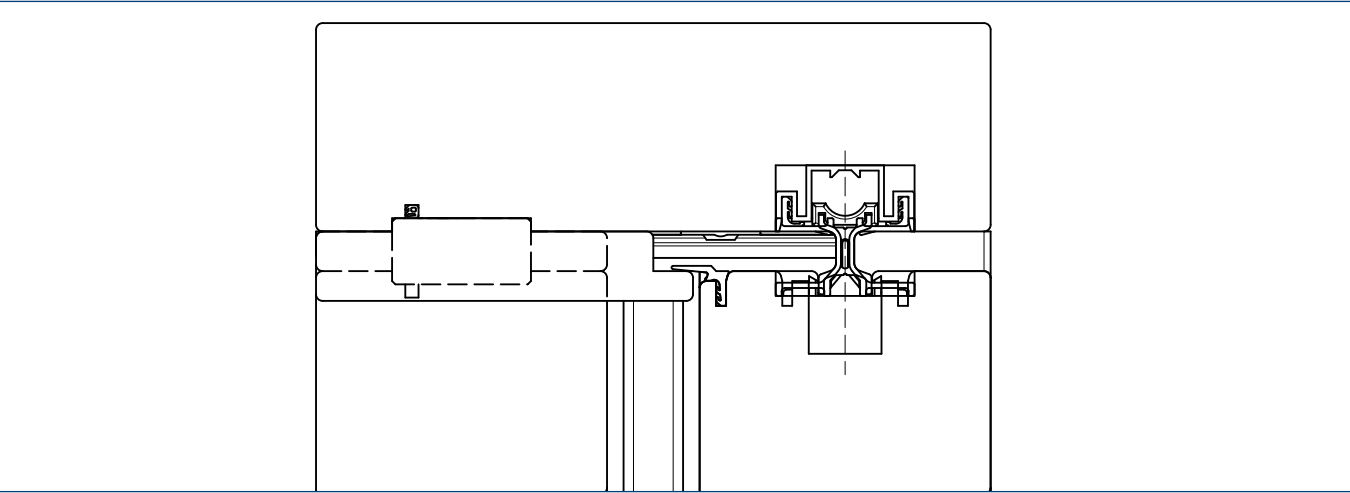
Designation	Lift&Slide hardware	Roller track height [mm]	PU	Order no.
Set of L&S accessories for corner elements	GU-934	5, 10	1	K-18479-20-0-6
Contains: 3 x Sec centre-lock, 3 x striker, 2 x profile-groove prop, 2 x guide, 4 x rubber buffer, gaskets, fixing screws				

When using the guide track P 1850

Designation	Lift&Slide hardware	Roller track height [mm]	PU	Order no.
Set of L&S accessories for corner elements	GU-934	5, 10	1	K-18479-10-0-6
Contains: 3 x Sec centre-lock, 3 x striker, 2 x profile-groove prop, 4 x guide, 4 x rubber buffer, gaskets, fixing screws				

Concealed guide track P 1850

For timber systems as from sash thickness of 56 mm



L&S guide track P 1850

L&S guide track P 1850													Reference dimension	Length [mm]	Finish		PU	Order no.
Pattern												Profile			Gasket			
A	A3	C	D	E	F	G1	G2	G3	H	K	L							
1	1	1	2	2	2	1	1	1	2	1	2	Length = TFW	3000	EV 1	grey	1	K-17997-30-0-1	
														EV 1	black	1	K-17997-30-0-6	
													3500	EV 1	grey	1	K-17997-35-0-1	
														EV 1	black	1	K-17997-35-0-6	
													4000	EV 1	grey	1	K-17997-40-0-1	
														EV 1	black	1	K-17997-40-0-6	
													4500	EV 1	grey	1	K-17997-45-0-1	
														EV 1	black	1	K-17997-45-0-6	
													5000	EV 1	grey	1	K-17997-50-0-1	
														EV 1	black	1	K-17997-50-0-6	
													6700	EV 1	grey	1	K-17997-67-0-1	
														EV 1	black	1	K-17997-67-0-6	

Contains: 1 x guide track P 1850, 1 x guide track P 1849, gasket profiles

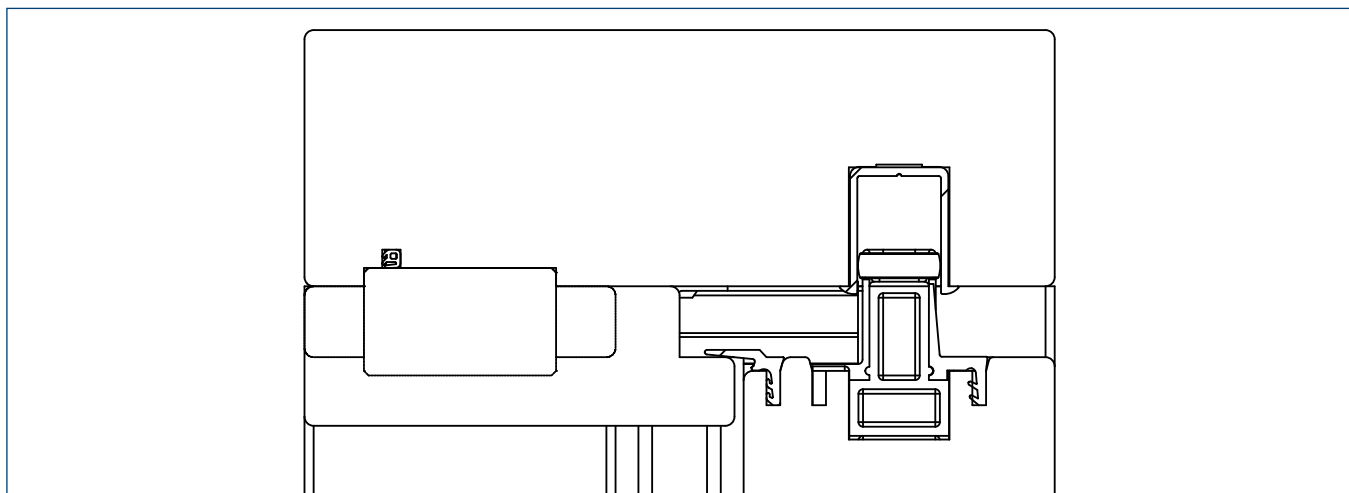
L&S accessories for concealed guide P 1850

L&S accessories for concealed guide P 1850 – 4 mm roller track													Roller track [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	–	2	–	2	–	1	1	1	–	2	4	4	EV 1 / light grey	1	K-19464-00-0-1	
													black	1	K-19464-00-0-6	
Contains: 5 x guide, 2 x frame cam, 1 x top filler piece, 1 x buffer set, 1 x PC cover cap, gaskets, 1 x bottom filler piece (for roller track bb P 2209), 1 x bottom cover plate, concealed																

You can find all individual parts in Chapter 3.3 "Guide track" from page 320.

Concealed guide track P 2301

For timber systems as from sash thickness of 56 mm



L&S guide track P 2301

L&S guide track P 2301																		
Pattern												Reference dimension	Length [mm]	Finish			PU	Order no.
														Profile	Gasket			
A	A3	C	D	E	F	G1	G2	G3	H	K	L				P 1156	P 2322		
1	-	1	-	-	-	-	1	1	-	2	-	Length = TFW	3000	EV 1	grey	black	1	K-21004-30-0-1
														EV 1	black	black	1	K-21004-30-0-6
													4000	EV 1	grey	black	1	K-21004-40-0-1
														EV 1	black	black	1	K-21004-40-0-6
													5000	EV 1	grey	black	1	K-21004-50-0-1
														EV 1	black	black	1	K-21004-50-0-6
													6700	EV 1	grey	black	1	K-21004-67-0-1
														EV 1	black	black	1	K-21004-67-0-6
Contains: 1 x guide track P 2301. 1 x gasket profile P 1156. 1 x gasket profile P 2322																		

Contains: 1 x guide track P 2301, 1 x gasket profile P 1156, 1 x gasket profile P 2322

L&S accessories, guide P 2301

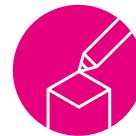
L&S accessories, guide P 2301 – 4 mm roller track													Roller track [mm]	Finish	PU	Order no.
Pattern																
A	A3	C	D	E	F	G1	G2	G3	H	K	L					
1	–	2	–	–	–	–	1	1	–	2	–	4	stainless steel / grey	1	K-21003-00-0-1	
													stainless steel / black	1	K-21003-00-0-6	
Contains: 2 x guide, 1 x top filler piece, 2 x rubber buffer, 1 x PC cover cap, 2 x groove packer, gaskets, 1 x bottom filler piece (for roller track bb P 2209), 1 x bottom cover plate (for roller track bb P 2209)																

Contains: 2 x guide, 1 x top filler piece, 2 x rubber buffer, 1 x PC cover cap, 2 x groove packer, gaskets, 1 x bottom filler piece (for roller track bb P 2209), 1 x bottom cover plate (for roller track bb P 2209)

You can find all individual parts in Chapter 3.3 "Guide track" from page 320.

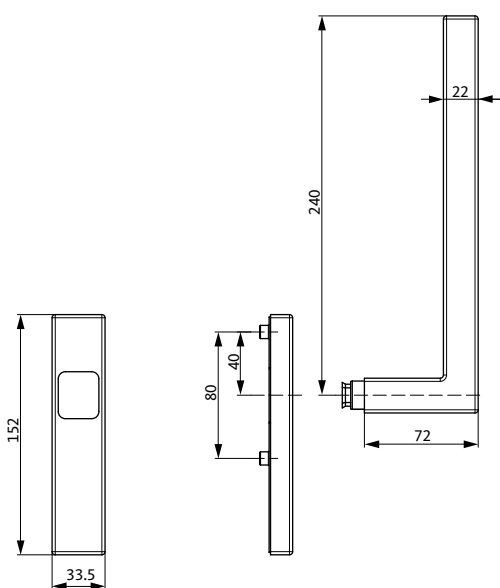
L&S turn handles in special design

Special form



Product information

- High-quality stainless steel turn handle, interior, with dummy backplate
- With 10 mm square size and 80 mm distance between screw centres
- Flush pull must be ordered separately
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16



You can find detailed overviews, specifications about dimensions and various versions in the catalogue section 6.0 "Turn handles and accessories".

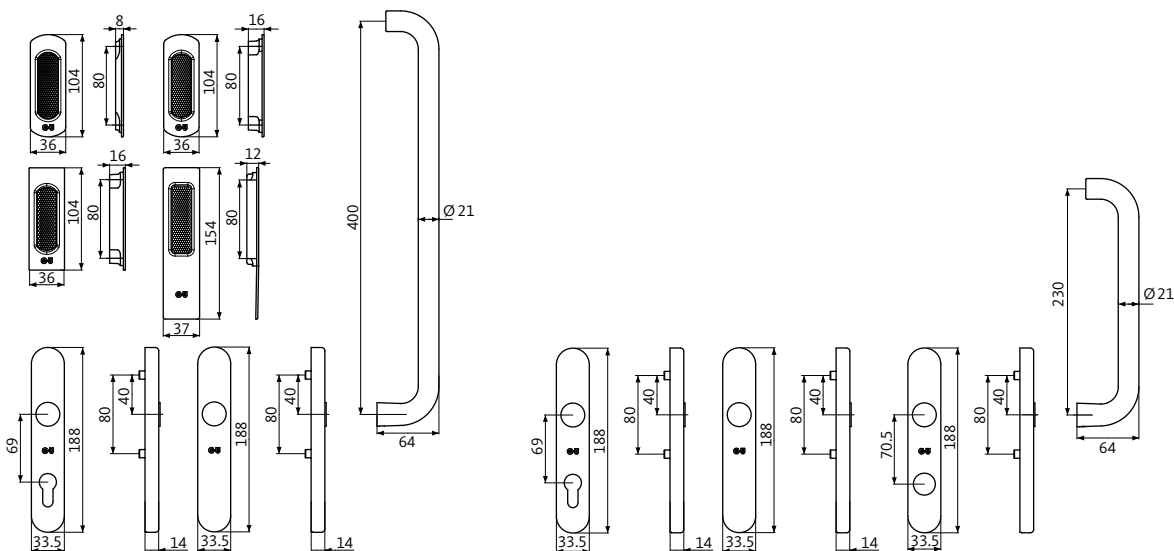
L&S turn handles in special design

RONDO series

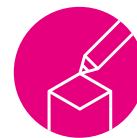


Product information

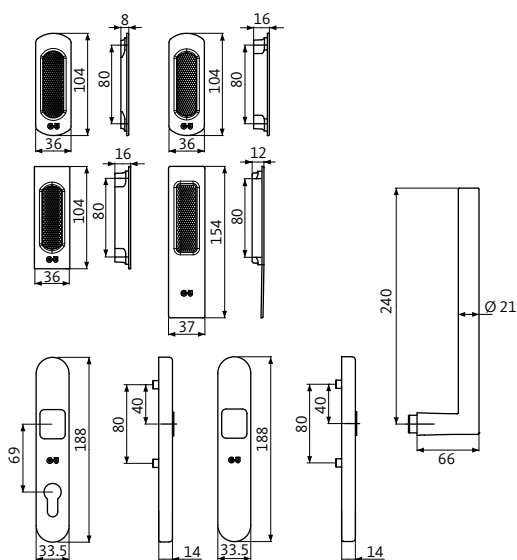
- High-quality stainless steel turn handles, optionally with
 - Dummy backplate
 - Profile cylinder hole (PC) or
 - Round cylinder hole (CH-RC)
- With 10 mm square size and 80 mm distance between screw centres
- Optionally with exterior handle or exterior flush pull
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16



You can find detailed overviews, specifications about dimensions and various versions in the catalogue section 6.0 "Turn handles and accessories".



- High-quality stainless steel turn handles, optionally with
 - Dummy backplate or
 - Profile cylinder hole (PC)
- With 10 mm square size and 80 mm distance between screw centres
- Optionally with exterior handle or exterior flush pull
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16



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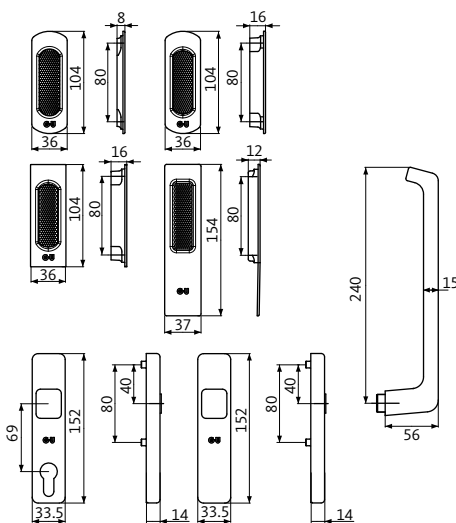
L&S turn handles in special design

DIRIGENT series



Product information

- High-quality stainless steel turn handles, optionally with
 - Dummy backplate or
 - Profile cylinder hole (PC)
- With 10 mm square size and 80 mm distance between screw centres
- Optionally with exterior handle or exterior flush pull
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16



You can find detailed overviews, specifications about dimensions and various versions in the catalogue section 6.0 "Turn handles and accessories".



6.0 Turn handles and accessories

Turn handle – Special form	434
RONDO series	437
BELCANTO series	455
DIRIGENT series	467
Accessories	506

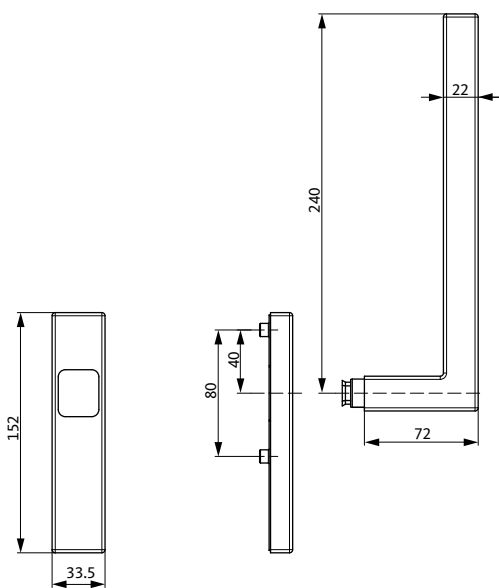
Special form, square – interior L&S turn handle without PC hole

without flush pull



Product information

- High-quality stainless steel turn handle, interior, without PC hole
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm
- The cover rosette cannot subsequently be exchanged



Special form, square – interior L&S turn handle without PC hole

without flush pull



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
Special form, square – interior L&S turn handle without PC hole	180°	stainless steel	with lugs	no	1	K-18684-00-0-8

Contents	Piece(s)
Special form, square – interior L&S turn handle without PC hole	1
Square spindle (suitable for ST 88 to 92 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	9-24377-40-0-1
	68	80	9-24377-40-0-1
	78	80	9-24377-40-0-1
	88	90	Included in PU for turn handle
	90	90	
	92	90	
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

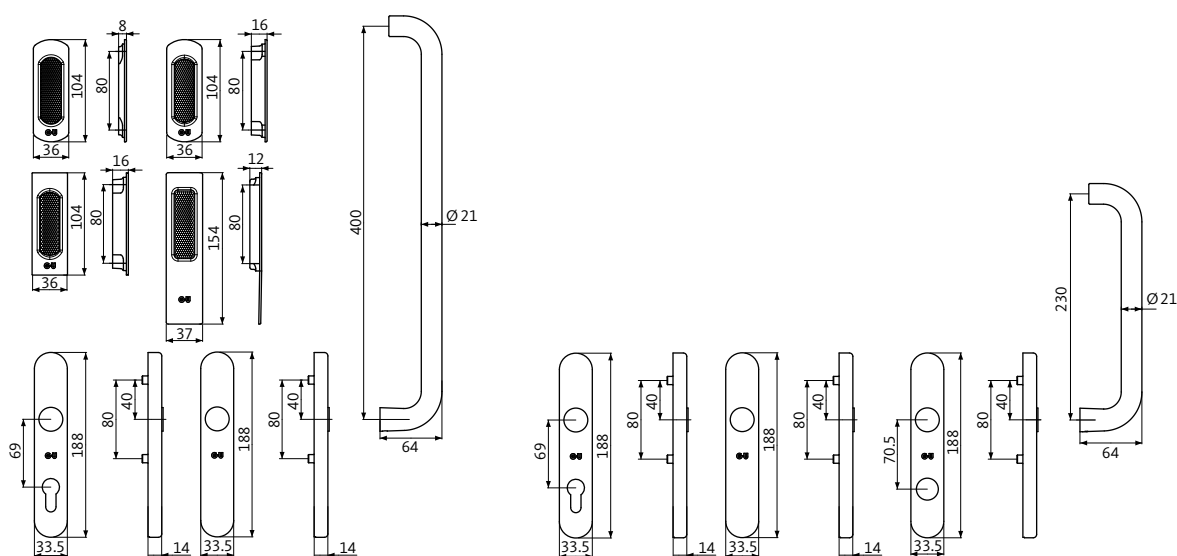
Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0





- High-quality stainless steel turn handles, optionally with
 - Dummy backplate
 - Profile cylinder hole (PC) or
 - Round cylinder hole (CH-RC)
- With 10 mm square size and 80 mm distance between screw centres
- Optionally with exterior handle or exterior flush pull
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16



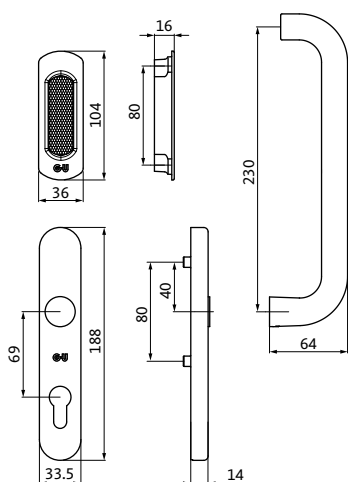
RONDO – interior L&S turn handle with PC hole

with exterior flush pull



Product information

- High-quality stainless steel turn handle, interior, with PC hole
- Exterior flush pull
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm



RONDO – interior L&S turn handle with PC hole

with exterior flush pull



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
RONDO interior L&S turn handle, with PC hole	180°	stainless steel	with lugs	yes	1	K-16797-00-0-8
	90°	stainless steel	with lugs	yes	1	K-16863-00-0-8

Contents	Piece(s)
RONDO interior L&S turn handle, with PC hole	1
L&S flush pull	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

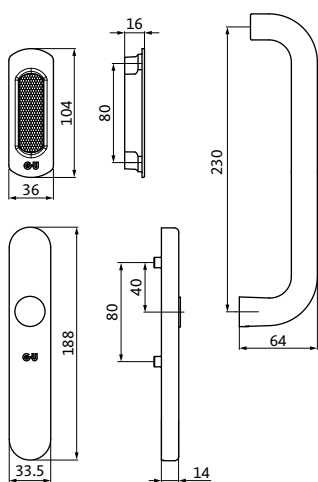
RONDO – interior L&S turn handle without PC hole

with exterior flush pull



Product information

- High-quality stainless steel turn handle, interior, without PC hole
- Exterior flush pull
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber and PVC Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm



RONDO – interior L&S turn handle without PC hole

with exterior flush pull



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
RONDO interior L&S turn handle without PC hole	180°	stainless steel	with lugs	no	1	K-16796-00-0-8
	90°	stainless steel	with lugs	no	1	K-16862-00-0-8

Contents	Piece(s)
RONDO interior L&S turn handle without PC hole	1
L&S flush pull	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

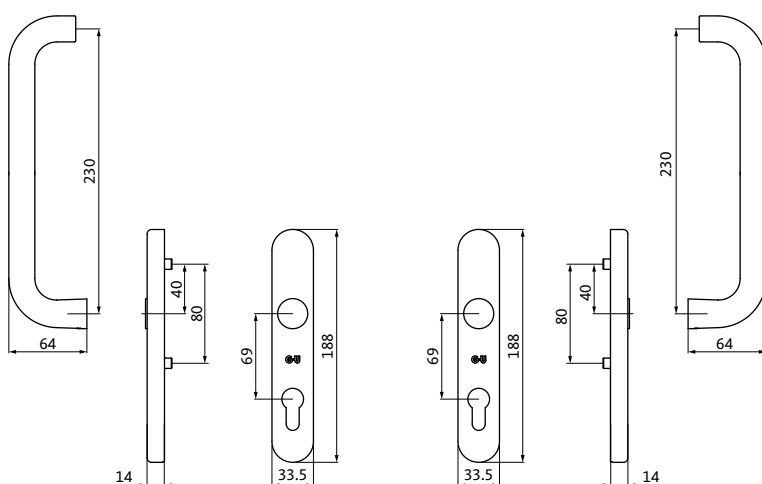
Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0

RONDO – interior/exterior L&S turn handle set with PC hole



Product information

- High-quality stainless steel turn handles, interior and exterior, with PC hole
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm
- **Note:** We recommend the use of a buffer – see pages 225 and 226



RONDO – interior/exterior L&S turn handle set with PC hole



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
RONDO interior/exterior L&S turn handle set with PC hole	180°	stainless steel	with lugs	yes	1	K-16798-00-0-8

Contents	Piece(s)
RONDO interior/exterior L&S turn handle set with PC hole	1
Fixing screws M6 x 100 mm	2
Square spindle (sash thickness up to 90 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: For other sash thicknesses, the fixing screws must be ordered separately.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	145	Included in PU for turn handle
	68		
	78		
	88		
	90		
	92	150	9-24377-15-0-1
	110	170	9-24377-18-0-1

Fixing screws

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	80	9-13274-80-0-1
	68	80	9-13274-80-0-1
	78	90	9-13274-90-0-1
	88	100	Included in PU for turn handle
	90		
	92		
	110	125	9-13274-96-R-1

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

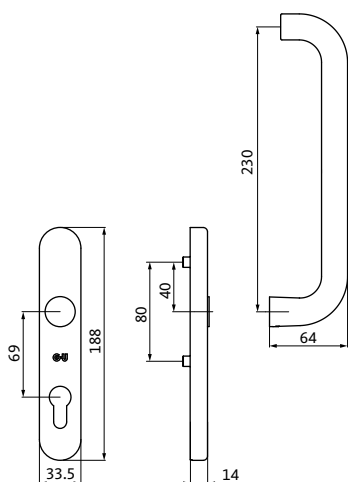
RONDO – interior L&S turn handle with PC hole

without flush pull



Product information

- High-quality stainless steel turn handle, interior, with PC hole
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm



RONDO – interior L&S turn handle with PC hole

without flush pull



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
RONDO interior L&S turn handle with PC hole	180°	stainless steel	with lugs	yes	1	K-16808-00-0-8

Contents	Piece(s)
RONDO interior L&S turn handle with PC hole	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

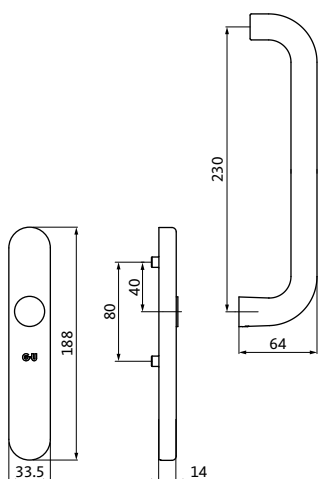
RONDO – interior L&S turn handle without PC hole

without flush pull



Product information

- High-quality stainless steel turn handle, interior, without PC hole
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm



RONDO – interior L&S turn handle without PC hole

without flush pull



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
RONDO interior L&S turn handle without PC hole	180°	stainless steel	with lugs	no	1	K-16807-00-0-8

Contents	Piece(s)
RONDO interior L&S turn handle without PC hole	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

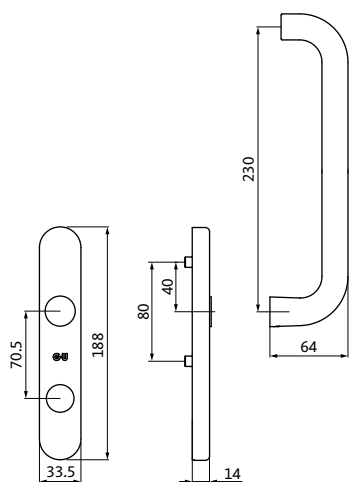
RONDO – interior L&S turn handle with CH-RC hole

without flush pull



Product information

- High-quality stainless steel turn handle, interior, with 22 mm CH-RC hole-type
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 78 mm



RONDO – interior L&S turn handle with CH-RC hole

without flush pull



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
RONDO interior L&S turn handle with CH-RC hole	180°	stainless steel	with lugs	yes	1	K-17624-00-0-8

Contents	Piece(s)
RONDO interior L&S turn handle with CH-RC hole	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

RONDO – interior L&S turn handle with PC hole

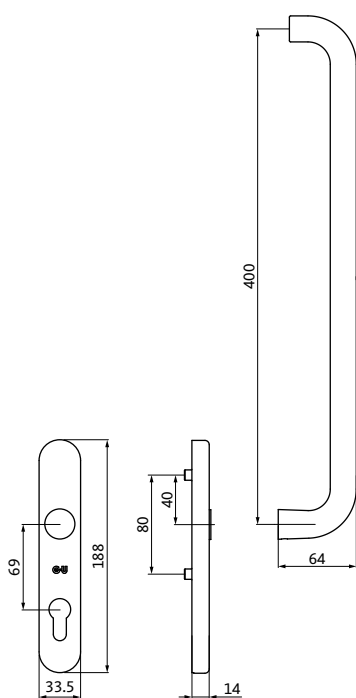
extended handle



Product information

- High-quality stainless steel turn handle, interior, with PC hole
- Special length 400 mm
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 400 mm
- Handle height 78 mm

This product is suitable for use in accordance with



RONDO – interior L&S turn handle with PC hole

extended handle



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
RONDO interior L&S turn handle with PC hole	180°	stainless steel	with lugs	yes	1	K-17232-00-0-8

Contents	Piece(s)
RONDO interior L&S turn handle with PC hole	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

RONDO – interior L&S turn handle without PC hole

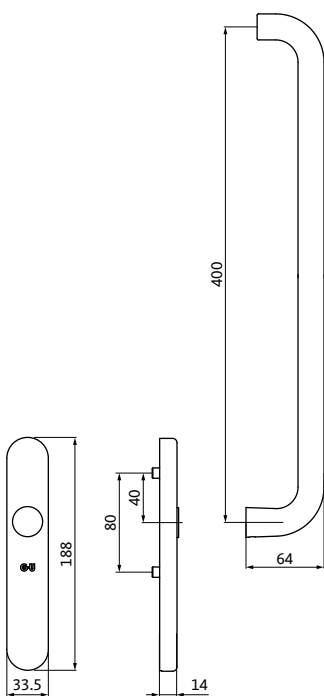
extended handle



Product information

- High-quality stainless steel turn handle, interior, without PC hole
- Special length 400 mm
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 400 mm
- Handle height 78 mm

This product is suitable for use in accordance with



RONDO – interior L&S turn handle without PC hole

extended handle



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
RONDO interior L&S turn handle without PC hole	180°	stainless steel	with lugs	no	1	K-17231-00-0-8

Contents	Piece(s)
RONDO interior L&S turn handle without PC hole	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

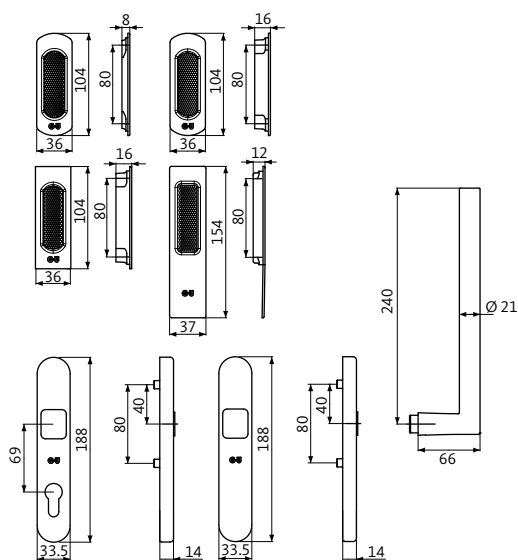
Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0





Product information

- High-quality stainless steel turn handles, optionally with
 - Dummy backplate
 - Profile-cylinder hole (PC)
- With 10 mm square size and 80 mm distance between screw centres
- Optionally with exterior handle or exterior flush pull
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16



Some products in this series are suitable for



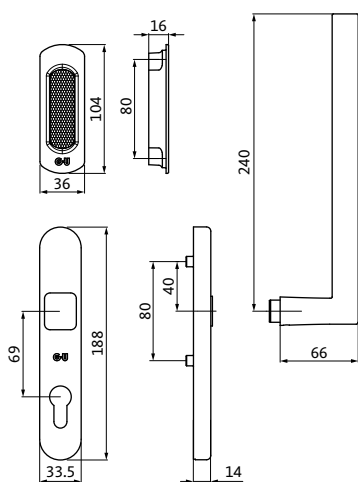
BELCANTO – interior L&S turn handle with PC hole

with exterior flush pull



Product information

- High-quality stainless steel turn handle, interior, with PC hole
- Exterior flush pull
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber and PVC Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 80 mm



BELCANTO – interior L&S turn handle with PC hole

with exterior flush pull



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
BELCANTO interior L&S turn handle with PC hole	180°	stainless steel	with lugs	yes	1	K-17016-00-0-8
	90°	stainless steel	with lugs	yes	1	K-17021-00-0-8

Contents	Piece(s)
BELCANTO interior L&S turn handle with PC hole	1
L&S flush pull	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0

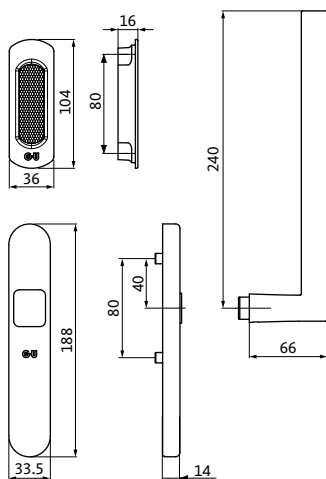
BELCANTO – interior L&S turn handle without PC hole

with exterior flush pull



Product information

- High-quality stainless steel turn handle, interior, without PC hole
- Exterior flush pull
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber and PVC Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 80 mm



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
BELCANTO interior L&S turn handle without PC hole	180°	stainless steel	with lugs	no	1	K-17015-00-0-8
	90°	stainless steel	with lugs	no	1	K-17020-00-0-8

Contents	Piece(s)
BELCANTO interior L&S turn handle without PC hole	1
L&S flush pull	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0

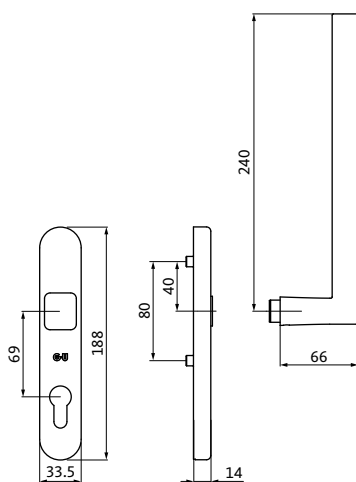
BELCANTO – interior L&S turn handle with PC hole

without flush pull



Product information

- High-quality stainless steel turn handle, interior, with PC hole
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 80 mm



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
BELCANTO interior L&S turn handle with PC hole	180°	stainless steel	with lugs	yes	1	K-17014-00-0-8
	90°	stainless steel	with lugs	yes	1	K-17019-00-0-8

Contents	Piece(s)
BELCANTO interior L&S turn handle with PC hole	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

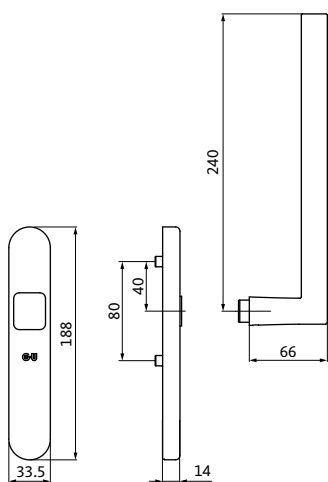
BELCANTO – interior L&S turn handle without PC hole

without flush pull



Product information

- High-quality stainless steel turn handle, interior, without PC hole
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 80 mm



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
BELCANTO interior L&S turn handle without PC hole	180°	stainless steel	with lugs	no	1	K-17013-00-0-8
	90°	stainless steel	with lugs	no	1	K-17018-00-0-8

Contents	Piece(s)
BELCANTO interior L&S turn handle without PC hole	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

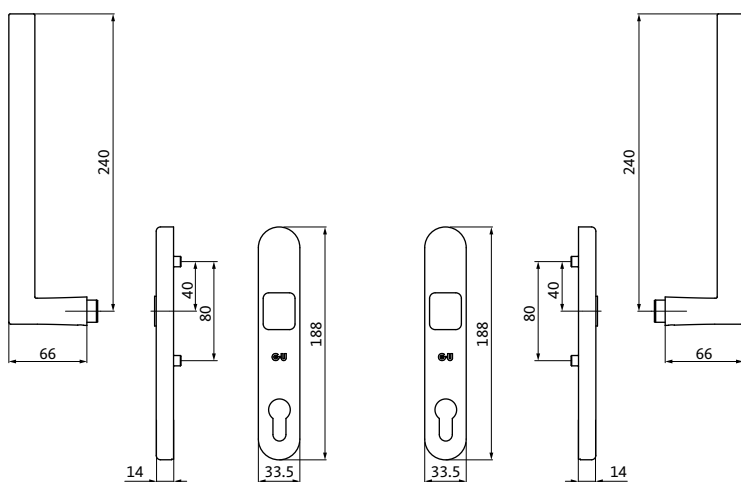
Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

BELCANTO – L&S interior/exterior turn handle set with PC hole



Product information

- High-quality stainless steel turn handles, interior and exterior, with PC hole
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 80 mm
- **Note:** We recommend the use of a buffer – see pages 225 and 226



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
BELCANTO interior/exterior L&S turn handle with PC hole	180°	stainless steel	with lugs	yes	1	K-17017-00-0-8
	90°	stainless steel	with lugs	yes	1	K-17022-00-0-8

Contents	Piece(s)
BELCANTO interior/exterior L&S turn handle with PC hole	1
Fixing screws M6 x 100 mm	2
Square spindle (sash thickness up to 90 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: For other sash thicknesses, the fixing screws must be ordered separately.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	145	Included in PU for turn handle
	68		
	78		
	88		
	90		
	92	150	9-24377-15-0-1
	110	170	9-24377-18-0-1

Fixing screws

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	80	9-13274-80-0-1
	68	80	9-13274-80-0-1
	78	90	9-13274-90-0-1
	88	100	Included in PU for turn handle
	90		
	92		
	110	125	9-13274-96-R-1

Drilling jigs

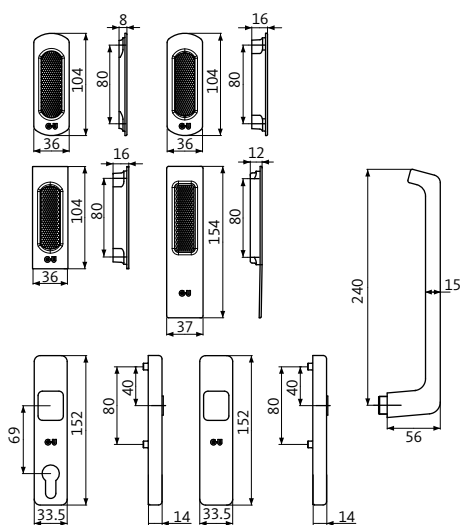
Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0





Product information

- High-quality stainless steel turn handles, optionally with
 - Dummy backplate
 - Profile-cylinder hole (PC)
- With 10 mm square size and 80 mm distance between screw centres
- Optionally with exterior handle or exterior flush pull
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16



Some products in this series are suitable for



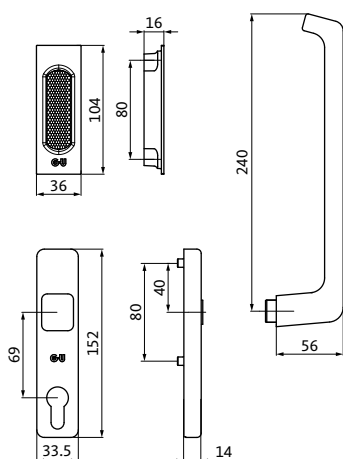
DIRIGENT – interior L&S turn handle with PC hole

with exterior flush pull



Product information

- High-quality stainless steel turn handle, interior, with PC hole
- Exterior flush pull
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber and PVC Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 70 mm



DIRIGENT – interior L&S turn handle with PC hole

with exterior flush pull



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
DIRIGENT interior L&S turn handle with PC hole	180°	stainless steel	with lugs	yes	1	K-16794-00-0-8

Contents	Piece(s)
DIRIGENT interior L&S turn handle with PC hole	1
L&S flush pull	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0

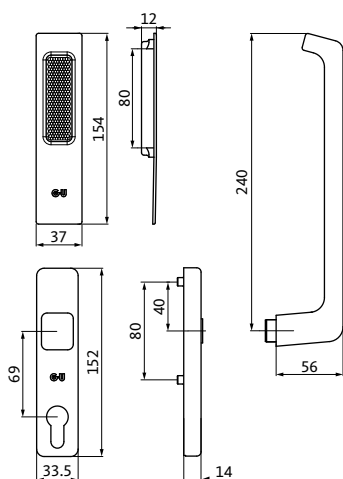
DIRIGENT – interior L&S turn handle with PC hole

with extended exterior flush pull



Product information

- High-quality aluminium turn handle, interior, with PC hole
- Exterior flush pull, extended
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber and PVC Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 70 mm



DIRIGENT – interior L&S turn handle with PC hole

with extended exterior flush pull



L&S turn handles

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable	Finish	PU	Order no.
DIRIGENT interior L&S turn handle with PC hole	180°	aluminium	with lugs	yes	silver/EV 1 look	1	K-13266-00-0-1
					dark brown [1]	1	K-13266-00-0-5
					white, RAL 9016	1	K-13266-00-0-7
	90°	aluminium	with lugs	yes	silver/EV 1 look	1	K-13263-00-0-1
					dark brown [1]	1	K-13263-00-0-5
					white, RAL 9016	1	K-13263-00-0-7

[1] Similar to RAL 8022

Contents	Piece(s)
DIRIGENT interior L&S turn handle with PC hole	1
L&S flush pull, extended	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0

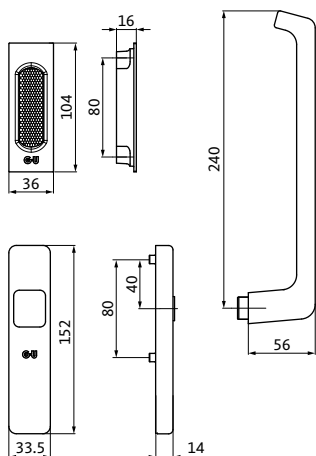
DIRIGENT – interior L&S turn handle without PC hole

with exterior flush pull



Product information

- High-quality stainless steel turn handle, interior, without PC hole
- Exterior flush pull
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber and PVC Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 70 mm



DIRIGENT – interior L&S turn handle without PC hole

with exterior flush pull



L&S turn handles

Versions/order numbers						
Designation	Detent	Material	Specifications	Lockable	PU	Order no.
DIRIGENT interior L&S turn handle without PC hole	180°	stainless steel	with lugs	no	1	K-16793-00-0-8
	90°	stainless steel	with lugs	no	1	K-16859-00-0-8

Contents	Piece(s)
DIRIGENT interior L&S turn handle without PC hole	1
L&S flush pull	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0

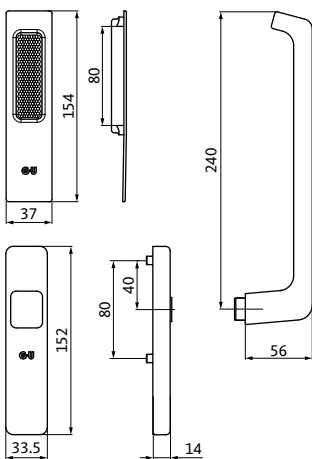
DIRIGENT – interior L&S turn handle without PC hole

with extended exterior flush pull



Product information

- High-quality aluminium turn handle, interior, without PC hole
- Exterior flush pull, extended
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber and PVC Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thickness up to 56 mm, fixed square spindle
- Suitable for sash thickness from 68 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 70 mm



DIRIGENT – interior L&S turn handle without PC hole

with extended exterior flush pull



L&S turn handles

Versions/order numbers								
Designation	Detent	ST [mm]	Material	Specifications	Lockable	Finish	PU	Order no.
DIRIGENT interior L&S turn handle without PC hole	180°	up to 56 [1]	aluminium	with lugs	no	silver/EV 1 look	1	K-13265-00-0-1
						dark brown [3]	1	K-13265-00-0-5
						white, RAL 9016	1	K-13265-00-0-7
	180°	up to 78 [2]	aluminium	with lugs	no	silver/EV 1 look	1	K-13785-00-0-1
						dark brown [3]	1	K-13785-00-0-5
						white, RAL 9016	1	K-13785-00-0-7
	90°	up to 56 [1]	aluminium	with lugs	no	silver/EV 1 look	1	K-13262-00-0-1
						dark brown [3]	1	K-13262-00-0-5
						white, RAL 9016	1	K-13262-00-0-7
	90°	up to 78 [2]	aluminium	with lugs	no	silver/EV 1 look	1	K-13787-00-0-1
						dark brown [3]	1	K-13787-00-0-5
						white, RAL 9016	1	K-13787-00-0-7

[1] Square spindle, fixed
 [2] Square spindle, adjustable
 [3] Similar to RAL 8022

Contents (with ST up to 56 mm)	Piece(s)
DIRIGENT interior L&S turn handle without PC hole	1
L&S flush pull, extended	1
Square spindle (sash thickness up to 56 mm)	1

Note:
The fixing screws must be ordered separately depending on the sash thickness.

Contents (with sash thickness up to 78 mm)	Piece(s)
DIRIGENT interior L&S turn handle without PC hole	1
L&S flush pull, extended	1
Square spindle (suitable for ST 68 to 80 mm)	1

Note:
For other sash thicknesses, the square spindle must be ordered separately.
Note:
The fixing screws must be ordered separately depending on the sash thickness.

DIRIGENT – interior L&S turn handle without PC hole

with extended exterior flush pull



Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	65	9-13274-65-0-1
	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3
	110	110	9-13274-98-R-3

Drilling jigs

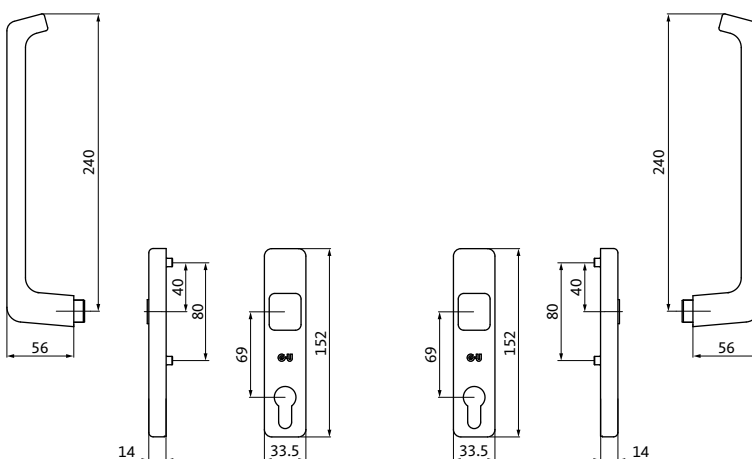
Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0

DIRIGENT – interior/exterior L&S turn handle set with PC hole



Product information

- High-quality aluminium, stainless steel or brass turn handles, interior and exterior, with PC hole
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 70 mm
- Note: We recommend the use of a buffer – see pages 225 and 226



DIRIGENT – interior/exterior L&S turn handle set with PC hole



L&S turn handles – aluminium

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable	Finish	PU	Order no.
DIRIGENT interior/exterior L&S turn handle with PC hole with fixing screws	180°	aluminium	with lugs	yes	silver/EV 1 look	1	K-13267-00-0-1
					dark brown [1]	1	K-13267-00-0-5
					white, RAL 9016	1	K-13267-00-0-7
	90°	aluminium	with lugs	yes	silver/EV 1 look	1	K-13264-00-0-1
					dark brown [1]	1	K-13264-00-0-5
					white, RAL 9016	1	K-13264-00-0-7
For aluminium profiles only							
DIRIGENT interior/exterior L&S turn handle with PC hole without fixing screws	180°	aluminium	with lugs	yes	silver/EV 1 look	1	6-24615-96-0-1
					dark brown [1]	1	6-24615-96-0-5
					white, RAL 9016	1	6-24615-96-0-7
	90°	aluminium	with lugs	yes	silver/EV 1 look	1	6-24616-96-0-1
					dark brown [1]	1	6-24616-96-0-5
					white, RAL 9016	1	6-24616-96-0-7
[1] Similar to RAL 8022							

L&S turn handles – stainless steel

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable		PU	Order no.
DIRIGENT interior/exterior L&S turn handle with PC hole with fixing screws	180°	stainless steel	with lugs	yes		1	K-16795-00-0-8
	90°	stainless steel	with lugs	yes		1	K-16861-00-0-8

L&S turn handles – brass

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable		PU	Order no.
DIRIGENT interior/exterior L&S turn handle with PC hole without fixing screws	180°	polished brass	with lugs	yes		1	6-26731-00-0-B

Contents: set, DIRIGENT turn handle: aluminium, stainless steel or brass

Contents	Piece(s)
DIRIGENT interior/exterior L&S turn handle set with PC hole	1
Fixing screws M6 x 100 mm	2
Square spindle (sash thickness up to 90 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: For other sash thicknesses, the fixing screws must be ordered separately.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	145	Included in PU for turn handle
	68		
	78		
	88		
	90		
	92	150	9-24377-15-0-1
	110	170	9-24377-18-0-1

Fixing screws

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	80	9-13274-80-0-1
	68	80	9-13274-80-0-1
	78	90	9-13274-90-0-1
	88	100	9-13274-97-R-3 *
	90	100	9-13274-97-R-3 *
	92	100	9-13274-97-R-3 *
	110	125	9-13274-96-R-1

* Order only with version without lugs

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

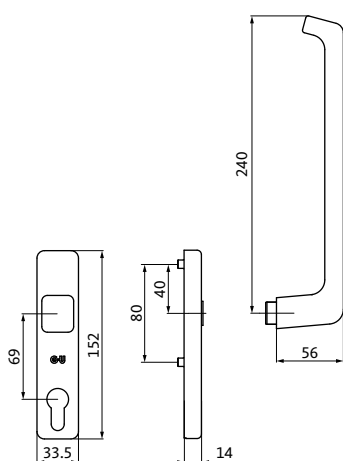
DIRIGENT – interior L&S turn handle with PC hole

without flush pull



Product information

- High-quality aluminium, stainless steel or brass turn handle, interior, with PC hole
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 70 mm



DIRIGENT – interior L&S turn handle with PC hole

without flush pull



L&S turn handles – aluminium

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable	Finish	PU	Order no.
For aluminium profiles only							
DIRIGENT interior L&S turn handle with PC hole	180°	aluminium	with lugs	yes	silver/EV 1 look	1	6-24607-00-0-1
					dark brown [1]	1	6-24607-00-0-5
					white, RAL 9016	1	6-24607-00-0-7
	180°	aluminium	without lugs	yes	silver/EV 1 look	1	6-24609-00-0-1
					dark brown [1]	1	6-24609-00-0-5
					white, RAL 9016	1	6-24609-00-0-7
	90°	aluminium	without lugs	yes	silver/EV 1 look	1	6-24614-00-0-1
					dark brown [1]	1	6-24614-00-0-5
					white, RAL 9016	1	6-24614-00-0-7

[1] Similar to RAL 8022

L&S turn handles – stainless steel

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable		PU	Order no.
DIRIGENT interior L&S turn handle with PC hole	180°	stainless steel	with lugs	yes		1	K-16805-00-0-8
	90°	stainless steel	with lugs	yes		1	K-16865-00-0-8

L&S turn handles – brass

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable		PU	Order no.
DIRIGENT interior L&S turn handle with PC hole	180°	polished brass	with lugs	yes		1	6-26728-02-0-B
	90°	polished brass	with lugs	yes		1	6-26729-02-0-B

Contents: DIRIGENT L&S turn handle: aluminium, stainless steel or brass

Contents	Piece(s)
DIRIGENT interior L&S turn handle with PC hole	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

DIRIGENT – interior L&S turn handle with PC hole

without flush pull



Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

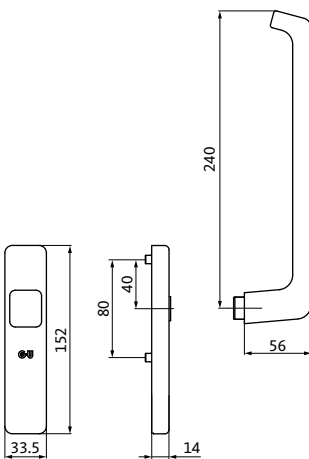
DIRIGENT – interior L&S turn handle without PC hole

without flush pull



Product information

- High-quality aluminium, stainless steel or brass turn handle, interior, without PC hole
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 70 mm



DIRIGENT – interior L&S turn handle without PC hole

without flush pull



L&S turn handles – aluminium

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable	Finish	PU	Order no.
DIRIGENT interior L&S turn handle without PC hole	180°	aluminium	with lugs	no	silver/EV 1 look	1	6-24606-00-0-1 [2]
					dark brown [1]	1	6-24606-00-0-5 [2]
					white, RAL 9016	1	6-24606-00-0-7 [2]
	180°	aluminium	without lugs	no	silver/EV 1 look	1	6-24608-00-0-1
					dark brown [1]	1	6-24608-00-0-5
					white, RAL 9016	1	6-24608-00-0-7
	90°	aluminium	without lugs	no	silver/EV 1 look	1	6-24613-00-0-1
					dark brown [1]	1	6-24613-00-0-5
					white, RAL 9016	1	6-24613-00-0-7
[1] Similar to RAL 8022 [2] Sash thickness up to 78 mm, square spindle not adjustable							

L&S turn handles – stainless steel

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable		PU	Order no.
DIRIGENT interior L&S turn handle without PC hole	180°	stainless steel	with lugs	no		1	K-16804-00-0-8

L&S turn handles – brass

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable		PU	Order no.
DIRIGENT interior L&S turn handle without PC hole	180°	polished brass	with lugs	no		1	6-26728-01-0-B
	90°	polished brass	with lugs	no		1	6-26729-01-0-B

Contents: DIRIGENT L&S turn handle: aluminium, stainless steel or brass

Contents	Piece(s)
DIRIGENT interior L&S turn handle without PC hole	1
Square spindle (sash thickness up to 80 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	Included in PU for turn handle
	68		
	78		
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	9-24377-60-0-1

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

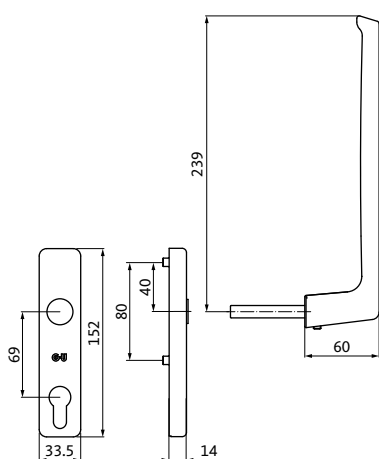
DIRIGENT – interior L&S turn handle with PC hole

without flush pull, removable



Product information

- High-quality aluminium turn handle, interior, with PC hole
- Removable, suitable for customer's own coating
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 74 mm



DIRIGENT – interior L&S turn handle with PC hole

without flush pull, removable



L&S turn handles

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable	Finish	PU	Order no.
DIRIGENT interior L&S turn handle with PC hole	180°	aluminium	with lugs	yes	silver/EV 1 look	1	K-17397-00-0-1
					dark brown [1]	1	K-17397-00-0-5
					white, RAL 9016	1	K-17397-00-0-7

[1] Similar to RAL 8022

Contents	Piece(s)
DIRIGENT interior L&S turn handle with PC hole	1
Square spindle (suitable for ST 110 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	9-24377-40-0-1
	68	80	9-24377-40-0-1
	78	80	9-24377-40-0-1
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	Included in PU for turn handle

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

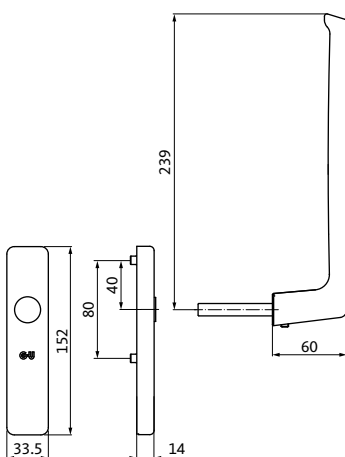
DIRIGENT – interior L&S turn handle without PC hole

without flush pull, removable



Product information

- High-quality aluminium turn handle, interior, without PC hole
- Removable, suitable for customer's own coating
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 74 mm



DIRIGENT – interior L&S turn handle without PC hole

without flush pull, removable



L&S turn handles

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable	Finish	PU	Order no.
DIRIGENT interior L&S turn handle without PC hole	180°	aluminium	with lugs	no	silver/EV 1 look	1	K-17396-00-0-1
					dark brown [1]	1	K-17396-00-0-5
					white, RAL 9016	1	K-17396-00-0-7

[1] Similar to RAL 8022

Contents	Piece(s)
DIRIGENT interior L&S turn handle without PC hole	1
Square spindle (suitable for ST 110 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	80	9-24377-40-0-1
	68	80	9-24377-40-0-1
	78	80	9-24377-40-0-1
	88	90	9-24377-50-0-1
	90	90	9-24377-50-0-1
	92	90	9-24377-50-0-1
	110	100	Included in PU for turn handle

Fixing screws

When attaching L&S turn handles on one side, please use suitable fixing screws for the material type and sash thickness of the Lift&Slide element.

Drilling jigs

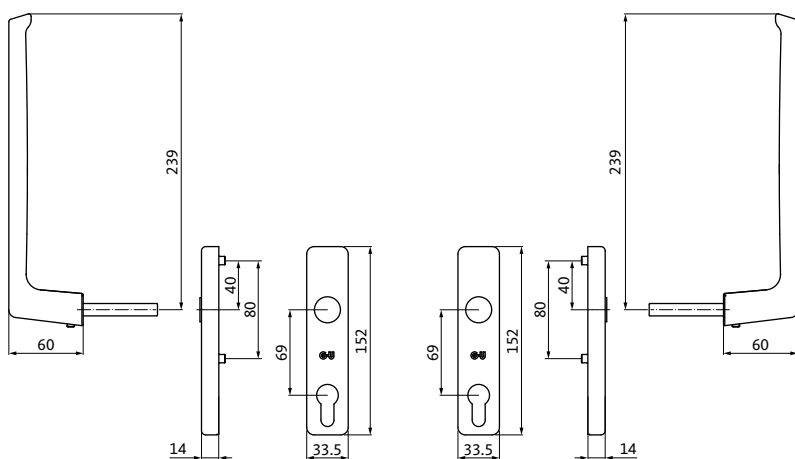
Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

DIRIGENT – interior/exterior L&S turn handle set with PC hole removable



Product information

- High-quality aluminium turn handles, interior and exterior, with PC hole
- Removable, suitable for customer's own coating
- With 10 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- Suitable for sash thicknesses up to 110 mm, adjustable square spindle
- Handle length 240 mm
- Handle height 74 mm
- **Note:** We recommend the use of a buffer – see pages 225 and 226



DIRIGENT – L&S interior/exterior turn handle set with PC hole

removable



L&S turn handles

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable	Finish	PU	Order no.
DIRIGENT interior/exterior L&S turn handle with PC hole	180°	aluminium	with lugs	yes	silver/EV 1 look	1	K-17400-00-0-1
					dark brown [1]	1	K-17400-00-0-5
					white, RAL 9016	1	K-17400-00-0-7

[1] Similar to RAL 8022

Contents	Piece(s)
DIRIGENT interior/exterior L&S turn handle set with PC hole	1
Square spindle (suitable for ST 92 mm)	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: The fixing screws must be ordered separately depending on the sash thickness.

Square spindle

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 10 mm	56	145	9-24377-96-0-1
	68	145	9-24377-96-0-1
	78	145	9-24377-96-0-1
	88	145	9-24377-96-0-1
	90	145	9-24377-96-0-1
	92	150	Included in PU for turn handle
	110	170	9-24377-18-0-1

Fixing screws

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	80	9-13274-80-0-1
	68	80	9-13274-80-0-1
	78	90	9-13274-90-0-1
	88	100	9-13274-97-R-3
	90	100	9-13274-97-R-3
	92	100	9-13274-97-R-3
	110	125	9-13274-96-R-1

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

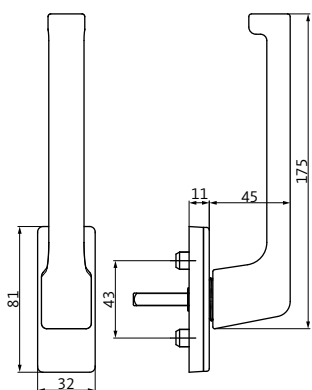
DIRIGENT – HL interior L&S turn handle without PC hole

for light Lift&Slide elements



Product information

- High-quality aluminium turn handle, interior, without PC hole
- With 7 x 37 mm square spindle, 43 mm distance between screw centres
- The square spindle can be enlarged to 10 mm (requires handle adapter set K-16554-01-0-1)
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 120 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16
- For sash thicknesses up to 56 mm
- Handle length 160 mm
- Handle height 58 mm



DIRIGENT – HL interior L&S turn handle without PC hole

for light Lift&Slide elements



Versions/order numbers – L&S turn handle

Designation	Material	Specifications	Lockable	Finish	PU	Order no.
DIRIGENT HL interior L&S turn handle without PC hole	aluminium	with lugs	no	silver/EV 1 look	1	6-31809-37-0-11
				dark brown [1]	1	6-31809-37-0-5
				white, RAL 9016	1	6-31809-37-0-7

[1] Similar to RAL 8022

Versions/order numbers – required accessories

Designation	PU	Order no.
Handle adapter set	1	K-16554-01-0-1

Contains: 1 x fixing plate, 1 x spindle sleeve, fixing screws

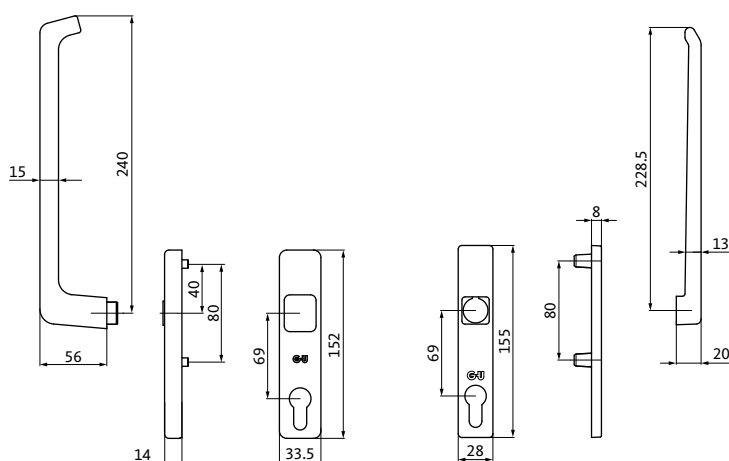
DIRIGENT – interior/exterior L&S turn handle set with PC hole

flat on the outside – outside height 30 mm



Product information

- High-quality aluminium turn handles, interior and exterior, with PC hole
- With 8 mm square size and 80 mm distance between screw centres
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 17
- Suitable for sash thickness up to 110 mm, square spindle can be cropped to necessary sash thickness
- Interior handle
 - Handle length 240 mm
 - Handle height 70 mm
- Exterior handle
 - Handle length 228.5 mm
 - Handle height 30 mm
- **Note:** We recommend the use of a buffer – see pages 225 and 226



DIRIGENT – interior/exterior L&S turn handle set with PC hole

flat on the outside – outside height 30 mm



L&S turn handles

Versions/order numbers							
Designation	Detent	Material	Specifications	Lockable	Finish	PU	Order no.
DIRIGENT interior/exterior L&S turn handle with PC hole	90°	aluminium	with lugs	yes	silver/EV 1 look	1	K-12919-00-0-1
					dark brown [1]	1	K-12919-00-0-5
					white, RAL 9016	1	K-12919-00-0-7
[1] Similar to RAL 8022							

Contents	Piece(s)
DIRIGENT interior turn handle	1
DIRIGENT exterior turn handle	1
Fixing screws M6 x 75 mm (sash thickness up to 56 mm)	2
Square spindle 8 x 150 mm (sash thickness > 88 mm)	1
Spindle sleeve	1

Note: For other sash thicknesses, the square spindle must be ordered separately.

Note: For other sash thicknesses, the fixing screws must be ordered separately.

Square spindle

Versions/Order numbers			
Designation	ST [mm]	Length [mm]	Order number
Square size 8 mm	up to 88	90	9-30482-90-0-1
	> 88	150	Included in PU for turn handle

Fixing screws

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
M6 fixing screws	56	75	Included in PU for turn handle
	68	80	9-13274-80-0-1
	78	90	9-13274-90-0-1
	88	100	9-13274-97-R-3
	90	100	9-13274-97-R-3
	92	100	9-13274-97-R-3
	110	125	9-13274-96-R-1

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

DIRIGENT 4.0 – interior L&S turn handle with PC hole

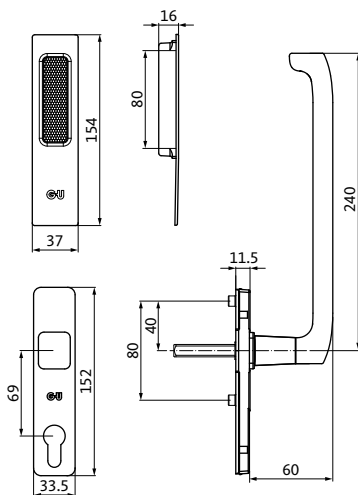
with exterior flush pull



Product information

The Lift&Slide turn handle generation DIRIGENT 4.0 adapts to the design of our DIRIGENT door handle hardware and, with a large distance between the handle and PC cover, offers users outstanding operating comfort.

- High-quality aluminium turn handle, interior, with PC hole
- Exterior flush pull
- Version with 10 mm fixed square with concealed fixing
- Distance between screw centres 80 mm
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Fixed backplate with friction washer
- Concealed screw connection
- Handle length 240 mm
- Handle height 78 mm



DIRIGENT 4.0 – interior L&S turn handle with PC hole

with exterior flush pull



L&S turn handles

Versions/Order numbers								
Designation	For sash thickness [mm]	Detent	Material	Specifications	Lockable	Finish	PU	Order no.
DIRIGENT 4.0 interior L&S turn handle with PC hole	68–78 [1]	180°	aluminium	with lugs	yes	EV1 silver	1	K-20216-50-0-1
						brown	1	K-20216-50-0-5
						black	1	K-20216-50-0-6
						white	1	K-20216-50-0-7
						titanium colour	1	K-20216-50-0-C
	88–92 [1]	180°	aluminium	with lugs	yes	EV1 silver	1	K-20216-60-0-1
						brown	1	K-20216-60-0-5
						black	1	K-20216-60-0-6
						white	1	K-20216-60-0-7
						cream white	1	K-20216-60-0-7V
						titanium colour	1	K-20216-60-0-C

[1] May vary, depending on the material type and handle height

Contents (K-20216-50)	Piece(s)
DIRIGENT 4.0 interior L&S turn handle with PC hole	1
L&S flush pull	1
Fixed spindle square, with 50 mm projection (sash thickness 68–78 mm)	1

Contents (K-20216-60)	Piece(s)
DIRIGENT 4.0 interior L&S turn handle with PC hole	1
L&S flush pull	1
Fixed spindle square, with 60 mm projection (sash thickness 88–92 mm)	1

Note: The fixing screws must be ordered separately depending on the sash thickness.

Fixing screws

Versions/Order numbers			
Designation	ST [mm]	Length [mm]	Order number
M6 fixing screws	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

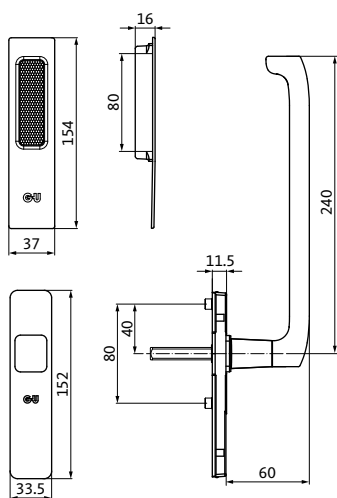
DIRIGENT 4.0 – interior L&S turn handle without PC hole-type with exterior flush pull



Product information

The Lift&Slide turn handle generation DIRIGENT 4.0 adapts to the design of our DIRIGENT door handle hardware and, with a large distance between the handle and PC cover, offers users outstanding operating comfort.

- High-quality aluminium turn handle, interior, without PC hole-type
- Exterior flush pull
- Version with 10 mm fixed square with concealed fixing
- Distance between screw centres 80 mm
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Fixed backplate with friction washer
- Concealed screw connection
- Handle length 240 mm
- Handle height 78 mm



DIRIGENT 4.0 – interior L&S turn handle without PC hole-type with exterior flush pull



L&S turn handles

Versions/Order numbers								
Designation	For sash thickness [mm]	Detent	Material	Specifications	Lockable	Finish	PU	Order no.
DIRIGENT 4.0 interior L&S turn handle without PC hole	68–78 [1]	180°	aluminium	with lugs	no	EV1 silver	1	K-19844-50-0-1
						brown	1	K-19844-50-0-5
						black	1	K-19844-50-0-6
						white	1	K-19844-50-0-7
						titanium colour	1	K-19844-50-0-C
	88–92 [1]	180°	aluminium	with lugs	no	EV1 silver	1	K-19844-60-0-1
						brown	1	K-19844-60-0-5
						black	1	K-19844-60-0-6
						white	1	K-19844-60-0-7
						cream white	1	K-19844-60-0-7V
						titanium colour	1	K-19844-60-0-C

[1] May vary, depending on the material type and handle height

Contents (K-19844-50)	Piece(s)
DIRIGENT 4.0 interior L&S turn handle without PC hole-type	1
L&S flush pull	1
Fixed spindle square, with 50 mm projection (sash thickness 68–78 mm)	1

Contents (K-19844-60)	Piece(s)
DIRIGENT 4.0 interior L&S turn handle without PC hole-type	1
L&S flush pull	1
Fixed spindle square, with 60 mm projection (sash thickness 88–92 mm)	1

Note: The fixing screws must be ordered separately depending on the sash thickness.

Fixing screws

Versions/Order numbers			
Designation	ST [mm]	Length [mm]	Order number
M6 fixing screws	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

DIRIGENT 4.0 – interior L&S turn handle without PC hole-type

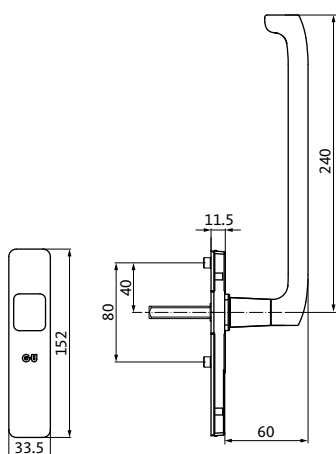
without flush pull



Product information

The Lift&Slide turn handle generation DIRIGENT 4.0 adapts to the design of our DIRIGENT door handle hardware and, with a large distance between the handle and PC cover, offers users outstanding operating comfort.

- High-quality stainless steel turn handle, interior, without PC hole
- Version with 10 mm fixed square with concealed fixing
- Distance between screw centres 80 mm
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Fixed backplate with friction washer
- Concealed screw connection
- Handle length 240 mm
- Handle height 78 mm



DIRIGENT 4.0 – interior L&S turn handle without PC hole-type without flush pull



L&S turn handles

Versions/Order numbers								
Designation	For sash thickness [mm]	Detent	Material	Specifications	Lockable		PU	Order no.
DIRIGENT 4.0 interior L&S turn handle without PC hole	68–78 [1]	180°	stainless steel	with lugs	no		1	K-19846-50-0-8
[1] May vary, depending on the material type and handle height								

Contents	Piece(s)
DIRIGENT 4.0 interior L&S turn handle without PC hole-type	1
Fixed spindle square, with 50 mm projection (sash thickness 68–78 mm)	1

Note: The fixing screws must be ordered separately depending on the sash thickness.

Fixing screws

Versions/Order numbers			
Designation	ST [mm]	Length [mm]	Order number
M6 fixing screws	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

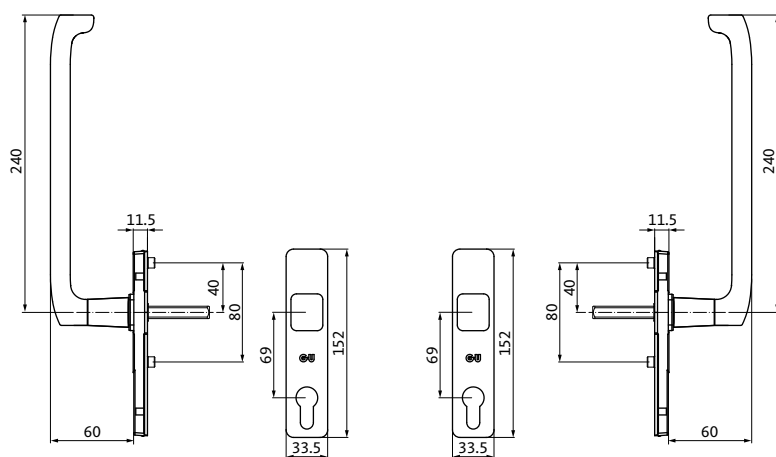
DIRIGENT 4.0 – interior/exterior L&S turn handle set with PC hole



Product information

The Lift&Slide turn handle generation DIRIGENT 4.0 adapts to the design of our DIRIGENT door handle hardware and, with a large distance between the handle and PC cover, offers users outstanding operating comfort.

- High-quality aluminium turn handles, interior and exterior, with PC hole
- Version with 10 mm fixed square with concealed fixing
- Distance between screw centres 80 mm
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Fixed backplate with friction washer
- Concealed screw connection
- Handle length 240 mm
- Handle height 78 mm
- **Note:** We recommend the use of a buffer – see pages 225 and 226



DIRIGENT 4.0 – interior/exterior L&S turn handle set with PC hole



L&S turn handles

Versions/Order numbers								
Designation	For sash thickness [mm]	Detent	Material	Specifications	Lockable	Finish	PU	Order number
DIRIGENT 4.0 interior/exterior L&S turn handle with PC hole	68–92 [1]	180°	aluminium	with lugs	yes	EV1 silver	1	K-20217-C0-0-1
						brown	1	K-20217-C0-0-5
						black	1	K-20217-C0-0-6
						white	1	K-20217-C0-0-7
						titanium colour	1	K-20217-C0-0-C
[1] May vary, depending on the material type and handle height								

Contents	Piece(s)
DIRIGENT 4.0 interior/exterior L&S turn handle set with PC hole	1
Fixed square spindle (sash thickness 68-92 mm)	1

Note: The fixing screws must be ordered separately depending on the sash thickness.

Fixing screws

Versions/Order numbers			
Designation	ST [mm]	Length [mm]	Order number
M6 fixing screws	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1
	90	95	9-13274-95-R-1
	92	100	9-13274-97-R-3

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

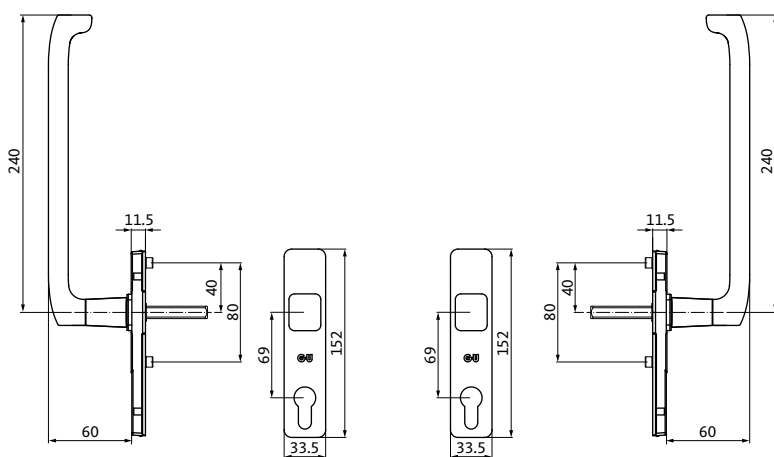
DIRIGENT 4.0 – interior/exterior L&S turn handle set with PC hole



Product information

The Lift&Slide turn handle generation DIRIGENT 4.0 adapts to the design of our DIRIGENT door handle hardware and, with a large distance between the handle and PC cover, offers users outstanding operating comfort.

- High-quality stainless steel turn handles, interior and exterior, with PC hole
- Version with 10 mm fixed square with concealed fixing
- Distance between screw centres 80 mm
- Suitable for use with all customary timber, PVC or aluminium Lift&Slide profile systems for up to 400 kg sash weight
- Fixed backplate with friction washer
- Concealed screw connection
- Handle length 240 mm
- Handle height 78 mm
- **Note:** We recommend the use of a buffer – see pages 225 and 226



DIRIGENT 4.0 – interior/exterior L&S turn handle set with PC hole



L&S turn handles

Versions/Order numbers								
Designation	For sash thickness [mm]	Detent	Material	Specifications	Lockable		PU	Order number
DIRIGENT 4.0 interior/exterior L&S turn handle with PC hole	68–88 [1]	180°	stainless steel	with lugs	yes		1	K-19847-C0-0-8
[1] May vary, depending on the material type and handle height								

Contents	Piece(s)
DIRIGENT 4.0 interior/exterior L&S turn handle set with PC hole	1
Fixed square spindle (sash thickness 68-88 mm)	1

Note: The fixing screws must be ordered separately depending on the sash thickness.

Fixing screws

Versions/Order numbers			
Designation	ST [mm]	Length [mm]	Order number
M6 fixing screws	68	75	9-13274-75-0-1
	78	85	9-13274-85-0-1
	88	95	9-13274-95-R-1

Drilling jigs

Versions/order numbers		
Drilling jigs	PU	Order no.
Drilling jig for the installation of turn handles – timber profiles	1	6-35524-00-0-1
Drilling jig for the installation of turn handles – PVC profiles	1	9-27272-00-0-0
Drilling jig for the installation of turn handles – aluminium profiles with Euro-groove	1	9-27272-01-0-0

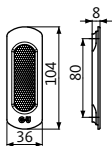
Accessories

L&S flush pull, round



Product information

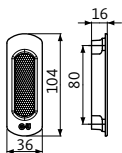
- High-quality flush pull made of stainless steel
- Distance between screw centres 80 mm
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16



L&S flush pull, stainless steel

Designation	GU logo	Overall depth	Specifications	Finish	PU	Order no.
L&S flush pull, round	yes	6 mm	without lugs	silver/EV 1 look	1	9-46686-00-0-1
				dark brown [1]	1	9-46686-00-0-5
				white, RAL 9016	1	9-46686-00-0-7
				stainless steel	1	9-46686-00-0-8
L&S flush pull, round	yes	6 + 3 mm	with lugs (3 mm)	stainless steel	1	9-46686-01-0-8

[1] Similar to RAL 8022



L&S flush pull, stainless steel

Designation	GU logo	Overall depth	Specifications	Finish	PU	Order no.
L&S flush pull, round	yes	14 mm	without lugs	stainless steel	1	9-39035-01-0-8
L&S flush pull, round	no	14 mm	without lugs	stainless steel	1	9-39035-02-0-8

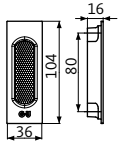
Accessories

L&S flush pull, square



Product information

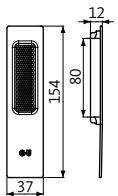
- High-quality flush pull made of stainless steel, aluminium or brass
- Distance between screw centres 80 mm
- Suitable for use with all customary Lift&Slide profile systems for up to 400 kg sash weight
- Durability test with 25 000 cycles in compliance with DIN 13126 part 16



L&S flush pull, stainless steel

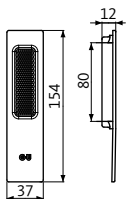
Designation	GU logo	Overall depth	Specifications	Finish	PU	Order no.
L&S flush pull, square	yes	14 mm	without lugs	stainless steel	1	9-42539-01-0-8
L&S flush pull, square	no	14 mm	without lugs	stainless steel	1	9-42539-02-0-8
Sec L&S flush pull square	no	12 mm	without lugs	silver/EV 1 look	1	9-29622-00-0-1
				dark brown [1]	1	9-29622-00-0-5
				white, RAL 9016	1	9-29622-00-0-7
				stainless steel	1	9-29622-00-0-8

[1] Similar to RAL 8022



L&S flush pull, stainless steel

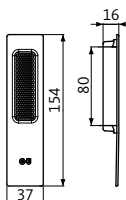
Designation	GU logo	Overall depth	Specifications	Finish	PU	Order no.
L&S flush pull, square	yes	10 mm	without lugs	stainless steel	1	9-42737-01-0-8
L&S flush pull, square	no	10 mm	without lugs	stainless steel	1	9-42737-00-0-8



L&S flush pull, aluminium

Designation	GU logo	Overall depth	Specifications	Finish	PU	Order no.
L&S flush pull MS, square	yes	10 mm	without lugs	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
L&S flush pull MS, square	yes	10 mm	without lugs	silver/EV 1 look	1	9-29992-01-0-1
				dark brown [1]	1	9-29992-01-0-5
				white, RAL 9016	1	9-29992-01-0-7
L&S flush pull, square	yes	14 mm	without lugs	silver/EV 1 look	1	9-29526-00-0-1
				dark brown [1]	1	9-29526-00-0-5
				white, RAL 9016	1	9-29526-00-0-7

[1] Similar to RAL 8022



L&S flush pull, brass

Designation	GU logo	Overall depth	Specifications	Finish	PU	Order no.
L&S flush pull MS, square	yes	14 mm	without lugs	brass	1	9-34957-00-0-B

Accessories

Service handle, cover rosette



DIRIGENT service handle

Versions/order numbers			
Designation	Finish	PU	Order no.
DIRIGENT service handle Handle length 240 mm	silver/EV 1 look	1	6-24619-00-0-1
	dark brown [1]	1	6-24619-00-0-5
	white, RAL 9016	1	6-24619-00-0-7
[1] Similar to RAL 8022			



Interior cover rosette without PC hole

Versions/order numbers			
Designation	Finish	PU	Order no.
Interior cover rosette without PC hole	silver/EV 1 look	1	6-23243-01-0-1
	dark brown [1]	1	6-23243-01-0-5
	white, RAL 9016	1	6-23243-01-0-7
[1] Similar to RAL 8022			



Interior cover rosette with PC hole

Versions/order numbers			
Designation	Finish	PU	Order no.
Interior cover rosette with PC hole	silver/EV 1 look	1	6-23243-02-0-1
	dark brown [1]	1	6-23243-02-0-5
	white, RAL 9016	1	6-23243-02-0-7
[1] Similar to RAL 8022			



Exterior cover rosette

Versions/order numbers			
Designation	Finish	PU	Order no.
Exterior cover rosette	silver/EV 1 look	1	9-29527-00-0-1
	dark brown [1]	1	9-29527-00-0-5
	white, RAL 9016	1	9-29527-00-0-7
[1] Similar to RAL 8022			



Set of cover discs

Versions/order numbers			
Designation	Finish	PU	Order no.
Set of cover discs	silver/EV 1 look	1	K-17481-00-0-1
	dark brown [1]	1	K-17481-00-0-5
	white, RAL 9016	1	K-17481-00-0-7
Contains: 1 x cover disc, 1 x bushing, fixing screws			
[1] Similar to RAL 8022			

Accessories

Gasket plates



Gasket plate for exterior and interior turn handle

The optional gasket plate which is universally applicable for all handle models provides increased tightness, especially in Blower Door Tests. The profile cylinder insert is removable so the gasket ensures optimal sealing for all handle variants.

Versions/order numbers			
Designation	Finish	PU	Order no.
Gasket plate for turn handle	black	1	9-47210-01-0-6



Gasket plate for flush pull

The optional gasket plate which is universally applicable for all flush pulls provides increased tightness, especially in Blower Door Tests. The adaptable gasket plate ensures optimal sealing for all flush pull models.

Versions/order numbers			
Designation	Finish	PU	Order no.
Gasket plate for flush pull	black	1	9-47211-01-0-6



Square spindles

The length of the optional square spindles must be determined depending on the follower square size of the lock case. Wrongly dimensioned or short square spindles are not permissible as they cause damage to the window gear and the turn handle.

Versions/order numbers					
Designation	ST [mm]	Interior turn handle / exterior flush pull / exterior cover rosette		Interior/exterior turn handle set	
		Length [mm]	Order no.	Length [mm]	Order no.
Square spindle 10 mm	56	80	9-24377-40-0-1	145	9-24377-96-0-1
	68	80	9-24377-40-0-1	145	9-24377-96-0-1
	78	80	9-24377-40-0-1	145	9-24377-96-0-1
	88	90	9-24377-50-0-1	145	9-24377-96-0-1
	90	90	9-24377-50-0-1	145	9-24377-96-0-1
	92	90	9-24377-50-0-1	150	9-24377-15-0-1
	110	100	9-24377-60-0-1	170	9-24377-18-0-1

Versions/order numbers			
Designation	ST [mm]	Length [mm]	Order no.
Square spindle 8 mm	up to 88	90	9-30482-90-0-1
	> 88	150	9-30482-96-0-1



Spindle sleeve

to convert a 8 mm square size spindle to 10 mm

Versions/order numbers		
Designation	PU	Order no.
Spindle sleeve	1	9-43986-00-0-1

Accessories

Fixing screws



Fixing screws

The approved Lift&Slide handles must be screwed into the mounting thread of the gear lock case using 2 metric screws M6 x length. Make sure that the full length of the threads is used. Fastening the handles on the sash using screws for timber constructions is not permitted.

Versions/order numbers					
Designation	ST [mm]	Interior turn handle / exterior flush pull / exterior cover rosette		Interior/exterior turn handle set	
		Length [mm]	Order no.	Length [mm]	Order no.
Fixing screw M6	56	65	9-13274-65-0-1	80	9-13274-80-0-1
	68	75	9-13274-75-0-1	80	9-13274-80-0-1
	78	85	9-13274-85-0-1	90	9-13274-90-0-1
	88	95	9-13274-95-R-1	100	9-13274-97-R-3
	90	95	9-13274-95-R-1	100	9-13274-97-R-3
	92	100	9-13274-97-R-3	100	9-13274-97-R-3
	110	110	9-13274-98-R-3	125	9-13274-96-R-1

Lift&Slide hardware

Product information	516
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Structural sealing of Lift&Slide elements

Product information	518
---------------------	-----

Thresholds

Versions and application ranges	520
Crucial lengths for ordering profiles and long parts	522

L&S turn handles and flush pulls

Materials and finishes	534
Drilling-hole patterns and dimensions	535

List of abbreviations

Overview	536
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Lift&Slide hardware

Product information



Applications

With Lift&Slide hardware from Gretsched-Units, it is possible to produce Lift&Slide elements as

- Lift&Slide doors in 2- to 6-part versions and
- Lift&Slide windows in 2- to 6-part versions.

All Lift&Slide elements are each equipped

- fitted with a threshold or a timber threshold with a frame cover profile and
- with a guide track

Depending on the respective system, the sash thickness and the sash distance may vary.

Feasible, system-dependent sash thicknesses:

- 56 mm, 68 mm, 78 mm, 88 mm, 90 mm, 92 mm, 110 mm

Feasible, system-dependent sash distances:

- 10 mm, 22 mm, 25 mm, 28 mm

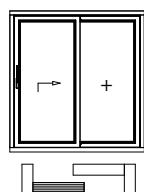
Standard application

Lift&Slide hardware – versions							
Designation	Opening type		Sash configuration	Sash weight [kg]	Sash distance [mm]	Sash height [mm]	Sash width [mm]
	Door	Window					
GU-934	■	–	Patterns A to L	max. 350 [1]	10 to 28	1851 – 2750 [3]	700 – 3300
	–	■	Patterns A to L	max. 350 [1]	10 to 28	850 – 1850 [3]	700 – 3300
GU-937	■	–	Patterns A to L	max. 200 [2]	10 to 28	1851 – 2750 [3]	700 – 3300
	–	■	Patterns A to L	max. 200 [2]	10 to 28	850 – 1850 [3]	700 – 3300
[1] When also using the tandem bogie GU-934, up to max. 400 kg; sash weights heavier than 400 kg are only permitted in combination with HS LiftUnit							
[2] When also using the tandem bogie GU-937 up to max. 400 kg							
[3] Sash heights up to 3250 mm when using the gear extension; sash heights up to 3750 mm are available on request							

Sash configuration according to patterns A to L

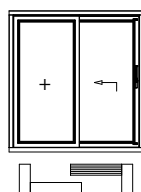
The patterns to be implemented are system-dependent.

In Chapter 1.0 | System overviews for timber Lift&Slide elements, you will find the respective, possible patterns for all the systems.



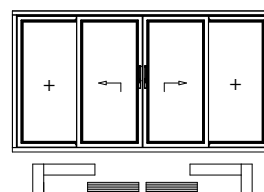
Pattern A

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



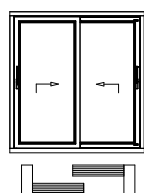
Pattern A3

1 Lift&Slide door
1 Fixed-glazed sash
Fig.: sliding direction to the left



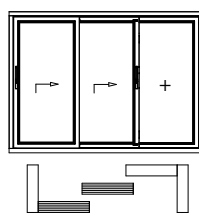
Pattern C

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



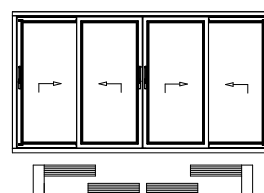
Pattern D

2 Lift&Slide doors
Fig.: sliding direction to the right and left



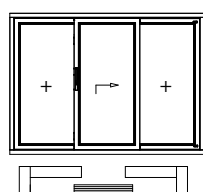
Pattern E

2 Lift&Slide doors
1 Fixed-glazed sash
Fig.: sliding direction to the right



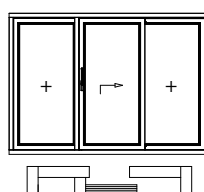
Pattern F

4 Lift&Slide doors
Fig.: sliding direction to the right and left



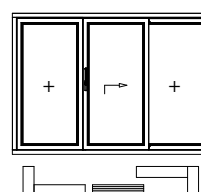
Pattern G1 symmetrical

1 Lift&Slide door
2 Fixed-glazed sashes
Fig.: sliding direction to the right



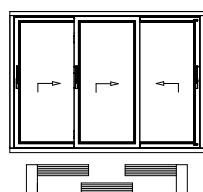
Pattern G2 asymmetrical

With fixed mullion
1 Lift&Slide door
2 Fixed-glazed sashes
Fig.: sliding direction to the right



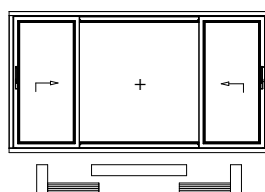
Pattern G3 symmetrical

1 Lift&Slide door
2 Fixed-glazed sashes
Fig.: sliding direction to the right



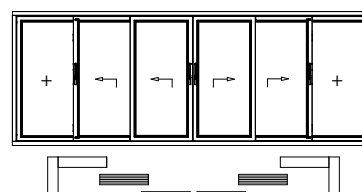
Pattern H

3 Lift&Slide doors
Fig.: sliding direction to the right and left



Pattern K

2 Lift&Slide doors
1 Fixed-glazed sash
Fig.: sliding direction to the right and left



Pattern L

4 Lift&Slide doors
2 Fixed-glazed sashes
Fig.: sliding direction to the right and left

Structural sealing

Instructions for the installation of a Lift&Slide element in the structure



Three indispensable functions for the joint

Although the inhabitants of a house or an apartment do not recognize the quality of the professional window seal between a window and the masonry at first glance, it is still crucial for the proper function of the element.

This connection (joint) must fulfil several functions. The sealing has a three-stage design to prevent these functions from hindering each other. A proper seal only works most effectively when there is an interplay between the external, central and internal sealing levels.

The ideal version of the three sealing levels prevents humidity-related structural damage and creates a healthy room climate.

Our perfectly coordinated components create a complete sealing system. In this way, Gretsch-Unitas not only fulfils all aspects of energy saving in line with the relevant regulations, but also satisfies the desire for an extremely high degree of living comfort.



Separation of indoor and outdoor environment – internal seal

The internal sealing level must be air-tight in line with the state of the art (EnEV). It must be less permeable than the external seal, so that moisture from the masonry can move outwards through the external seal. It therefore has the role of separating the indoor and outdoor environments, thus preventing water from condensing in the area of the connection.



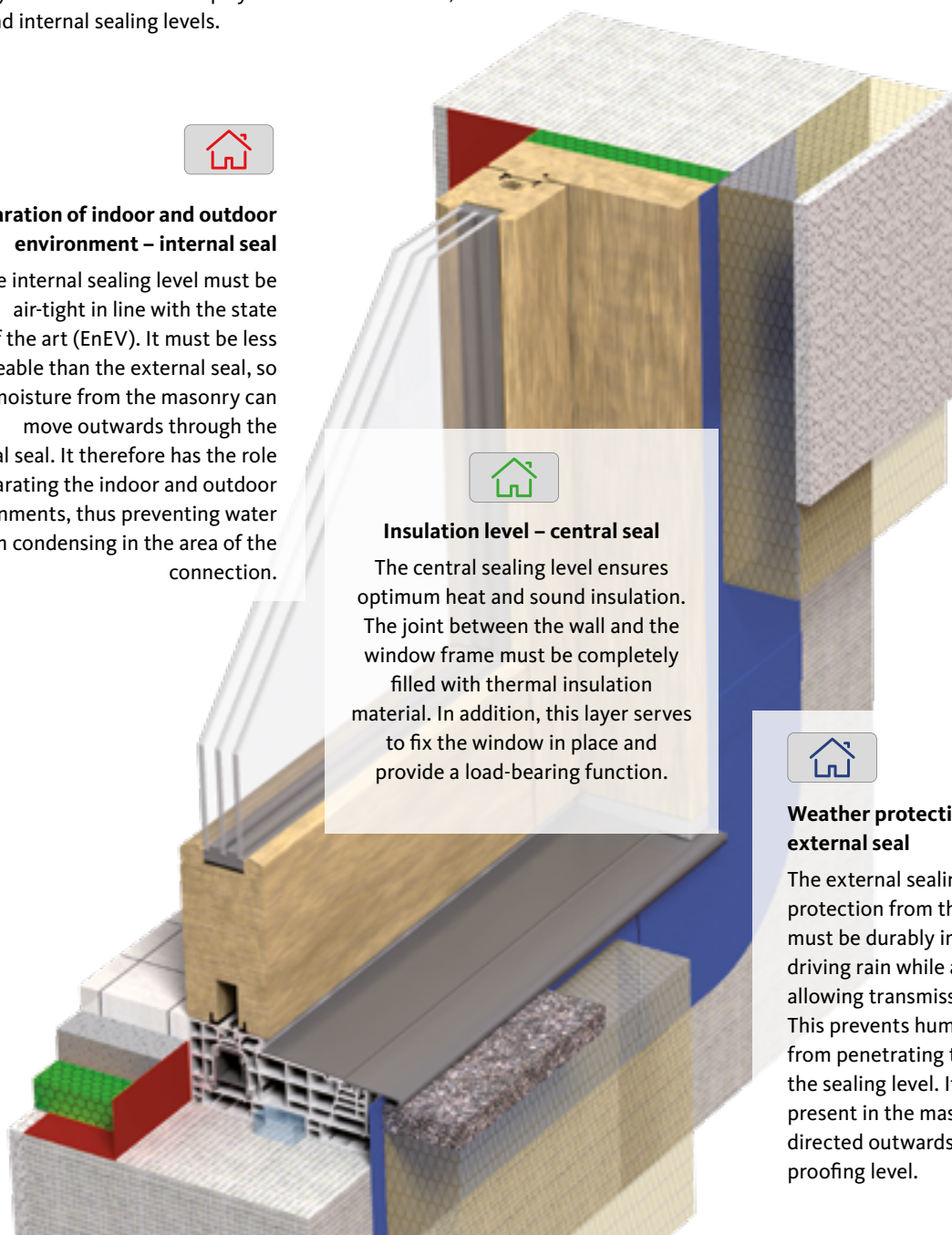
Insulation level – central seal

The central sealing level ensures optimum heat and sound insulation. The joint between the wall and the window frame must be completely filled with thermal insulation material. In addition, this layer serves to fix the window in place and provide a load-bearing function.



Weather protection level – external seal

The external sealing level serves as protection from the weather and must be durably impermeable to driving rain while at the same time allowing transmission of vapour. This prevents humidity and moisture from penetrating the masonry via the sealing level. If moisture is present in the masonry, this is directed outwards at this weather-proofing level.



GU-installation set for Lift&Slide elements

Sealing of threshold at bottom horizontal (you can find the necessary ordering information on pages 240 and 259)

Application areas

- Sealing of Lift&Slide doors and windows against components in contact with the ground, such as cellar walls and ground slabs
- Sealing against ground moisture (capillary water, retained water) and non-accumulating seepage water (in allusion to DIN 18195 Part 4)
- Sealing of balconies and patios in the outdoor areas

Processing

With the pre-assembled installation corners from Gretsche-Unitas, you can create corner connections quickly, cost-effectively and permanently. The corners are supplied with a flank length of 400 mm and a width of 200 mm. The surfaces to be glued on the component, the frame and the masonry must be clean and free of dust, grease, ice, standing water and separating agents. Strongly sucking substrates are pre-treated with GU primer (bonding agent): in 1 square metre 100 g of the GU primer should be applied – for example, with a brush – and then be ventilated thoroughly. The drying time depends on the temperature and the air humidity. The products from GU are covered with a webbed lamination and so are suitable as plaster bases.

Characteristics

- System tested by MPA Hanover, Germany
- Self-adhesive, simple to work with, immediately functioning
- Resistant to aging and weathering, UV-stabilised
- High resistance to tear and tear propagation due to cross-lamination of the film
- Water pressure tight up to 5 bar (foil side)
- Solvent-free, bitumen-free, bitumen-compatible, non-corrosive
- Smooth film surface with webbing
- Thermal stability -40 °C to +90 °C
- Pretreat substrate with GU primer
- Fire behaviour B2 (euro class E)
- Compound material butyl, sd-value 150 m and webbing sd-value 0.5 m
- Material thickness 1.0 mm +/- 0.2 mm

GU sealing systems

You can find products for sealing the various sealing levels in our order catalogue "Installation material".

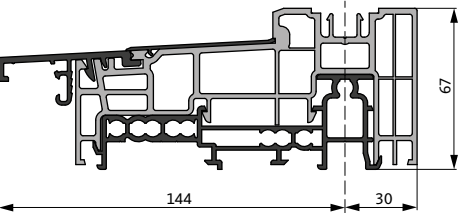
For every level, the right product					
		 Central sealing level	 Internal sealing level		
	Products	Accessories	GU window sealing tape – internal use	GU joint sealing compound – internal use	GU butyl sheet for structural sealing – internal use
 External sealing level	GU window sealing tape – external use	– GU sealing cord – GU gun foam – GU winter gun foam – GU 2K quick foam – GU super sealant – GU ultra sealant – GU winter sealant – GU EPDM construction adhesive – GU primer	■	■	■
	GU joint sealing tape BG1/600		■	■	■
	GU joint sealing tape BG2/300		■	■	■
	GU joint sealing compound – external use		■	■	■
	GU KSK sheet for structural sealing		■		
	GU EPDM sealing sheet – external use		■		■

Thresholds

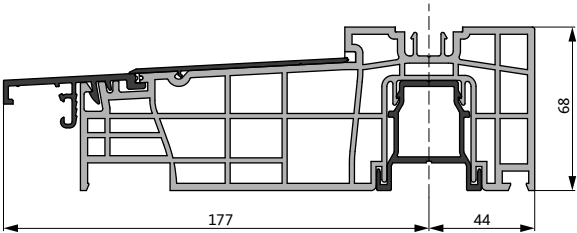
Versions and application ranges



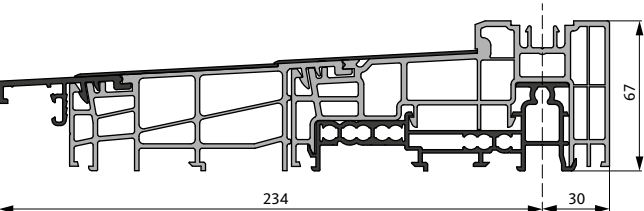
GU-thermostep thresholds



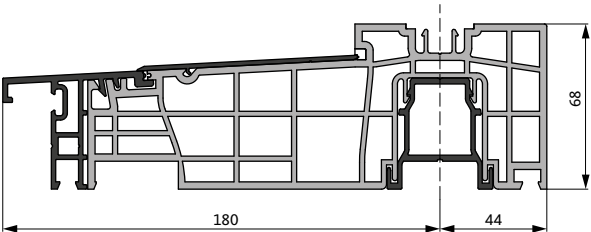
GU-thermostep 164 – sash thicknesses 56 and 68 mm



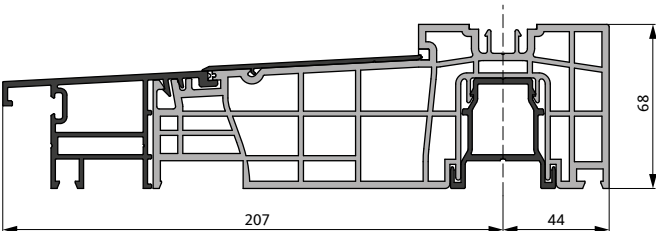
GU-thermostep 204 – sash thickness 78 mm



GU-thermostep 164 – for patterns E and L – up to sash thickness 78 mm

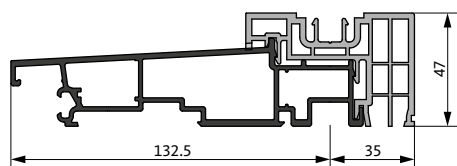


GU-thermostep 204 – sash thicknesses 88 to 92 mm



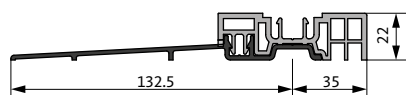
GU-thermostep 204 – sash thicknesses up to 110 mm

Thresholds – GU-threshold 47

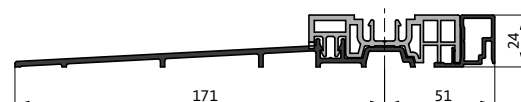


GU-threshold 47

Thresholds – GU-flatstep

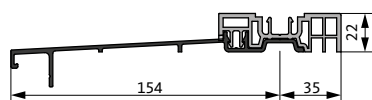


GU-flatstep 164



GU-flatstep 222

Thresholds – GU-timberstep



GU-timberstep 164



GU-timberstep 204

Thresholds

Crucial lengths for ordering profiles and long parts



Pattern A

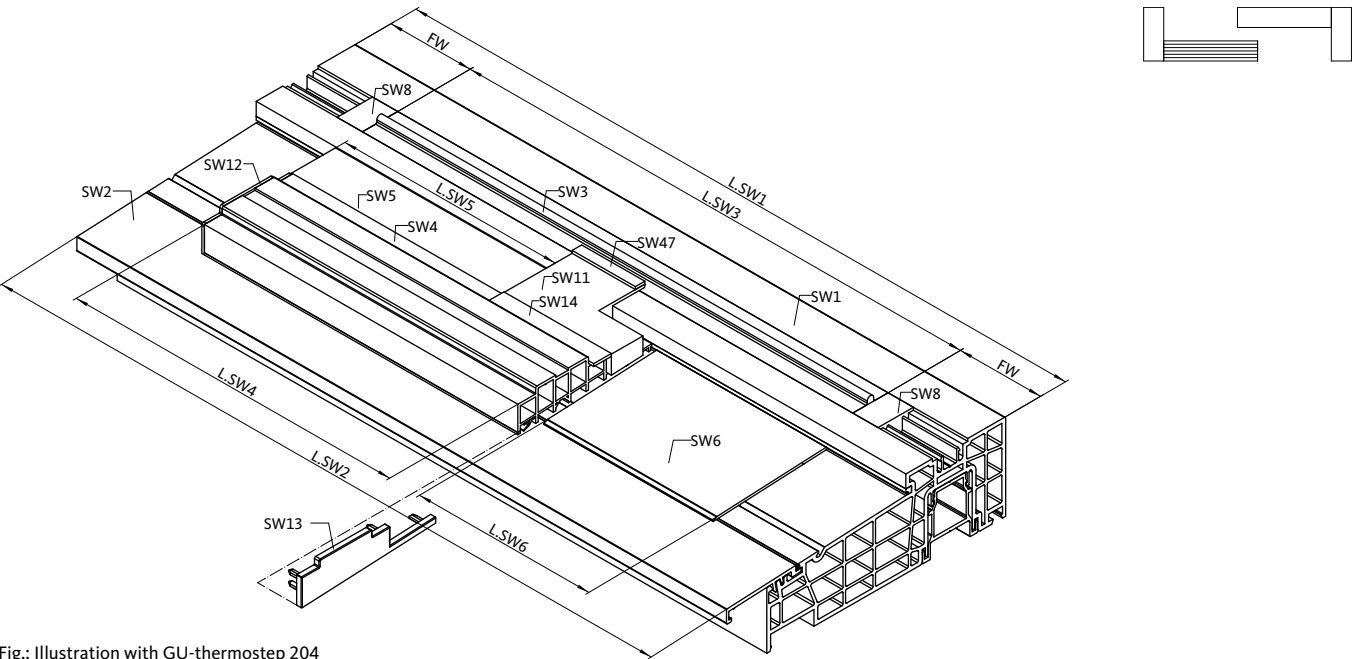


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW4	Attachment track
SW5	Intermediate profile (optional)
SW6	Tread threshold
SW8	Gasket plate for roller track groove
SW11	Gasket plate for meeting stile
SW12	Gasket plate for attachment track
SW13	End cap for attachment track
SW14	Gasket plate for fixed-glazed sash
SW47	Gasket strip

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track	= sash width (SW)	1x
Tread threshold *	= ½ total frame width (TFW)	1x
Roller track	= total frame width (TFW)	1x
Drip rail *	= total frame width (TFW)	1x

* With GU-thermostep threshold only

Pattern A3

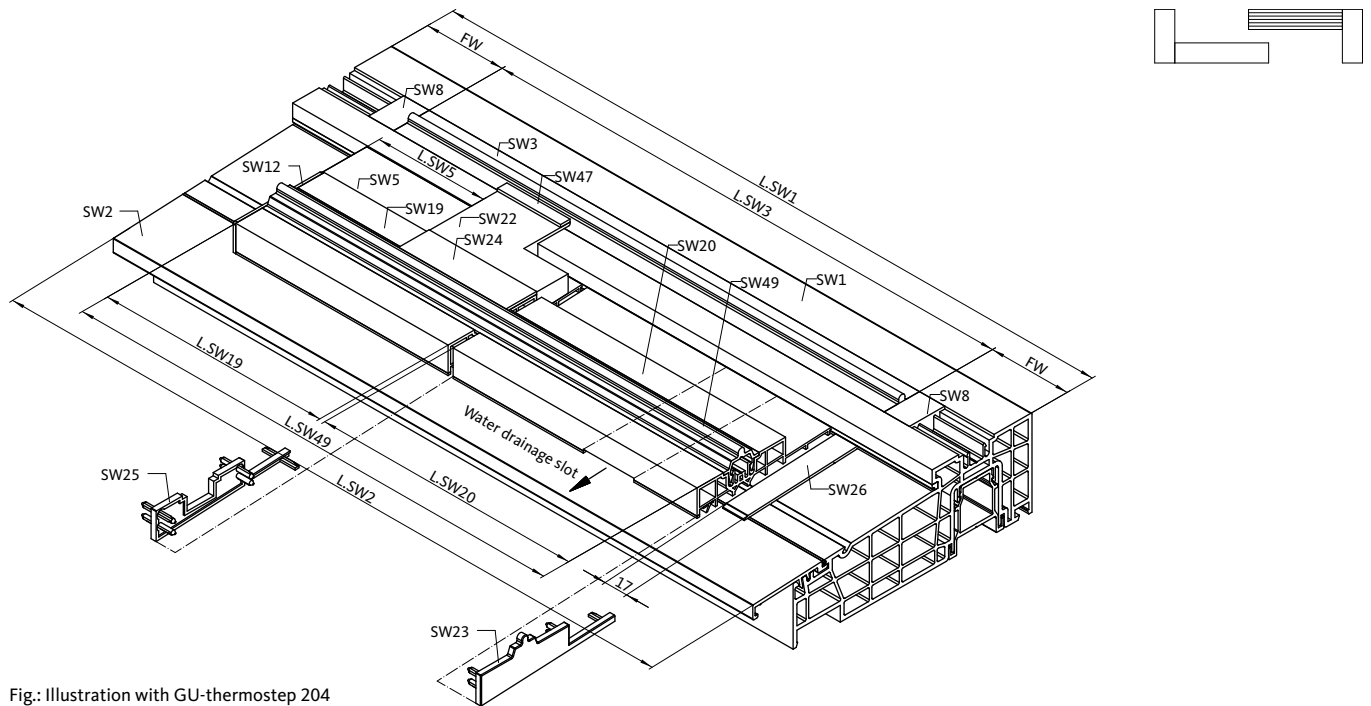


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW5	Intermediate profile (optional)
SW8	Gasket plate for roller track groove
SW12	Gasket plate for attachment track
SW19	Attachment track-1
SW20	Attachment track-2
SW22	Gasket plate for meeting stile
SW23	End cap for attachment track
SW24	Gasket plate for fixed-glazed sash
SW25	Extension for attachment track
SW26	Tread threshold
SW47	Gasket strip

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track-1	= sash width (SW)	1x
Attachment track-2	= sash width (SW)	1x
Tread threshold *	= ½ total frame width (TFW)	1x
Roller track	= total frame width (TFW)	1x
Drip rail *	= total frame width (TFW)	1x

* With GU-thermostep threshold only

Thresholds

Crucial lengths for ordering profiles and long parts



Pattern C

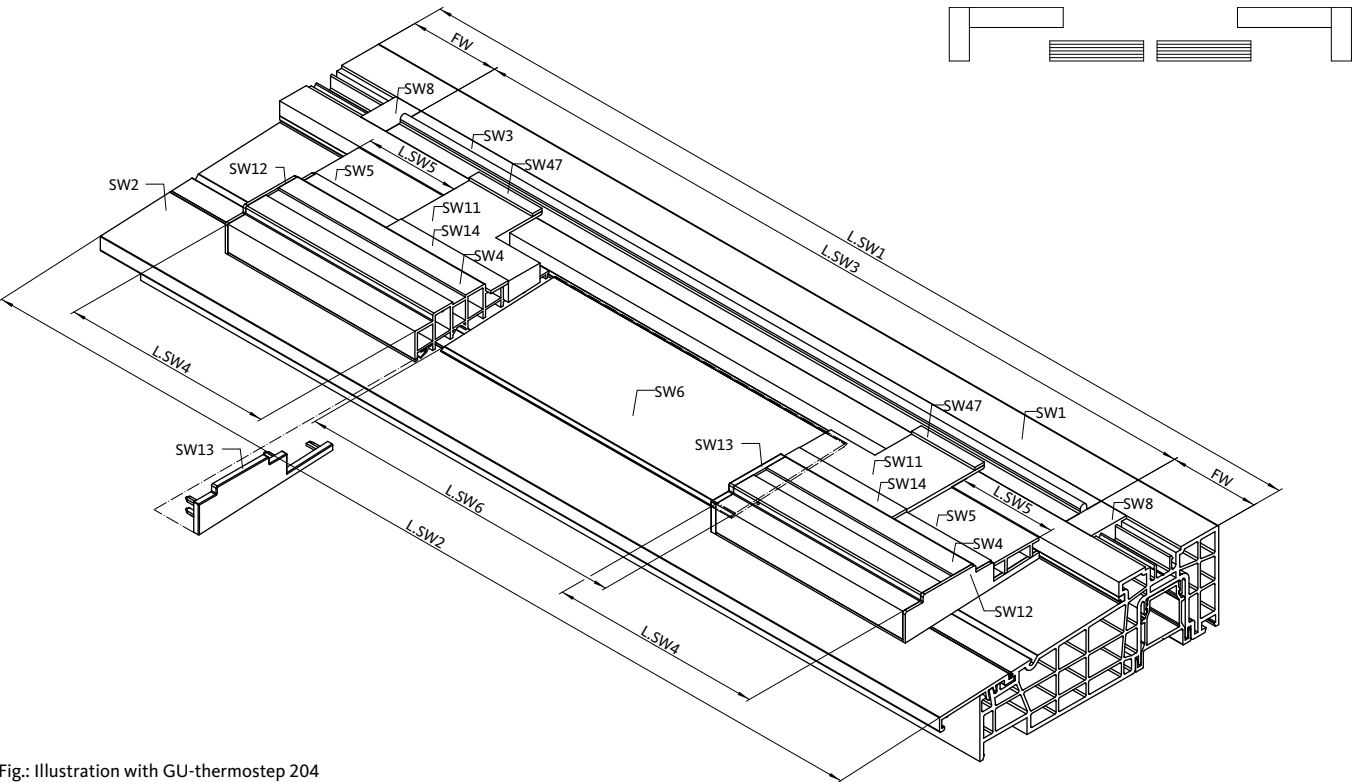


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW4	Attachment track
SW5	Intermediate profile (optional)
SW6	Tread threshold
SW8	Gasket plate for roller track groove
SW11	Gasket plate for meeting stile
SW12	Gasket plate for attachment track
SW13	End cap for attachment track
SW14	Gasket plate for fixed-glazed sash
SW47	Gasket strip

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track	= sash width (SW)	2x
Tread threshold *	= ½ total frame width (TFW)	1x
Roller track	= total frame width (TFW)	1x
Drip rail *	= total frame width (TFW)	1x

* With GU-thermostep threshold only

Pattern D

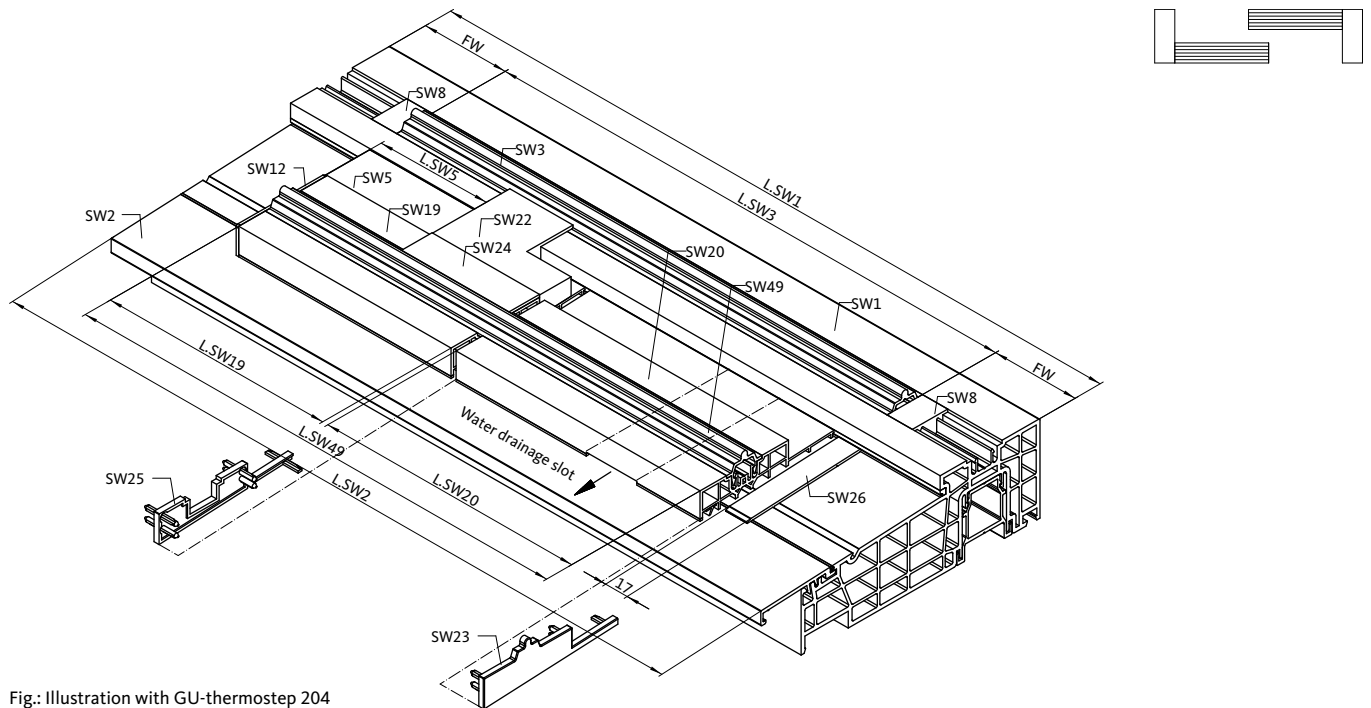


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW5	Intermediate profile (optional)
SW8	Gasket plate for roller track groove
SW12	Gasket plate for attachment track
SW19	Attachment track-1
SW20	Attachment track-2
SW22	Gasket plate for meeting stile
SW23	End cap for attachment track
SW24	Gasket plate for fixed-glazed sash
SW25	Extension for attachment track
SW26	Tread threshold

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track-1	= sash width (SW)	1x
Attachment track-2	= sash width (SW)	1x
Tread threshold	15 mm	1x
Drip rail	= total frame width (TFW)	1x
Roller track	= total frame width (TFW)	2x

Thresholds

Crucial lengths for ordering profiles and long parts



Pattern E

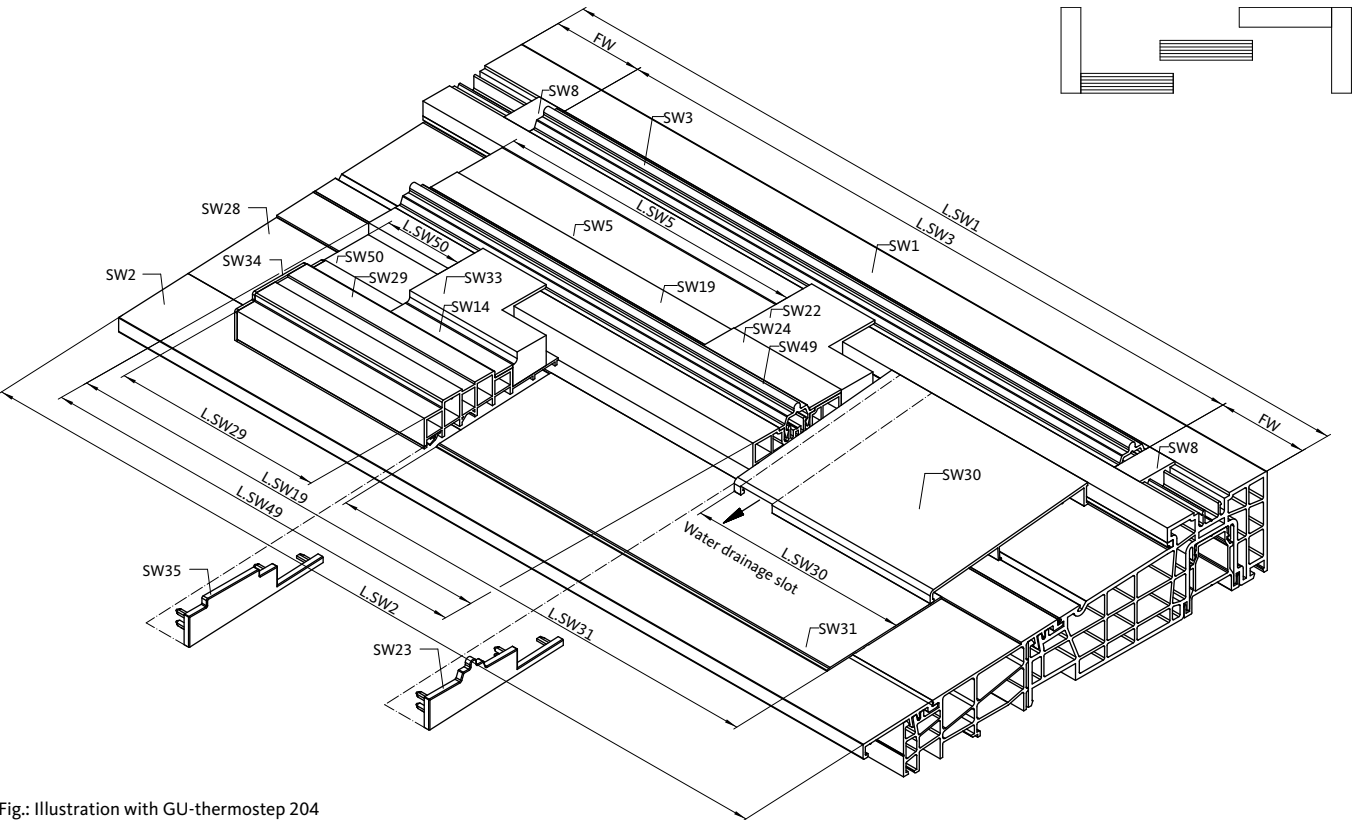


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track, inner sash
SW5	Intermediate profile, centre sash
SW8	Gasket plate for roller track groove
SW14	Gasket plate for fixed-glazed sash
SW19	Attachment track, centre sash
SW22	Gasket plate for meeting stile
SW23	End cap for attachment track
SW24	Gasket plate for fixed-glazed sash
SW28	Extension profile
SW29	Attachment track, fixed-glazed sash
SW30	Comfort profile
SW31	Tread threshold
SW33	Gasket plate for meeting stile
SW34	Gasket plate for attachment track
SW35	End cap for attachment track
SW49	Roller track, centre sash
SW50	Intermediate profile, fixed-glazed sash

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Extension profile	= total frame width (TFW)	1x
Drip rail	= total frame width (TFW)	1x
Attachment track, fixed-glazed sash	= ½ total frame width (TFW)	1x
Intermediate profile, fixed-glazed sash	= ½ total frame width (TFW)	1x
Attachment track, centre sash	= ½ total frame width (TFW)	1x
Intermediate profile, centre sash	= ⅔ total frame width (TFW)	1x
Roller track, centre sash	= ⅔ total frame width (TFW)	1x
Roller track, inner sash	= total frame width (TFW)	1x
Tread threshold, fixed-glazed sash *	= ⅔ total frame width (TFW)	1x
Comfort profile *	= ½ total frame width (TFW)	1x

* With GU-thermostep threshold only

Pattern F

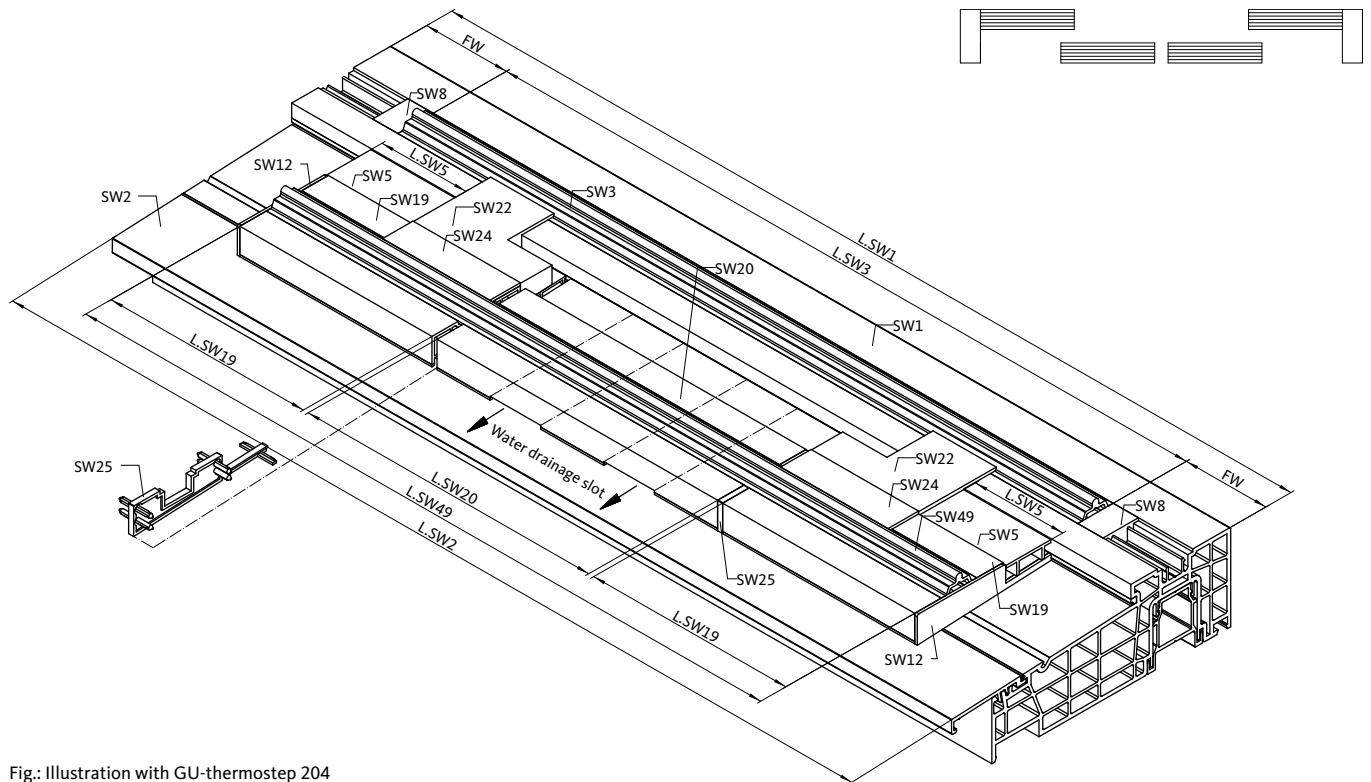


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW5	Intermediate profile (optional)
SW8	Gasket plate for roller track groove
SW12	Gasket plate for attachment track
SW19	Attachment track-1
SW20	Attachment track-2
SW22	Gasket plate for meeting stile
SW24	Gasket plate for fixed-glazed sash
SW25	Extension for attachment track
SW49	Roller track

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track-1	= sash width (SW)	2x
Attachment track-2	= sash width (SW)	2x
Drip rail	= total frame width (TFW)	1x
Roller track	= total frame width (TFW)	2x

Thresholds

Crucial lengths for ordering profiles and long parts



Pattern G1

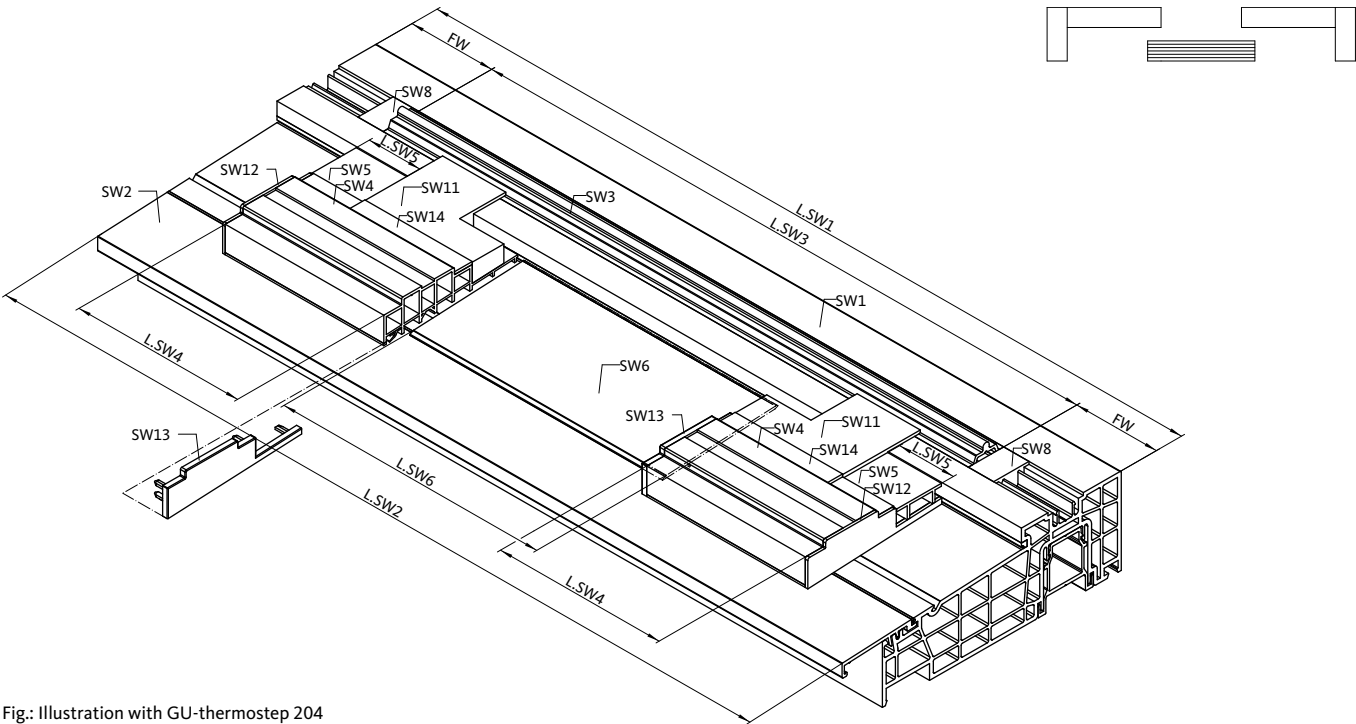


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW4	Attachment track
SW5	Intermediate profile (optional)
SW6	Tread threshold
SW8	Gasket plate for roller track groove
SW11	Gasket plate for meeting stile
SW12	Gasket plate for attachment track
SW13	End cap for attachment track
SW14	Gasket plate for fixed-glazed sash

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track	= fixed-glazed sash width (FGSW)	2x
Tread threshold *	= ½ total frame width (TFW)	1x
Roller track	= total frame width (TFW)	1x
Drip rail *	= total frame width (TFW)	1x

* With GU-thermostep threshold only

Pattern G2

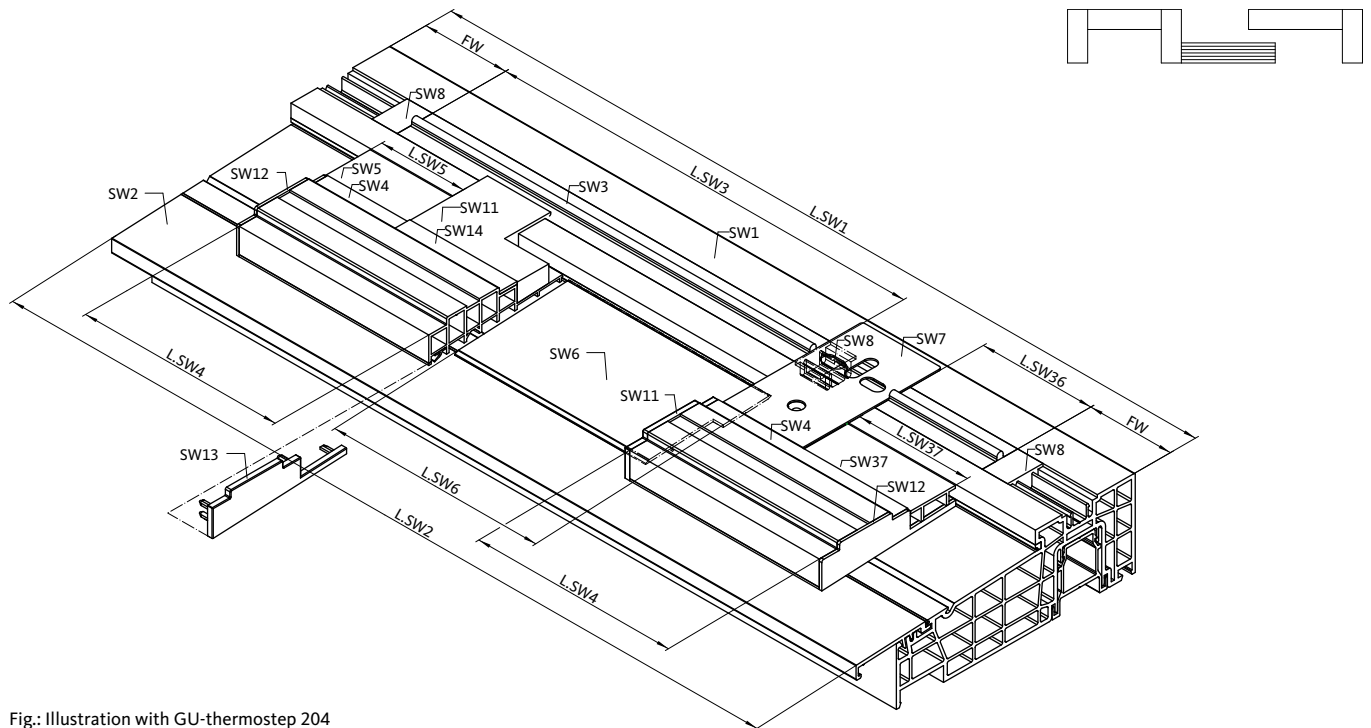


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW4	Attachment track
SW5	Intermediate profile (optional)
SW6	Tread threshold
SW7	Corner connectors
SW8	Gasket plate for roller track groove
SW11	Gasket plate for meeting stile
SW12	Gasket plate for attachment track
SW13	End cap for attachment track
SW14	Gasket plate for fixed-glazed sash
SW37	Intermediate profile (optional)

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track	= fixed-glazed sash width (FGSW)	2x
Tread threshold *	= 1/2 total frame width (TFW)	1x
Roller track	= 2/3 total frame width (TFW)	1x
Drip rail *	= total frame width (TFW)	1x

* With GU-thermostep threshold only

Thresholds

Crucial lengths for ordering profiles and long parts



Pattern G3

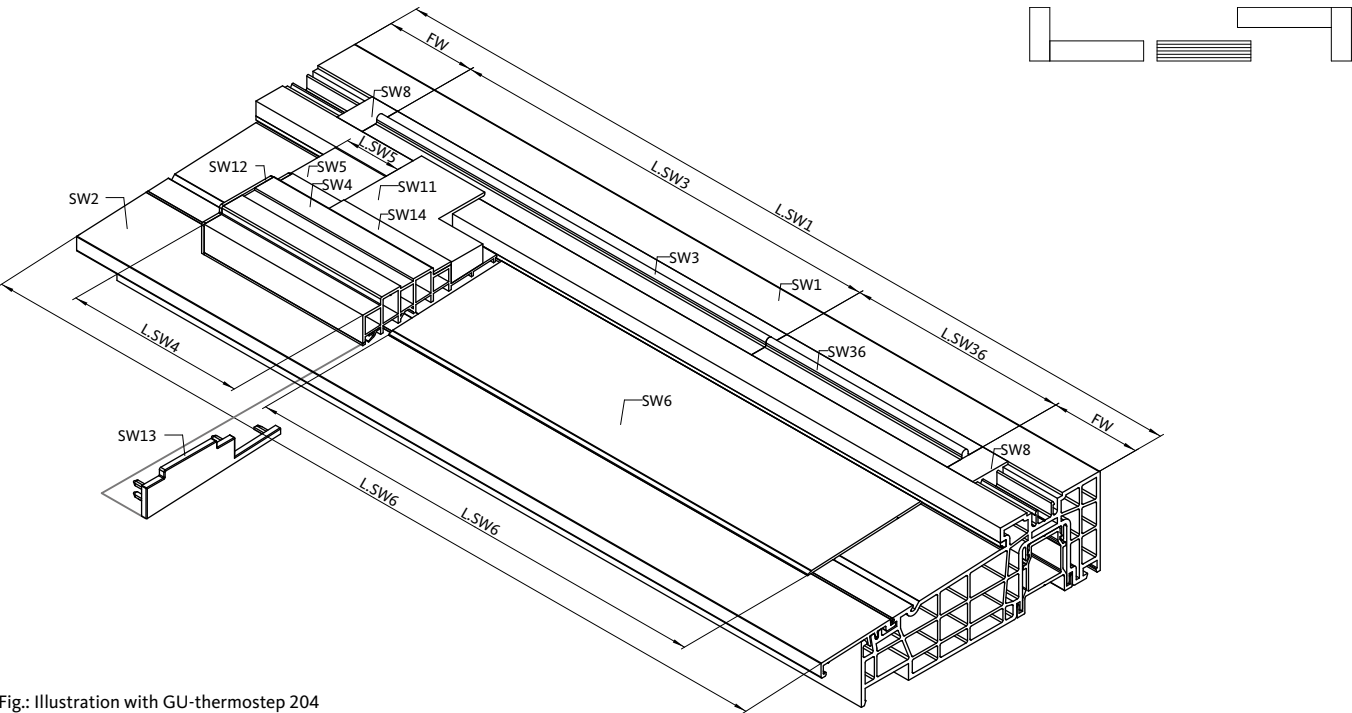


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW4	Attachment track
SW5	Intermediate profile (optional)
SW6	Tread threshold
SW8	Gasket plate for roller track groove
SW11	Gasket plate for meeting stile
SW12	Gasket plate for attachment track
SW13	End cap for attachment track
SW14	Gasket plate for fixed-glazed sash
SW36	Roller track

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track	= fixed-glazed sash width (FGSW)	1x
Tread threshold *	= ¾ total frame width (TFW)	1x
Roller track	= ¾ total frame width (TFW)	1x
Roller track	= ½ total frame width (TFW)	1x
Drip rail *	= total frame width (TFW)	1x

* With GU-thermostep threshold only

Pattern H

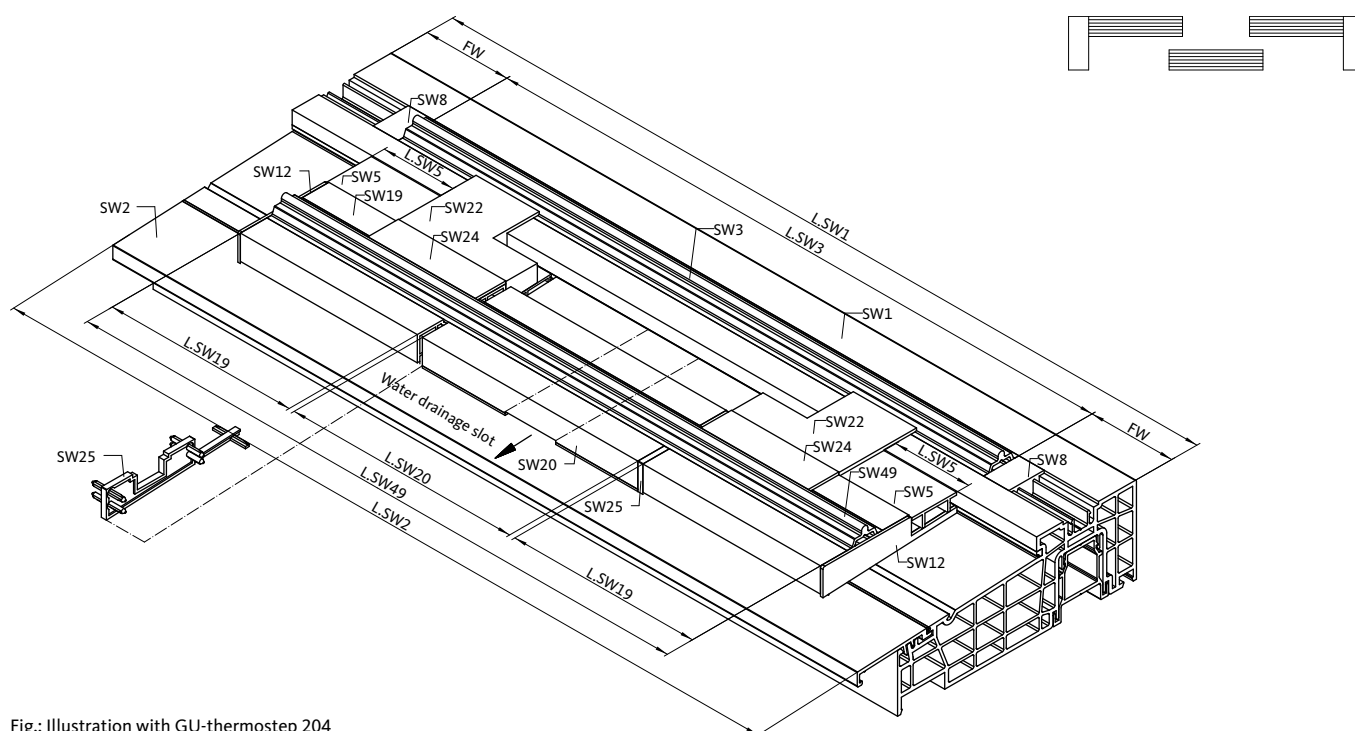


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW5	Intermediate profile (optional)
SW8	Gasket plate for roller track groove
SW12	Gasket plate for attachment track
SW19	Attachment track-1
SW20	Attachment track-2
SW22	Gasket plate for meeting stile
SW24	Gasket plate for fixed-glazed sash
SW25	Extension for attachment track
SW49	Roller track

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track-1	= sash width (SW)	2x
Attachment track-2	= sash width (SW)	1x
P 1651 drip rail	= total frame width (TFW)	1x
Roller track	= total frame width (TFW)	2x

* With GU-thermostep threshold only

Thresholds

Crucial lengths for ordering profiles and long parts



Pattern K

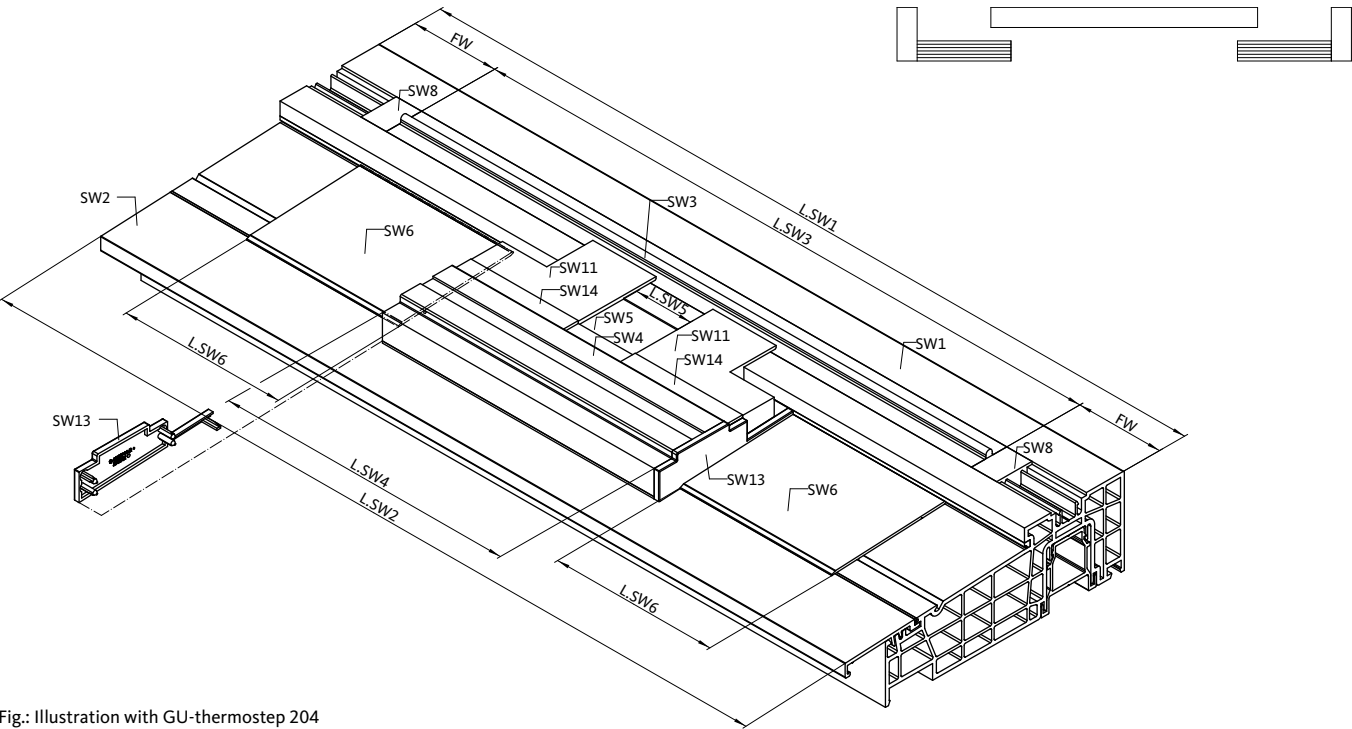


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track
SW4	Attachment track
SW5	Intermediate profile (optional)
SW6	Tread threshold
SW8	Gasket plate for roller track groove
SW11	Gasket plate for meeting stile
SW13	End cap for attachment track
SW14	Gasket plate for fixed-glazed sash

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Attachment track	= sash width (SW)	2x
Tread threshold *	= sash width 'SW'	2x
Roller track	= total frame width (TFW)	1x
Drip rail *	= total frame width (TFW)	1x

* With GU-thermostep threshold only

Pattern L

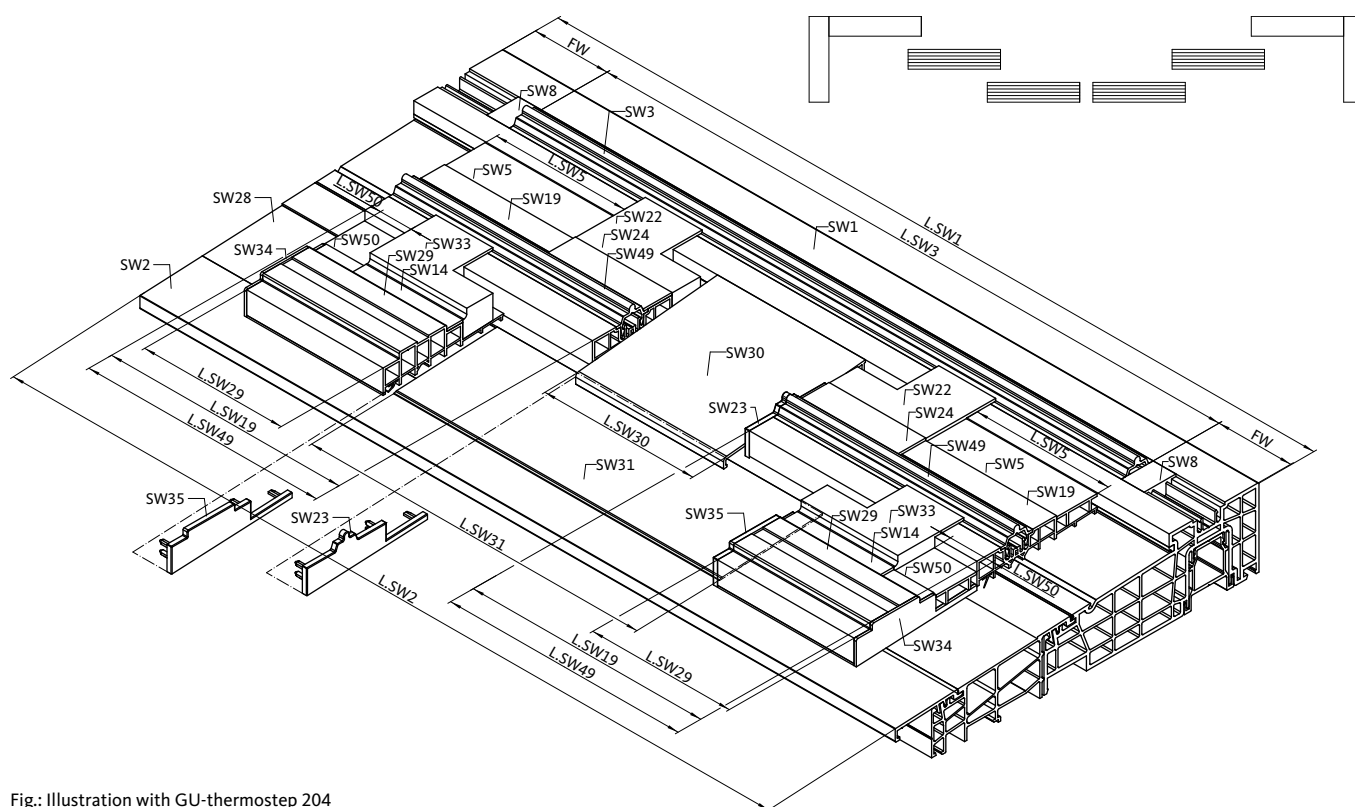


Fig.: Illustration with GU-thermostep 204

Item	Designation
SW1	Base profile
SW2	Drip rail
SW3	Roller track, inner sash
SW5	Intermediate profile, centre sash
SW8	Gasket plate for roller track groove
SW14	Gasket plate for fixed-glazed sash
SW19	Attachment track, centre sash
SW22	Gasket plate for meeting stile
SW23	End cap for attachment track
SW24	Gasket plate for fixed-glazed sash
SW28	Extension profile
SW29	Attachment track, fixed-glazed sash
SW30	Comfort profile
SW31	Tread threshold
SW33	Gasket plate for meeting stile
SW34	Gasket plate for attachment track
SW35	End cap for attachment track
SW49	Roller track, centre sash
SW50	Intermediate profile, fixed-glazed sash

Component length	= Length reference dimension	Required
Base profile	= total frame width (TFW)	1x
Extension profile	= total frame width (TFW)	1x
Drip rail	= total frame width (TFW)	1x
Attachment track, fixed-glazed sash	= ½ total frame width (TFW)	1x
Intermediate profile, fixed-glazed sash	= ½ total frame width (TFW)	1x
Attachment track, centre sash	= ¾ total frame width (TFW)	1x
Intermediate profile, centre sash	= ¾ total frame width (TFW)	1x
Roller track, centre sash	= ¾ total frame width (TFW)	1x
Roller track, inner sash	= total frame width (TFW)	1x
Tread threshold, fixed-glazed sash *	= ¾ total frame width (TFW)	1x
Tread threshold, centre sash *	= ½ total frame width (TFW)	1x

* With GU-thermostep threshold only

Turn handles

Materials and finishes



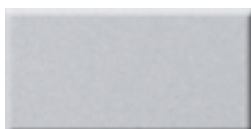
RONDO series



BELCANTO series



DIRIGENT series



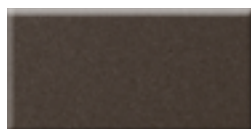
Silver / EV 1 look

With its cool, slightly reflective finish, the silver/EV 1 look offers the perfect complement to modern interiors. The robust finish is also impressive owing to its high impact- and scratch-resistance.



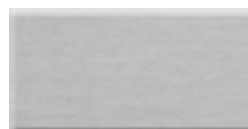
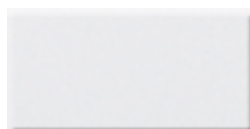
Solid brass

One of the outstanding versions of Lift&Slide turn handles is the brass cast made of solid metal. This important hardware is characterized in long-term use by its excellent corrosion resistance and its extremely low maintenance requirements.



Dark brown (similar to RAL 8022) White (RAL 9016)

Gretsch-Unitas creates ideally resistant surfaces – even in various different RAL colour shades – through product-specific coating procedures, which are characterized by a high-quality appearance and a particularly long service life.



Satin stainless steel

The satin stainless steel finish is particularly durable, which makes it an ideal alternative to other surface finishes.

Finish: 9 – more finishes available on request

Our turn handles are also available in various special colours on request. Individual design solutions and colour concepts can therefore be realised harmoniously throughout the entire building thanks to the expertise of Gretsch-Unitas.

Variety of profile cylinders

Delivery can be completed with compatible profile cylinders from the BKS locking cylinder range. Swiss round cylinders (CH-RC hole-type) round off the range.

Turn handles and flush pulls

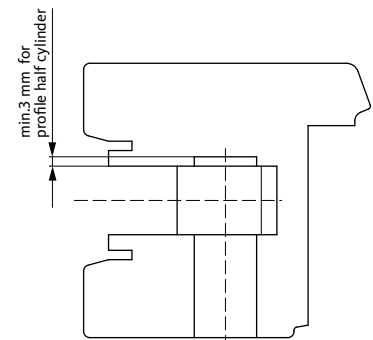
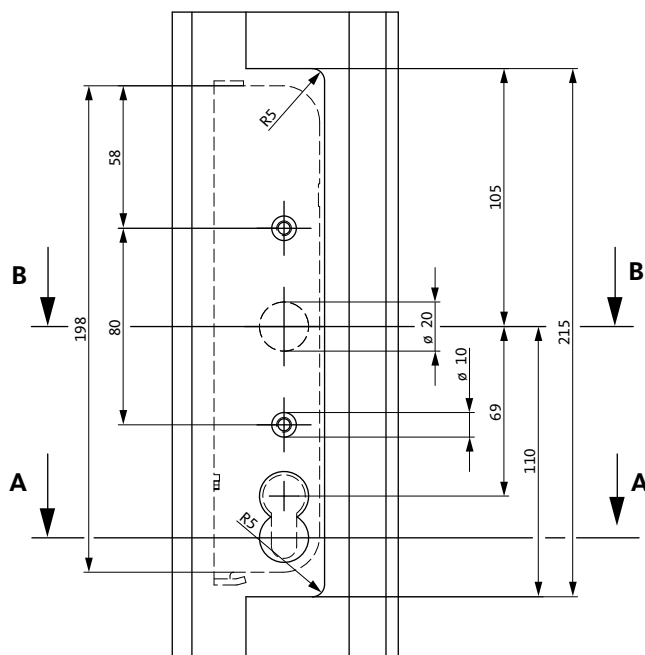
Drilling-hole patterns and dimensions



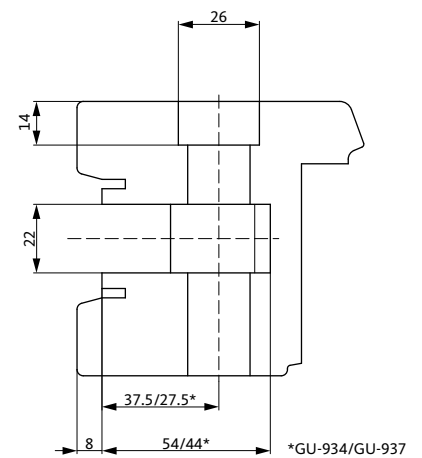
The turn handles and flush pulls for Lift&Slide elements are available in various materials and finishes. The turn handle range is rounded off with turn handles for actuation on both sides and variants with a CH-RC hole-type, as well as special versions.

Choose the right solution for you from our RONDO, BELCANTO and DIRIGENT series.

Drilling and milling dimensions for installation in the sash



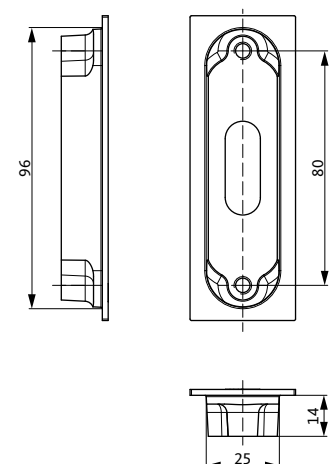
Section A - A



Section B - B

Drilling and milling pattern for flush pull

The milling depth depends on the overall depth of the flush pull. In the example shown, at least 14 mm.



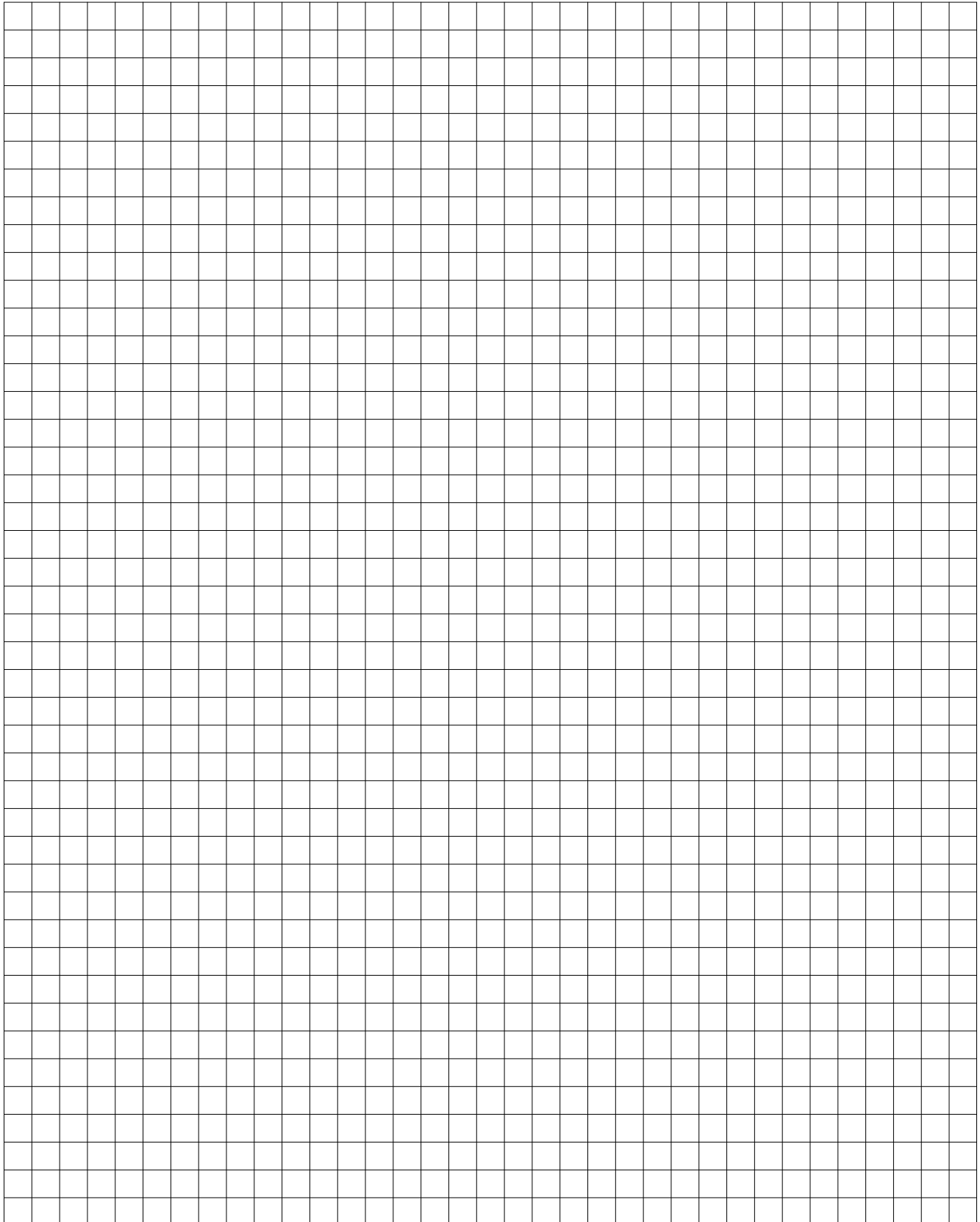
You can find ordering information in Chapter 6.0 "Turn handles and accessories" from page 433.

List of abbreviations



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





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