

## Handles

for all opening types

Operation mechanisms catalogue  
for PVC, timber and aluminium



## german made What does that mean?



Roto Frank AG with headquarters in Leinfelden-Echterdingen near Stuttgart is a German company group. Roto has become big soundly – organically, consistently.

Our common values represent an identity that has enabled Roto, as a German company, to become a service leader. The value structure of our company is based on three pillars:

- Continuity, results and reliability
- Experience, ambition to succeed and vision
- Knowledge, ability and German engineering skills

As a technological pioneer, Roto develops intelligent product solutions that feature impressively precise technology and long service life.

Production and environmental management as well as logistics, irrespective of the manufacturing country, are based on German values such as reliability, thoroughness and vision.

German precision in the design and development, quality and process management ensure the provision of high-quality performances and services.

The consistent implementation of German values in quality specifications and standards ensures that our partners and customers can place their trust in us. This is “german made”.

People across the globe trust our superior performance. They know that they can rely on us for **custom-designed, functional and reliable solutions** and **a comprehensive range of services**.

The Roto name has represented an inventive spirit and technological progress in compatible components for the construction industry since 1935. Roto Frank AG is currently wholly owned by families descended from the company's founder, Wilhelm Frank. It takes the form of a holding for all companies in the Roto Group. Our roots are in Baden-Württemberg, Germany.

We are active all over the world with an extensive business portfolio, two divisions and more than 4000 employees.

The outstanding quality of Roto solutions frequently goes unseen. Millions of items of Roto hardware have enabled windows and doors all over the world to work correctly and move as intended.

Even where Roto products can be seen immediately, they impress because they ensure flawless performance. Roto roof windows improve the quality of life in the rooms underneath the roof. Flashings for photovoltaics and solar thermal energy and the special stairs from Roto Columbus complete our extensive range of products.

We work intensively on the basis of clear management and conduct principles to secure the position of the Roto Group as a success story and to ensure continued success.

We are inspired time and time again by the requests and expectations of our customers – whether you are a builder, planner, architect, manufacturer or retailer of windows and doors, or manufacturer or specialist retailer for roofing.



# Roto

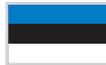
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# 1 Information

## 1.1 General



### INFO

All dimensions stated in millimetres. Other values are specified.

The following markings are used in this document.

### 1.1.1 Material

Symbol	Meaning
Material	
	Timber
	Plastic
	Aluminium
	Timber and aluminium
	Timber and PVC
	Timber, PVC and aluminium

## 1.1.2 Opening types

Symbol	Meaning
	Turning
	Tilting
	Turning and tilting
	Outwards turning
	Tilting and sliding
	Sliding outwards
	Sliding
	Folding and sliding
	Lifting



### 1.1.3 Product characteristics

Symbol	Meaning
	Hardware axis
	Designation
	DIN
	Distance
	Colour code
	Colour
	Information
	Length
	Material number
	Surface-finish
	Roto logo
	Number of screws
	Type of screws
	Security grade
	Spindle length
	Depth
	Packaging quantity
	Fork length



### 1.1.4 Surface names

Abbreviation	Meaning
anod.	Anodised
powd-c	Powder-coated
wet p	Wet painted
met p	Metallised
galv.	Galvanised

### 1.1.5 Colours

Colour code	Colour	RAL number
R01.1	Natural silver	–
R01.2	Nickel silver	–
R01.3	Titanium	–
R01.4	Chromium	–
R01.5	Silver	–
R03.1	Brass, matt	–
R03.2	Brass, shiny	–
R03.3	Gold	–
R03.4	Stainless-steel design	–
R04.1	Grey brown	8019
R04.3	Olive brown	–
R04.4	Black brown	8022
R05.3	Medium bronze	–
R05.4	Dark bronze	–
R05.5	Bronze	–
R06.2M	Jet black, matt	9005 matt
R06.2	Jet black	9005
R06.4M	Black, matt	–
R07.1	Pure white	9010
R07.2	Traffic white	9016
R07.3	Cream	9001
SP. COL.	Special colour	–
Raw	Uncoated	–

#### Colour examples



R01.1   R01.2   R01.3   R03.1   R04.1   R04.4   R05.3   R05.5   R06.2   R07.2



#### INFO

Colours may deviate in the illustration.



## 1.1.6 Abbreviations

Abbreviation	Meaning
HA	Hardware axis
DIN L / R	DIN left / right
T&T	Tilt&Turn hardware
Anod.	Anodised
SRW	Sash rebate width
SRH	Sash rebate height
S.kg	Sash weight
Y	Yes
VT	Vertical tilting
CON	Connectable
Met.	Metallised
mm	Millimetres
CL	Centre lock
N	No
Wet-ptd	Wet-painted
Nm	Newton metres
LMD	Lifting mishandling device
Not dep.	Not depicted
Powd.	Powder-coated
RC1 N	Resistance class 1
RC2 / RC2 N	Resistance class 2
SEC	Security

## 1.1.7 Protection of copyright

The contents of this document are copyright-protected. This content can be used when working with the hardware. Any other use is not permitted without written permission of the manufacturer.

## 1.2 Roto window handles – 10-year functional warranty



A high-quality Roto product always means the fulfilment of a promise of quality made to our customers. The best proof of this is a 10-year warranty on many of our window and door handles (if the relevant maintenance guidelines are adhered to; please refer to the following guideline → *from page 17*).

These Roto window and door handles are tested for their long-term proper operation in a large number of tests. Long-term functional tests and static loading tests which realistically simulate the demanding “everyday life” of window and door handles are carried out depending on the requirements and thereby, in some cases, exceed the tests and demands of RAL-GZ 607/9.

In the cycles of the long-term functional tests according to RAL-GZ 607/9, the handles are tested separately. The operation of door and window handles is tested (in accordance with the appropriate operation cycle quantity) under realistic conditions while fixed to product test specimens (door and/or window element). This means that apart from the actual operational function, also the durable connection between the handle and the product test specimen is tested.

With the 10-year functional warranty, Roto surpasses the obligatory 2-year warranty enforced in the “BGB” (BGB = German Civil Code) and the 4-year warranty period stated in “VOB” for project business (VOB = German construction contract procedures).

### Warranty service

Beyond the vendor’s legal quality warranty, we as manufacturer warrant perfect durability of properly used Roto door and window handles under the following conditions. The warranty covers the function of Roto door and window handles and covers all defects that are evident as fabrication or material defects.

The functional warranty covers the following features:

- Transmission of the rotational motion for the door lock or for the Tilt&Turn window hardware
- Blocking mechanism (on window handles with special functions: lockable, automatic locking, Secustik®)

### Warranty exemption

All replaceable individual parts, e.g. screws, connection pins etc. are excluded from this warranty. Furthermore, no liability is accepted for damages that have arisen from:

- unsuitable and inappropriate application,
- defective and careless treatment,
- non-observance of installation and maintenance instructions, modifications and self repairs,
- chemical and physical damage of the material surface finish arising from improper use; for example damage caused by sharp objects,
- parts (doors, windows) and/or hardware components (e.g. locks, hinges, etc.) not in perfect working order.

### Warranty conditions

Our warranty exclusively consists of either carrying out repairs on the product free of charge for the firsthand end-user within the warranty period or if we choose to do so, supply a free of charge replacement delivery of a similar handle. The warranty-recipient’s incurred costs, expenses, postage and suchlike shall not be reimbursed. The warranty claim exists only upon presentation of the product and the proof that the defect in functionality occurred within the warranty period. This detection can be performed in particular upon presentation of the receipt of purchase. Therefore it is recommended to keep the sales receipt in a safe place at least until the expiration of the warranty period.



**Warranty period**

The warranty period for handles with high-quality promise is 10 years and begins on the day of purchase by the firsthand end-user. In case of complaints, please contact the seller or the manufacturer directly, presenting the product itself and proof of purchase.

## 1.3 Product liability guidelines

According to the “product liability law”, as a manufacturer, Roto is liable that all its products offer the safety which could be expected after the products’ presentation. Therefore, the following guidelines must be adhered to as well as the contents and notes in further documents which are referred to. Non-compliance exempts Roto of its liability.

### Product information

Roto operating mechanisms are hardware components which aid the opening and closing motions and/or blocking processes of balcony doors and window elements for building/residential constructions. Supplied fixing materials must be used.

To install hardware components in aluminium profiles, Roto recommends the use of fixing materials made from stainless steel or with a zinc flake coating. Contact corrosion can occur if other fixing materials are used.

Products which are used in an aggressive, corrosive environment are special hardware; they may only be used after consultation with Roto.

### Proper specified use

Proper use of a locking system only occurs if

- the locking system has been assembled professionally with permissible hardware, locking appliances (i.e. keys & cylinders), as well as accessories (i.e. striker plate),
- the information, instructions and notes included in this guideline, this catalogue and other technical documents have been followed,
- the relevant mandatory legal provisions and technical standards have been followed,
- the assembly of the locking system was properly performed by experts whilst observing the information, instructions and notes issued by Roto about this and
- the maintenance and care instructions have been followed.

The duration of the adequacy of a product particularly depends on

- the operational frequency,
- the operational manner,
- the environment and care.

It is necessary to replace an operating element if the function cannot be guaranteed any more or if the surface creates an injury risk despite maintenance and care.

The locking systems are designed for profile cylinders.

The locking systems are not suitable for deformations and modifications of the final sealing-closure as a result of differences in temperature or building modifications.

The respective entire hardware set (locking system) must be properly assembled from Roto original hardware components. If non-Roto hardware components are used, Roto is not liable for any malfunctions or damages caused by them.

Windows and balcony doors for damp rooms and for use in environments with aggressive, corrosive air-content require special hardware.

### Misuse (inappropriate or incorrect use)

In the event of a deviation from the correct use, a misuse or product abuse occurs which leads to a liability exclusion.

This particularly holds if

- auxiliary tools have been used for operation (e.g. pliers or attached pipes),
- additional loads (retaining and bracing forces) have been introduced (e.g. placing an object underneath a door handle to block the door),
- forces are used on the handle which exceed normal hand force (e.g. when attempting to remove a block of a Tilt&Turn hardware with an increased use of force or when using door handles as a retaining element e.g. with children),
- strange objects and/or incorrect objects are introduced (e.g. pins from outside manufacturers or the combination of non-Roto and Roto components),
- interventions or attacks occur which influence function (e.g. attempted break-ins or -outs with auxiliary tools with lockable window handles),



- the surface is damaged with sharp objects,
- because of the use of a non-Roto or non-specified object in the hardware system or striker plate perfect operation is prevented,
- a burglary attempt is carried out on the hardware system or striker plate, which results in a modification of the construction, or affects its function.

Further notes on misuse can be found in the product-specific documentation.

### **Product maintenance**

The correct performance-related location of the hardware components and the fixing materials must be ensured!

For all moving parts – depending on demand possibly more often – the following maintenance work is to be carried out annually:

Hardware systems should be treated with maintenance agents recommended by Roto depending on demand.

They should not be treated with strong acids and alkaline solutions. Contamination with plaster and similar materials must be avoided in every case. Only cleaning agents which do not contain corrosive materials should be used.

### **Obligation to issue information and instructions**

For further information, the following documents are available for trade, planners, architects, the consulting institutions, the fabricators, builders and users:

- catalogues and brochures,
- tendering texts,
- purchasing information,
- offer documents,
- instructions for assembly, operation and care.

Roto is also on hand to advise.

To select a Roto hardware system and for assembly, operation and care,

- architects, planners and consulting institutions are advised to order all necessary product information from Roto and observe it;
- specialised dealers are advised to observe the product information and notes contained in the documentation and also to order all necessary instructions from Roto and distribute them to fabricators;
- fabricators are advised to observe all product information and also to order operation and maintenance instructions from Roto and distribute to clients and users.



## 1.4 Quality assurance requirement

Significant (directive) for window hardware systems are RAL-GZ 607/9 and the DIN standards DIN EN 13126-3 and DIN 18267.

The European standard DIN EN 13126 consists of 19 parts. It deals with hardware for windows and balcony doors. Part 3 of this standard series has been completely reworked (edition February 2012). Using a 9-digit classification key (see → *from page 20*), it defines requirements and test procedures for operating handles, particularly for Tilt&Turn, Tilt-First and Turn-Only hardware.

In the first place of the classification key, two utilization categories of operating handles have been introduced whilst considering different quality levels in Europe. The higher grade 2 represents the known and established product characteristics of previous RAL window handles. The seventh position defines 3 grades for the protective effect of lockable window handles. It was designed according to the requirements of the European standard for burglary-inhibition DIN EN 1627.

The European standard does not set requirements for the dimensions of the window handles. These are prescribed in DIN 18267 (e.g. spindle 7 mm, inside micrometer of the screw fixing 43 mm).

The reworked DIN EN 13126-3 forms the foundation of the newly established quality guideline RAL-GZ 607/9 (version September 2012). For this, it is a minimum requirement that window handles correspond to grade 2 of the utilization category and grade 2 or 3 of the protection effect (see tables → *from page 20*). Aside from this, now RAL-GZ 607/9 makes the following distinctions:

### 1.4.1 RAL

Window handles with RAL-capable lock-in position, at least 10,000 Tilt&Turn cycles, at least 48 h corrosion resistance in a salt spray test.

#### RAL – Minimum requirements in accordance with DIN EN 13126-3:

Utilization category	Durability (long-term functional tests)	Mass	Fire resistance	Utilization safety	Corrosion resistance	Protection effect	Application	Test size
2	3/180	-	0	1	2	0/0	3/C1	-

### 1.4.2 RAL100

Lockable or bar-able window handle with RAL-capable lock-in position, at least 10,000 Tilt&Turn cycles, at least 48 h corrosion resistance in a salt spray test, 100 Nm resistance against twisting off and ripping off, deadbolt or locking mechanism with at least 100 possible locking variations.

#### RAL100 – Minimum classification according to DIN EN 13126-3:

Utilization category	Durability (long-term functional tests)	Mass	Fire resistance	Utilization safety	Corrosion resistance	Protection effect	Application	Test size
2	3/180	-	0	1	2	2/1[1]	3/C1	-
2	3/180	-	0	1	2	2/3[2]	3/C1	-

### 1.4.3 RAL200

Lockable or bar-able window handle with RAL-capable lock-in position, at least 10,000 Tilt&Turn cycles, at least 48 h corrosion resistance in a salt spray test, 200 Nm resistance against twisting off and ripping off, deadbolt or locking mechanism with at least 100 possible locking variations.

#### RAL200 – Minimum classification according to DIN EN 13126-3:

Utilization category	Durability (long-term functional tests)	Mass	Fire resistance	Utilization safety	Corrosion resistance	Protection effect	Application	Test size
2	3/180	-	0	1	2	3/1	3/C1	-
2	3/180	-	0	1	2	3/3	3/C1	-

[1] Deadbolt mechanism

[2] Locking mechanism



## 1.4.4 Classification key in DIN EN 13126-3:2012-02

### 1. digit: Utilization category

#### Grade 1

Locking torque before and after the durability test	Interim run $M_0 \leq 1.4 \text{ Nm}$ Disengaging torque $M_a \leq 6.0 \text{ Nm}$ Difference value $M_d \geq 0.4 \text{ Nm}$
Free play at right angle and parallel to the mounting plane	$\Delta \leq 6.0 \text{ mm}$
Torsion strength 220 N/85 mm/30 s	Permissible deformation $\Delta \leq 5.0 \text{ mm}$
Tension strength of the pin connection	$F \geq 100 \text{ N}$
Tension strength non-centred	$F = 1,200 \text{ N}$

#### Grade 2

Locking torque before and after the durability test	Interim run $M_0 \leq 0.8 \text{ Nm}$ Disengaging torque $M_a \leq 4.0 \text{ Nm}$ Difference value $M_d \geq 0.8 \text{ Nm}$
Free play at right angle and parallel to the mounting plane	$\Delta \leq 4.0 \text{ mm}$
Torsion strength 220 N/85 mm/30 s	Permissible deformation $\Delta \leq 2.0 \text{ mm}$
Tension strength of the pin connection	$F \geq 100 \text{ N}$
Tension strength non-centred	$F = 1,200 \text{ N}$

### 2. digit: Durability (long-term functional tests)

Grade 3/90	10,000 Turn cycles
Grade 4/90	15,000 Turn cycles
Grade 5/90	25,000 Turn cycles
Grade 3/180	10,000 Tilt&Turn cycles
Grade 4/180	15,000 Tilt&Turn cycles
Grade 5/180	25,000 Tilt&Turn cycles

### 3. digit: Mass

No requirements according to main part EN 13126-1

### 4. digit: Fire resistance

No requirements according to main part EN 13126-1

### 5. digit: Utilization safety

Grade 1 according to main part EN 13126-1



**6. digit: Corrosion resistance**

at least grade 2 of EN 1670 according to main part EN 13126-1

**7. digit: Protection effect**

(According to additional test parameters)

Grade 0	No protective effect
Grade 1	35 Nm resistance to twisting off and ripping off
Grade 2	100 Nm resistance to twisting off and ripping off
Grade 3	200 Nm resistance to twisting off and ripping off
Extension 0:	No locking mechanism
Extension 1:	Deadbolt mechanism
Extension 2:	Locking mechanism with key with $\leq 99$ locking variations
Extension 3:	Locking mechanism with key with $\geq 100$ locking variations

This leads to the following combination options for the 7. digit:

0/0	Without protective effect/without locking mechanism
1/1	35 Nm resistance to twisting off and forceful removal due to deadbolt mechanism
1/2	35 Nm resistance to twisting off and forceful removal due to locking mechanism with key with $\leq 99$ locking variants
1/3	35 Nm resistance to twisting off and forceful removal due to locking mechanism with key with at least 100 locking variants
2/1	100 Nm resistance to twisting off and forceful removal due to deadbolt mechanism
2/2	100 Nm resistance to twisting off and forceful removal due to locking mechanism with key with $\leq 99$ locking variants
2/3	100 Nm resistance to twisting off and forceful removal due to locking mechanism with key with at least 100 locking variants
3/1	200 Nm resistance to twisting off and forceful removal due to deadbolt mechanism
3/2	200 Nm resistance to twisting off and forceful removal due to locking mechanism with key with $\leq 99$ locking variants
3/3	200 Nm resistance to twisting off and forceful removal due to locking mechanism with key with at least 100 locking variants

**8. digit: Application**

Applied part of this European Standard: Grade 3

Application N	Without locking function
Application C	With locking function
Version 1	Window handle
Version 2	Espagnolette handle

This leads to the following combination options for the 8. digit:

3/N1	Part 3 / without locking function / window handle
3/N2	Part 3 / without locking function / espagnolette handle



3/C1	Part 3 / with locking function / window handle
3/C2	Part 3/with locking function/espagnolette handle

**9. digit: Test size**

No requirement

**Example:**

Utilization category	Durability (long-term functional tests)	Mass	Fire resistance	Utilization safety	Corrosion resistance Surface brass (polished/painted) grade 4	Protection effect	Application	Test size
2	3/180	-	0	1	5	0/0	3/C1	-

**Explanation:**

1. Operating handle of the utilization category 2
2. Tested with 10,000 Tilt&Turn cycles
3. No requirements for the mass of the window (not intended)
4. No requirements for fire resistance of the window (not intended)
5. Utilization safety 1 (only intended like that)
6. Corrosion resistance grade 2 of DIN EN 1670 (corresponds to 48 h in neutral 1. digit salt spray test)
7. 200 Nm resistance to twisting off and forceful removal and a locking mechanism with key with at least 100 locking variants
8. Use as window handle with engaging mechanism (lock-in)
9. No requirements on the test size of the window (not intended)

**1.4.4.1 Table 1: Operating element Standard without lock-in / with lock-in position 45°**

Utilization category	Durability (long-term functional tests)	Mass	Fire resistance	Utilization safety	Corrosion resistance Surface brass (polished/painted) grade 4	Protection effect	Application	Test size
2	3/180	-	0	1	5	0/0	3/C1	-

**1.4.4.2 Table 2: Operating element Secustik® without lock-in / Secustik® with lock-in position 45°**

Utilization category	Durability (long-term functional tests)	Mass	Fire resistance	Utilization safety	Corrosion resistance Surface brass (polished/painted) grade 4	Protection effect	Application	Test size
2	3/180	-	0	1	5	0/0	3/C1	-

**1.4.4.3 Table 3: Operating element lockable – 35 (40) Nm**

Utilization category	Durability (long-term functional tests)	Mass	Fire resistance	Utilization safety	Corrosion resistance	Protection effect	Application	Test size
2	3/180	-	0	1	3	1/2	3/C1	-

**1.4.4.4 Table 4: Operating element lockable – 100 Nm**

Utilization category	Durability (long-term functional tests)	Mass	Fire resistance	Utilization safety	Corrosion resistance	Protection effect	Application	Test size
2	3/180	-	0	1	3	2/3	3/C1	-

**1.4.4.5 Table 5: Operating element lockable – 200 Nm**

Utilization category	Durability (long-term functional tests)	Mass	Fire resistance	Utilization safety	Corrosion resistance	Protection effect	Application	Test size
2	3/180	-	0	1	3	3/3	3/C1	-



**1.4.4.6 Table 6: Operating element push-button**

Utilization category	Durability (long-term functional tests)	Mass	Fire resistance	Utilization safety	Corrosion resistance Surface brass (polished/painted) grade 4	Protection effect	Application	Test size
2	3/180	-	0	1	5	1/1	3/C1	-

**1.4.4.7 Table 7: Operating element Tilt-First**

Utilization category	Durability (long-term functional tests)	Mass	Fire resistance	Utilization safety	Corrosion resistance	Protection effect	Application	Test size
2	3/180	-	0	1	3	1/2	3/C1	-

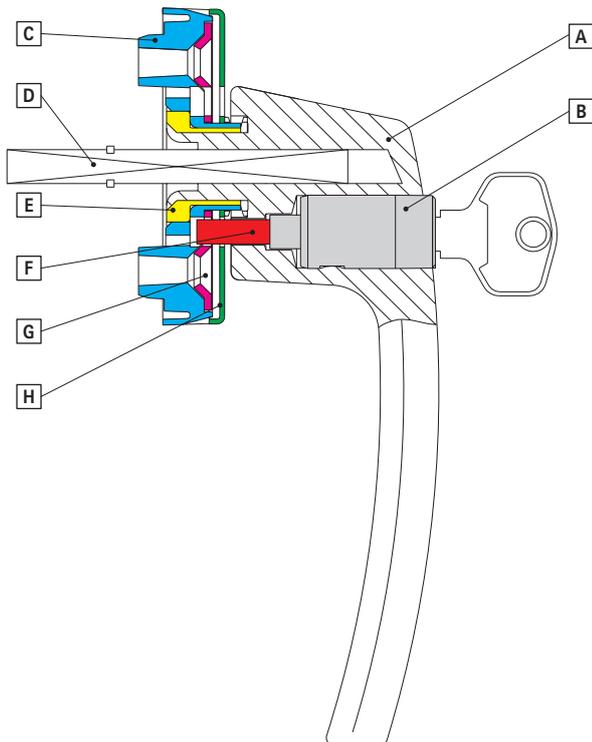


## 1.5 Functionality

### 1.5.1 Lockable window handle

Roto lockable handles 100 Nm – the convenient security grade:

- Lockable window handle tested to a torque of 100 Nm<sup>[3]</sup>: high mechanical security that provides good burglary protection
- Combined with a suitable window element, it meets the requirements of all resistance classes RC 1–6
- Very convenient due to large turn-key and easy to use push cylinder
- Locks the closed or tilted window rapidly and simply “at the push of a button”
- Meets the requirements of the European standard DIN EN 1627–1630 and can therefore be marketed in all EU member states



Assignment	Meaning
[A]	Window handle
[B]	Locking cylinder with turn-key
[C]	Escutcheon-cover body
[D]	Spindle
[E]	Stop-notch bushing
[F]	Locking pin
[G]	Locking plate
[H]	Cover cap

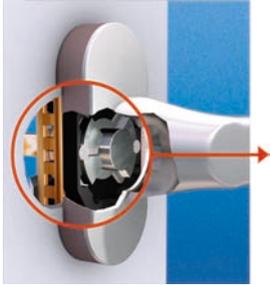
### 1.5.2 Secustik®

Secustik® is a registered trademark of HOPPE Holding AG. Secustik® window handles are equipped with a patented blocking mechanism as part of the integrated basic security. This prevents manipulating the window hardware from the outside. A swivel clutch between the handle and the spindle acts in this case as a “mechanical diode”. It permits normal operation of the window handle from the inside, blocks the handle however if somebody attempts to manipulate the window handle via the hardware from the outside. During the Secustik® handles 180° operation from the

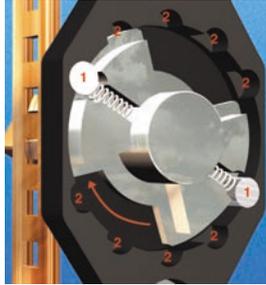
[3] 1 Nm (Newton metre) is the torque which generates a force of 1 N at the pivot point of a lever of 1 m length.

locking mode to the tilting mode, the self-locking blocking mechanism engages into the different handle positions with a distinct click. This click emphasises the outstanding plus in security.

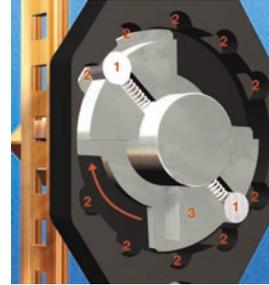
### This is how the Secustik® technology works



Secustik® window handles patented blocking mechanism

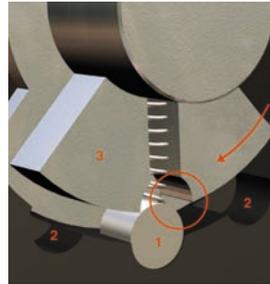


When turning the window handle, the spring-loaded safety pins [1] engage into special recesses in the housing [2] with a distinct click.

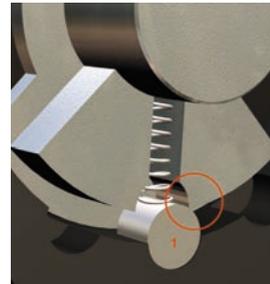


During the turn movement, the safety pins [1] are moved along the swivel clutch [3] into further recesses [2] where they again audibly engage.

### Secustik® technology effectively prevents attempted break-ins



In the case of an attempted break-in, the safety pins [1] are pushed through a second swivel clutch [3] into the housing recesses [2].



In this position, the safety pins [1] effectively prevent turning the window handle from the outside. The window handle blocks and prevents the attempted break-in.



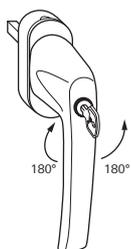
### 1.5.3 Tilt-First

#### Locking and unlocking

The key locks or unlocks the handle. If the handle is unlocked, it can be moved freely.

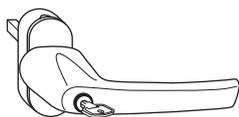
**Lock:** Turn the key 180° counterclockwise.

**Unlock:** Turn the key 180° clockwise.



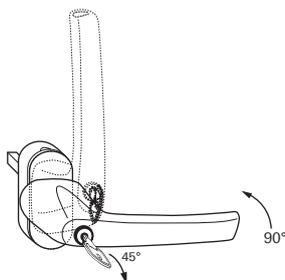
#### Tilt:

Turn the unlocked handle 90° (tilt mode = horizontal), in order to tilt the window. Without the key, the handle cannot be turned and brought into the turn mode (vertical).



#### Turn:

Precondition: The handle is in the tilt mode (horizontal) when the window is closed. Turn the key 45° and hold; simultaneously turn the handle 90° and bring it into the turn mode (vertical). Tilt-First handles should only be operated when the window is closed.



The lockable Roto Tilt-First handle (tilt before turn) locks the window sash in the tilt mode, with the handle in the horizontal position. The lockable handle prevents the possibility of changing from tilting to turning in order to fully open the window. This is only possible after unlocking.

The handle is equipped with a free-running mechanism between the locked position and the tilted position (unlocking the cylinder is not necessary) in order to enable ventilating. A blocking mechanism is located at the limit-stop of 90° tilt position. Continuing to move the handle into the 180° turn position is only possible after unlocking the cylinder.

Furthermore, the handle can be locked in the 0° locked position, thus providing an additional burglar-inhibiting security function. In addition, this innovative handle is equipped with a unique automatic locking function that blocks the opening operation in the 180° turn mode, without locking the cylinder. Important: The Tilt-First (TF) function can only be ensured with Tilt-First hardware or T&T hardware dedicated for this usage.

Each Roto TF window-handle package contains a sticker with information on the Tilt-First function.

## 1.6 Surface finishes

### **Eloxal-process (anodising)**

This method of surface technology produces a protective oxide layer on aluminium by anodic oxidation. By changing the top metal layer, a 5 to 25 micrometer thin oxide layer is created, which protects deeper layers from corrosion provided that there are no gaps in the layer, for example created by mechanical damages.

### **Powder coating**

When powder coating, first an electrically charged powder cloud is created. The charged particles are transported to the workpiece surface. They are deposited there, stick on electrostatically and form the powder paint coating. When the workpiece is heated subsequently, the paint particles of the powder paint form a homogeneous surface.

### **Wet paint**

For this painting process, the liquid coating material is sprayed using compressed air. This creates a soft paint jet with minimal colour mist. The procedure is particularly suited for small and miniscule amounts. The amount of dispensed material can be adjusted very precisely and flexibly depending on the object to be coated and the coating material.

### **Metal-plating**

A sealing coat created galvano-technically for special decorative aesthetics as well as corrosion protection.



## **1.7 Care**

Hardware systems should be treated with maintenance agents recommended by Roto – depending on demand. Contamination with plaster and similar materials must be avoided in every case. Only cleaning agents which do not contain corrosive materials should be used. Do not treat with strong acids and alkaline solutions.

## 1.8 Handle configurator

Finding the perfect handle for each individual decorating style, with just a few clicks. The Roto handle configurator offers this to consulting window fabricators and their customers. The online service has already been extremely successful in the German and English versions and is now available in other languages as well. To immediately display the suitable version on a screen or smart phone, just four specifications must be made. After selecting the required handle series, so for example, the Roto Samba, the available versions (lockable, with push-button etc.), the handle colour and the material of the window frame can be set.

Roto Worldwide Roto Deutschland

Roto Fenster- und Türtechnologie

Unternehmen Produkte Roto Quadro Safe Karriere Presse Service Roto auf der BAU 2015

Roto

Produktfinder

Anwendung: Fenstergriffe

Material: Alle

Produktmarke: Alle

Produktgruppe: Alle

Produktbezeichnung: Alle

Thema: Alle

Gruppieren nach:

- Anwendung
- Material
- Produktmarke
- Produktgruppe

+ Alle anzeigen + JETZT FILTERN

Fenstergriffe

Die kontinuierliche Weiterentwicklung der Fenstergriffe unterstreicht den sukzessiven Wandel vom schlichten Bedienelement zum sichtbaren Highlight am Fenster. Fenstergriffe bilden zusammen mit dem Profilsystem das wichtigste Stilelement eines Fensters. Unsere Griffe bieten Ihnen in Form und Farbe alle Möglichkeiten. Akzente zu setzen – ob in klassischem oder modernem Design. Roto Fenstergriffe gewährleisten RAL-gerechte Spitzentechnik und eine dauerhafte Funktionalität.

» Fenstergriffe

Roto Swing: Die moderne Griffleinie

Roto Line: Die klassische Griffleinie

Roto Samba: Die klassisch moderne Griffleinie

Roto Freestyle: Lösungen für alle Öffnungsarten

Griffkonfigurator

Stellen Sie sich Ihren individuellen Fenstergriff nach Ihren Wünschen zusammen.

Griffleinie: Roto Samba

Ausführung: Standard

Farbe: Natur Silber

Rahmenmaterial: Kunststoff

+ PDF-Download

Impressum Datenschutz Kontakt Sitemap

Diese Seite teilen: Tweet Finden Sie Roto auf: YouTube



The direct way to the handle configurator

With four clicks to your desired design element: The successful Roto handle configurator is currently available in several languages.

**i**

## 1.9 Storage conditions



### **Component protection against dirt and dust**

Always keep the hardware containers closed, and always cover open hardware containers or goods stored open (i.e. with a layer of cardboard).

### **Component protection against mechanical damage**

Only transport and handle the containers using suitable means of transport or conveyance (forklift trucks, lifting devices and roller belts, etc.). Only stack pallets and cardboard boxes (during transport) to the maximum height specified in the printed instructions on the packaging.

### **Component protection against direct humidity and wetness**

The packaging must remain dry and the components must not get wet. This applies to storage and transport, as well as for unloading and loading procedures. Where appropriate, plastic protective sheets or similar are to be used during outdoor transport (i.e. on-site transport) when raining.

Storage may only be carried out in suitable, closed rooms and not outdoors. Condensation must absolutely be avoided during the entire duration of transport and storage.

### **If containers nevertheless get wet...**

Immediately unpack the components from the wet containers, dry the components and check for damage (signs of corrosion). In any case, repack the usable components when dry with new packing material

## 1.10 Environment



### Hardware component environmental compatibility

Our objective is to succeed in manufacturing our hardware components with the lowest possible energy and fuel consumption, and we strive to produce extremely durable hardware components. To achieve this, we conserve natural resources, minimise energy consumption and use raw materials in an environmentally friendly manner.

### Environmental impact resulting from the hardware

The surface quality of our treated surfaces is abrasion-resistant. No environmental pollution is caused by hardware components when used as intended.

### Environmental compatibility of packaging

We use recyclable disposable packaging made of reinforced cardboard, steel/PVC packaging tape, PE sheeting, timber frames, single-use wooden pallets, cable ties, elastomer cord as well as reusable packaging, reusable boxes from Schäfer, pallet crates and EURO wooden pallets.

### Environmental compatibility of disposal

Our hardware is made of materials which enable environmentally friendly material utilisation and can be disposed of as mixed scrap.

### Returning packaging material

Our packaging with the INTERSEROH logo is accepted free of charge by every INTERSEROH disposal partner. The directory of your local disposal partners can be requested nationwide from the telephone exchange of ISD INTERSEROH GmbH in Cologne using the following telephone number: +49 (0) 2203 9147-322. The Roto INTERSEROH number is 25582.



## 1.11 Certifications

### 1.11.1 Environmental management

Roto Frank AG Leinfelden provides proof of environmental awareness in accordance with DIN EN ISO 14001.

Roto takes into consideration the environmental compatibility of products and procedures which conserve resources right from the beginning, during development, design, planning, production and logistics.

The certification underlines the environmental awareness at Roto:

- Roto monitors health and safety at the workplace, accident prevention and plant safety as its fundamental goal when it comes to occupational safety.
- Roto views environmental protection as an integral part of all its business activities and decisions. The company is shaped by its environmentally conscious behaviour, the environmental compatibility of its products and procedures, as well as the preservation of existing resources.
- The long service life of Roto products also contributes to the preservation of existing resources.



### 1.11.2 Quality management

The certification in accordance with the international standard DIN EN ISO 9001 certifies that Roto plans, documents and appropriately implements the entire development, production and sales process systematically. Starting with development and design through to quality planning, production and assembly right through to sales and customer service.

The certification is an external indication of the quality awareness practised at Roto:

- Roto's objective is to ensure continuous product and service improvements for the benefit of its customers.
- Roto offers its customers innovative, environmentally friendly and technically sophisticated architectural hardware technology.
- Roto products are supplied punctually worldwide with constant guaranteed quality.
- Roto's comprehensive view regards all business activities – including all the activities within the company – to be the key to achieving long-term corporate success.
- Roto employees are supported in their personal development and fulfil Roto's high quality requirements in their day-to-day work. Their work is performance and goal-oriented.

**ZERTIFIKAT**

Hiermit wird bescheinigt, dass

 **Roto Frank AG**  
Wilhelm-Frank-Platz 1  
70771 Leinfelden-Echterdingen  
Deutschland  
mit den im Anhang gelisteten Standorten

ein **Qualitätsmanagementsystem** eingeführt hat und anwendet.

Geltungsbereich:  
Entwicklung/Konstruktion, Herstellung und Vertrieb von Fenster- und Türtechnologie

Durch ein Audit, dokumentiert in einem Bericht, wurde der Nachweis erbracht, dass das Managementsystem die Forderungen des folgenden Regelwerks erfüllt:

**ISO 9001 : 2008**

Zertifikat-Registrier-Nr. 059808 QM08  
Gültig ab 2016-02-28  
Gültig bis 2018-09-14  
Zertifizierungsdatum 2016-02-24

 **DAkkS**  
Deutsche  
Akkreditierungsstelle  
D-ZM-16074-01-00

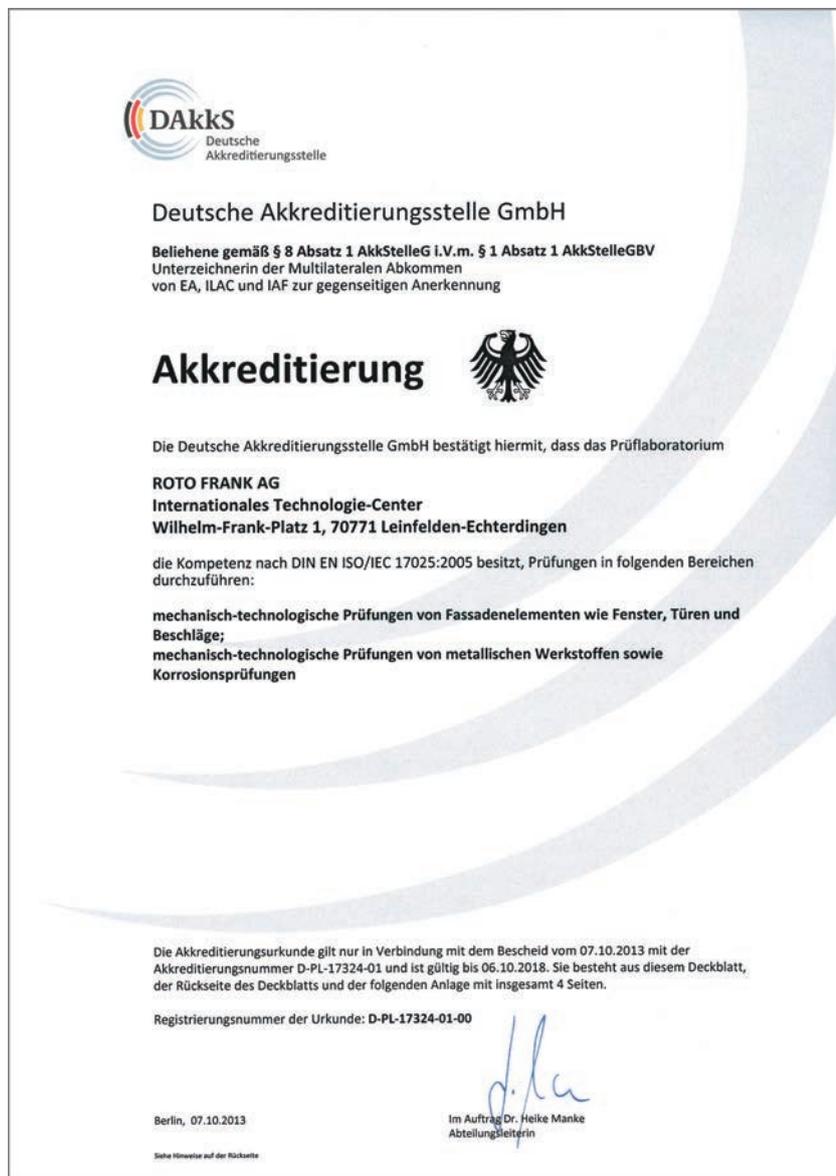
**DQS GmbH**  
  
Götz Blechschmidt  
Geschäftsführer

Akkreditierte Stelle: DQS GmbH, August-Schanz-Straße 21, 60433 Frankfurt am Main

1 / 3

### 1.11.3 International Technology Centre (ITC)

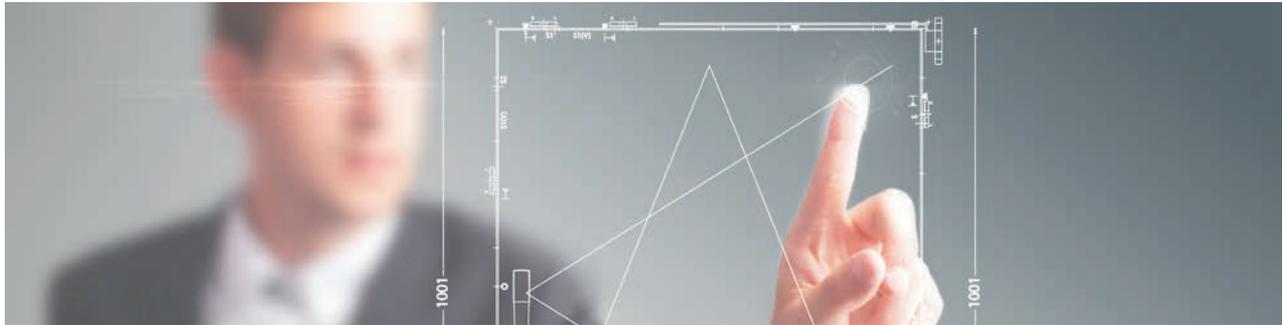
The Roto Group has owned a modern International Technology Centre (ITC) at its Leinfeldern headquarters since October 1996. This facility is available for both our own material and product testing as well as for inspecting finished products made by Roto market partners.



The ITC is accredited in accordance with DIN EN ISO/IEC 17025 and has the expertise required to perform tests in areas including mechanical technological testing of facade elements such as windows, doors and hardware, as well as metallic materials.

Achieving accreditation in accordance with DIN EN ISO/IEC 17025 represents the highest distinction for a test institute in the private industry. The requirements for this are an extensive quality management system, trained personnel, high-quality test rigs and measuring equipment, as well as continuous external monitoring by the accreditation authorities.

## 1.12 Roto Con Orders

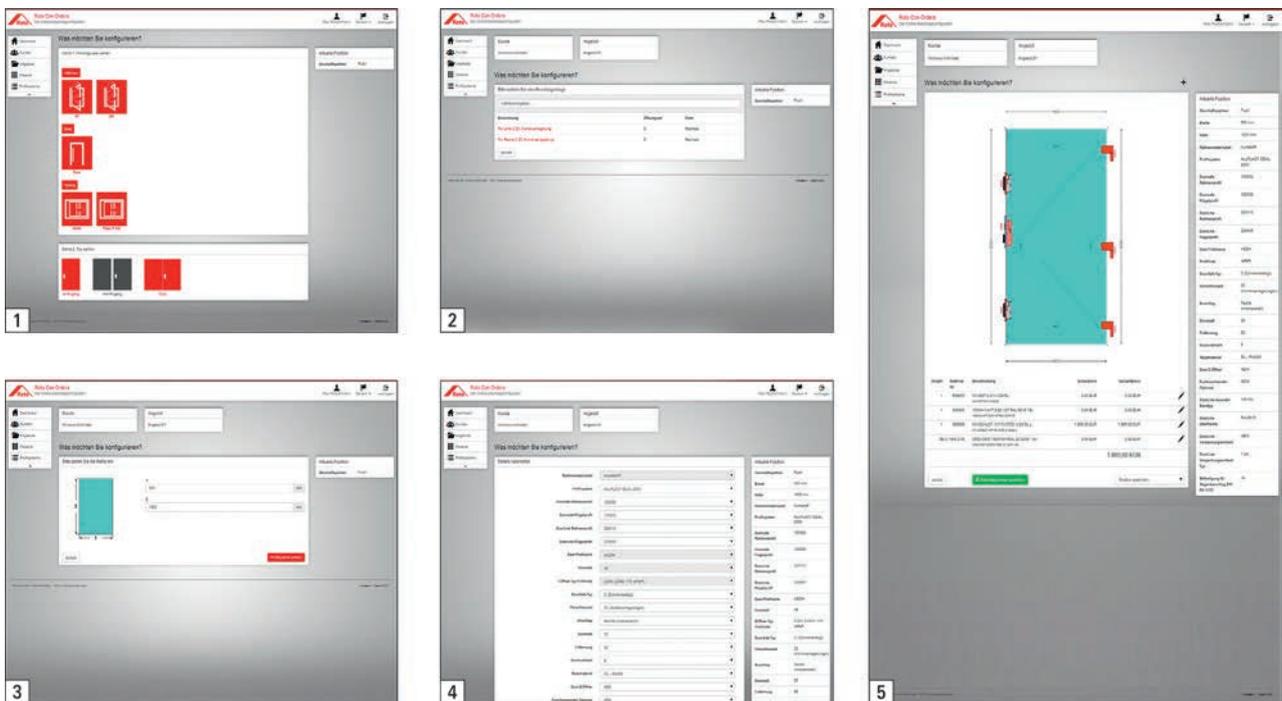


### Just four steps for a finished parts list

Roto Con Orders is the perfect solution for window and door manufacturers, and for dealers. This is because with the high-performance online hardware configurator, an individual configuration of window and door hardware can be generated very easily and in an extremely short time – for all common shapes and opening types. Just a few mouse clicks and a couple of numeric entries, and the individual parts list including a technical illustration of the hardware itemisation is finished. The list can be changed, adjusted or personalised as desired. It can be exported in various data formats, enabling it to be used for individual offers or orders. Benefit from this efficient Roto online tool, save time during configuration, management and ordering with Roto Con Orders.

### Hardware configuration has never been this easy

With intuitive menu guidance, you generate an optimum parts list in just four steps:



1. Selection of the product group
2. Selection of the design template
3. Entry of sizes
4. Individual detailed settings and adjustments
5. **Result:** Output of a detailed data sheet with a technical illustration and a complete parts list with editable order numbers, descriptions and individual and total prices.



### Intelligent additional functions simplify your processes



Roto Con Orders makes it easy for you to simplify and accelerate your processes. A large number of useful functions are available to help you do this:

- Store your own company addresses and logos in the header of your offers
- Create and manage customer-specific projects
- Generate individual customer hardware templates
- Integrate a discount structure system
- Material master management
- Due to its responsive design, it can be used on all devices such as PCs, tablets, and smartphones

### Get started straight away thanks to web-based solution

Roto Con Orders is a web-based solution that you can access around the world and around the clock. You only require a computer with a web browser and Internet access for this purpose. To work with the online hardware configurator, please register once with your e-mail address in the portal for dealers and manufacturers at:



[www.roto-frank.com](http://www.roto-frank.com)

## 1.13 Additional media



### 1.13.1 Videos

Installation videos relating to each product group can be found in the “Service” area of the Roto Window and Door Technology website:

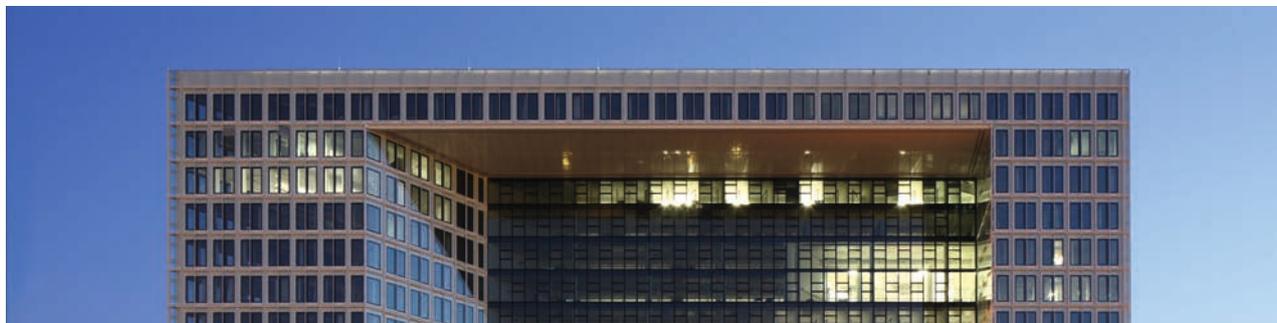


[www.roto-frank.com](http://www.roto-frank.com)



## 1.14 Further Roto products

### 1.14.1 Roto Tilt&Turn



Roto NT is a high-quality, thoroughly tried and tested hardware system for PVC/timber windows and doors that meets the highest requirements in terms of security, ease of operation, durability and design.

Today, almost any project is feasible with Roto hardware technology for aluminium windows and doors – in a short time, produced to outstanding quality and under favourable terms. For inward opening and outward opening windows.

#### Roto Tilt&Turn – PVC/timber windows and balcony doors



##### Roto NT

The world's biggest selling Tilt&Turn hardware system for windows and balcony doors



##### Roto NT Designo

Concealed hinge solution for windows and balcony doors with high sash weights up to 150 kg



##### Roto NT Power Hinge

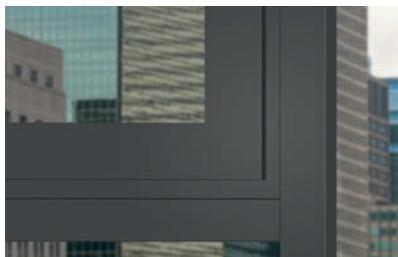
Aesthetic hinge solution for heavy, room-height windows and balcony doors

#### Roto Tilt&Turn – Aluminium windows and balcony doors



##### Roto AL

Universal hardware for aluminium windows and balcony doors



##### Roto AL Designo

Concealed hardware for aesthetic aluminium windows and balcony doors

## Roto Outward Opening – Outward opening windows



### **Roto FS Kempton**

Stainless-steel friction stays for outward opening windows



## 1.14.2 Roto Sliding



Roto offers comprehensive hardware solutions for an extremely broad range of sliding doors.

### Roto Patio – High-quality sliding windows and doors



#### Roto Patio Fold

Premium hardware for Fold&Slide systems with a large surface



#### Roto Patio Life

Comfort hardware for large sliding doors



#### Roto Patio Lift

Standard hardware for large Lift&Slide doors



#### Roto Patio Alversa

Universal hardware for minimum effort in Parallel Sliding and Tilt&Slide systems



#### Roto Patio Inowa

Intelligent hardware for tightly sealed sliding systems

### Roto Inline – Simple sliding windows and doors



#### Roto Inline

Hardware systems for simple sliding windows and doors

### 1.14.3 Roto Door



Millions of items of Roto hardware have enabled windows and doors all over the world to work correctly and move as intended. With Roto Door, we concentrate on the development and production of door technology that meets modern requirements in terms of security and convenience.

#### Roto Safe – Multi-point locking systems



##### Roto Safe H

Mechanical multi-point locking systems for lever-handle operated doors



##### Roto Safe C

Mechanical multi-point locking systems for cylinder-operated doors



##### Roto Safe E

Electromechanical multi-point locking systems for doors

#### Roto Solid – Hinges



##### Roto Solid S

Surface-mounted hinges for doors

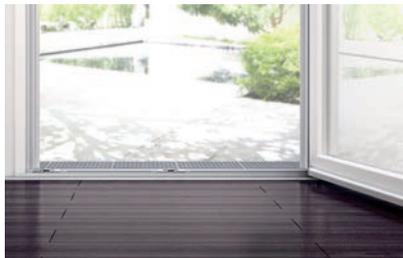


##### Roto Solid B

Butt hinges for doors



## Roto Eifel – Thresholds



### **Roto Eifel**

Tailor-made range of thresholds for tight shutting and barrier free doors and balcony doors

## 1.15 Imprint

### **Roto Frank AG**

Window and Door Technology  
Wilhelm-Frank-Platz 1  
70771 Leinfelden-Echterdingen  
Germany  
Telephon +49 (0) 711 7598 0  
Fax +49 (0) 711 7598 253  
info@roto-frank.com  
www.roto-frank.com



## Roto Swing







**Roto NT**

Window handles – Standard	49
Window handles – Security	53
Balcony door handles	65

**Roto Patio Alversa**

Handles for Parallel Sliding and Tilt&Slide systems – Standard	67
Handles for Parallel Sliding and Tilt&Slide systems – Security	68

**Roto Patio Life**

Sliding door handles – Standard	69
Sliding door handles – Security	70
Sliding door handles – Half set – Outside	71
Sliding door handles – Accessories	72

## 2 Roto Swing

**Roto Swing is a convincing exclusive and individual design feature.**



The continuous further development of window handles emphasises the successive development from a simple operation mechanism to a visible highlight on the window.

Besides great ease of use, durable quality and functionality, the focus is also on its unusual shape.

The curved design stands for the special "swing" - elegant and at the same time ergonomically advantageous.

Meaning of the pictograms:

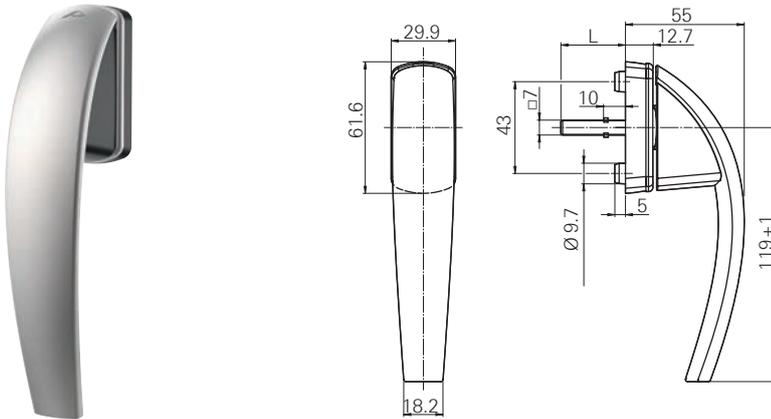
									
Spindle length (in mm)	Colour code (Roto colour designation)	Colour	Design element   Cover   Escutcheon cover	Surface-finish (with respect to handle lever)	Roto logo	Number of screws	Type of screws (diameter x length)	Packaging quantity (in pieces)	Material number



## 2.1 Roto NT

### 2.1.1 Window handles – Standard

#### 2.1.1.1 Standard

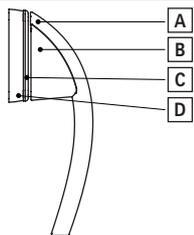


#### Product description

- Basic handle without additional functions
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- 2 fixing screws



[A]	Handle lever	/
[B]	Design element	i
[C]	Cover	i
[D]	Escutcheon cover	i

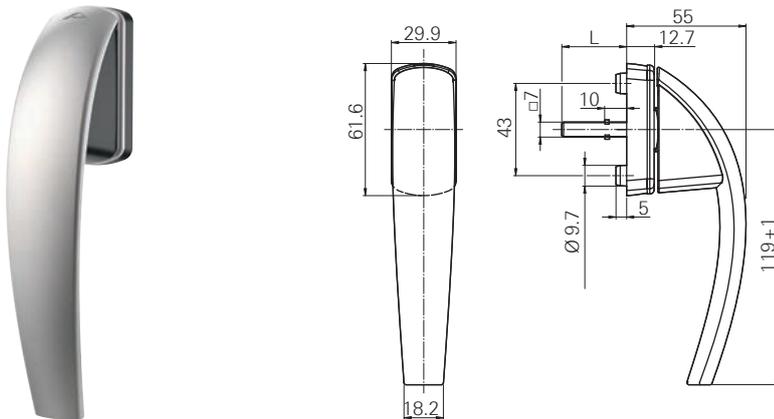
32	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X40	15 Piece(s)	641112	
			[B] black, [C] silver grey, [D] black	Anodised	Y	2	M5X40	15 Piece(s)	641113	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X40	15 Piece(s)	641114	
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X40	15 Piece(s)	641115	

**Roto Swing**  
**Roto NT**  
Window handles – Standard

									
37	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X45	15 Piece(s)	641117
			[B] black, [C] silver grey, [D] black	Anodised	Y	2	M5X45	15 Piece(s)	641118
	R01.2	Nickel silver	[B] beige, [C] beige, [D] beige	Anodised	Y	2	M5X45	15 Piece(s)	641119
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X45	15 Piece(s)	641120
	R03.1	Brass, matt	[B] Pantone 468C, [C] gold, [D] Pantone 468C	Anodised	Y	2	M5X45	15 Piece(s)	641121
	R04.4	Black brown	[B] brown, [C] brown, [D] brown	Powder	Y	2	M5X45	15 Piece(s)	641122
	R05.3	Medium bronze	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X45	15 Piece(s)	641123
	R05.5	Bronze	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X45	15 Piece(s)	641124
			[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X45	15 Piece(s)	641125
R07.2	Traffic white	[B] F7503, [C] traffic white, [D] traffic white	Powder	Y	2	M5X45	15 Piece(s)	641126	
		43	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X50
[B] black, [C] silver grey, [D] black	Anodised				Y	2	M5X50	15 Piece(s)	641128
R01.2	Nickel silver		[B] beige, [C] beige, [D] beige	Anodised	Y	2	M5X50	15 Piece(s)	641129
R01.3	Titanium		[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X50	15 Piece(s)	641130
R04.4	Black brown		[B] brown, [C] brown, [D] brown	Powder	Y	2	M5X50	15 Piece(s)	641132
R05.3	Medium bronze		[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X50	15 Piece(s)	641133
R07.2	Traffic white		[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X50	15 Piece(s)	641135



### 2.1.1.2 Standard window handles for night ventilation



#### Product description

- Basic handle without additional functions
- Lock-in position 90°, lock-in position 45° for night ventilation
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- 2 fixing screws

	[A]	Handle lever	✓
	[B]	Design element	i
	[C]	Cover	i
	[D]	Escutcheon cover	i

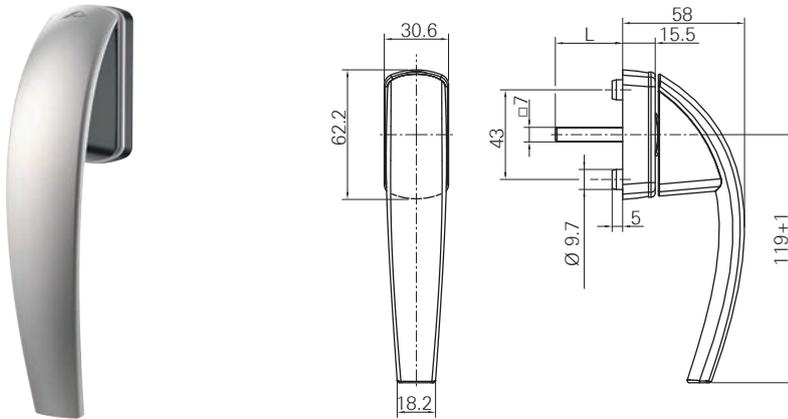
32	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X45	20 Piece(s)	613997	
	R01.2	Nickel silver	[B] beige, [C] beige, [D] beige	Anodised	Y	2	M5X45	20 Piece(s)	613998	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X45	20 Piece(s)	613999	
	R03.1	Brass, matt	[B] Pantone 468C, [C] gold, [D] Pantone 468C	Anodised	Y	2	M5X45	20 Piece(s)	614000	
	R05.3	Medium bronze	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X45	20 Piece(s)	613859	
	R05.5	Bronze	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X45	20 Piece(s)	614001	
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X45	20 Piece(s)	614002	

										
37	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X45	20 Piece(s)	607855	
	R01.2	Nickel silver	[B] beige, [C] beige, [D] beige	Anodised	Y	2	M5X45	20 Piece(s)	615684	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X45	20 Piece(s)	607854	
	R03.1	Brass, matt	[B] Pantone 468C, [C] gold, [D] Pantone 468C	Anodised	Y	2	M5X45	20 Piece(s)	615685	
	R04.4	Black brown	[B] brown, [C] brown, [D] brown	Powder	Y	2	M5X45	20 Piece(s)	615686	
	R05.3	Medium bronze	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X45	20 Piece(s)	613862	
	R05.5	Bronze	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X45	20 Piece(s)	615687	
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X45	20 Piece(s)	607853	
43	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X50	20 Piece(s)	607856	
	R01.2	Nickel silver	[B] beige, [C] beige, [D] beige	Anodised	Y	2	M5X50	20 Piece(s)	632254	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X50	20 Piece(s)	607858	
	R03.1	Brass, matt	[B] Pantone 468C, [C] gold, [D] Pantone 468C	Anodised	Y	2	M5X50	20 Piece(s)	632280	
	R04.4	Black brown	[B] brown, [C] brown, [D] brown	Powder	Y	2	M5X50	20 Piece(s)	632281	
	R05.3	Medium bronze	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X50	20 Piece(s)	632282	
	R05.5	Bronze	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X50	20 Piece(s)	632283	
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X50	20 Piece(s)	607857	



## 2.1.2 Window handles – Security

### 2.1.2.1 Secustik® window handles



#### Product description

- Handle with automatic locking
- Security against manipulation from outside
- Patented blocking mechanism is part of the integrated basic security
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 20*

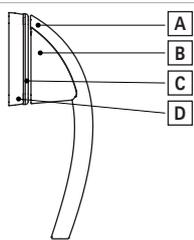
#### Scope of delivery

- 1 window handle
- 2 fixing screws



#### INFO

Further information → *from page 24*



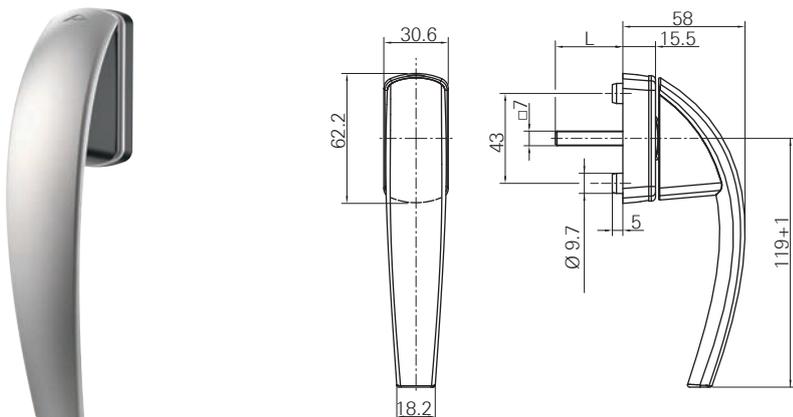
[A]	Handle lever	/
[B]	Design element	i
[C]	Cover	i
[D]	Escutcheon cover	i

32	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X40	15 Piece(s)	641082	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X40	15 Piece(s)	641084	
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X40	15 Piece(s)	641095	

										
37	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X50	15 Piece(s)	641096	
			[B] black, [C] silver grey, [D] black	Anodised	Y	2	M5X50	15 Piece(s)	641097	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X50	15 Piece(s)	641098	
	R03.1	Brass, matt	[B] Pantone 468C, [C] gold   Pantone 468C	Anodised	Y	2	M5X50	15 Piece(s)	641099	
	R04.4	Black brown	[B] brown, [C] brown, [D] brown	Powder	Y	2	M5X50	15 Piece(s)	641100	
	R05.3	Medium bronze	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X50	15 Piece(s)	641101	
	R05.5	Bronze	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X50	15 Piece(s)	641102	
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X50	15 Piece(s)	641103	
43	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X55	15 Piece(s)	641104	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X55	15 Piece(s)	641106	
	R03.1	Brass, matt	[B] Pantone 468C, [C] gold, [D] Pantone 468C	Anodised	Y	2	M5X55	15 Piece(s)	641107	
	R04.4	Black brown	[B] brown, [C] brown, [D] brown	Powder	Y	2	M5X55	15 Piece(s)	641108	
	R05.3	Medium bronze	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X55	15 Piece(s)	641109	
	R05.5	Bronze	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X55	15 Piece(s)	641110	
	R01.1	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X55	15 Piece(s)	641111	



### 2.1.2.2 Secustik® window handles for night ventilation



#### Product description

- Handle with automatic locking
- Security against manipulation from outside
- Patented blocking mechanism is part of the integrated basic security
- Lock-in position 90°, lock-in position 45° for night ventilation
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 20*

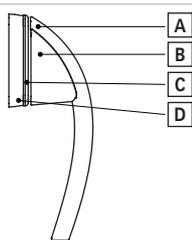
#### Scope of delivery

- 1 window handle
- 2 fixing screws



#### INFO

Further information → *from page 24*



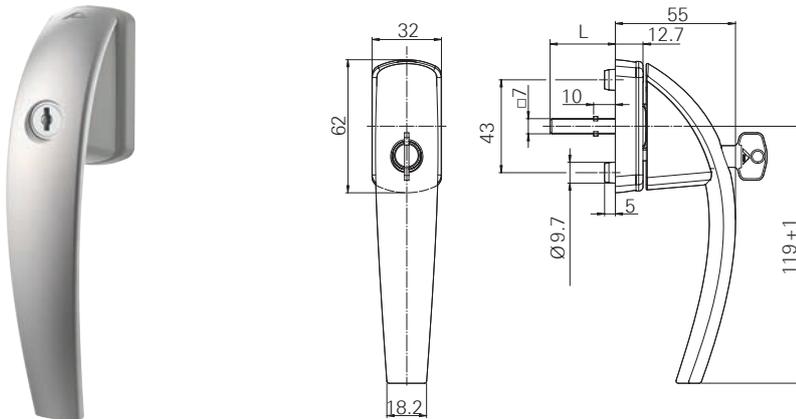
[A]	Handle lever	/
[B]	Design element	i
[C]	Cover	i
[D]	Escutcheon cover	i

32	Silver	R01.1	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X40	20 Piece(s)	613830	
	Titanium	R01.3	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X40	20 Piece(s)	613832	
	Medium bronze	R05.3	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X40	20 Piece(s)	613856	
	Bronze	R05.5	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X40	20 Piece(s)	613834	
	Traffic white	R07.2	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X40	20 Piece(s)	613855	

									
37	Silver	R01.1	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X50	20 Piece(s)	613580
	Nickel silver	R01.2	[B] beige, [C] beige, [D] beige	Anodised	Y	2	M5X50	20 Piece(s)	613823
	Titanium	R01.3	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X50	20 Piece(s)	613581
	Brass, matt	R03.1	[B] Pantone 468C, [C] gold, [D] Pantone 468C	Anodised	Y	2	M5X50	20 Piece(s)	613824
	Black brown	R04.4	[B] brown, [C] brown, [D] brown	Powder	Y	2	M5X50	20 Piece(s)	613835
	Medium bronze	R05.3	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X50	20 Piece(s)	613861
	Bronze	R05.5	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X50	20 Piece(s)	613836
	Traffic white	R07.2	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X50	20 Piece(s)	613582
43	Silver	R01.1	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X55	20 Piece(s)	632004
	Nickel silver	R01.2	[B] beige, [C] beige, [D] beige	Anodised	Y	2	M5X55	20 Piece(s)	632035
	Titanium	R01.3	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X55	20 Piece(s)	632037
	Brass, matt	R03.1	[B] Pantone 468C, [C] gold, [D] Pantone 468C	Anodised	Y	2	M5X55	20 Piece(s)	632038
	Black brown	R04.4	[B] brown, [C] brown, [D] brown	Powder	Y	2	M5X55	20 Piece(s)	632040
	Medium bronze	R05.3	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X55	20 Piece(s)	632042
	Bronze	R05.5	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X55	20 Piece(s)	632043
	Traffic white	R07.2	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X55	20 Piece(s)	632044



### 2.1.2.3 Window handles, lockable, 40 Nm

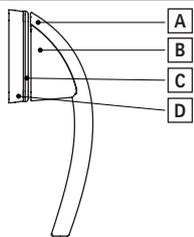


#### Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- Locking: Push cylinder with turn-key
- Equipped for locking and unlocking
- Operable if handle is unlocked
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 20*

#### Scope of delivery

- 1 window handle
- 1 key
- 2 fixing screws



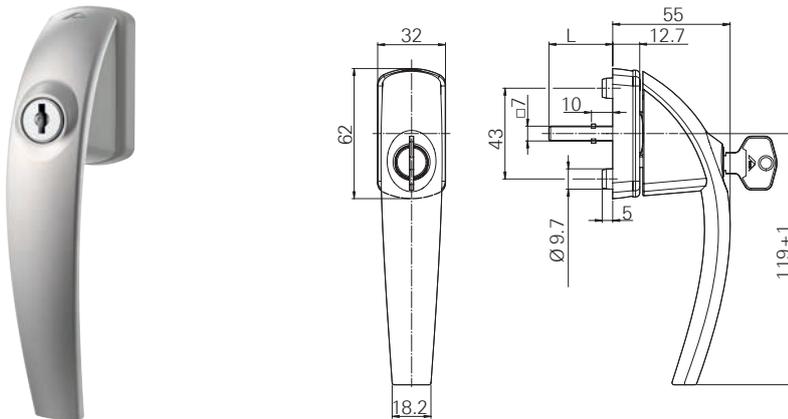
[A]	Handle lever	/
[B]	Design element	i
[C]	Cover	i
[D]	Escutcheon cover	i

32	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X40	15 Piece(s)	632284	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X40	15 Piece(s)	632286	
	R05.5	Bronze	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X40	15 Piece(s)	632289	
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X40	15 Piece(s)	632290	

									
37	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X45	15 Piece(s)	632291
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X45	15 Piece(s)	632292
	R04.4	Black brown	[B] brown, [C] brown, [D] brown	Powder	Y	2	M5X45	15 Piece(s)	632294
	R05.3	Medium bronze	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X45	15 Piece(s)	613860
	R05.5	Bronze	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X45	15 Piece(s)	632295
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X45	15 Piece(s)	632296
43	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X50	15 Piece(s)	632297
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X50	15 Piece(s)	632298
	R04.4	Black brown	[B] brown, [C] brown, [D] brown	Powder	Y	2	M5X50	15 Piece(s)	632300
	R05.3	Medium bronze	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X50	15 Piece(s)	632301
	R05.5	Bronze	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X50	15 Piece(s)	632302
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X50	15 Piece(s)	632303



### 2.1.2.4 Window handles, lockable, 100 Nm



#### INFO

Further information → *from page 24*

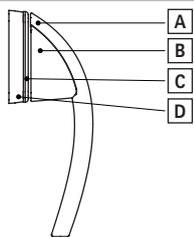


#### Product description

- Lockable handle with tested torque of 100 Nm
- Locking: Push cylinder with turn-key
- Simple and quick locking by pushing down the cylinder
- It meets the requirements of DIN EN 1627-1630, RC1 – RC6
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 20*

#### Scope of delivery

- 1 window handle
- 1 key
- 2 fixing screws



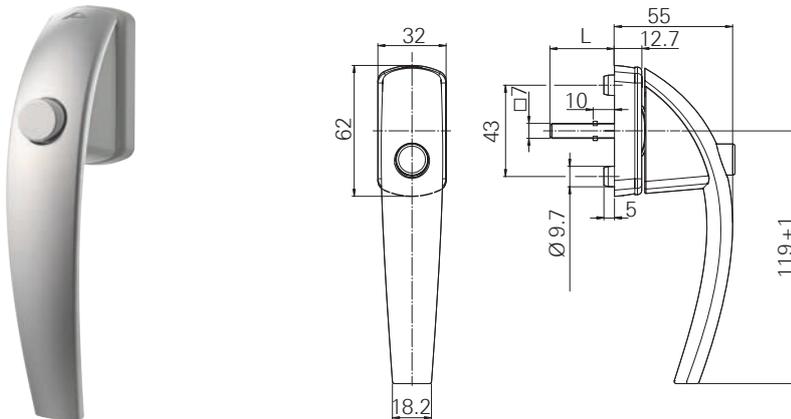
[A]	Handle lever	✓
[B]	Design element	i
[C]	Cover	i
[D]	Escutcheon cover	i

32	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X40	15 Piece(s)	632304
	R01.2	Nickel silver	[B] beige, [C] beige, [D] beige	Anodised	Y	2	M5X40	15 Piece(s)	632305
	R05.3	Medium bronze	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X40	15 Piece(s)	632308
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X40	15 Piece(s)	632310

									
37	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X45	15 Piece(s)	632311
	R01.2	Nickel silver	[B] beige, [C] beige, [D] beige	Anodised	Y	2	M5X45	15 Piece(s)	632312
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X45	15 Piece(s)	632313
	R04.4	Black brown	[B] brown, [C] brown, [D] brown	Powder	Y	2	M5X45	15 Piece(s)	632315
	R05.3	Medium bronze	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X45	15 Piece(s)	632316
	R05.5	Bronze	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X45	15 Piece(s)	632317
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X45	15 Piece(s)	632318
43	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X50	15 Piece(s)	632319
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X50	15 Piece(s)	632321
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X50	15 Piece(s)	632326



### 2.1.2.5 Window handle with push-button



#### Product description

- Window handle with push-button
- Push-button function enables locking and unlocking
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 20*

#### Scope of delivery

- 1 window handle
- 2 fixing screws

	[A]	Handle lever	/
	[B]	Design element	i
	[C]	Cover	i
	[D]	Escutcheon cover	i

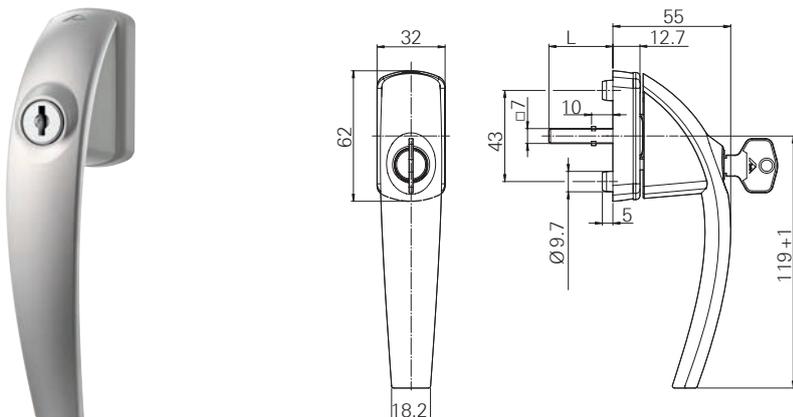
32	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X40	15 Piece(s)	641079	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X40	15 Piece(s)	641080	
37	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X45	15 Piece(s)	632330	
	R01.2	Nickel silver	[B] beige, [C] beige, [D] beige	Anodised	Y	2	M5X45	15 Piece(s)	632331	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X45	15 Piece(s)	632332	
	R05.3	Medium bronze	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X45	15 Piece(s)	632335	
	R05.5	Bronze	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X45	15 Piece(s)	632336	
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X45	15 Piece(s)	632337	



										
43	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X50	15 Piece(s)	632338	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X50	15 Piece(s)	632340	
	R05.3	Medium bronze	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X50	15 Piece(s)	632343	
	R05.5	Bronze	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X50	15 Piece(s)	632344	
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X50	15 Piece(s)	632345	



### 2.1.2.6 Window handles Tilt-First, lockable, 40 Nm



#### Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- For Tilt-First window operation (tilt before turn)
- Locking: Push cylinder with turn-key
- Lockable in 0-degree and 90-degree position
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 20*

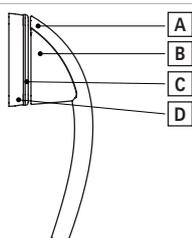
#### Scope of delivery

- 1 window handle
- 1 key
- 2 fixing screws



#### INFO

Further information → *from page 26*



[A]	Handle lever	
[B]	Design element	
[C]	Cover	
[D]	Escutcheon cover	

37	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X45	15 Piece(s)	641137
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X45	15 Piece(s)	641138
	R05.5	Bronze	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X45	15 Piece(s)	641141
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X45	15 Piece(s)	641142

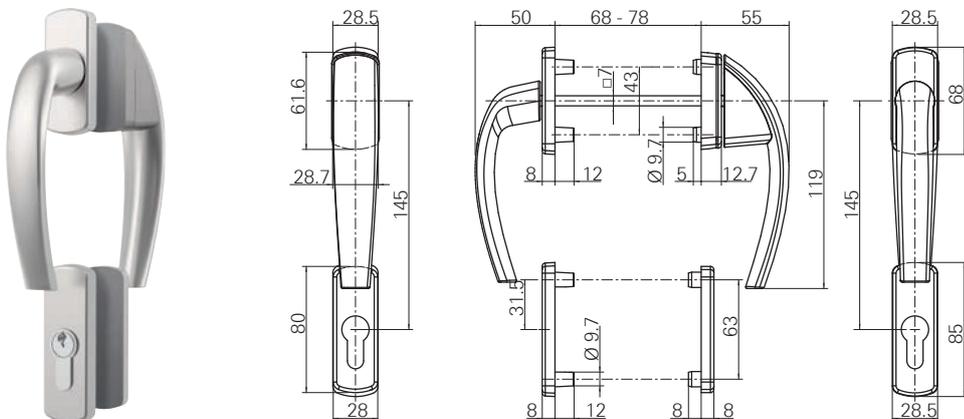


										
43	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	2	M5X50	15 Piece(s)	641143	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	2	M5X50	15 Piece(s)	641144	
	R04.4	Black brown	[B] brown, [C] brown, [D] brown	Powder	Y	2	M5X50	15 Piece(s)	641146	
	R05.3	Medium bronze	[B] Pantone 462C, [C] medium bronze, [D] Pantone 462C	Anodised	Y	2	M5X50	15 Piece(s)	641147	
	R05.5	Bronze	[B] Pantone 462C, [C] bronze, [D] Pantone 462C	Anodised	Y	2	M5X50	15 Piece(s)	641148	
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	2	M5X50	15 Piece(s)	641149	



## 2.1.3 Balcony door handles

### 2.1.3.1 Sets – Outside and inside escutcheon cover with handle



#### Product description

- Handle set with escutcheon-cover version
- Outside handle fix connected without engaging mechanism (lock-in)
- Inside standard handle with profile cylinder escutcheon cover
- Concealed screw connection
- Lock-in position 90°
- 10-year functional warranty

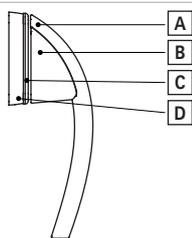
#### Scope of delivery

- 2 handles
- 2 escutcheon covers
- 4 fixing screws



#### INFO

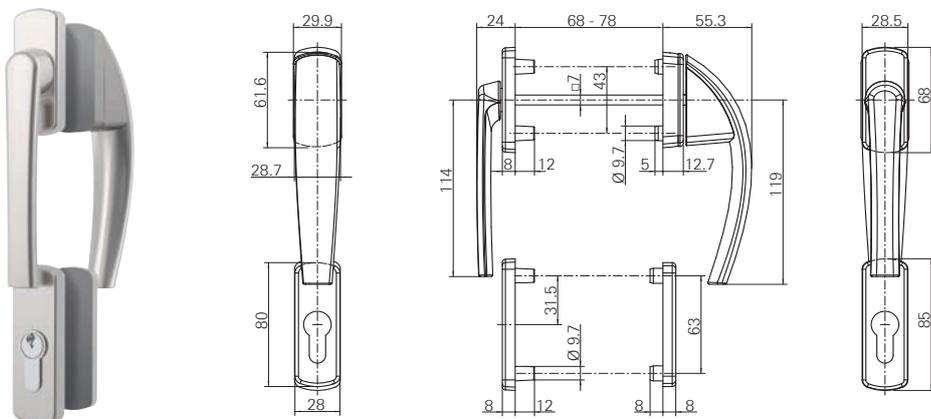
Profile cylinder not included in delivery scope. For the use with aluminium profiles, a flush-encased gearbox is required.



[A]	Handle lever	/
[B]	Design element	i
[C]	Cover	i
[D]	Escutcheon cover	i

100	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	4	M5X100	1 Piece(s)	607332	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	4	M5X100	1 Piece(s)	607333	
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	4	M5X100	1 Piece(s)	607331	
127	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	4	M5X110	1 Piece(s)	606786	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	4	M5X110	1 Piece(s)	606787	
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	4	M5X110	1 Piece(s)	606785	

**2.1.3.2 Sets – Outside escutcheon cover with flat handle and inside escutcheon cover with handle**



**Product description**

- Handle set with escutcheon-cover version
- Outside handle fix connected
- Outside short-necked handle with profile cylinder escutcheon cover
- Escutcheon cover for outside handle
- Inside standard handle with profile cylinder escutcheon cover
- Concealed screw connection
- Lock-in position 90°
- 10-year functional warranty

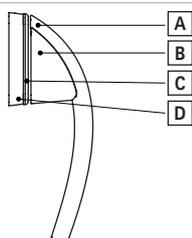
**Scope of delivery**

- 2 balcony door handles
- 2 profile cylinder escutcheon covers
- 4 fixing screws, can be shortened



**INFO**

Profile cylinder not included in delivery scope.



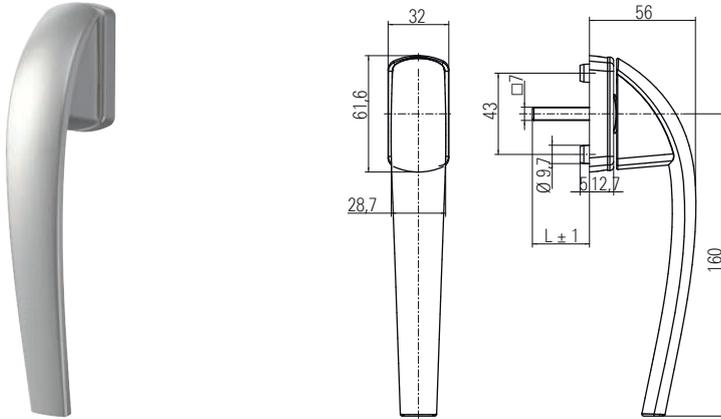
[A]	Handle lever	✓
[B]	Design element	i
[C]	Cover	i
[D]	Escutcheon cover	i

100	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	4	M5X100	1 Piece(s)	607335	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	4	M5X100	1 Piece(s)	607336	
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	4	M5X100	1 Piece(s)	607334	
127	R01.1	Silver	[B] silver grey, [C] silver grey, [D] silver grey	Anodised	Y	4	M5X110	1 Piece(s)	606789	
	R01.3	Titanium	[B] grey, [C] grey, [D] grey	Anodised	Y	4	M5X110	1 Piece(s)	606790	
	R07.2	Traffic white	[B] traffic white, [C] traffic white, [D] traffic white	Powder	Y	4	M5X110	1 Piece(s)	606788	



## 2.2 Roto Patio Alversa

### 2.2.1 Handles for Parallel Sliding and Tilt&Slide systems – Standard



#### Product description

- Basic handle without additional functions
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

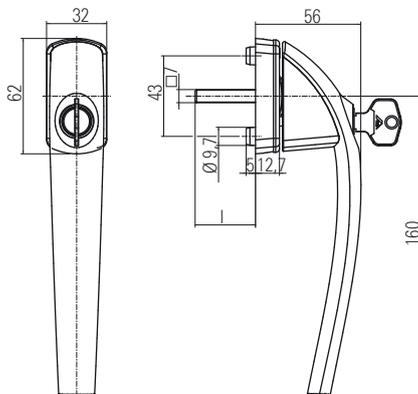
#### Scope of delivery

- 1 window handle
- Without fixing screws

35	R01.1	Silver	Anodised	Y	-	-	15 Piece(s)	619714	
	R05.3	Medium bronze	Anodised	Y	-	-	15 Piece(s)	619725	
	R07.2	Traffic white	Powder	Y	-	-	15 Piece(s)	619726	
40	R01.1	Silver	Anodised	Y	-	-	15 Piece(s)	619727	
	R05.3	Medium bronze	Anodised	Y	-	-	15 Piece(s)	619728	
	R07.2	Traffic white	Powder	Y	-	-	15 Piece(s)	619729	
43	R01.1	Silver	Anodised	Y	-	-	15 Piece(s)	619730	
	R01.3	Titanium	Anodised	Y	-	-	15 Piece(s)	729278	
	R05.3	Medium bronze	Anodised	Y	-	-	15 Piece(s)	619731	
	R07.2	Traffic white	Powder	Y	-	-	15 Piece(s)	619732	

## 2.2.2 Handles for Parallel Sliding and Tilt&Slide systems – Security

### 2.2.2.1 Lockable 100 Nm



#### Product description

- Lockable handle with tested torque of 100 Nm
- Locking: Push cylinder with turn-key
- Simple and quick locking by pushing down the cylinder
- It meets the requirements of DIN EN 1627-1630, RC1 – RC6
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

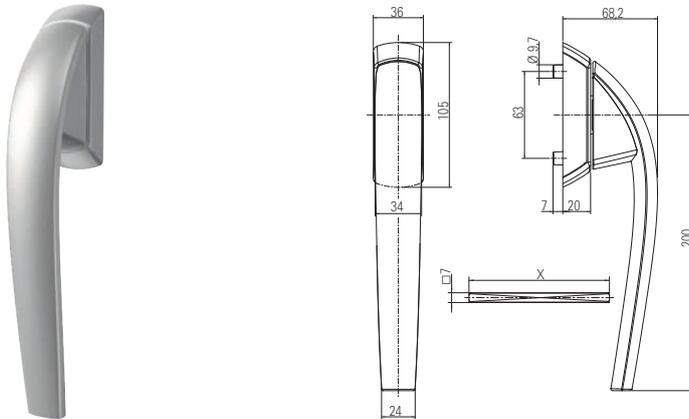
- 1 window handle
- 1 key
- Without fixing screws

									<b>Nº</b>
35	R01.1	Silver	Anodised	Y	-	-	15 Piece(s)	619733	
	R05.3	Medium bronze	Anodised	Y	-	-	15 Piece(s)	619734	
	R07.2	Traffic white	Powder	Y	-	-	15 Piece(s)	619735	
40	R01.1	Silver	Anodised	Y	-	-	15 Piece(s)	619736	
	R05.3	Medium bronze	Anodised	Y	-	-	15 Piece(s)	619737	
	R07.2	Traffic white	Powder	Y	-	-	15 Piece(s)	619738	
43	R01.1	Silver	Anodised	Y	-	-	15 Piece(s)	619739	
	R05.3	Medium bronze	Anodised	Y	-	-	15 Piece(s)	619740	
	R07.2	Traffic white	Powder	Y	-	-	15 Piece(s)	619741	



## 2.3 Roto Patio Life

### 2.3.1 Sliding door handles – Standard



#### Product description

- Basic handle without additional functions
- Lock-in position 90°
- 10-year functional warranty

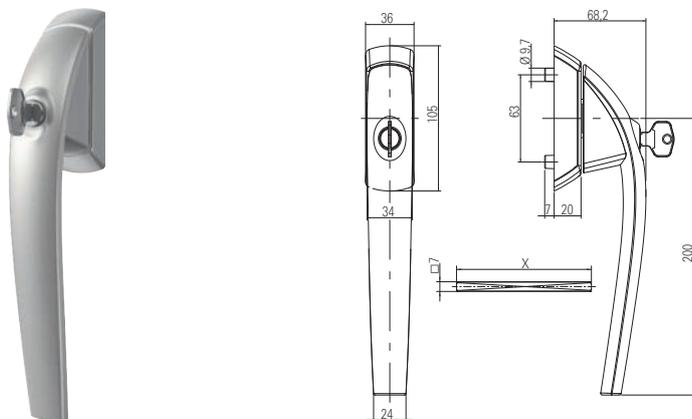
#### Scope of delivery

- 1 window handle
- 1 spindle
- 2 fixing screws, can be shortened

150	R01.1	Silver	Anodised	Y	2	M5X110	1 Piece(s)	619642	
	R05.3	Medium bronze	Anodised	Y	2	M5X110	1 Piece(s)	619643	
	R07.2	Traffic white	Powder	Y	2	M5X110	1 Piece(s)	619644	

## 2.3.2 Sliding door handles – Security

### 2.3.2.1 Lockable, 40 Nm (basic security)



#### Product description

- Lockable handle with tested torque of 40 Nm
- Locking: Push cylinder with turn-key
- Equipped for locking and unlocking
- Operable if handle is unlocked
- Lock-in position 90°
- 10-year functional warranty

#### Scope of delivery

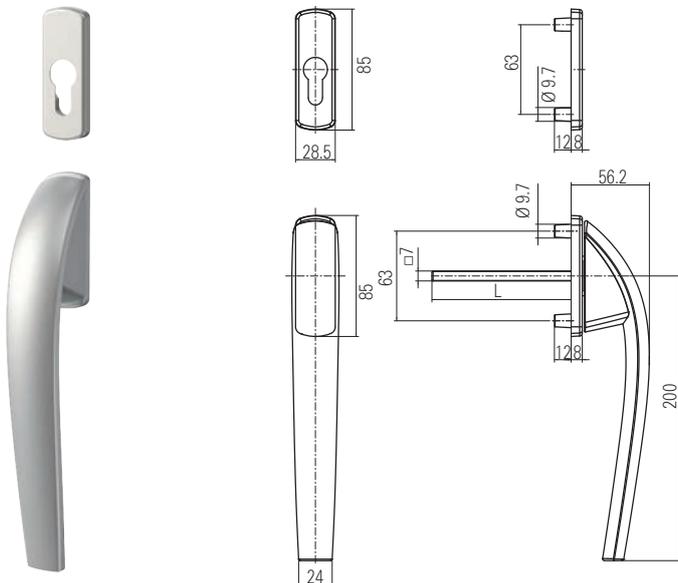
- 1 window handle
- 1 spindle
- 1 key
- 2 fixing screws, can be shortened

150	R01.1	Silver	Anodised	Y	2	M5X110	1 Piece(s)	619655	
	R05.3	Medium bronze	Anodised	Y	2	M5X110	1 Piece(s)	619656	
	R07.2	Traffic white	Powder	Y	2	M5X110	1 Piece(s)	619657	



## 2.3.3 Sliding door handles – Half set – Outside

### 2.3.3.1 Outside escutcheon cover with handle



#### Product description

- Basic handle without additional functions
- Lock-in position 90°
- 10-year functional warranty

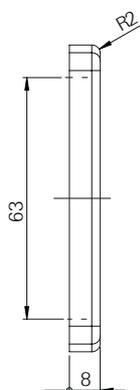
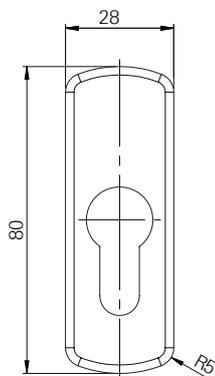
#### Scope of delivery

- 1 window handle
- 1 profile cylinder escutcheon cover
- 2 fixing screws, can be shortened

150	R01.1	Silver	Anodised	Y	2	M5X110	10 Piece(s)	619658	
	R05.3	Medium bronze	Anodised	Y	2	M5X110	10 Piece(s)	619659	
	R07.2	Traffic white	Powder	Y	2	M5X110	10 Piece(s)	619660	

## 2.3.4 Sliding door handles – Accessories

### 2.3.4.1 Escutcheon cover



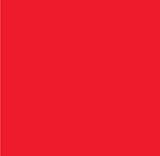
#### Product description

- Profile cylinder escutcheon cover inside
- 10-year functional warranty

#### Scope of delivery

- 1 profile cylinder escutcheon cover

43	R01.1	Silver	Anodised	N	-	-	10 Piece(s)	619661	
	R05.3	Medium bronze	Anodised	N	-	-	10 Piece(s)	619662	
	R07.2	Traffic white	Powder	N	-	-	10 Piece(s)	619663	



## Roto Line







## Roto NT

Window handles – Standard	79
Window handles – Security	87
Balcony door handles	100
Accessories	106

## Roto AL

Window handles – Standard	108
Window handles – Security	111
Window handles – Half set (inside)	113
Accessories	117

## Roto Outward Opening

Window handles – Standard	120
Window handles – Security	122

## Roto Patio

Handles for sliding windows and doors – Standard	125
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## Roto Patio Alversa

Handles for Parallel Sliding and Tilt&Slide systems – Standard	126
Handles for Parallel Sliding and Tilt&Slide systems – Security	134

## Roto Patio Life

Sliding door handles – Standard	140
Sliding door handles – Security	141
Sliding door handles – Set	142
Accessories	144

## Roto Patio Lift

Lift&Slide door handles – Standard	145
Lift&Slide door handles – Half set (outside)	148

## Roto Inline

Sliding handle windows and doors – Half set	152
Accessories	159

### 3 Roto Line

Roto Line is classic design in its most attractive form

The combination of harmonious clear lines with high-quality aluminium elements ensures comfortable handle operation.



Meaning of the pictograms:

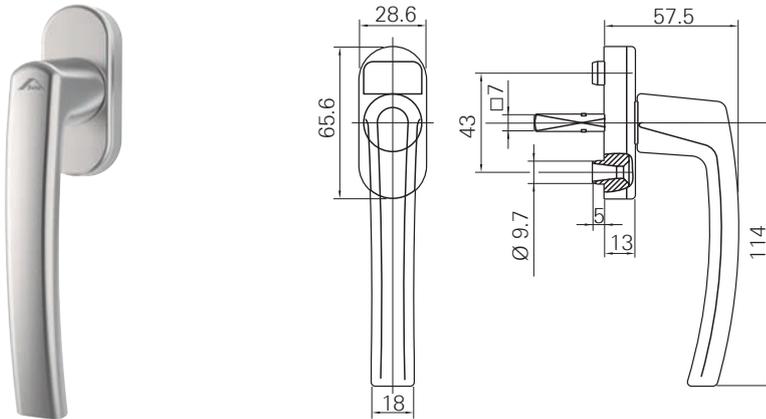
									
Spindle length (in mm)	Colour code (Roto colour designation)	Colour	Design element   Cover   Escutcheon cover	Surface-finish (with respect to handle lever)	Roto logo	Number of screws	Type of screws (diameter x length)	Packaging quantity (in pieces)	Material number



## 3.1 Roto NT

### 3.1.1 Window handles – Standard

#### 3.1.1.1 Standard window handles



#### Product description

- Basic handle without additional functions
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- Fixing screws, see table



#### INFO

For the use with aluminium profiles, a flush-encased gearbox is required.

24	R01.1	Silver	Anodised	Y	-	-	20 Piece(s)	262466
	R01.3	Titanium	Anodised	Y	-	-	20 Piece(s)	341748
	R06.2M	Jet black, matt	Powder	Y	2	M5X35	20 Piece(s)	794253
	R07.2	Traffic white	Powder	Y	2	M5X35	20 Piece(s)	490545

								Nº
30	R01.1	Silver	Anodised	Y	-	-	20 Piece(s)	227897
			Anodised	N	-	-	20 Piece(s)	228079
	R01.2	Nickel silver	Anodised	Y	-	-	20 Piece(s)	227899
			Anodised	N	-	-	20 Piece(s)	228081
	R01.3	Titanium	Anodised	Y	-	-	20 Piece(s)	227781
			Anodised	N	-	-	20 Piece(s)	227982
			Anodised	N	2	M5X40	20 Piece(s)	339532
	R03.1	Brass, matt	Anodised	Y	-	-	20 Piece(s)	227901
	R05.3	Medium bronze	Anodised	Y	-	-	20 Piece(s)	227903
	R04.1	Grey brown	Powder	N	2	M5X40	20 Piece(s)	482542
	R05.3	Medium bronze	Anodised	N	-	-	20 Piece(s)	228086
	R05.5	Bronze	Anodised	Y	-	-	20 Piece(s)	227905
			Anodised	N	-	-	20 Piece(s)	228088
	R07.2	Traffic white	Powder	Y	-	-	20 Piece(s)	227790
			Powder	N	-	-	20 Piece(s)	227990
Powder			N	2	M5X40	20 Piece(s)	228176	
32	R01.1	Silver	Anodised	N	2	M5X40	20 Piece(s)	618706
	R01.3	Titanium	Anodised	N	2	M5X40	20 Piece(s)	618708
	R03.2	Brass, polished	Anodised	N	-	-	20 Piece(s)	245628
	R05.3	Medium bronze	Anodised	N	2	M5X40	20 Piece(s)	618707
	R07.2	Traffic white	Powder	N	2	M5X40	20 Piece(s)	618709

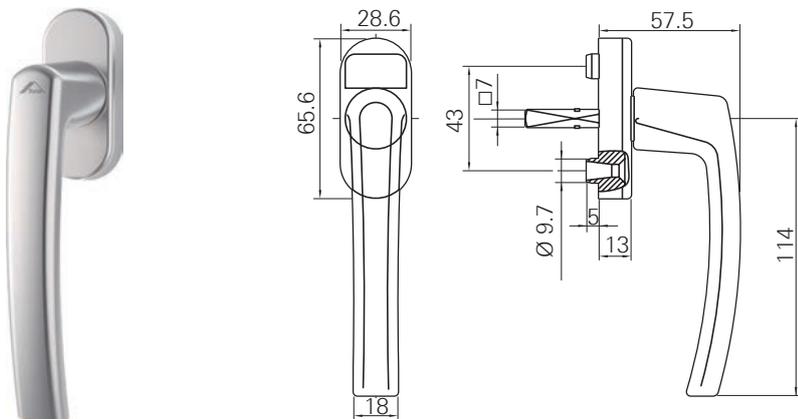


									Nº
35	R01.1	Silver	Anodised	Y	–	–	20 Piece(s)	227907	
			Anodised	N	–	–	20 Piece(s)	228090	
			Anodised	N	2	M5X45	20 Piece(s)	280398	
	R01.2	Nickel silver	Anodised	Y	–	–	20 Piece(s)	227909	
			Anodised	N	–	–	20 Piece(s)	228092	
			Anodised	N	2	M5X45	20 Piece(s)	263704	
	R01.3	Titanium	Anodised	Y	–	–	20 Piece(s)	227796	
			Anodised	N	–	–	20 Piece(s)	227996	
			Anodised	N	2	M5X45	20 Piece(s)	255369	
	R03.1	Brass, matt	Anodised	Y	–	–	20 Piece(s)	227911	
			Anodised	N	–	–	20 Piece(s)	228094	
			Anodised	N	2	M5X45	20 Piece(s)	482544	
	R03.2	Brass, polished	Anodised	Y	–	–	20 Piece(s)	227801	
	R04.1	Grey brown	Powder	Y	–	–	20 Piece(s)	227803	
			Powder	N	–	–	20 Piece(s)	228000	
			Powder	N	2	M5X45	20 Piece(s)	256230	
	R05.3	Medium bronze	Anodised	Y	–	–	20 Piece(s)	227913	
			Anodised	N	–	–	20 Piece(s)	228096	
			Anodised	N	2	M5X45	20 Piece(s)	348329	
	R05.5	Bronze	Anodised	Y	–	–	20 Piece(s)	227915	
			Anodised	N	–	–	20 Piece(s)	228098	
R06.2M	Jet black, matt	Powder	Y	–	–	20 Piece(s)	227793		
R07.1	Pure white	Powder	Y	–	–	20 Piece(s)	227806		
R07.2	Traffic white	Powder	Y	–	–	20 Piece(s)	227808		
		Powder	Y	2	M5X45	20 Piece(s)	256756		
		Powder	N	–	–	20 Piece(s)	228004		
R07.3	Cream white	Powder	Y	–	–	20 Piece(s)	227810		
		Powder	N	–	–	20 Piece(s)	341745		
37	R01.1	Silver	Anodised	N	2	M5X45	20 Piece(s)	384342	
	R01.3	Titanium	Anodised	N	2	M5X45	20 Piece(s)	384344	
	R05.3	Medium bronze	Anodised	N	2	M5X45	20 Piece(s)	618710	
	R07.2	Traffic white	Powder	N	2	M5X45	20 Piece(s)	386267	
40	R01.1	Silver	Anodised	N	–	–	20 Piece(s)	348375	
			Anodised	N	2	M5X50	20 Piece(s)	623132	
	R01.3	Titanium	Anodised	Y	–	–	20 Piece(s)	262935	
			Anodised	N	2	M5X50	20 Piece(s)	330870	
	R03.1	Brass, matt	Anodised	N	–	–	20 Piece(s)	349653	
	R04.1	Grey brown	Powder	N	2	M5X50	20 Piece(s)	330867	
	R05.3	Medium bronze	Anodised	N	–	–	20 Piece(s)	364502	
	R06.2M	Jet black, matt	Powder	N	–	–	20 Piece(s)	794254	
	R07.2	Traffic white	Powder	N	–	–	20 Piece(s)	263658	
Powder			N	2	M5X50	20 Piece(s)	623133		
R07.3	Cream white	Powder	N	–	–	20 Piece(s)	349652		

								Nº
43	R01.1	Silver	Anodised	Y	–	–	20 Piece(s)	571692
			Anodised	N	2	M5X50	20 Piece(s)	594323
			Anodised	N	2	M5X55	20 Piece(s)	618711
	R01.2	Nickel silver	Anodised	Y	–	–	20 Piece(s)	571693
			Anodised	N	2	M5X50	20 Piece(s)	594324
	R01.3	Titanium	Anodised	Y	–	–	20 Piece(s)	571694
			Anodised	N	2	M5X50	20 Piece(s)	594325
			Anodised	N	2	M5X55	20 Piece(s)	618713
	R03.1	Brass, matt	Anodised	Y	–	–	20 Piece(s)	572415
			Anodised	N	2	M5X50	20 Piece(s)	594326
	R03.2	Brass, polished	Anodised	Y	–	–	20 Piece(s)	572420
	R04.1	Grey brown	Powder	Y	–	–	20 Piece(s)	572416
			Powder	N	2	M5X50	20 Piece(s)	594327
	R05.3	Medium bronze	Anodised	Y	–	–	20 Piece(s)	572417
			Anodised	N	2	M5X50	20 Piece(s)	594328
			Anodised	N	2	M5X55	20 Piece(s)	618712
	R05.5	Bronze	Anodised	Y	–	–	20 Piece(s)	572418
			Anodised	N	2	M5X50	20 Piece(s)	594329
R07.2	Traffic white	Powder	Y	–	–	20 Piece(s)	572419	
		Powder	N	2	M5X50	20 Piece(s)	594330	
		Powder	N	2	M5X55	20 Piece(s)	618739	
45	R01.1	Silver	Anodised	N	–	–	20 Piece(s)	347442
	R07.2	Traffic white	Powder	N	–	–	20 Piece(s)	287828
			Powder	N	2	M5X55	20 Piece(s)	256232



### 3.1.1.2 Standard window handles for night ventilation



#### Product description

- Basic handle without additional functions
- Lock-in position 90°
- Lock-in position 45° for night ventilation
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- Fixing screws, see table



#### INFO

For the use with aluminium profiles, a flush-encased gearbox is required.

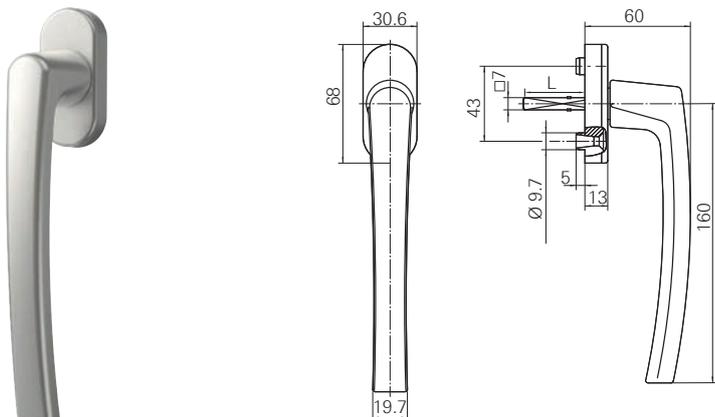
30	R01.1	Silver	Anodised	Y	-	-	20 Piece(s)	339455	
	R01.2	Nickel silver	Anodised	Y	-	-	20 Piece(s)	339456	
	R01.3	Titanium	Anodised	Y	-	-	20 Piece(s)	339457	
	R03.1	Brass, matt	Anodised	Y	-	-	20 Piece(s)	339458	
	R04.1	Grey brown	Powder	Y	-	-	20 Piece(s)	339459	
	R05.3	Medium bronze	Anodised	Y	-	-	20 Piece(s)	339460	
	R05.5	Bronze	Anodised	Y	-	-	20 Piece(s)	339461	
	R07.2	Traffic white	Powder	Y	-	-	20 Piece(s)	227895	
35	R01.1	Silver	Anodised	Y	-	-	20 Piece(s)	339462	
	R01.2	Nickel silver	Anodised	Y	-	-	20 Piece(s)	339463	
	R01.3	Titanium	Anodised	Y	-	-	20 Piece(s)	339474	
	R03.1	Brass, matt	Anodised	Y	-	-	20 Piece(s)	339475	
	R04.1	Grey brown	Powder	Y	-	-	20 Piece(s)	339476	
	R05.3	Medium bronze	Anodised	Y	-	-	20 Piece(s)	339477	
	R05.5	Bronze	Anodised	Y	-	-	20 Piece(s)	339478	
	R07.2	Traffic white	Powder	Y	-	-	20 Piece(s)	339479	

**Roto Line**  
**Roto NT**  
Window handles – Standard

								Nº
37	R01.1	Silver	Anodised	N	-	-	20 Piece(s)	373935
	R01.3	Titanium	Anodised	N	2	M5X45	20 Piece(s)	524319
			Anodised	N	-	-	20 Piece(s)	373936
	R05.5	Bronze	Anodised	N	-	-	20 Piece(s)	488271
	R07.2	Traffic white	Powder	N	-	-	20 Piece(s)	373942
	R07.3	Cream white	Powder	N	2	M5X45	20 Piece(s)	524367
40	R01.1	Silver	Anodised	Y	-	-	20 Piece(s)	473235
			Anodised	N	-	-	20 Piece(s)	373945
	R01.2	Nickel silver	Anodised	Y	-	-	20 Piece(s)	473236
	R01.3	Titanium	Anodised	Y	-	-	20 Piece(s)	473237
	R03.1	Brass, matt	Anodised	Y	-	-	20 Piece(s)	473238
	R03.2	Brass, polished	Anodised	Y	-	-	20 Piece(s)	473239
	R04.1	Grey brown	Powder	Y	-	-	20 Piece(s)	473240
			Powder	N	-	-	20 Piece(s)	373948
	R05.3	Medium bronze	Anodised	Y	-	-	20 Piece(s)	473241
	R05.5	Bronze	Anodised	Y	-	-	20 Piece(s)	473242
	R07.2	Traffic white	Powder	Y	-	-	20 Piece(s)	473243
			Powder	N	-	-	20 Piece(s)	373949
	R07.3	Cream white	Powder	N	-	-	20 Piece(s)	373950



### 3.1.1.3 Window handles for Comfort windows



#### Product description

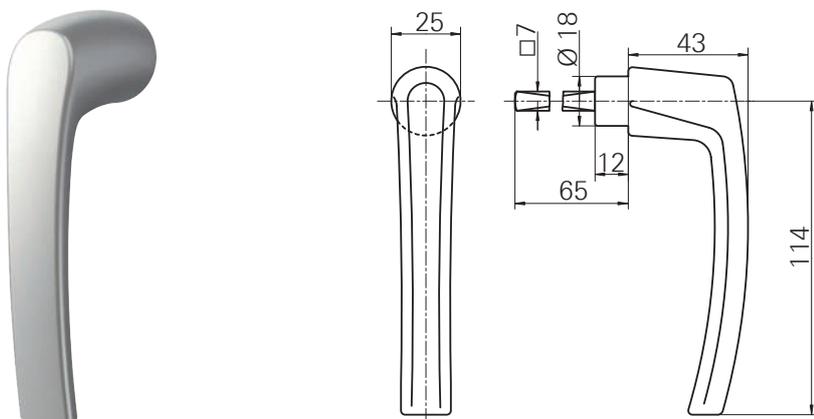
- Basic handle without additional functions
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- Without fixing screws

35	R01.1	Silver	Anodised	Y	-	-	1 Piece(s)	211598	
	R01.2	Nickel silver	Anodised	Y	-	-	1 Piece(s)	211599	
	R01.3	Titanium	Anodised	Y	-	-	1 Piece(s)	288728	
	R01.5	Silver	Anodised	Y	-	-	1 Piece(s)	623491	
	R05.3	Medium bronze	Anodised	Y	-	-	1 Piece(s)	211597	
	R05.4	Dark bronze	Anodised	Y	-	-	1 Piece(s)	288727	
	R06.2M	Jet black, matt	Powder	Y	-	-	1 Piece(s)	794352	
	R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	211596	
43	R01.1	Silver	Anodised	Y	-	-	1 Piece(s)	601161	
	R01.2	Nickel silver	Anodised	Y	-	-	1 Piece(s)	601162	
	R01.3	Titanium	Anodised	Y	-	-	1 Piece(s)	601163	
	R05.3	Medium bronze	Anodised	Y	-	-	1 Piece(s)	601164	
	R05.4	Dark bronze	Anodised	Y	-	-	1 Piece(s)	601165	
	R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	601166	

### 3.1.1.4 Service window handles



#### Product description

- Service handle without additional functions

#### Scope of delivery

- 1 window handle
- Fixing screws, see table



#### INFO

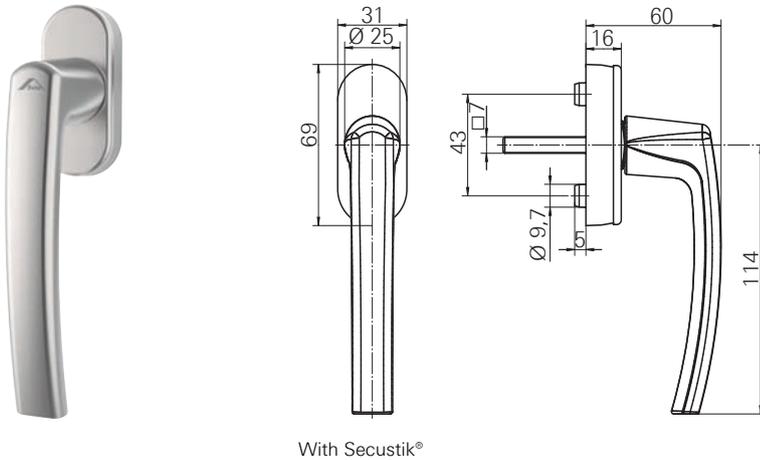
Required for the use with Roto Line escutcheon plate for service handle. → *from page 106*

65	R07.2	Traffic white	Powder	N	-	-	30 Piece(s)	257628	



## 3.1.2 Window handles – Security

### 3.1.2.1 Secustik® window handles



With Secustik®



#### Product description

- Handle with automatic locking
- Security against manipulation from outside
- Patented blocking mechanism is part of the integrated basic security
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- Fixing screws, see table



#### INFO

Further information → *from page 24*

For the use with aluminium profiles, a flush-encased gearbox is required.

24	R01.1	Silver	Anodised	Y	-	-	20 Piece(s)	603664
	R01.3	Titanium	Anodised	Y	-	-	20 Piece(s)	498746
			Anodised	Y	2	M5X35	20 Piece(s)	738921
	R06.2M	Jet black, matt	Powder	Y	-	-	20 Piece(s)	794351
			Powder	Y	2	M5X35	20 Piece(s)	794357
R07.1	Pure white	Powder	Y	-	-	20 Piece(s)	603666	

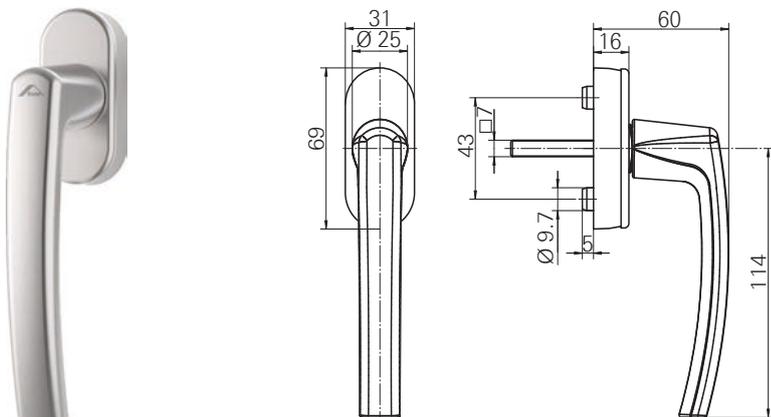
								<b>Nº</b>
32	R01.1	Silver	Anodised	N	2	M5X40	20 Piece(s)	618714
	R01.3	Titanium	Anodised	N	–	–	20 Piece(s)	351758
			Anodised	N	2	M5X40	20 Piece(s)	618736
	R04.1	Grey brown	Powder	N	–	–	20 Piece(s)	351759
	R05.3	Medium bronze	Anodised	N	2	M5X40	20 Piece(s)	618735
	R05.5	Bronze	Anodised	N	2	M5X40	20 Piece(s)	623781
	R06.2M	Jet black, matt	Powder	N	–	–	20 Piece(s)	794349
	R07.2	Traffic white	Powder	N	–	–	20 Piece(s)	351763
Powder			N	2	M5X40	20 Piece(s)	618737	
35	R03.1	Brass, matt	Anodised	Y	–	–	20 Piece(s)	627463
	R04.4	Black brown	Powder	Y	–	–	20 Piece(s)	627465
	R07.2	Traffic white	Powder	Y	–	–	20 Piece(s)	627468
37	R01.1	Silver	Anodised	Y	–	–	20 Piece(s)	498752
			Anodised	N	–	–	20 Piece(s)	351737
			Anodised	N	2	M5X45	20 Piece(s)	384419
			Anodised	N	2	M5X50	20 Piece(s)	570401
	R01.2	Nickel silver	Anodised	N	–	–	20 Piece(s)	351738
	R01.3	Titanium	Anodised	Y	–	–	20 Piece(s)	498753
			Anodised	N	–	–	20 Piece(s)	351739
			Anodised	N	2	M5X45	20 Piece(s)	384439
			Anodised	N	2	M5X50	20 Piece(s)	487658
	R03.1	Brass, matt	Anodised	N	2	M5X50	20 Piece(s)	629478
	R04.1	Grey brown	Powder	N	–	–	20 Piece(s)	351740
			Powder	N	2	M5X50	20 Piece(s)	570402
	R05.3	Medium bronze	Anodised	N	–	–	20 Piece(s)	351741
			Anodised	N	2	M5X50	20 Piece(s)	618738
	R05.5	Bronze	Anodised	N	–	–	20 Piece(s)	351742
	R06.2M	Jet black, matt	Powder	N	2	M5X50	20 Piece(s)	643331
	R07.2	Traffic white	Powder	N	–	–	20 Piece(s)	351744
			Powder	N	2	M5X45	20 Piece(s)	384421
Powder			N	2	M5X50	20 Piece(s)	487657	
40	R01.1	Silver	Anodised	Y	–	–	20 Piece(s)	627460
			Anodised	N	–	–	20 Piece(s)	363584
	R01.2	Nickel silver	Anodised	Y	–	–	20 Piece(s)	627456
			Anodised	N	–	–	20 Piece(s)	363615
	R01.3	Titanium	Anodised	Y	–	–	20 Piece(s)	627458
			Anodised	N	2	M5X55	20 Piece(s)	566531
	R03.1	Brass, matt	Anodised	Y	–	–	20 Piece(s)	627455
	R04.1	Grey brown	Powder	Y	–	–	20 Piece(s)	498769
			Powder	N	–	–	20 Piece(s)	363617
	R04.4	Black brown	Powder	Y	–	–	20 Piece(s)	627457
	R05.5	Bronze	Anodised	Y	–	–	20 Piece(s)	627454
			Anodised	N	–	–	20 Piece(s)	363619
	R07.2	Traffic white	Powder	Y	–	–	20 Piece(s)	498770
			Powder	N	–	–	20 Piece(s)	363621
Powder			N	2	M5X55	20 Piece(s)	566530	
R07.3	Cream white	Powder	Y	–	–	20 Piece(s)	498771	



								Nº
43	R01.1	Silver	Anodised	N	2	M5X55	20 Piece(s)	594331
	R01.3	Titanium	Anodised	N	2	M5X55	20 Piece(s)	594333
	R04.1	Grey brown	Powder	N	2	M5X55	20 Piece(s)	594335
	R05.3	Medium bronze	Anodised	N	2	M5X55	20 Piece(s)	594336
	R05.5	Bronze	Anodised	N	2	M5X55	20 Piece(s)	594337
	R07.2	Traffic white	Powder	N	2	M5X55	20 Piece(s)	594338



### 3.1.2.2 Secustik® window handles for night ventilation



#### Product description

- Handle with automatic locking
- Security against manipulation from outside
- Patented blocking mechanism is part of the integrated basic security
- Lock-in position 90°  
 Lock-in position 45° for night ventilation
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- Fixing screws, see table



#### INFO

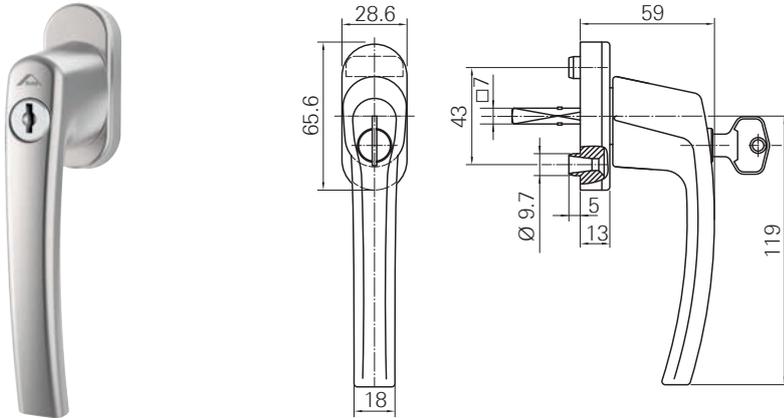
Further information → *from page 24*

For the use with aluminium profiles, a flush-encased gearbox is required.

32	R01.1	Silver	Anodised	Y	2	M5X45	20 Piece(s)	616693	
	R01.3	Titanium	Anodised	Y	2	M5X45	20 Piece(s)	616694	
	R04.1	Grey brown	Powder	Y	2	M5X45	20 Piece(s)	616695	
	R05.3	Medium bronze	Anodised	Y	2	M5X45	20 Piece(s)	616696	
	R05.5	Bronze	Anodised	Y	2	M5X45	20 Piece(s)	616697	
	R07.2	Traffic white	Powder	Y	2	M5X45	20 Piece(s)	616698	
37	R01.1	Silver	Anodised	Y	2	M5X50	20 Piece(s)	616699	
	R01.2	Nickel silver	Anodised	Y	2	M5X50	20 Piece(s)	616700	
	R01.3	Titanium	Anodised	Y	2	M5X50	20 Piece(s)	616701	
	R04.1	Grey brown	Powder	Y	2	M5X50	20 Piece(s)	607384	
	R05.3	Medium bronze	Anodised	Y	2	M5X50	20 Piece(s)	616702	
	R05.5	Bronze	Anodised	Y	2	M5X50	20 Piece(s)	616703	
	R07.2	Traffic white	Powder	Y	2	M5X50	20 Piece(s)	607395	



### 3.1.2.3 Window handles, lockable, 40 Nm



#### Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- Locking: Push cylinder with turn-key
- Equipped for locking and unlocking
- Operable if handle is unlocked
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- 1 key
- Fixing screws, see table



#### INFO

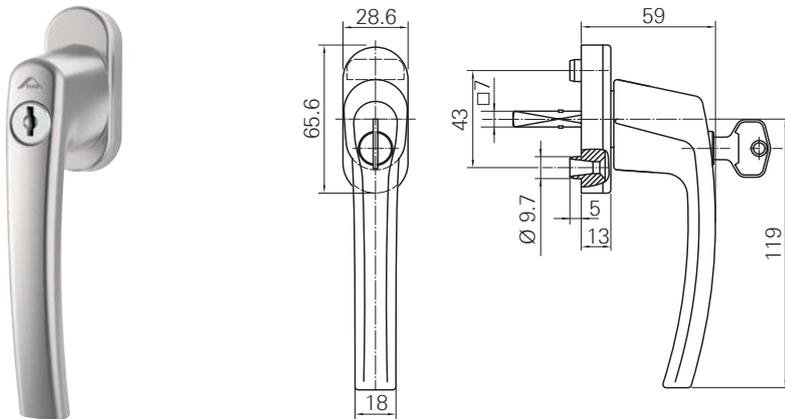
For the use with aluminium profiles, a flush-encased gearbox is required.

24 30	R01.1	Silver	Anodised	Y	-	-	20 Piece(s)	610560	
			Anodised	Y	-	-	20 Piece(s)	227962	
			Anodised	N	-	-	20 Piece(s)	228125	
	R01.2	Nickel silver	Anodised	N	-	-	20 Piece(s)	228126	
	R01.3	Titanium	Anodised	Y	-	-	20 Piece(s)	227863	
			Anodised	N	-	-	20 Piece(s)	228035	
	R05.3	Medium bronze	Anodised	Y	-	-	20 Piece(s)	227965	
	R05.5	Bronze	Anodised	Y	-	-	20 Piece(s)	227966	
R06.2M	Jet black, matt	Powder	N	-	M5X50	20 Piece(s)	794358		
R07.2	Traffic white	Powder	Y	-	-	20 Piece(s)	227868		
		Powder	N	-	-	20 Piece(s)	228039		
32	R01.1	Silver	Anodised	N	2	M5X40	20 Piece(s)	618768	
	R01.3	Titanium	Anodised	N	2	M5X40	20 Piece(s)	618770	
	R05.3	Medium bronze	Anodised	N	2	M5X40	20 Piece(s)	618769	
	R07.2	Traffic white	Powder	N	2	M5X40	20 Piece(s)	618771	

								Nº
35	R01.1	Silver	Anodised	Y	-	-	20 Piece(s)	227967
			Anodised	N	2	M5X45	20 Piece(s)	280399
			Anodised	N	-	-	20 Piece(s)	228130
	R01.2	Nickel silver	Anodised	N	-	-	20 Piece(s)	228131
	R01.3	Titanium	Anodised	Y	-	-	20 Piece(s)	227871
			Anodised	N	-	-	20 Piece(s)	228040
	R03.1	Brass, matt	Anodised	N	-	-	20 Piece(s)	228132
	R04.1	Grey brown	Powder	N	-	-	20 Piece(s)	228042
	R05.3	Medium bronze	Anodised	Y	-	-	20 Piece(s)	227970
			Anodised	N	-	-	20 Piece(s)	228133
	R05.5	Bronze	Anodised	N	-	-	20 Piece(s)	228134
			Anodised	Y	-	-	20 Piece(s)	227971
	R07.1	Pure white	Powder	N	-	-	20 Piece(s)	228043
	R07.2	Traffic white	Powder	Y	-	-	20 Piece(s)	227876
Powder			N	2	M5X45	20 Piece(s)	246638	
Powder			N	-	-	20 Piece(s)	228044	
R07.3	Cream white	Powder	N	-	-	20 Piece(s)	377606	
37	R01.1	Silver	Anodised	N	2	M5X45	20 Piece(s)	384395
	R01.3	Titanium	Anodised	N	2	M5X45	20 Piece(s)	384438
	R05.3	Medium bronze	Anodised	N	2	M5X45	20 Piece(s)	618772
	R07.2	Traffic white	Powder	N	2	M5X45	20 Piece(s)	384397
40	R01.1	Silver	Anodised	N	2	M5X50	20 Piece(s)	352026
	R01.3	Titanium	Anodised	N	2	M5X55	20 Piece(s)	566529
	R04.1	Grey brown	Powder	N	-	-	20 Piece(s)	377609
	R07.2	Traffic white	Powder	N	2	M5X50	20 Piece(s)	331006
			Powder	N	2	M5X55	20 Piece(s)	566528
R07.3	Cream white	Powder	N	-	-	20 Piece(s)	377610	
43	R01.1	Silver	Anodised	N	2	M5X50	20 Piece(s)	594339
			Anodised	N	2	M5X55	20 Piece(s)	618774
	R01.3	Titanium	Anodised	N	2	M5X50	20 Piece(s)	594341
			Anodised	N	2	M5X55	20 Piece(s)	618786
	R05.5	Bronze	Anodised	N	2	M5X50	20 Piece(s)	594345
	R07.2	Traffic white	Powder	N	2	M5X55	20 Piece(s)	594346
Powder			N	2	M5X55	20 Piece(s)	618787	



### 3.1.2.4 Window handles, lockable, 100 Nm



#### Product description

- Lockable handle with tested torque of 100 Nm
- Locking: Push cylinder with turn-key
- Simple and quick locking by pushing down the cylinder
- It meets the requirements of DIN EN 13126-3, RC1 – RC6
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- 1 key
- Fixing screws, see table



#### INFO

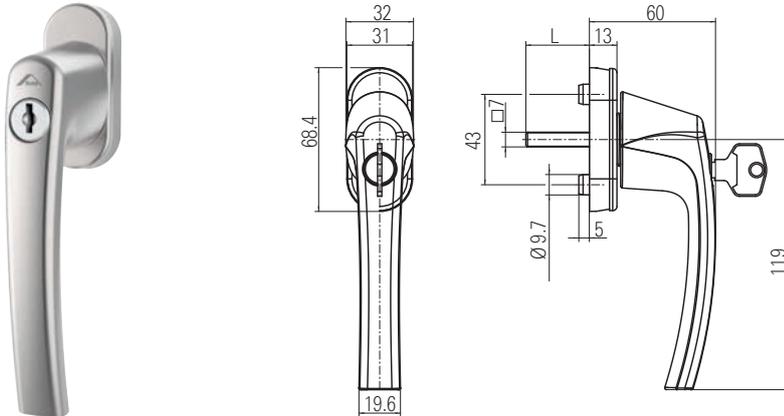
Further information → *from page 24*. For the use with aluminium profiles, a flush-encased gearbox is required.

30	R01.1	Silver	Anodised	N	–	–	20 Piece(s)	333964	
	R07.2	Traffic white	Powder	N	–	–	20 Piece(s)	333972	
32	R01.1	Silver	Anodised	N	2	M5X40	20 Piece(s)	618788	
	R01.3	Titanium	Anodised	N	2	M5X40	20 Piece(s)	618790	
	R05.3	Medium bronze	Anodised	N	2	M5X40	20 Piece(s)	618789	
	R07.2	Traffic white	Powder	N	2	M5X40	20 Piece(s)	618791	

								Nº
35	R01.1	Silver	Anodised	Y	-	-	20 Piece(s)	333973
			Anodised	N	2	M5X45	20 Piece(s)	347561
			Anodised	N	-	-	20 Piece(s)	333983
	R01.2	Nickel silver	Anodised	N	-	-	20 Piece(s)	333984
	R01.3	Titanium	Anodised	N	-	-	20 Piece(s)	333985
	R03.1	Brass, matt	Anodised	N	-	-	20 Piece(s)	333986
	R04.1	Grey brown	Powder	N	-	-	20 Piece(s)	333987
	R05.3	Medium bronze	Anodised	N	-	-	20 Piece(s)	333988
	R05.5	Bronze	Anodised	N	-	-	20 Piece(s)	333989
	R07.1	Pure white	Powder	N	-	-	20 Piece(s)	333990
	R07.2	Traffic white	Powder	N	2	M5X45	20 Piece(s)	347563
Powder			N	-	-	20 Piece(s)	333991	
37	R01.1	Silver	Anodised	N	2	M5X45	20 Piece(s)	384422
	R01.3	Titanium	Anodised	N	2	M5X45	20 Piece(s)	385078
	R05.3	Medium bronze	Anodised	N	2	M5X45	20 Piece(s)	618792
	R05.5	Bronze	Anodised	N	2	M5X45	20 Piece(s)	624451
	R07.2	Traffic white	Powder	N	2	M5X45	20 Piece(s)	384424
40	R01.1	Silver	Anodised	N	2	M5X50	20 Piece(s)	623134
			Anodised	N	2	-	20 Piece(s)	355804
	R01.3	Titanium	Anodised	N	2	M5X50	20 Piece(s)	331004
	R04.1	Grey brown	Powder	N	2	M5X50	20 Piece(s)	623176
	R07.2	Traffic white	Powder	N	2	M5X50	20 Piece(s)	623175
			Powder	N	2	-	20 Piece(s)	355806
43	R01.1	Silver	Anodised	Y	2	-	20 Piece(s)	572421
			Anodised	N	2	M5X55	20 Piece(s)	618793
	R01.2	Nickel silver	Anodised	Y	2	-	20 Piece(s)	572422
	R01.3	Titanium	Anodised	Y	2	-	20 Piece(s)	572423
			Anodised	N	2	M5X55	20 Piece(s)	618805
	R03.1	Brass, matt	Anodised	Y	2	-	20 Piece(s)	572424
	R05.3	Medium bronze	Anodised	Y	2	-	20 Piece(s)	572427
			Anodised	N	2	M5X55	20 Piece(s)	618794
	R05.5	Bronze	Anodised	Y	2	-	20 Piece(s)	572428
	R07.2	Traffic white	Powder	Y	2	-	20 Piece(s)	572429
			Powder	N	2	M5X50	20 Piece(s)	594354
Powder			N	2	M5X55	20 Piece(s)	618806	
45	R01.1	Silver	Anodised	N	2	-	20 Piece(s)	347507
	R07.2	Traffic white	Powder	N	2	-	20 Piece(s)	347505



### 3.1.2.5 Window handles, lockable, 200 Nm



#### Product description

- Lockable handle with tested torque of 200 Nm
- Locking: Push cylinder with turn-key
- Simple and quick locking by pushing down the cylinder
- It meets the requirements of DIN EN 13126-3, RC1 – RC6
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- 1 key
- Without fixing screws

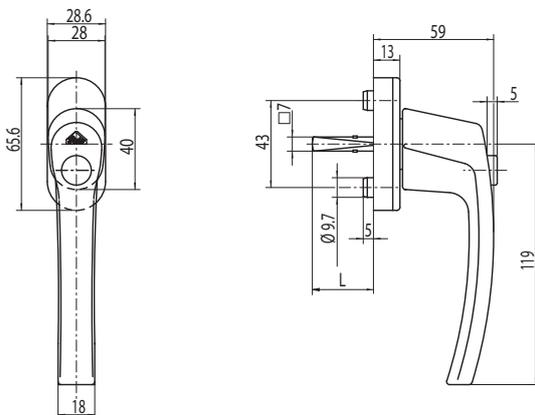


#### INFO

Further information → *from page 24*. For the use with aluminium profiles, a flush-encased gearbox is required.

								
35	R01.1	Silver	Anodised	Y	-	-	15 Piece(s)	227947
	R01.3	Titanium	Anodised	Y	-	-	15 Piece(s)	227840
	R05.3	Medium bronze	Anodised	Y	-	-	15 Piece(s)	227950
	R05.5	Bronze	Anodised	Y	-	-	15 Piece(s)	227951
	R07.2	Traffic white	Powder	Y	-	-	15 Piece(s)	227844

### 3.1.2.6 Window handle with push-button



#### Product description

- Window handle with push-button
- Push-button function enables locking and unlocking
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 23*

#### Scope of delivery

- 1 window handle
- Fixing screws, see table



#### INFO

For the use with aluminium profiles, a flush-encased gearbox is required.

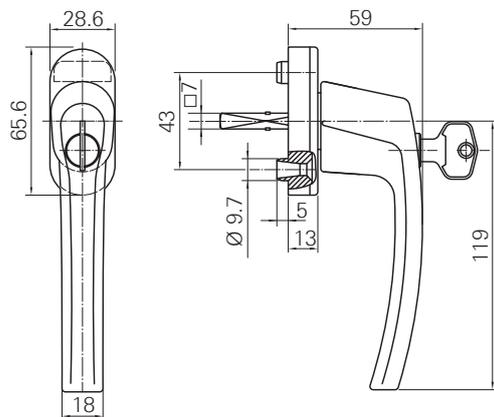
30	R01.1	Silver	Anodised	N	–	–	20 Piece(s)	228135
	R01.3	Titanium	Anodised	N	–	–	20 Piece(s)	228045
	R07.2	Traffic white	Powder	N	–	–	20 Piece(s)	228049
32	R01.1	Silver	Anodised	N	2	M5X40	20 Piece(s)	618740
	R01.3	Titanium	Anodised	N	2	M5X40	20 Piece(s)	618742
	R05.3	Medium bronze	Anodised	N	2	M5X40	20 Piece(s)	618741
	R07.2	Traffic white	Powder	N	2	M5X40	20 Piece(s)	618807
35	R01.1	Silver	Anodised	N	–	–	20 Piece(s)	228140
	R01.3	Titanium	Anodised	N	–	–	20 Piece(s)	228050
	R03.1	Brass, matt	Anodised	N	–	–	20 Piece(s)	228142
	R04.1	Grey brown	Powder	N	–	–	20 Piece(s)	228052
	R05.3	Medium bronze	Anodised	N	–	–	20 Piece(s)	228143
	R05.5	Bronze	Anodised	N	–	–	20 Piece(s)	228144
	R07.2	Traffic white	Powder	N	–	–	20 Piece(s)	228054
37	R01.1	Silver	Anodised	N	2	M5X45	20 Piece(s)	384435
	R01.3	Titanium	Anodised	N	2	M5X45	20 Piece(s)	385079
	R05.3	Medium bronze	Anodised	N	2	M5X45	20 Piece(s)	618743
	R07.2	Traffic white	Powder	N	2	M5X45	20 Piece(s)	384437



								Nº
43	R01.1	Silver	Anodised	N	2	M5X50	20 Piece(s)	598416
			Anodised	N	2	M5X55	20 Piece(s)	618744
	R01.3	Titanium	Anodised	N	2	M5X55	20 Piece(s)	618766
	R05.5	Bronze	Anodised	N	2	M5X50	20 Piece(s)	598421
	R07.2	Traffic white	Powder	N	2	M5X50	20 Piece(s)	598422
			Powder	N	2	M5X55	20 Piece(s)	618767
			Powder	N	2	–	20 Piece(s)	347485



### 3.1.2.7 Window handles Tilt-First, lockable, 40 Nm



#### Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- For Tilt-First window operation (tilt before turn)
- Locking: Push cylinder with turn-key
- Lockable in 0-degree and 90-degree position
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 23*

#### Scope of delivery

- 1 window handle
- 1 key
- Fixing screws, see table



#### INFO

Further information → *from page 26*. For the use with aluminium profiles, a flush-encased gearbox is required.

32	R01.1	Silver	Anodised	Y	-	-	20 Piece(s)	335309	
			Anodised	N	2	M5X40	20 Piece(s)	618808	
	R01.2	Nickel silver	Anodised	Y	-	-	20 Piece(s)	335310	
	R01.3	Titanium	Anodised	Y	-	-	20 Piece(s)	335314	
	R03.1	Brass, matt	Anodised	Y	-	-	20 Piece(s)	335311	
	R05.4	Dark bronze	Anodised	Y	-	-	20 Piece(s)	335312	
	R07.2	Traffic white	Powder	Y	-	-	20 Piece(s)	335313	
Powder			N	2	M5X40	20 Piece(s)	618811		
37	R01.1	Silver	Anodised	Y	-	-	20 Piece(s)	347800	
			Anodised	N	2	M5X45	20 Piece(s)	618812	
	R01.3	Titanium	Anodised	N	2	M5X45	20 Piece(s)	618814	
	R04.1	Grey brown	Powder	Y	-	-	20 Piece(s)	347801	
	R05.3	Medium bronze	Anodised	N	2	M5X45	20 Piece(s)	618813	
	R05.5	Bronze	Anodised	Y	-	-	20 Piece(s)	494034	
			Powder	Y	-	-	20 Piece(s)	347802	
R07.2	Traffic white	Powder	Y	2	M5X45	20 Piece(s)	618815		



								Nº
40	R01.1	Silver	Anodised	Y	-	-	20 Piece(s)	377611
	R01.3	Titanium	Anodised	Y	-	-	20 Piece(s)	377612
	R07.3	Traffic white	Powder	Y	-	-	20 Piece(s)	377615
	R01.1	Cream white	Powder	Y	-	-	20 Piece(s)	377616
43		Silver	Anodised	N	2	M5X50	20 Piece(s)	594355
	R01.3	Titanium	Anodised	N	2	M5X50	20 Piece(s)	594357
	R05.3	Medium bronze	Anodised	N	2	M5X55	20 Piece(s)	618817
	R07.2	Traffic white	Powder	N	2	M5X55	20 Piece(s)	594362
			Powder	N	2	M5X55	20 Piece(s)	618819



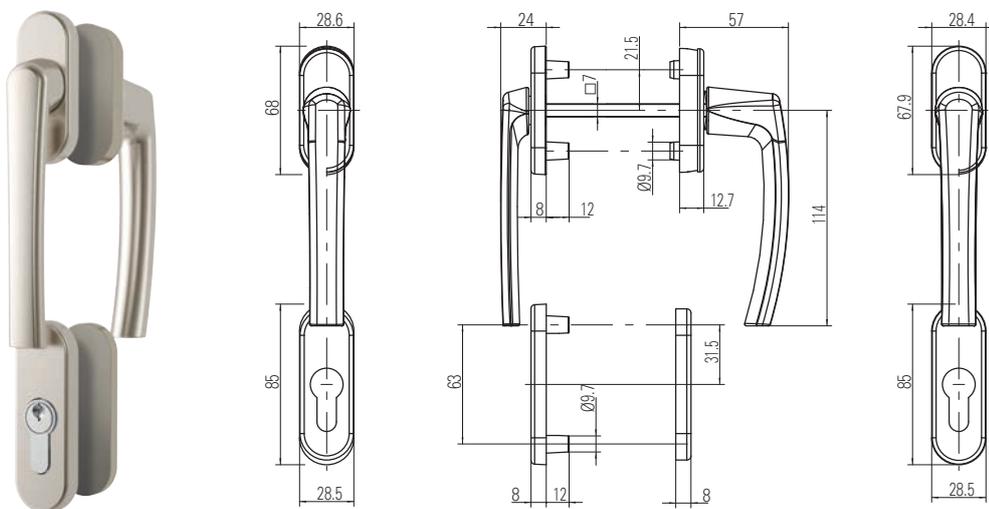




								Nº
100	R01.1	Silver	Anodised	Y	4	M5X100	1 Piece(s)	228292
			Anodised	N	4	M5X100	1 Piece(s)	228380
	R01.2	Nickel silver	Anodised	Y	4	M5X100	1 Piece(s)	228293
			Anodised	N	4	M5X100	1 Piece(s)	228381
	R01.3	Titanium	Anodised	Y	4	M5X100	1 Piece(s)	228233
			Anodised	Y	4	M5X100	1 Piece(s)	228333
			Anodised	N	4	M5X100	1 Piece(s)	228339
	R03.1	Brass, matt	Anodised	Y	4	M5X100	1 Piece(s)	228294
			Anodised	N	4	M5X100	1 Piece(s)	228382
	R04.1	Grey brown	Powder	Y	4	M5X100	1 Piece(s)	228235
			Powder	N	4	M5X100	1 Piece(s)	228335
	R05.3	Medium bronze	Anodised	Y	4	M5X100	1 Piece(s)	228295
			Anodised	N	4	M5X100	1 Piece(s)	228383
	R05.5	Bronze	Anodised	Y	4	M5X100	1 Piece(s)	228296
			Anodised	Y	4	M5X100	1 Piece(s)	228384
	R06.2M	Jet black, matt	Powder	N	4	M5X100	1 Piece(s)	794348
R07.1	Pure white	Powder	Y	4	M5X100	1 Piece(s)	228236	
		Powder	N	4	M5X100	1 Piece(s)	228336	
R07.2	Traffic white	Powder	Y	4	M5X100	1 Piece(s)	228237	
		Powder	N	4	M5X100	1 Piece(s)	228337	
127	R01.1	Silver	Anodised	N	4	M5X110	1 Piece(s)	601694
	R01.3	Titanium	Anodised	N	4	M5X110	1 Piece(s)	601706
	R07.2	Traffic white	Powder	N	4	M5X110	1 Piece(s)	601711



**3.1.3.2 Sets – Outside escutcheon cover with flat handle and inside escutcheon cover with handle**



**Product description**

- Handle set with escutcheon-cover version
- Outside handle fix connected
- Outside short-necked handle with profile cylinder escutcheon cover
- Inside standard handle with profile cylinder escutcheon cover
- Concealed screw connection
- Lock-in position 90°
- 10-year functional warranty

**Scope of delivery**

- 2 window handles (flat handle, standard handle)
- 2 profile cylinder escutcheon covers
- 4 fixing screws, can be shortened



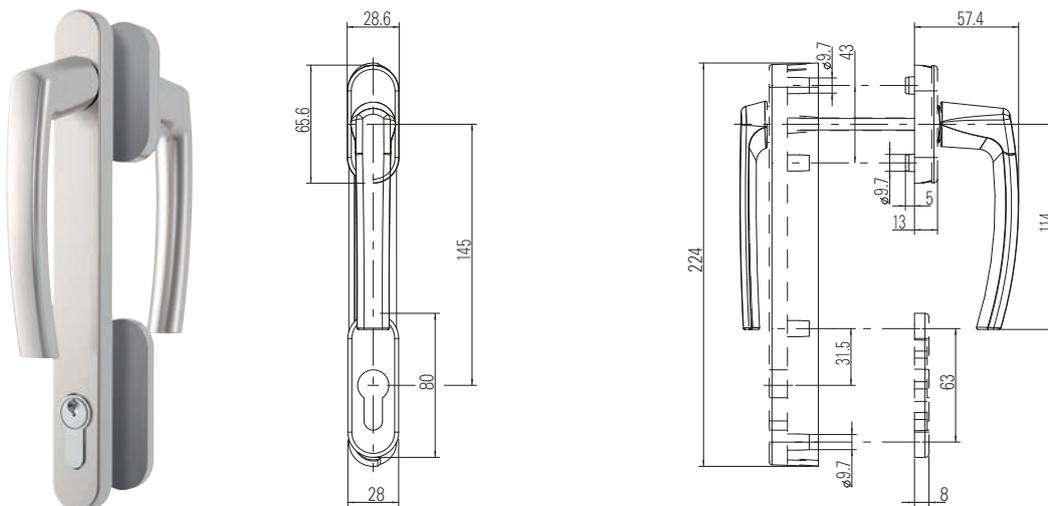
**INFO**

Profile cylinder not included in delivery scope.

100	R01.1	Silver	Anodised	Y	4	M5X100	1 Piece(s)	228302
			Anodised	N	4	M5X100	1 Piece(s)	228385
			Anodised	N	4	M5X100	1 Piece(s)	228390
	R01.3	Titanium	Anodised	Y	4	M5X100	1 Piece(s)	228245
			Anodised	N	4	M5X100	1 Piece(s)	228345
	R04.1	Grey brown	Powder	N	4	M5X100	1 Piece(s)	228347
	R05.3	Medium bronze	Anodised	Y	4	M5X100	1 Piece(s)	228305
			Anodised	N	4	M5X100	1 Piece(s)	228393
	R05.5	Bronze	Anodised	Y	4	M5X100	1 Piece(s)	228306
			Anodised	N	4	M5X100	1 Piece(s)	228394
	R07.2	Traffic white	Powder	Y	4	M5X100	1 Piece(s)	228249
			Powder	N	4	M5X100	1 Piece(s)	228349



### 3.1.3.4 Sets – Outside angular-shaped long-plate and inside escutcheon cover with handle



#### Product description

- Outside standard handle with angular-shaped long-plate, fix connected
- Inside standard handle with profile cylinder escutcheon cover
- Concealed screw connection
- Lock-in position 90°
- 10-year functional warranty

#### Scope of delivery

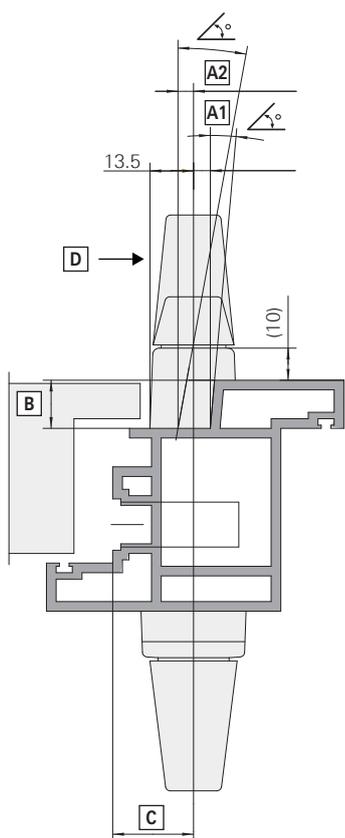
- 2 window handles
- 1 profile cylinder escutcheon covers
- 4 fixing screws



#### INFO

Profile cylinder not included in delivery scope. For the use with aluminium profiles, a flush-encased gearbox is required.

100	R07.2	Traffic white	Powder	N	4	M5X100	Left	1 Piece(s)	228366
			Powder	N	4	M5X100	Right	1 Piece(s)	228367



**INFO**

Left-hand version as mirror image.

Assignment	Meaning
[A1]	Order dimension, see table for example
[A2]	Order dimension, see table for example
[B]	Order dimension, see table for example
[C]	Backset
[D]	With roller shutters

**Example table for order dimensions**

Profile system	Sash	Backset	Order dimensions			
			A1	A2	B	Angle
Aluplast	H22M	30	-	3	15	0°
Rehau S730	A 60 S 554111	25	-	9	11	15°
Schüco Corona CT70	856316	30	-	-	-	-
Veka Swingline 70	103238	25	-	5.2	9	35°
...						



**INFO**

Further profile systems are available upon request.



### INFO

The articles with angular-shaped long-plate adapted to the profile, which are mentioned in the section (see dimensions in brackets) are available upon request.

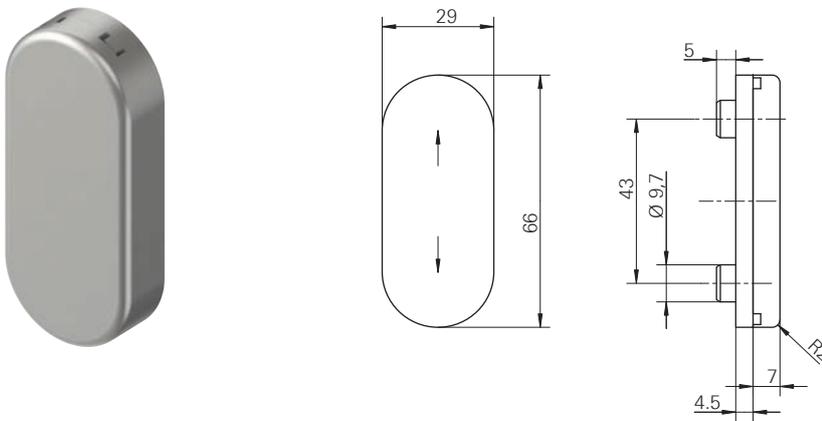
For this, the following information is required:

- Material number of door handle set DIN left + quantity
- Material number of door handle set DIN right + quantity
- Profile system
- Sash profile number
- Backset



## 3.1.4 Accessories

### 3.1.4.1 Escutcheon plate for service handle



#### Product description

- Finger hole in escutcheon cover with vertically slidable cover
- In combination with Roto Line service handle (see → *from page 86*).

#### Scope of delivery

- 1 escutcheon cover
- Without fixing screws

				N <sup>o</sup>
R01.1	Silver	Anodised	20 Piece(s)	228100
R01.2	Nickel silver	Anodised	20 Piece(s)	228101
R01.3	Titanium	Anodised	20 Piece(s)	228010
R03.1	Brass, matt	Anodised	20 Piece(s)	228102
R04.1	Grey brown	Powder	20 Piece(s)	228012
R05.3	Medium bronze	Anodised	20 Piece(s)	228103
R05.5	Bronze	Anodised	20 Piece(s)	228104
R07.2	Traffic white	Powder	20 Piece(s)	228014



## 3.2 Roto AL

The Roto Line handles for Roto NT described in this chapter, are suitable for aluminium profiles, if the depicted flush-encased gearboxes or the SEC flush-encased gearboxes are used.



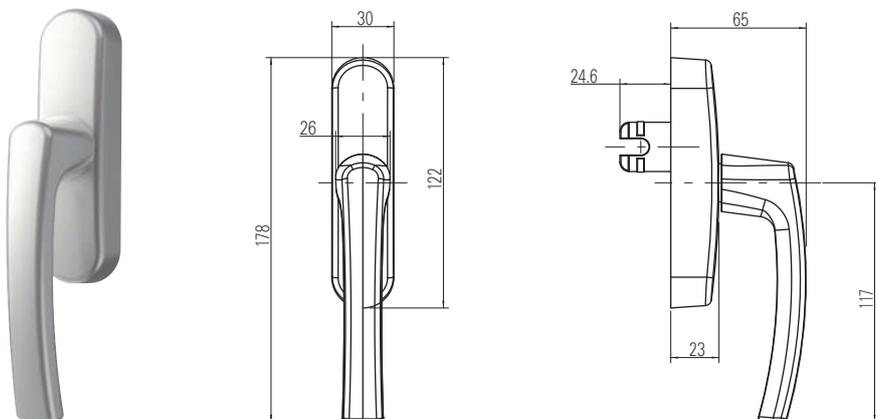
### INFO

The spindle of 30 resp. 35 mm must be shortened to a length of 24 mm.



## 3.2.1 Window handles – Standard

### 3.2.1.1 Geared-handle



#### Product description

- Basic handle without additional functions
- Lock-in position 90°

#### Scope of delivery

- 1 window handle
- Without fixing screws



#### INFO

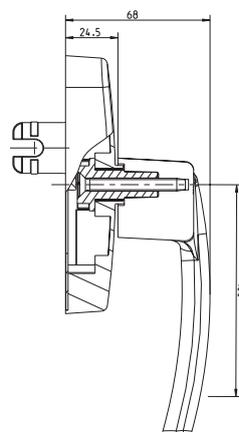
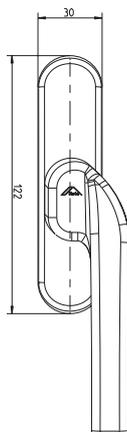
Roto Line geared-handles with different fork lengths available upon request.



								Nº
26	R01.1	Silver	Anodised	Y	-	-	10 Piece(s)	238671
			Anodised	N	-	-	10 Piece(s)	384509
			Wet-painted	Y	-	-	10 Piece(s)	384325
	R01.5		Powder	Y	-	-	10 Piece(s)	377474
			Powder	N	-	-	10 Piece(s)	384503
	R05.4	Dark bronze	Powder	Y	-	-	10 Piece(s)	377478
			Powder	N	-	-	10 Piece(s)	384504
	R06.2M	Jet black, matt	Powder	Y	-	-	10 Piece(s)	377475
			Powder	N	-	-	10 Piece(s)	384505
	R06.2	Jet black	Powder	N	-	-	10 Piece(s)	385190
	R07.1	Pure white	Powder	Y	-	-	10 Piece(s)	377476
			Powder	N	-	-	10 Piece(s)	384506
	R07.2	Traffic white	Powder	Y	-	-	10 Piece(s)	377477
			Powder	N	-	-	10 Piece(s)	384507
	R03.3	Gold	Metallic	N	-	-	10 Piece(s)	457093
	R03.4	Stainless-steel design	Metallic	Y	-	-	10 Piece(s)	335880
SF	SF	Powder	Y	-	-	10 Piece(s)	377479	
		Wet-painted	N	-	-	10 Piece(s)	384508	
Roh	Raw	-	N	-	-	10 Piece(s)	632981	



### 3.2.1.2 Geared-handle, offset handle



DIN R is shown here; DIN L is mirror-inverted



#### Product description

- Offset handle without auxiliary function
- 90° lock-in position

#### Scope of supply

- 1 window handle
- without fixing screws



#### INFO

Compatible toothed sliders → *from page 119*

26	R07.2	Traffic white	Powder	Y	-	-	Left	10 Piece(s)	477543
			Powder	Y	-	-	Right	10 Piece(s)	477544
	R01.5	Silver	Powder	Y	-	-	Left	10 Piece(s)	477855
			Powder	Y	-	-	Right	10 Piece(s)	477856
	R06.2	Jet black	Powder	Y	-	-	Left	10 Piece(s)	477857
			Powder	Y	-	-	Right	10 Piece(s)	477858
Roh	Raw	-	N	-	-	Left	10 Piece(s)	477859	
		-	N	-	-	Right	10 Piece(s)	477860	

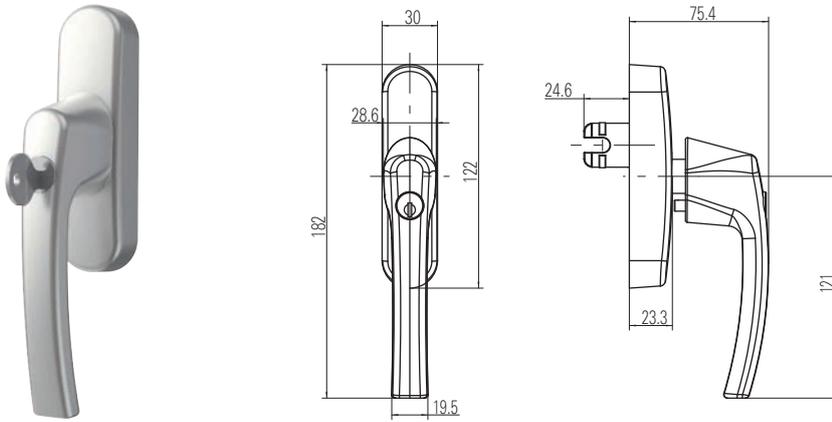
Compatible T-connectors (security)

Compatible toothed sliders → *from page 119*



## 3.2.2 Window handles – Security

### 3.2.2.1 Geared-handle, lockable, 100 Nm



#### Product description

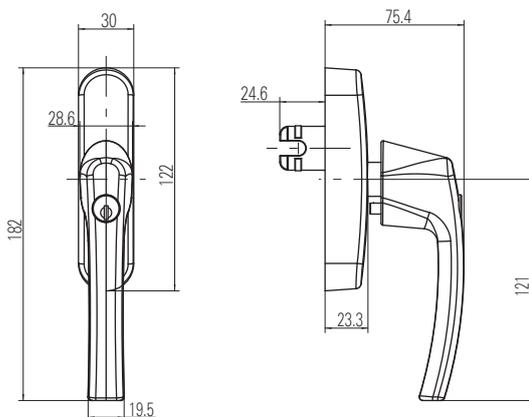
- Lockable handle with tested torque of 100 Nm
- Locking: Push cylinder with turn-key
- Lock-in position 90°

#### Scope of delivery

- 1 window handle
- 2 keys
- Without fixing screws

								<b>N<sup>o</sup></b>
26	R01.1	Silver	Anodised	Y	–	–	10 Piece(s)	238692
			Wet-painted	Y	–	–	10 Piece(s)	384524
			Wet-painted	N	–	–	10 Piece(s)	384525
	R01.5		Powder	Y	–	–	10 Piece(s)	378843
	R05.4	Dark bronze	Powder	Y	–	–	10 Piece(s)	378917
	R06.2M	Jet black, matt	Powder	Y	–	–	10 Piece(s)	378844
	R06.2	Jet black	Powder	Y	–	–	10 Piece(s)	385193
	R07.1	Pure white	Powder	N	–	–	10 Piece(s)	384521
	R07.2	Traffic white	Powder	Y	–	–	10 Piece(s)	378916
	SF	SF	Powder Wet-painted	Y	–	–	10 Piece(s)	378918
		Powder Wet-painted	N	–	–	–	384523	
Roh	Raw	–	N	–	–	10 Piece(s)	238700	

### 3.2.2.2 Geared-handle, lockable, 100 Nm for TF



#### Product description

- Lockable handle with tested torque of 100 Nm
- Locking: Push cylinder with turn-key
- Simple and quick locking by pushing down the cylinder
- For Tilt-First window operation (tilt before turn)
- Lock-in position 90°

#### Scope of delivery

- 1 window handle
- 2 key
- Without fixing screws



#### INFO

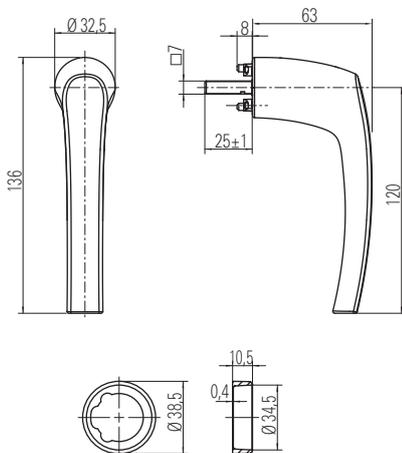
Further information → *from page 26*

26	R01.5	Silver	Powder	Y	–	–	10 Piece(s)	378919
	R05.4	Dark bronze	Powder	Y	–	–	10 Piece(s)	378923
	R06.2M	Jet black, matt	Powder	Y	–	–	10 Piece(s)	378920
	R06.2	Jet black	Powder	Y	–	–	10 Piece(s)	385215
	R07.2	Traffic white	Powder	Y	–	–	10 Piece(s)	378922
	R07.1	Pure white	Powder	Y	–	–	10 Piece(s)	378921
	SF	SF	Powder Wet-painted	Y	–	–	10 Piece(s)	378924
	Roh	Raw	–	N	–	–	10 Piece(s)	238716



### 3.2.3 Window handles – Half set (inside)

#### 3.2.3.1 Escutcheonless handle



#### Product description

- Basic handle without additional functions
- Can be optionally combined with colour-matched escutcheon ring
- Concealed screw connection
- Lock-in position 90°

#### Scope of delivery

- 1 window handle
- 2 fixing screws
- 1 transport protection

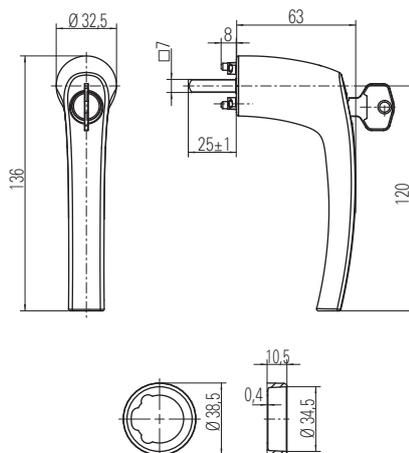


#### INFO

Ring for escutcheonless handle, see Accessories → *from page 117*

25	R01.1	Silver	Wet-painted	N	2	M4X12.5	10 Piece(s)	623294
	R01.5		Powder	N	2	M4X12.5	10 Piece(s)	377908
	R06.2	Jet black	Powder	N	2	M4X12.5	10 Piece(s)	377909
	R07.2	Traffic white	Powder	N	2	M4X12.5	10 Piece(s)	377911
	R05.4	Dark bronze	Anodised	N	2	M4X12.5	10 Piece(s)	377912
	R03.4	Stainless-steel design	Metallic	N	2	M4X12.5	10 Piece(s)	619288
	SF	SF	Powder Wet-painted	N	2	M4X12.5	10 Piece(s)	377913

### 3.2.3.2 Escutcheonless handle, lockable



#### Product description

- Lockable handle with tested torque of 40 Nm
- Locking: Push cylinder with turn-key
- Equipped for locking and unlocking
- Operable if handle is unlocked
- Lock-in position 90°

#### Scope of delivery

- 1 window handle
- 1 key
- 2 fixing screws
- 1 transport protection



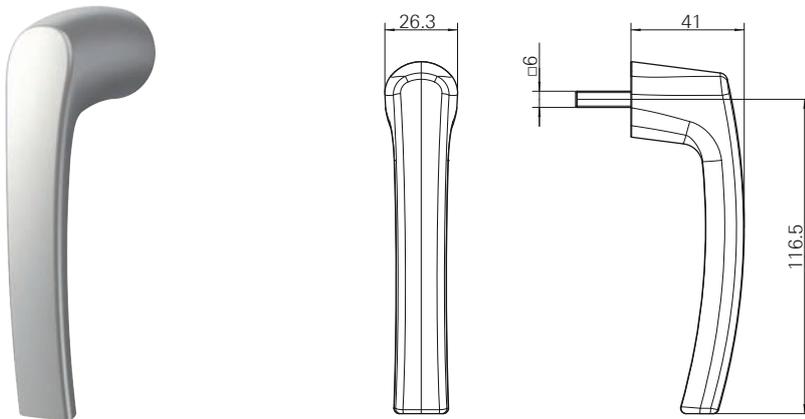
#### INFO

Ring for escutcheonless handle, see Accessories → *from page 117*

25	R01.1	Silver	Wet-painted	N	2	M4X12.5	10 Piece(s)	623475
	R01.5		Powder	N	2	M4X12.5	10 Piece(s)	377914
	R06.2	Jet black	Powder	N	2	M4X12.5	10 Piece(s)	377915
	R07.2	Traffic white	Powder	N	2	M4X12.5	10 Piece(s)	377917
	R05.4	Dark bronze	Anodised	N	2	M4X12.5	10 Piece(s)	377918
	SF	SF	Powder Wet-painted	N	2	M4X12.5	10 Piece(s)	377919



### 3.2.3.3 Service handle



#### Product description

- Service handle without additional functions

#### Scope of delivery

- 1 window handle
- Without fixing screws

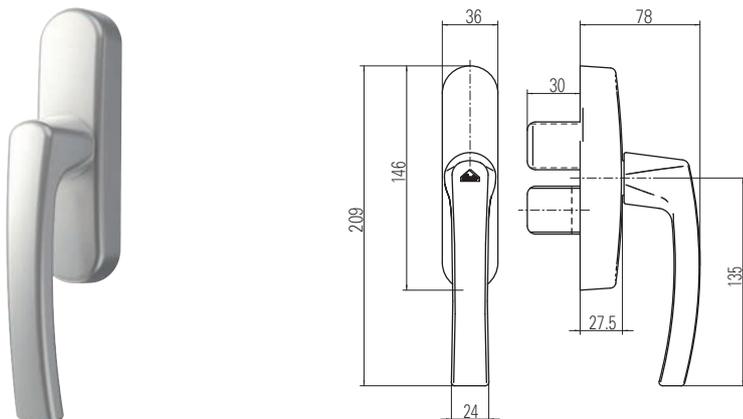


#### INFO

Required for the use with Roto Line escutcheon plate for service handle.

20	R01.1	Silver	Wet-painted	N	-	-	10 Piece(s)	570467
	SF	SF	Powder Wet-painted	N	-	-	10 Piece(s)	570468
	Roh	Raw	-	N	-	-	10 Piece(s)	601627

### 3.2.3.4 Reverse-action espagnolette



#### Product description

- Reverse-action espagnolette without additional functions
- Lock-in position 90°

#### Scope of delivery

- 1 window handle
- Without fixing screws

								Nº
30	R01.5	Silver	Powder	Y	-	-	10 Piece(s)	378925
	R05.4	Dark bronze	Powder	Y	-	-	10 Piece(s)	378929
	R06.2	Jet black	Powder	Y	-	-	10 Piece(s)	378926
	R07.2	Traffic white	Powder	Y	-	-	10 Piece(s)	378928
	SF	SF	Powder Wet-painted	Y	-	-	10 Piece(s)	378930
	Roh	Raw	-	N	-	-	10 Piece(s)	238742



## 3.2.4 Accessories

### 3.2.4.1 Ring for escutcheonless handle



#### Product description

- Aluminium escutcheon ring
- In combination with escutcheonless window handles → *from page 113* → *from page 114*
- Colour-matched with Roto window handles

#### Scope of delivery

- 1 ring

				N <sup>o</sup>
R01.1	Silver	Wet-painted	10 Piece(s)	623476
R01.5	Silver	Powder	10 Piece(s)	377979
R03.4	Stainless-steel design	Anodised	10 Piece(s)	619290
R05.4	Dark bronze	Anodised	10 Piece(s)	377983
R06.2	Jet black	Powder	10 Piece(s)	377980
R07.2	Traffic white	Powder	10 Piece(s)	377982
SF	SF	Powder Wet-painted	10 Piece(s)	377984

### 3.2.4.2 Mounting plate for escutcheonless handle



#### Product description

- Mounting plate for attaching escutcheonless handles at aluminium profiles

#### Scope of delivery

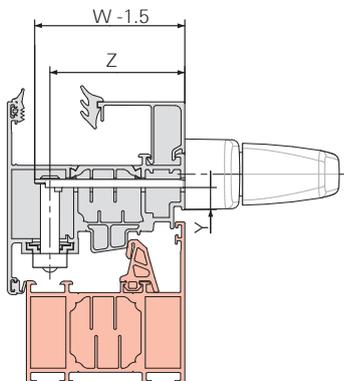
- 1 mounting plate
- Without fixing screws

						
Mounting plate for escutcheonless handle		-	-	-	10 Piece(s)	378134



### 3.2.4.3 Toothed slider

#### Geared-handle



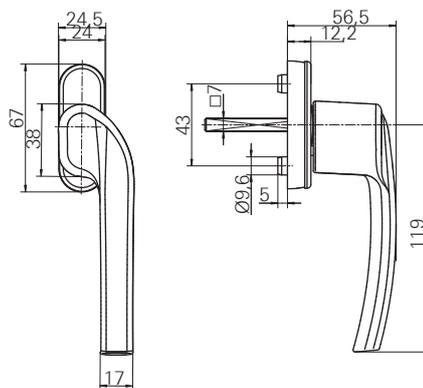
	W (length 1) / Y (length 2)
	Z (minimum)
	Z (maximum)

					N <sup>o</sup>
Toothed slider 1	19 / 10	8	12	100 Piece(s)	490240
Toothed slider 2	32 / 10	21	25	100 Piece(s)	482309
Toothed slider 3	37 / 10	26	30	100 Piece(s)	482310
Toothed slider 4	37 / 4	26	30	100 Piece(s)	482311
Toothed slider 5	46 / 10	35	39	100 Piece(s)	482312
Toothed slider 6	46 / 4	35	39	100 Piece(s)	482313
Toothed slider 7	50 / 10	39	43	100 Piece(s)	482314
Toothed slider 8	53 / 10	42	46	100 Piece(s)	482315
Toothed slider 9	53 / 4	42	46	100 Piece(s)	482316
Toothed slider 10	55 / 10	44	48	100 Piece(s)	482317
Toothed slider 11	60 / 10	49	53	100 Piece(s)	482318
Toothed slider 12	67 / 10	56	60	100 Piece(s)	490611

## 3.3 Roto Outward Opening

### 3.3.1 Window handles – Standard

#### 3.3.1.1 Cranked



DIN left-hand version depicted; DIN right-hand version is a mirror image



#### Product description

- Cranked handle without additional functions
- Lock-in position 90°
- Suitable for all frame components

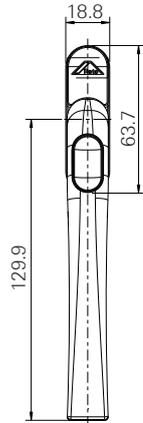
#### Scope of delivery

- 1 window handle
- Without fixing screws

-	R07.1	Pure white	Powder	N	-	-	15 Piece(s)	Left	563938
			Powder	N	-	-	15 Piece(s)	Right	563939
	R06.4M	Black, matt	Powder	N	-	-	15 Piece(s)	Left	570510
			Powder	N	-	-	15 Piece(s)	Right	570511
43	R01.1	Silver	Anodised	N	-	-	15 Piece(s)	Left	375318
			Anodised	N	-	-	15 Piece(s)	Right	375811
	R01.3	Titanium	Anodised	N	-	-	15 Piece(s)	Left	375319
			Anodised	N	-	-	15 Piece(s)	Right	375814
	R07.2	Traffic white	Powder	N	-	-	15 Piece(s)	Left	375320
			Powder	N	-	-	15 Piece(s)	Right	375816
	R07.1	Pure white	Powder	N	-	-	15 Piece(s)	Left	599455
			Powder	N	-	-	15 Piece(s)	Right	599456



### 3.3.1.2 MK 2 with push-button



DIN left-hand version depicted; DIN right-hand version is a mirror image



#### Product description

- Handle with push-button
- Lock-in position 90°
- 10-year functional warranty

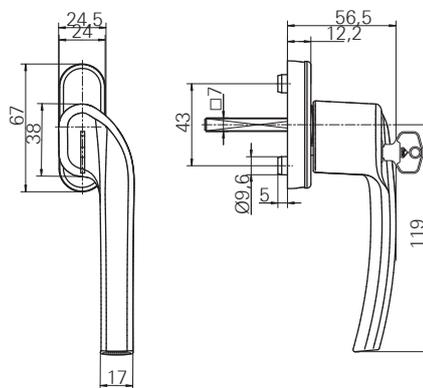
#### Scope of delivery

- 1 window handle
- Without fixing screws

								<b>Nº</b>
30 mm	R07.2	Traffic white	Powder	Y	-	-	40 Piece(s)	258401
43 mm	R07.2	Traffic white	Powder	Y	-	-	40 Piece(s)	280995

### 3.3.2 Window handles – Security

#### 3.3.2.1 Lockable, cranked



DIN left-hand version depicted; DIN right-hand version is a mirror image



#### Product description

- Lockable handle with tested torque of 100 Nm
- Locking: Push cylinder with turn-key
- Simple and quick locking by pushing down the cylinder
- It meets the requirements of SKG
- Lock-in position 90°
- 10-year functional warranty

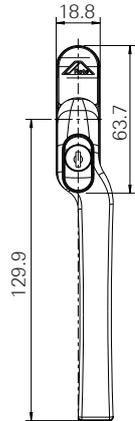
#### Scope of delivery

- 1 window handle
- 1 key
- Without fixing screws

43	R01.1	Silver	Anodised	N	SKG	–	–	40 Piece(s)	Left	375322	
			Anodised	Y	SKG	–	–	40 Piece(s)	Right	375819	
	R01.3	Titanium	Anodised	N	SKG	–	–	40 Piece(s)	Left	375325	
			Anodised	N	SKG	–	–	40 Piece(s)	Right	375820	
	R07.2	Traffic white	Powder	N	SKG	–	–	40 Piece(s)	Right	375330	
			Powder	N	SKG	–	–	40 Piece(s)	Left	375821	



### 3.3.2.2 MK 2 cranked, lockable



DIN left-hand version depicted; DIN right-hand version is a mirror image



#### Product description

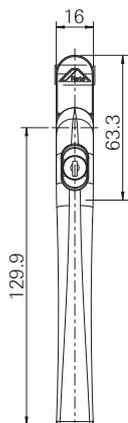
- Cranked handle, lockable
- Lock-in position 90°

#### Scope of delivery

- 1 window handle
- Without fixing screws

43	R01.4	Chromium	Y	Anodised	-	-	Left	40 Piece(s)	345790
43	R01.4	Chromium	Y	Anodised	-	-	Right	40 Piece(s)	345792

### 3.3.2.3 MK 3, lockable



#### Product description

- Lockable handle
- Lock-in position 90°

#### Scope of delivery

- 1 window handle
- 1 key
- Without fixing screws

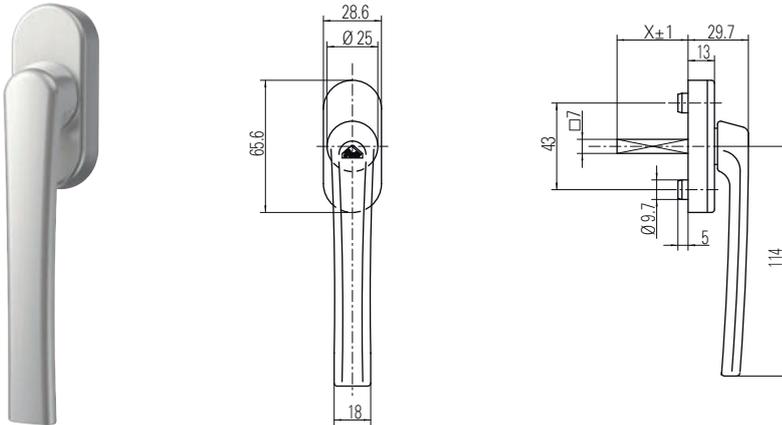
43	R03.3	Gold	Anodised	Y	-	-	40 Piece(s)	335288
43	R07.2	Traffic white	Powder	Y	-	-	40 Piece(s)	335284



## 3.4 Roto Patio

### 3.4.1 Handles for sliding windows and doors – Standard

#### 3.4.1.1 Flat handle



#### Product description

- Basic handle without additional functions
- Lock-in position 90°
- 10-year functional warranty

#### Scope of delivery

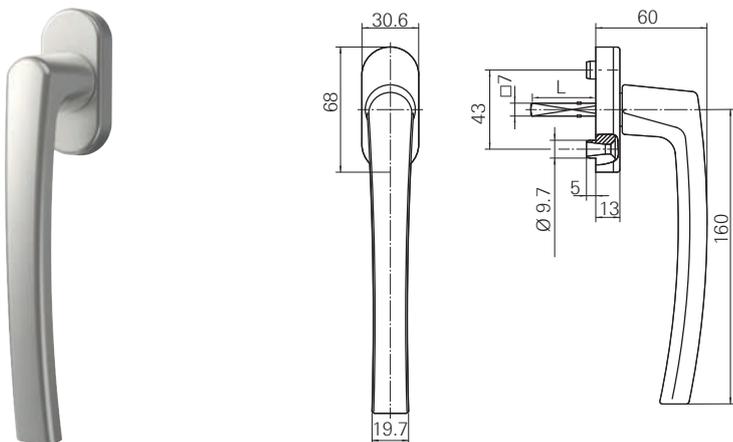
- 1 window handle
- Without fixing screws

									Nº
35	R01.1	Silver	Anodised	Y	-	-	20 Piece(s)	336112	
	R01.3	Titanium	Anodised	Y	-	-	10 Piece(s)	485766	
	R03.1	Brass, matt	Anodised	Y	-	-	10 Piece(s)	485765	
	R04.1	Grey brown	Powder	Y	-	-	10 Piece(s)	485764	
	R04.4	Black brown	Powder	Y	-	-	10 Piece(s)	490462	
	R05.3	Medium bronze	Anodised	Y	-	-	20 Piece(s)	336111	
	R06.2M	Jet black, matt	Powder	Y	-	-	10 Piece(s)	794355	
	R07.2	Traffic white	Powder	Y	-	-	20 Piece(s)	336110	
55	R01.1	Silver	Anodised	Y	-	-	10 Piece(s)	490560	
	R05.3	Medium bronze	Anodised	Y	-	-	10 Piece(s)	490561	
	R07.2	Traffic white	Powder	Y	-	-	10 Piece(s)	490562	

## 3.5 Roto Patio Alversa

### 3.5.1 Handles for Parallel Sliding and Tilt&Slide systems – Standard

#### 3.5.1.1 Inside handles, 160 mm



#### Product description

- Basic handle without additional functions
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

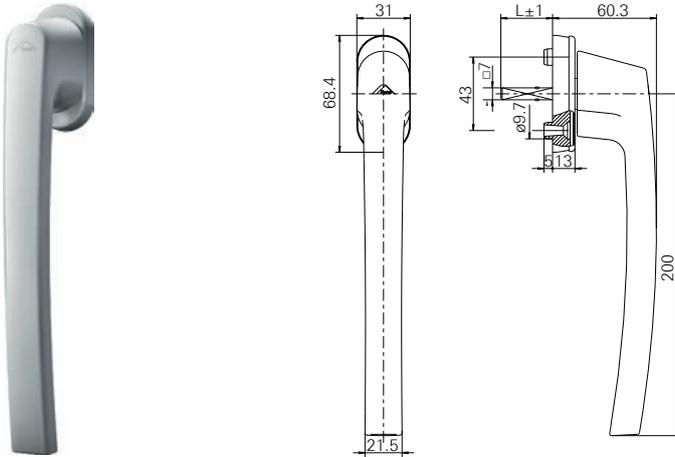
#### Scope of delivery

- 1 window handle
- Without fixing screws

35	R01.1	Silver	Anodised	Y	–	–	1 Piece(s)	211598
	R01.2	Nickel silver	Anodised	Y	–	–	1 Piece(s)	211599
	R01.3	Titanium	Anodised	Y	–	–	1 Piece(s)	288728
	R01.5	Silver	Anodised	Y	–	–	1 Piece(s)	623491
	R05.4	Dark bronze	Anodised	Y	–	–	1 Piece(s)	288727
	R05.3	Medium bronze	Anodised	Y	–	–	1 Piece(s)	211597
	R06.2M	Jet black, matt	Powder	Y	–	–	1 Piece(s)	794352
	R07.2	Traffic white	Powder	Y	–	–	1 Piece(s)	211596
43	R01.1	Silver	Anodised	Y	–	–	1 Piece(s)	601161
	R01.2	Nickel silver	Anodised	Y	–	–	1 Piece(s)	601162
	R01.3	Titanium	Anodised	Y	–	–	1 Piece(s)	601163
	R05.3	Medium bronze	Anodised	Y	–	–	1 Piece(s)	601164
	R05.4	Dark bronze	Anodised	Y	–	–	1 Piece(s)	601165
	R07.2	Traffic white	Powder	Y	–	–	1 Piece(s)	601166



### 3.5.1.2 Inside handles, 200 mm



#### Product description

- Basic handle without additional functions
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- 2 fixing screws, can be shortened

32	R01.1	Silver	Anodised	Y	2	M5X40	1 Piece(s)	786362
	R01.2	Nickel silver	Anodised	Y	2	M5X40	1 Piece(s)	786669
	R01.3	Titanium	Anodised	Y	2	M5X40	1 Piece(s)	786670
	R01.5	Silver	Powder	Y	2	M5X40	1 Piece(s)	786671
	R05.3	Medium bronze	Anodised	Y	2	M5X40	1 Piece(s)	786363
	R05.4	Dark bronze	Powder	Y	2	M5X40	1 Piece(s)	786364
	R05.5	Bronze	Anodised	Y	2	M5X40	1 Piece(s)	786673
	R06.2M	Jet black, matt	Powder	Y	2	M5X40	1 Piece(s)	786674
	R07.2	Traffic white	Powder	Y	2	M5X40	1 Piece(s)	786395
	R07.3	Cream white	Powder	Y	2	M5X40	1 Piece(s)	786717
37	R01.1	Silver	Anodised	Y	2	M5X45	1 Piece(s)	780549
	R01.2	Nickel silver	Anodised	Y	2	M5X45	1 Piece(s)	786517
	R01.3	Titanium	Anodised	Y	2	M5X45	1 Piece(s)	780552
	R01.5	Silver	Powder	Y	2	M5X45	1 Piece(s)	786519
	R05.3	Medium bronze	Anodised	Y	2	M5X45	1 Piece(s)	780575
	R05.4	Dark bronze	Powder	Y	2	M5X45	1 Piece(s)	780576
	R05.5	Bronze	Anodised	Y	2	M5X45	1 Piece(s)	780577
	R06.2M	Jet black, matt	Powder	Y	2	M5X45	1 Piece(s)	786715
	R07.3	Cream white	Powder	Y	2	M5X45	1 Piece(s)	780579
	R07.2	Traffic white	Powder	Y	2	M5X45	1 Piece(s)	780578

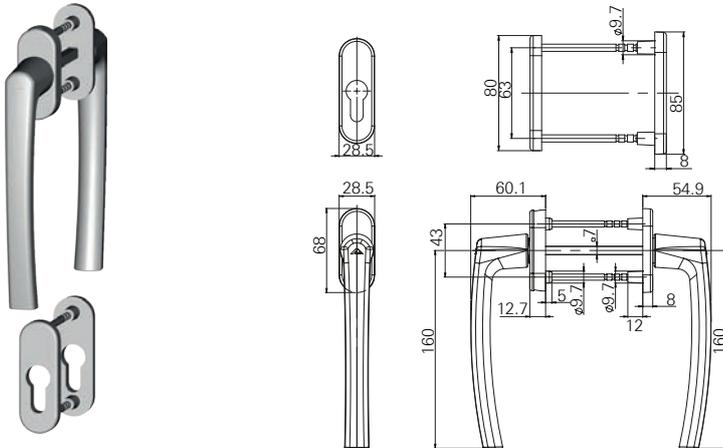
**Roto Line****Roto Patio Alversa**

Handles for Parallel Sliding and Tilt&amp;Slide systems – Standard

								Nº
43	R01.1	Silver	Anodised	Y	2	M5X50	1 Piece(s)	780551
	R01.2	Nickel silver	Anodised	Y	2	M5X50	1 Piece(s)	786518
	R01.3	Titanium	Anodised	Y	2	M5X50	1 Piece(s)	780580
	R01.5	Silver	Powder	Y	2	M5X50	1 Piece(s)	786672
	R05.3	Medium bronze	Anodised	Y	2	M5X50	1 Piece(s)	780581
	R05.4	Dark bronze	Powder	Y	2	M5X50	1 Piece(s)	780582
	R05.5	Bronze	Anodised	Y	2	M5X50	1 Piece(s)	780583
	R06.2M	Jet black, matt	Powder	Y	2	M5X50	1 Piece(s)	786716
	R07.2	Traffic white	Powder	Y	2	M5X50	1 Piece(s)	780584
	R07.3	Cream white	Powder	Y	2	M5X50	1 Piece(s)	780585



### 3.5.1.3 Outside escutcheon cover with standard handle and inside escutcheon cover with handle



#### Product description

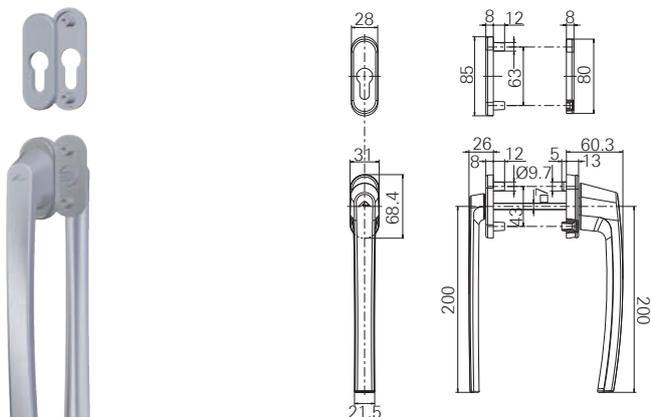
- Handle set with escutcheon-cover version
- Outside handle fix connected
- Outside flat handle with profile cylinder escutcheon cover
- Inside standard handle with profile cylinder escutcheon cover
- Concealed screw connection
- Lock-in position 90°
- 10-year functional warranty

#### Scope of delivery

- 2 window handles
- 2 profile cylinder escutcheon covers
- 4 fixing screws, can be shortened

100	R01.1	Silver	Anodised	Y	4	M5X100	1 Piece(s)	776119
	R05.3	Medium bronze	Anodised	Y	4	M5X100	1 Piece(s)	776120
	R05.4	Dark bronze	Powder	Y	4	M5X100	1 Piece(s)	776121
	R05.5	Bronze	Anodised	Y	4	M5X100	1 Piece(s)	776122
	R07.2	Traffic white	Powder	Y	4	M5X100	1 Piece(s)	776123

### 3.5.1.4 Outside escutcheon cover with flat handle and inside escutcheon cover with handle



#### Product description

- Handle set with escutcheon-cover version
- Outside handle fix connected
- Outside short-necked handle with profile cylinder escutcheon cover
- Inside standard handle with profile cylinder escutcheon cover
- Concealed screw connection
- Lock-in position 90°
- 10-year functional warranty

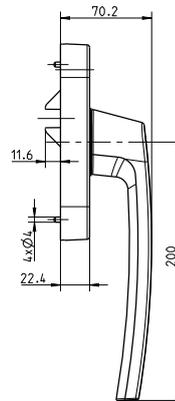
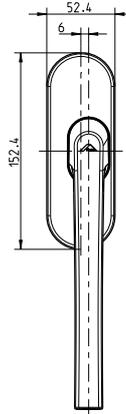
#### Scope of delivery

- 2 window handles
- 2 profile cylinder escutcheon covers
- 4 fixing screws, can be shortened

100	R01.1	Silver	Anodised	Y	4	M5X100	1 Piece(s)	786179	
	R01.5	Silver	Powder	Y	4	M5X100	1 Piece(s)	786221	
	R05.3	Medium bronze	Anodised	Y	4	M5X100	1 Piece(s)	786180	
	R05.4	Dark bronze	Powder	Y	4	M5X100	1 Piece(s)	786181	
	R05.5	Bronze	Anodised	Y	4	M5X100	1 Piece(s)	786182	
	R06.2M	Jet black, matt	Powder	Y	4	M5X100	1 Piece(s)	786222	
	R07.2	Traffic white	Powder	Y	4	M5X100	1 Piece(s)	786183	
	R07.3	Cream white	Powder	Y	4	M5X100	1 Piece(s)	786184	
135	R01.1	Silver	Anodised	Y	4	M5X110	1 Piece(s)	786225	
	R01.5	Silver	Powder	Y	4	M5X110	1 Piece(s)	786220	
	R05.3	Medium bronze	Anodised	Y	4	M5X110	1 Piece(s)	786226	
	R05.4	Dark bronze	Powder	Y	4	M5X110	1 Piece(s)	786227	
	R05.5	Bronze	Anodised	Y	4	M5X110	1 Piece(s)	786228	
	R06.2M	Jet black, matt	Powder	Y	4	M5X110	1 Piece(s)	786229	
	R07.2	Traffic white	Powder	Y	4	M5X110	1 Piece(s)	786230	
	R07.3	Cream white	Powder	Y	4	M5X110	1 Piece(s)	786219	



### 3.5.1.5 Geared-handle



#### Product description

- Lock-in position 90°
- 10-year functional warranty
- Special hardware components required for this handle. Please refer to the catalogue of the respective system for the required hardware component.

#### Scope of delivery

- 1 window handle
- 1 T connector set

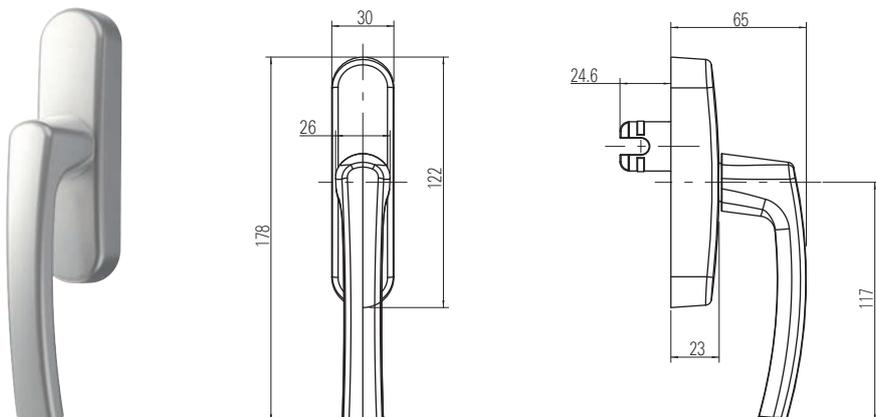


#### INFO

Scope of delivery for T connector set, see → *from page 133*

						Nº
Silver	R01.1	Anodised	Y	1 Piece(s)	Timber PVC	775936
Medium bronze	R05.3	Anodised	Y	1 Piece(s)		775937
Dark bronze	R05.4	Powder	Y	1 Piece(s)		775938
Bronze	R05.5	Anodised	Y	1 Piece(s)		775939
Traffic white	R07.2	Powder	Y	1 Piece(s)		775940
Cream white	R07.3	Powder	Y	1 Piece(s)		775942
Silver	R01.5	Powder	Y	1 Piece(s)	Aluminium	775916
Traffic white	R07.2	Powder	Y	1 Piece(s)		775917
Jet black, matt	R06.2M	Powder	Y	1 Piece(s)		775918
Dark bronze	R05.4	Anodised	Y	1 Piece(s)		775919
Raw	Roh	–	N	1 Piece(s)		775920

### 3.5.1.6 Geared-handle



#### Product description

- Basic handle without additional functions
- Lock-in position 90°

#### Scope of delivery

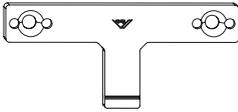
- 1 window handle
- Without fixing screws

								<b>Nº</b>
26	R01.5	Silver	Powder	-	-	Y	1 Piece(s)	786522
	R05.4	Dark bronze	Powder	-	-	Y	1 Piece(s)	786523
	R06.2M	Jet black, matt	Powder	-	-	Y	1 Piece(s)	786524
	R07.2	Traffic white	Powder	-	-	Y	1 Piece(s)	786535
	Roh	Raw	-	-	-	Y	1 Piece(s)	786541



### 3.5.1.7 T connector

Timber / PVC



#### Product description

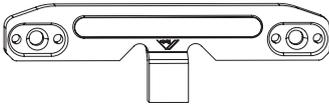
- Connector for connecting geared-handles
- For 13 mm axis
- Can be shortened, also for 9 mm axis

#### Scope of delivery

- 1 T connector
- 4 countersunk self-tapping screws with hexalobular drive
- 2 screws M5x12

		<b>Nº</b>
HK T carrier	1 Piece(s)	785865

### Aluminium



#### Product description

- Connector for connecting geared-handles

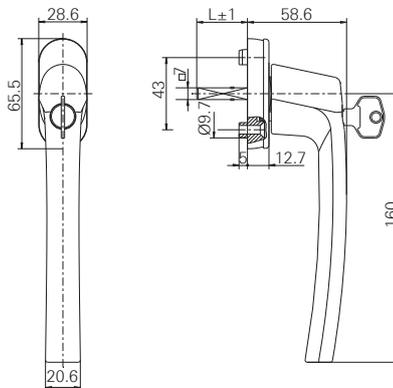
#### Scope of delivery

- 1 T connector
- 4 countersunk self-tapping screws with hexalobular drive
- 2 screws with hexalobular drive M5 x 25
- 2 screws with hexalobular drive M5 x 8
- 2 square nuts

		<b>Nº</b>
AL T carrier	1 Piece(s)	785866

## 3.5.2 Handles for Parallel Sliding and Tilt&Slide systems – Security

### 3.5.2.1 Inside handles, lockable, 100 Nm



#### Product description

- Lockable handle with tested torque of 100 Nm
- Locking: Push cylinder with turn-key
- Simple and quick locking by pushing down the cylinder
- It meets the requirements of DIN EN 1627-1630, RC1 – RC6
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

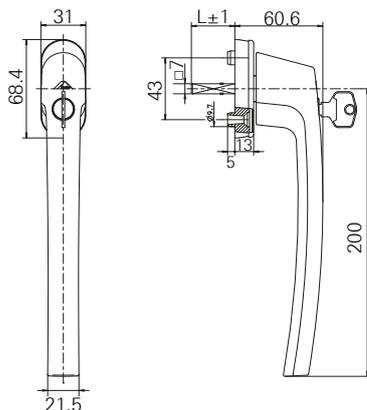
#### Scope of delivery

- 1 window handle
- 1 key
- Without fixing screws

43	R07.2	Traffic white	Powder	Y	–	–	1 Piece(s)	774105
	R01.1	Silver	Powder	Y	–	–	1 Piece(s)	773853
	R01.3	Titanium	Powder	Y	–	–	1 Piece(s)	773854
	R04.1	Grey brown	Powder	Y	–	–	1 Piece(s)	775173



### 3.5.2.2 Inside handle, 200 mm, lockable



#### Product description

- Lockable handle with tested torque of 100 Nm
- Locking: Push cylinder with turn-key
- Simple and quick locking by pushing down the cylinder
- It meets the requirements of DIN EN 1627-1630, RC1 – RC6
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- 1 key
- 2 fixing screws, can be shortened

32	R01.1	Silver	Anodised	Y	2	M5X40	1 Piece(s)	786719
	R01.2	Nickel silver	Anodised	Y	2	M5X40	1 Piece(s)	786720
	R01.3	Titanium	Anodised	Y	2	M5X40	1 Piece(s)	786732
	R01.5	Silver	Powder	Y	2	M5X40	1 Piece(s)	786733
	R05.3	Medium bronze	Anodised	Y	2	M5X40	1 Piece(s)	786397
	R05.4	Dark bronze	Powder	Y	2	M5X40	1 Piece(s)	786398
	R05.5	Bronze	Anodised	Y	2	M5X40	1 Piece(s)	787000
	R06.2M	Jet black, matt	Powder	Y	2	M5X40	1 Piece(s)	787002
	R07.2	Traffic white	Powder	Y	2	M5X40	1 Piece(s)	786399
R07.3	Cream white	Powder	Y	2	M5X40	1 Piece(s)	787001	
37	R01.1	Silver	Anodised	Y	2	M5X45	1 Piece(s)	780586
	R01.2	Nickel silver	Anodised	Y	2	M5X45	1 Piece(s)	786396
	R01.3	Titanium	Anodised	Y	2	M5X45	1 Piece(s)	780587
	R01.5	Silver	Powder	Y	2	M5X45	1 Piece(s)	786734
	R05.3	Medium bronze	Anodised	Y	2	M5X45	1 Piece(s)	780588
	R05.4	Dark bronze	Powder	Y	2	M5X45	1 Piece(s)	780589
	R05.5	Bronze	Anodised	Y	2	M5X45	1 Piece(s)	780590
	R06.2M	Jet black, matt	Powder	Y	2	M5X45	1 Piece(s)	787003
	R07.2	Traffic white	Powder	Y	2	M5X45	1 Piece(s)	780591
R07.3	Cream white	Powder	Y	2	M5X45	1 Piece(s)	780592	

**Roto Line**

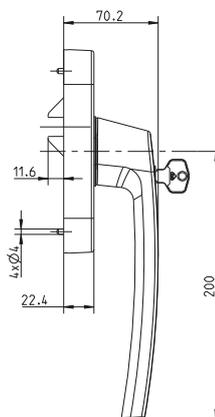
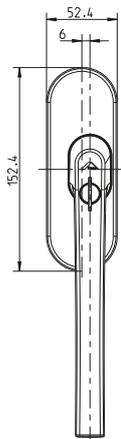
**Roto Patio Alversa**

Handles for Parallel Sliding and Tilt&Slide systems – Security

								Nº
43	R01.1	Silver	Anodised	Y	2	M5X50	1 Piece(s)	780593
	R01.2	Nickel silver	Anodised	Y	2	M5X45	1 Piece(s)	786730
	R01.3	Titanium	Anodised	Y	2	M5X50	1 Piece(s)	780594
	R01.5	Silver	Powder	Y	2	M5X50	1 Piece(s)	786755
	R05.3	Medium bronze	Anodised	Y	2	M5X50	1 Piece(s)	780595
	R05.4	Dark bronze	Powder	Y	2	M5X50	1 Piece(s)	780596
	R05.5	Bronze	Anodised	Y	2	M5X50	1 Piece(s)	780597
	R06.2M	Jet black, matt	Powder	Y	2	M5X50	1 Piece(s)	787004
	R07.2	Traffic white	Powder	Y	2	M5X50	1 Piece(s)	780598
R07.3	Cream white	Powder	Y	2	M5X50	1 Piece(s)	780599	



### 3.5.2.3 Geared-handle, lockable, 100 Nm



#### Product description

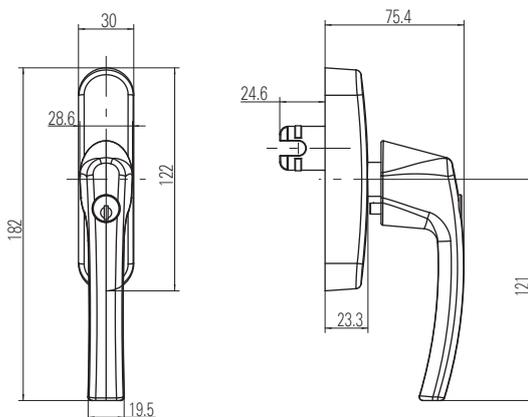
- Lockable handle with tested torque of 100 Nm
- Locking: Push cylinder with turn-key
- Simple and quick locking by pushing down the cylinder
- It meets the requirements of DIN EN 1627-1930, RC1 – RC6
- Special hardware components required for this handle.

#### Scope of delivery

- 1 window handle
- 1 T connector set

35	R01.1	Silver	Anodised	Y	4	–	1 Piece(s)	Timber PVC	775943	
	R05.3	Medium bronze	Anodised	Y	4	–	1 Piece(s)		775944	
	R05.4	Dark bronze	Powder	Y	4	–	1 Piece(s)		775945	
	R05.5	Bronze	Anodised	Y	4	–	1 Piece(s)		775946	
	R07.2	Traffic white	Powder	Y	4	–	1 Piece(s)		775947	
	R07.3	Cream white	Powder	Y	4	–	1 Piece(s)		775948	
	R01.5	Silver	Powder	Y	4	–	1 Piece(s)	Aluminium	775921	
	R05.4	Dark bronze	Anodised	Y	4	–	1 Piece(s)		775924	
	R06.2M	Jet black, matt	Powder	Y	4	–	1 Piece(s)		775923	
	R07.2	Traffic white	Anodised	Y	4	–	1 Piece(s)		775922	

### 3.5.2.4 Geared-handle, lockable, 100 Nm



#### Product description

- Lockable handle with tested torque of 100 Nm
- Locking: Push cylinder with turn-key
- Lock-in position 90°

#### Scope of delivery

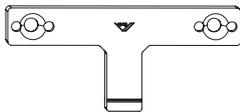
- 1 window handle
- 2 key
- Without fixing screws

26	R01.5	Silver	Powder	Y	-	-	1 Piece(s)	786536	
	R05.4	Dark bronze	Powder	Y	-	-	1 Piece(s)	786537	
	R06.2M	Jet black, matt	Powder	Y	-	-	1 Piece(s)	786538	
	R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	786539	
	Roh	Raw	-	Y	-	-	1 Piece(s)	786540	



### 3.5.2.5 T connector

Timber / PVC



#### Product description

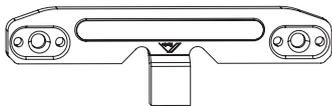
- Connector for connecting geared-handles
- For 13 mm axis
- Can be shortened, also for 9 mm axis

#### Scope of delivery

- 1 T connector
- 4 countersunk self-tapping screws with hexalobular drive
- 2 screws M5x12

		<b>Nº</b>
HK T carrier	1 Piece(s)	785865

### Aluminium



#### Product description

- Connector for connecting geared-handles

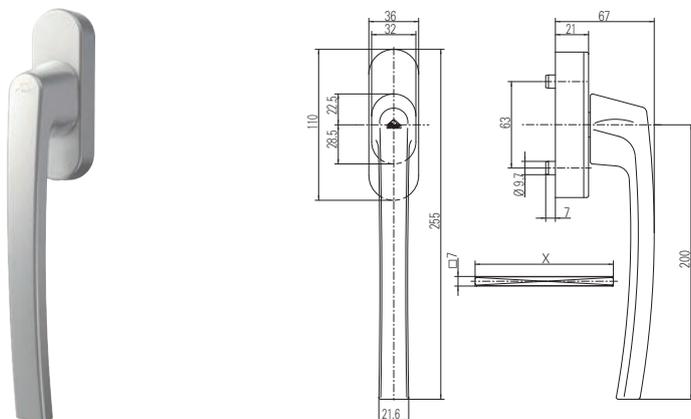
#### Scope of delivery

- 1 T connector
- 4 countersunk self-tapping screws with hexalobular drive
- 2 screws with hexalobular drive M5 x 25
- 2 screws with hexalobular drive M5 x 8
- 2 square nuts

		<b>Nº</b>
AL T carrier	1 Piece(s)	785866

## 3.6 Roto Patio Life

### 3.6.1 Sliding door handles – Standard



#### Product description

- Basic handle without additional functions
- Lock-in position 90°
- 10-year functional warranty

#### Scope of delivery

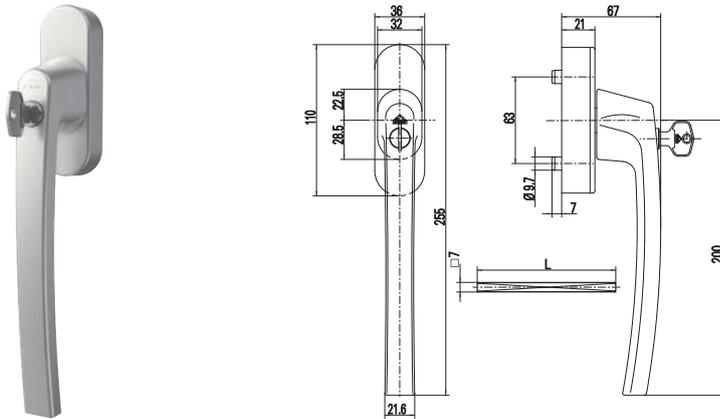
- 1 window handle
- 1 spindle
- 2 fixing screws

100	R01.1	Silver	Anodised	Y	2	M5X100	1 Piece(s)	494447	
	R01.3	Titanium	Anodised	Y	2	M5X100	1 Piece(s)	640344	
	R05.3	Medium bronze	Anodised	Y	2	M5X100	1 Piece(s)	494448	
	R07.2	Traffic white	Powder	Y	2	M5X100	1 Piece(s)	494449	
150	R01.1	Silver	Anodised	Y	2	M5X110	1 Piece(s)	603596	
	R05.3	Medium bronze	Anodised	Y	2	M5X110	1 Piece(s)	603597	
	R05.5	Bronze	Anodised	Y	2	M5X110	1 Piece(s)	614576	
	R07.2	Traffic white	Powder	Y	2	M5X110	1 Piece(s)	603598	



## 3.6.2 Sliding door handles – Security

### 3.6.2.1 Lockable 40 Nm



#### Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- Locking: Push cylinder with turn-key
- Equipped for locking and unlocking
- Operable if handle is unlocked
- Lock-in position 90°
- 10-year functional warranty

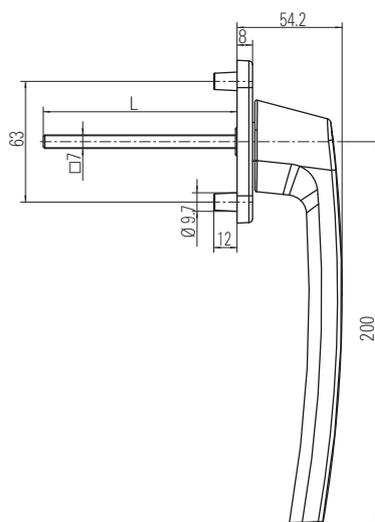
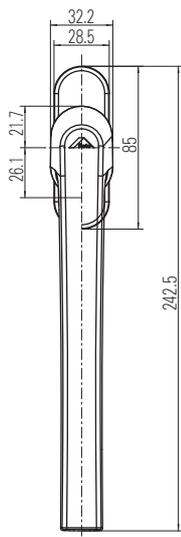
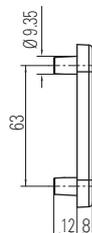
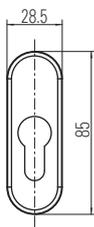
#### Scope of delivery

- 1 window handle
- 1 spindle
- 1 key
- 2 fixing screws, can be shortened

100	R01.1	Silver	Anodised	Y	2	M5X100	1 Piece(s)	494450	
	R01.3	Titanium	Anodised	Y	2	M5X100	1 Piece(s)	614247	
	R05.3	Medium bronze	Anodised	Y	2	M5X100	1 Piece(s)	494451	
	R07.2	Traffic white	Powder	Y	2	M5X100	1 Piece(s)	494452	
150	R01.1	Silver	Anodised	Y	2	M5X110	1 Piece(s)	603599	
	R05.3	Medium bronze	Anodised	Y	2	M5X110	1 Piece(s)	603600	
	R05.5	Bronze	Anodised	Y	2	M5X110	1 Piece(s)	614577	
	R07.2	Traffic white	Powder	Y	2	M5X110	1 Piece(s)	603601	

### 3.6.3 Sliding door handles – Set

#### 3.6.3.1 Outside escutcheon cover with handle



#### Product description

- Basic handle without additional functions
- Screws can be shortened
- 10-year functional warranty

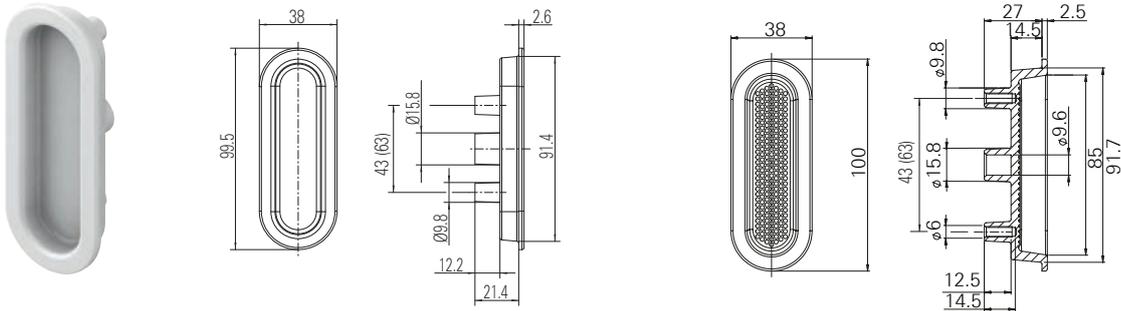
#### Scope of delivery

- 1 window handle
- 1 profile cylinder escutcheon cover
- 2 fixing screws, can be shortened

100	R01.1	Silver	Anodised	Y	2	M5X100	10 Piece(s)	494453
	R01.3	Titanium	Anodised	Y	2	M5X100	10 Piece(s)	734005
	R05.3	Medium bronze	Anodised	Y	2	M5X100	10 Piece(s)	494454
	R07.2	Traffic white	Powder	Y	2	M5X100	10 Piece(s)	494465
150	R01.1	Silver	Anodised	Y	2	M5X110	10 Piece(s)	603602
	R05.3	Medium bronze	Anodised	Y	2	M5X110	10 Piece(s)	603603
	R05.5	Bronze	Anodised	Y	2	M5X110	10 Piece(s)	614578
	R07.2	Traffic white	Powder	Y	2	M5X110	10 Piece(s)	603604



### 3.6.3.2 Outside recessed grip



#### Product description

- To be routed in
- 10-year functional warranty

#### Scope of delivery

- 1 recessed grip

#### Recessed grip, standard

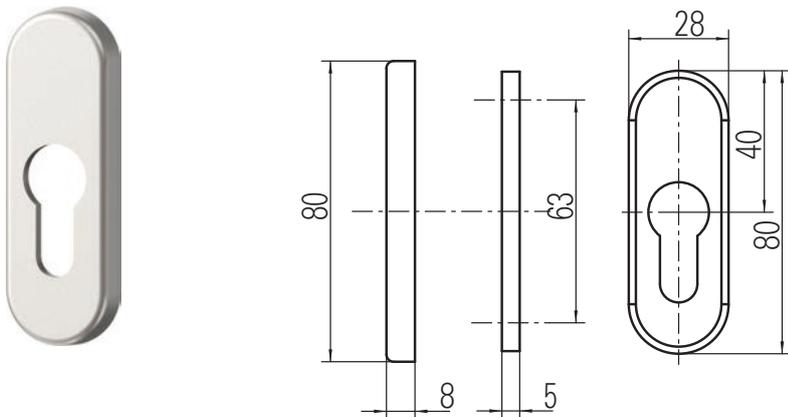
								<b>Nº</b>
43	R01.1	Silver	Anodised	N	–	–	10 Piece(s)	494472
	R01.3	Titanium	Anodised	N	–	–	10 Piece(s)	623221
	R05.3	Medium bronze	Anodised	N	–	–	10 Piece(s)	494473
	R05.5	Bronze	Anodised	N	–	–	10 Piece(s)	614625
	R07.2	Traffic white	Powder	N	–	–	10 Piece(s)	494474
	Roh	Raw	–	N	–	–	10 Piece(s)	387935
63	R01.1	Silver	Anodised	N	–	–	10 Piece(s)	494469
	R01.3	Titanium	Anodised	N	–	–	10 Piece(s)	623261
	R05.3	Medium bronze	Anodised	N	–	–	10 Piece(s)	494470
	R05.5	Bronze	Anodised	N	–	–	10 Piece(s)	614626
	R07.2	Traffic white	Powder	N	–	–	10 Piece(s)	494471
	Roh	Raw	–	N	–	–	10 Piece(s)	627912

#### Recessed grip, deep

								<b>Nº</b>
63	R01.1	Silver	Anodised	N	–	–	10 Piece(s)	623550
	R05.3	Medium bronze	Anodised	N	–	–	10 Piece(s)	623551
	R07.2	Traffic white	Powder	N	–	–	10 Piece(s)	623552

### 3.6.4 Accessories

#### 3.6.4.1 Inside escutcheon cover



#### Product description

- Profile cylinder escutcheon cover inside
- 10-year functional warranty

#### Scope of delivery

- 1 profile cylinder escutcheon cover

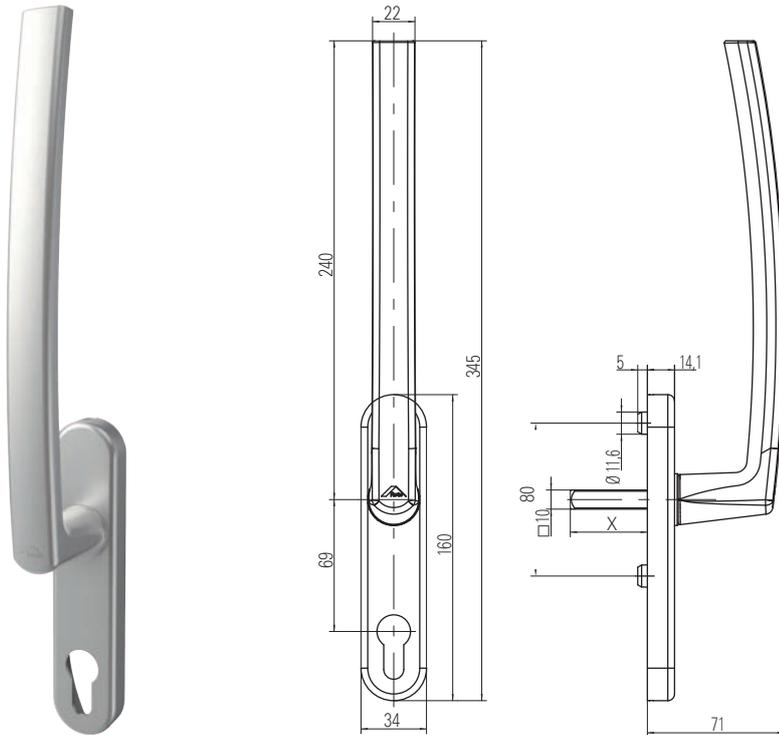
								<b>Nº</b>
43	R01.1	Silver	Anodised	N	-	-	10 Piece(s)	494466
	R01.3	Titanium	Anodised	N	-	-	10 Piece(s)	228260
	R05.3	Medium bronze	Anodised	N	-	-	10 Piece(s)	494467
	R07.2	Traffic white	Powder	N	-	-	10 Piece(s)	258952



## 3.7 Roto Patio Lift

### 3.7.1 Lift&Slide door handles – Standard

#### 3.7.1.1 Inside handle



#### Product description

- Basic handle without additional functions
- Long handle lever
- With and without profile-cylinder hole
- Lock-in position 180 °

#### Scope of delivery

- 1 window handle
- 2 fixing screws, can be shortened



#### INFO

Profile cylinder not included in delivery scope.

**With profile-cylinder hole**

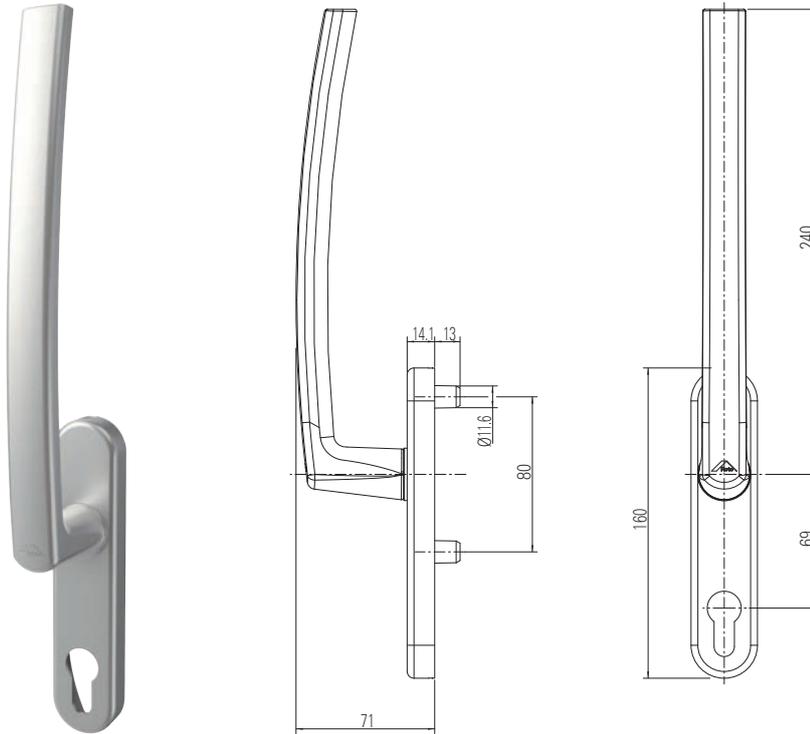
								N <sup>o</sup>
40	R01.1	Silver	Anodised	Y	2	M5X110	1 Piece(s)	635141
	R06.2M	Jet black, matt	Powder	Y	2	M5X110	1 Piece(s)	635140
	R07.2	Traffic white	Powder	Y	2	M5X110	1 Piece(s)	635139
	Roh	Raw	–	N	2	M5X110	1 Piece(s)	635143
190	R01.1	Silver	Anodised	Y	2	M5X110	1 Piece(s)	635131
	R06.2M	Jet black, matt	Powder	Y	2	M5X110	1 Piece(s)	635130
	R07.2	Traffic white	Powder	Y	2	M5X110	1 Piece(s)	635129
	Roh	Raw	–	N	2	M5X110	1 Piece(s)	635133

**Without profile-cylinder hole**

								N <sup>o</sup>
40	R01.1	Silver	Anodised	Y	2	M5X110	1 Piece(s)	635146
	R01.3	Titanium	Anodised	Y	2	M5X110	1 Piece(s)	643638
	R06.2M	Jet black, matt	Powder	Y	2	M5X110	1 Piece(s)	635145
	R07.2	Traffic white	Powder	Y	2	M5X110	1 Piece(s)	635144
	Roh	Raw	–	N	2	M5X110	1 Piece(s)	635148



### 3.7.1.2 Outside handle



#### Product description

- Basic handle without additional functions
- Lock-in position 90°
- 10-year functional warranty

#### Scope of delivery

- 1 window handle
- Without fixing screws



#### INFO

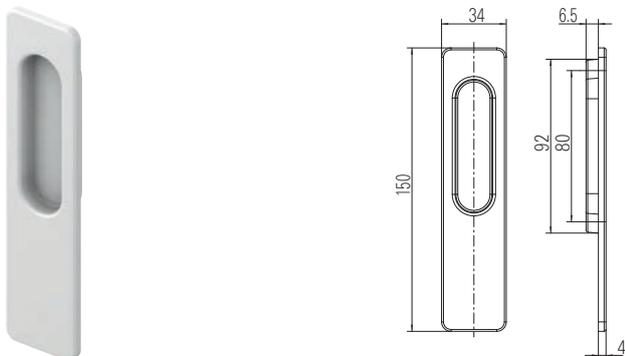
Profile cylinder not included in delivery scope.

#### With profile-cylinder hole

–	R01.1	Silver	Anodised	Y	–	–	10 Piece(s)	635136
	R06.2M	Jet black, matt	Powder	Y	–	–	10 Piece(s)	635135
	R07.2	Traffic white	Powder	Y	–	–	10 Piece(s)	635134
	Roh	Raw	–	N	–	–	10 Piece(s)	635138

### 3.7.2 Lift&Slide door handles – Half set (outside)

#### 3.7.2.1 Outside recessed grip, angular, 7 mm



#### Product description

- Outside handle
- Screw connection with inside handle

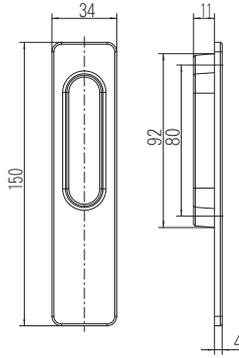
#### Scope of delivery

- 1 recessed grip

							N <sup>o</sup>
R01.1	Silver	Anodised	N	–	–	10 Piece(s)	635151
R06.2M	Jet black, matt	Powder	N	–	–	10 Piece(s)	635150
R07.2	Traffic white	Powder	N	–	–	10 Piece(s)	635149
Roh	Raw	–	N	–	–	10 Piece(s)	635153



### 3.7.2.2 Outside recessed grip, angular, 11 mm



#### Product description

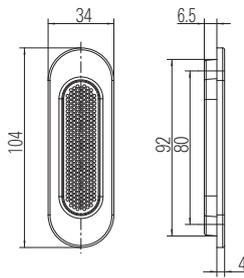
- Outside handle
- Screw connection with inside handle

#### Scope of delivery

- 1 recessed grip

							N <sup>o</sup>
R01.1	Silver	Anodised	N	–	–	10 Piece(s)	635156
R06.2M	Jet black, matt	Powder	N	–	–	10 Piece(s)	635155
R07.2	Traffic white	Powder	N	–	–	10 Piece(s)	635154
Roh	Raw	–	N	–	–	10 Piece(s)	635158

**3.7.2.3 Outside recessed grip, oval, 7 mm**



**Product description**

- Outside handle
- Screw connection with inside handle

**Scope of delivery**

- 1 recessed grip

							<b>Nº</b>
R01.1	Silver	Anodised	N	-	-	10 Piece(s)	635161
R06.2M	Jet black, matt	Powder	N	-	-	10 Piece(s)	635160
R07.2	Traffic white	Powder	N	-	-	10 Piece(s)	635159
Roh	Raw	-	N	-	-	10 Piece(s)	635163



### 3.8 Roto Inline

Roto Line sliding handles offer the customer the best-possible flexibility for use: Three inside handle versions and four outside handle versions can be combined individually depending on taste. Each handle version is available in seven standard colours and also uncoated. It is possible to combine different colours for inside and outside.

Roto Line sliding handles convince with their optimised technology and their excellent stability which is achieved by the metal operating lever.

Assembly is simple: Using the components from the accessories box, connect the inside and outside handles. For safety reasons, the fixing of the outside handle is covered so that the handle cannot be removed.

This three-part system can be used for profile depths from 38–77 mm.

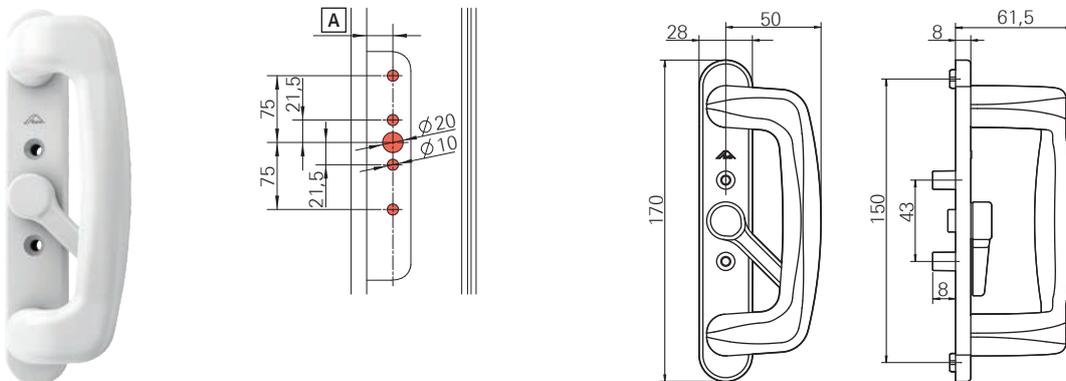
Depending on the preferred handle combination, different accessory kits need to be used:

Inside handle / Outside handle			
	→ 3.8.2.1 "Accessory kit type 1" from page 160	→ 3.8.2.1 "Accessory kit type 1" from page 160	→ 3.8.2.1 "Accessory kit type 1" from page 160
	→ 3.8.2.2 "Accessory kit type 2" from page 160	→ 3.8.2.2 "Accessory kit type 2" from page 160	→ 3.8.2.2 "Accessory kit type 2" from page 160
	→ 3.8.2.2 "Accessory kit type 2" from page 160	→ 3.8.2.2 "Accessory kit type 2" from page 160	→ 3.8.2.2 "Accessory kit type 2" from page 160
	–	–	→ 3.8.2.3 "Accessory kit type 3" from page 160

### 3.8.1 Sliding handle windows and doors – Half set

#### 3.8.1.1 Inside handle

Without cylinder, with lever



Assignment	Meaning
[A]	Backset



#### Product description

- Short plate
- Simple locking via lever

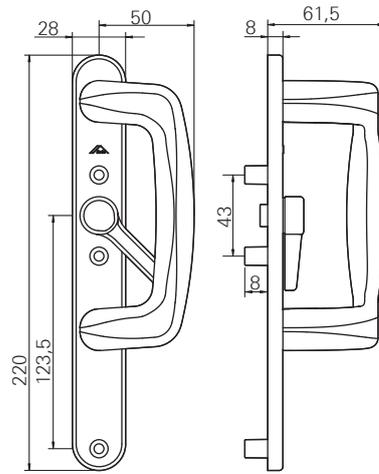
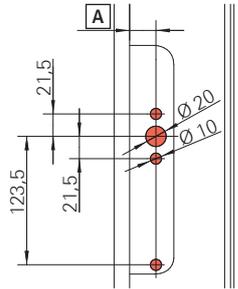
#### Scope of delivery

- 1 window handle
- Without fixing screws

							Nº
R01.4	Chromium	Metallic	Y	-	-	1 Piece(s)	613220
R01.5	Silver	Powder	Y	-	-	1 Piece(s)	613222
R03.2	Gold	Metallic	Y	-	-	1 Piece(s)	613223
R04.1	Grey brown	Powder	Y	-	-	1 Piece(s)	613224
R06.2	Jet black	Powder	Y	-	-	1 Piece(s)	613225
R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	613226
R07.3	Cream white	Powder	Y	-	-	1 Piece(s)	613227
Roh	Raw	-	Y	-	-	1 Piece(s)	613228



**Without cylinder, with lever and long-plate**



Assignment	Meaning
[A]	Backset



**Product description**

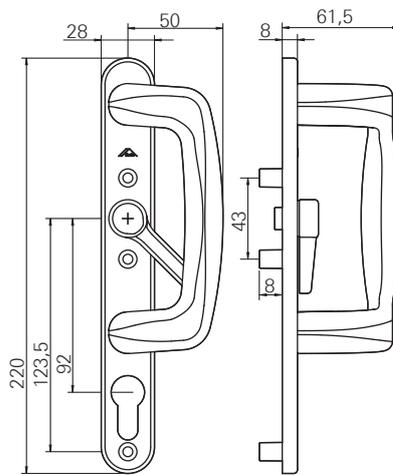
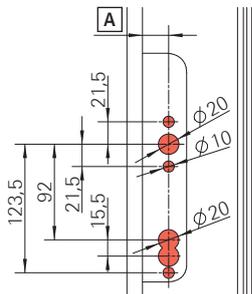
- Long-plate
- Simple locking via lever

**Scope of delivery**

- 1 window handle
- Without fixing screws

							No
R01.4	Chromium	Metallic	Y	-	-	1 Piece(s)	613229
R01.5	Silver	Powder	Y	-	-	1 Piece(s)	613230
R03.2	Gold	Metallic	Y	-	-	1 Piece(s)	613231
R04.1	Grey brown	Powder	Y	-	-	1 Piece(s)	613232
R06.2	Jet black	Powder	Y	-	-	1 Piece(s)	613233
R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	613234
R07.3	Cream white	Powder	Y	-	-	1 Piece(s)	613235
Roh	Raw	-	Y	-	-	1 Piece(s)	613237

**With cylinder and lever**



Assignment	Meaning
[A]	Backset



**Product description**

- Long-plate
- Simple locking via lever
- Prepared for profile cylinder

**Scope of delivery**

- 1 window handle
- Without fixing screws



**INFO**

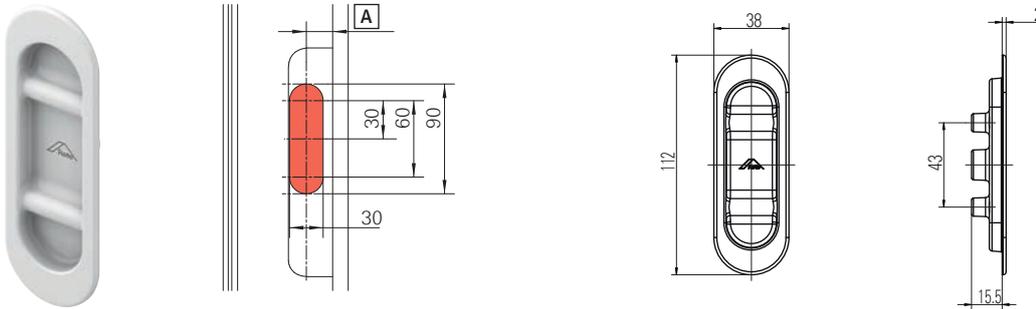
Profile cylinder not included in delivery scope.

							Nº
R01.4	Chromium	Metallic	Y	-	-	1 Piece(s)	613238
R01.5	Silver	Powder	Y	-	-	1 Piece(s)	613239
R03.2	Gold	Metallic	Y	-	-	1 Piece(s)	613240
R04.1	Grey brown	Powder	Y	-	-	1 Piece(s)	613241
R06.2	Jet black	Powder	Y	-	-	1 Piece(s)	613242
R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	613243
R07.3	Cream white	Powder	Y	-	-	1 Piece(s)	613244
Roh	Raw	-	Y	-	-	1 Piece(s)	613245



### 3.8.1.2 Outside handle

#### Recessed grip



Assignment	Meaning
[A]	Backset



#### Product description

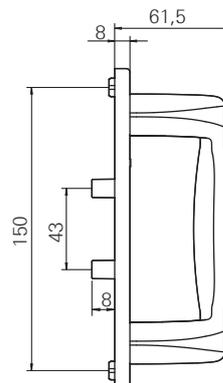
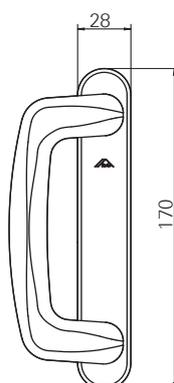
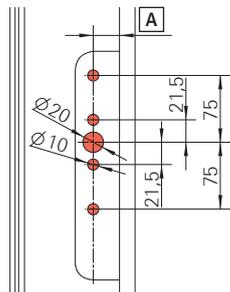
- Outside handle
- Screw connection with inside handle

#### Scope of delivery

- 1 recessed grip
- Without fixing screws

							Nº
R01.4	Chromium	Metallic	Y	-	-	1 Piece(s)	613182
R01.5	Silver	Powder	Y	-	-	1 Piece(s)	613183
R03.2	Gold	Metallic	Y	-	-	1 Piece(s)	613184
R04.1	Grey brown	Powder	Y	-	-	1 Piece(s)	613185
R06.2	Jet black	Powder	Y	-	-	1 Piece(s)	605551
R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	605543
R07.3	Cream white	Powder	Y	-	-	1 Piece(s)	608183
Roh	Raw	-	Y	-	-	1 Piece(s)	487261

**Without cylinder**



Assignment	Meaning
[A]	Backset



**Product description**

- Short plate

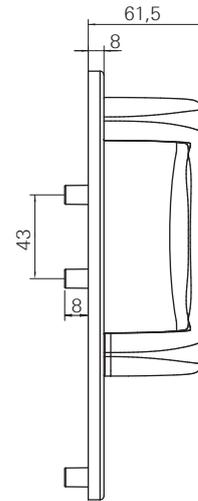
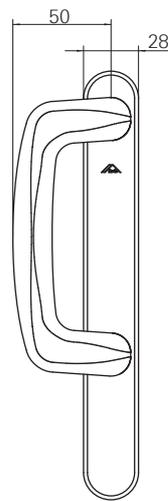
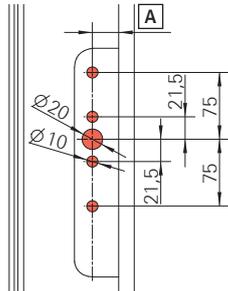
**Scope of delivery**

- 1 window handle
- Without fixing screws

							Nº
R01.4	Chromium	Metallic	Y	-	-	1 Piece(s)	613186
R01.5	Silver	Powder	Y	-	-	1 Piece(s)	613187
R03.2	Gold	Metallic	Y	-	-	1 Piece(s)	613188
R04.1	Grey brown	Powder	Y	-	-	1 Piece(s)	613189
R06.2	Jet black	Powder	Y	-	-	1 Piece(s)	613190
R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	613191
R07.3	Cream white	Powder	Y	-	-	1 Piece(s)	613192
Roh	Raw	-	Y	-	-	1 Piece(s)	613193



**Without cylinder, with long-plate**



Assignment	Meaning
[A]	Backset



**Product description**

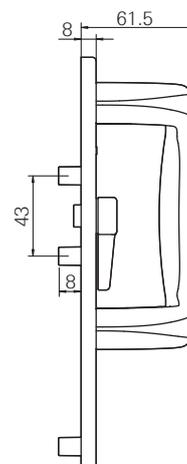
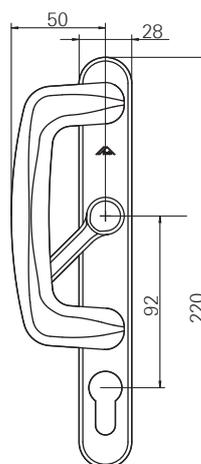
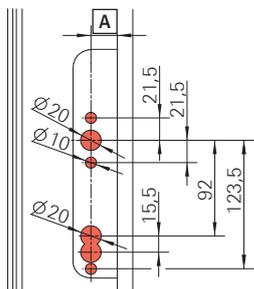
- Short plate

**Scope of delivery**

- 1 window handle
- Without fixing screws

							Nº
R01.4	Chromium	Metallic	Y	-	-	1 Piece(s)	613194
R01.5	Silver	Powder	Y	-	-	1 Piece(s)	613195
R03.2	Gold	Metallic	Y	-	-	1 Piece(s)	613196
R04.1	Grey brown	Powder	Y	-	-	1 Piece(s)	613197
R06.2	Jet black	Powder	Y	-	-	1 Piece(s)	613198
R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	613199
R07.3	Cream white	Powder	Y	-	-	1 Piece(s)	613200
Roh	Raw	-	Y	-	-	1 Piece(s)	613201

**With cylinder and lever**



Assignment	Meaning
[A]	Backset



**Product description**

- Long-plate
- Simple locking via lever
- Prepared for profile cylinder

**Scope of delivery**

- 1 window handle
- Without fixing screws



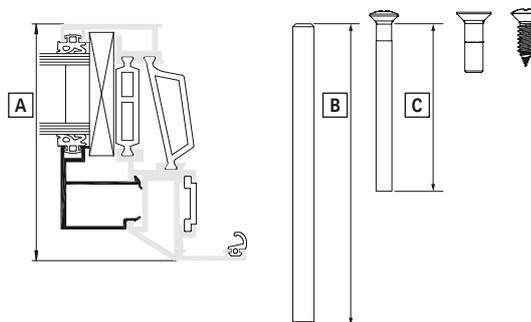
**INFO**

Profile cylinder not included in delivery scope.

							<b>Nº</b>
R01.4	Chromium	Metallic	Y	-	-	1 Piece(s)	613202
R01.5	Silver	Powder	Y	-	-	1 Piece(s)	613203
R03.2	Gold	Metallic	Y	-	-	1 Piece(s)	613204
R04.1	Grey brown	Powder	Y	-	-	1 Piece(s)	613215
R06.2	Jet black	Powder	Y	-	-	1 Piece(s)	613216
R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	613217
R07.3	Cream white	Powder	Y	-	-	1 Piece(s)	613218
Roh	Raw	-	Y	-	-	1 Piece(s)	613219



### 3.8.2 Accessories



Assignment	Meaning
[A]	Sash profile depth (example AL)
[B]	Length 1 (spindle)
[C]	Length 2 (countersunk head screws)



#### Product description

- Accessory parts to connect outside and inside handles

#### Delivery scope type 1

- 1 spindle
- 2 countersunk head screws; screw connection of inside handle and outside handle
- 1 pan-head tapping screw; bottom screw hole, if long and short handle have to be combined (no screw hole on the opposite side).
- 2 countersunk screws; fastening the pull handle to the plate.

#### Delivery scope type 2

- 1 spindle
- 3 countersunk head screws; screw connection of inside handle and outside handle
- 1 pan-head tapping screw; bottom screw hole, if long and short handle have to be combined (no screw hole on the opposite side).
- 4 countersunk screws; fastening the pull handle to the plate.

#### Delivery scope type 3

- 1 spindle
- 3 countersunk head screws; screw connection of inside handle and outside handle
- 4 countersunk screws; fastening the pull handle to the plate.

### 3.8.2.1 Accessory kit type 1

		Nº
72 – 76	Length 1: 80 mm   length 2: 75 mm	613168
67 – 71	Length 1: 70 mm   length 2: 70 mm	613169
62 – 66	Length 1: 70 mm   length 2: 65 mm	613170
67 – 61	Length 1: 60 mm   length 2: 60 mm	613171
51 – 56	Length 1: 60 mm   length 2: 55 mm	613172
46 – 50	Length 1: 50 mm   length 2: 50 mm	613173

### 3.8.2.2 Accessory kit type 2

		Nº
68 – 77	Length 1: 87 mm   length 2: 80 mm	613174
58 – 67	Length 1: 77 mm   length 2: 70 mm	613175
48 – 57	Length 1: 67 mm   length 2: 60 mm	613176
38 – 47	Length 1: 57 mm   length 2: 50 mm	613177

### 3.8.2.3 Accessory kit type 3

		Nº
68 – 77	Length 1: 100 mm   length 2: 80 mm	613178
58 – 67	Length 1: 90 mm   length 2: 70 mm	613179
48 – 57	Length 1: 80 mm   length 2: 60 mm	613180
38 – 47	Length 1: 70 mm   length 2: 50 mm	613181



## Roto Samba







Roto NT

Window handles – Standard	167
Window handles – Security	169
Balcony door handles	174

## 4 Roto Samba

Roto Samba spans the range between a classical and modern aesthetic.



Following the design principle form follows function, Roto Samba is ergonomically perfectly formed with its semi-circular handle back side and the arched front side to support the thumb. A hollow for the index finger ensures a defined grip position and comfortable handling. This means the handle can be gripped optimally in each position which ensures comfortable handle operation.



Meaning of the pictograms:

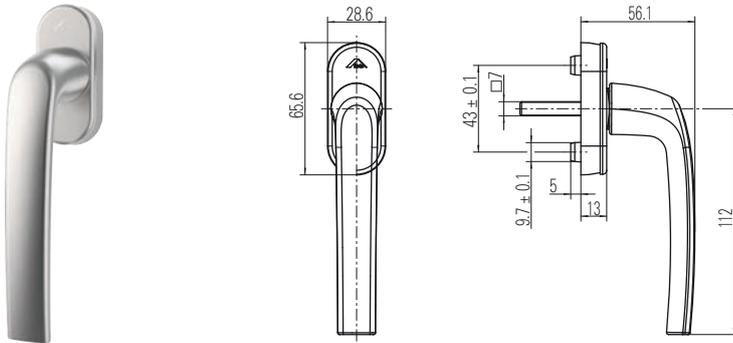
Spindle length (in mm)	Colour code (Roto colour designation)	Colour	Design element   Cover   Escutcheon cover	Surface-finish (with respect to handle lever)	Roto logo	Number of screws	Type of screws (diameter x length)	Packaging quantity (in pieces)	Material number



## 4.1 Roto NT

### 4.1.1 Window handles – Standard

#### 4.1.1.1 Standard window handles



#### Product description

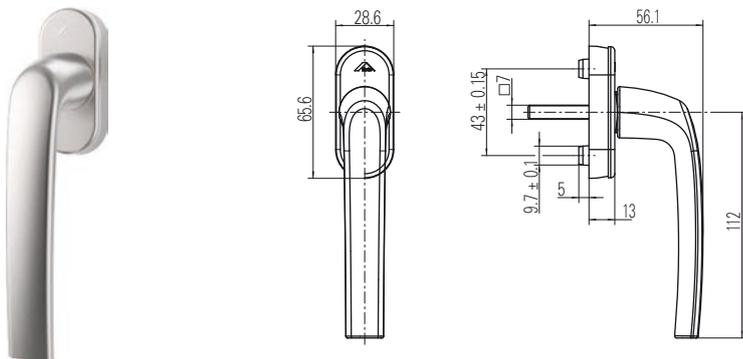
- Basic handle without additional functions
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- 2 fixing screws

32	R01.1	Silver	Anodised	Y	2	M5X40	100 Piece(s)	639648	
	R01.3	Titanium	Anodised	Y	2	M5X40	100 Piece(s)	639667	
	R03.1	Brass, matt	Anodised	Y	2	M5X40	100 Piece(s)	639651	
	R04.1	Grey brown	Powder	Y	2	M5X40	100 Piece(s)	639645	
	R05.5	Bronze	Anodised	Y	2	M5X40	100 Piece(s)	639654	
	R07.2	Traffic white	Powder	Y	2	M5X40	100 Piece(s)	639621	
37	R01.1	Silver	Anodised	Y	2	M5X45	100 Piece(s)	639649	
	R01.3	Titanium	Anodised	Y	2	M5X45	100 Piece(s)	639668	
	R03.1	Brass, matt	Anodised	Y	2	M5X45	100 Piece(s)	639652	
	R04.1	Grey brown	Powder	Y	2	M5X45	100 Piece(s)	639646	
	R05.5	Bronze	Anodised	Y	2	M5X45	100 Piece(s)	639665	
	R07.2	Traffic white	Powder	Y	2	M5X45	100 Piece(s)	639623	
43	R01.1	Silver	Anodised	Y	2	M5X50	100 Piece(s)	639650	
	R01.3	Titanium	Anodised	Y	2	M5X50	100 Piece(s)	639669	
	R03.1	Brass, matt	Anodised	Y	2	M5X50	100 Piece(s)	639653	
	R04.1	Grey brown	Powder	Y	2	M5X50	100 Piece(s)	639647	
	R05.5	Bronze	Anodised	Y	2	M5X50	100 Piece(s)	639666	
	R07.2	Traffic white	Powder	Y	2	M5X50	100 Piece(s)	639624	

### 4.1.1.2 Standard window handles for night ventilation



#### Product description

- Basic handle without additional functions
- Lock-in position 90°, lock-in position 45° for night ventilation
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

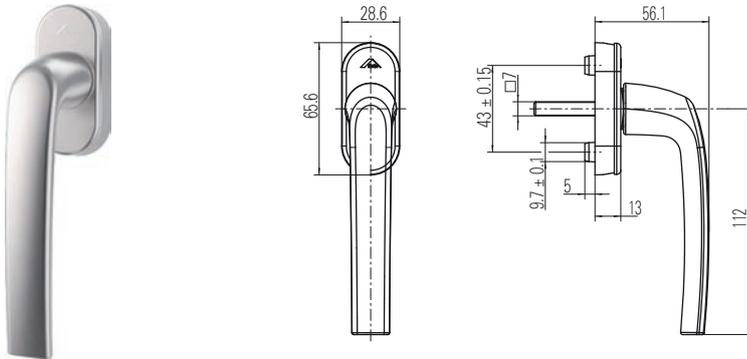
- 1 window handle
- 2 fixing screws

32	R01.1	Silver	Anodised	Y	2	M5X40	100 Piece(s)	639676	
	R01.3	Titanium	Anodised	Y	2	M5X40	100 Piece(s)	639695	
	R03.1	Brass, matt	Anodised	Y	2	M5X40	100 Piece(s)	639679	
	R04.1	Grey brown	Powder	Y	2	M5X40	100 Piece(s)	639673	
	R05.5	Bronze	Anodised	Y	2	M5X40	100 Piece(s)	639682	
	R07.2	Traffic white	Powder	Y	2	M5X40	100 Piece(s)	639670	
37	R01.1	Silver	Anodised	Y	2	M5X45	100 Piece(s)	639677	
	R01.3	Titanium	Anodised	Y	2	M5X45	100 Piece(s)	639696	
	R03.1	Brass, matt	Anodised	Y	2	M5X45	100 Piece(s)	639680	
	R04.1	Grey brown	Powder	Y	2	M5X45	100 Piece(s)	639674	
	R05.5	Bronze	Anodised	Y	2	M5X45	100 Piece(s)	639683	
	R07.2	Traffic white	Powder	Y	2	M5X45	100 Piece(s)	639671	
43	R01.1	Silver	Anodised	Y	2	M5X50	100 Piece(s)	639678	
	R01.3	Titanium	Anodised	Y	2	M5X50	100 Piece(s)	639697	
	R03.1	Brass, matt	Anodised	Y	2	M5X50	100 Piece(s)	639681	
	R04.1	Grey brown	Powder	Y	2	M5X50	100 Piece(s)	639675	
	R05.5	Bronze	Anodised	Y	2	M5X50	100 Piece(s)	639684	
	R07.2	Traffic white	Powder	Y	2	M5X50	100 Piece(s)	639672	



## 4.1.2 Window handles – Security

### 4.1.2.1 Secustik® window handles



#### Product description

- Handle with automatic locking
- Security against manipulation from outside
- Patented blocking mechanism is part of the integrated basic security
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- 2 fixing screws

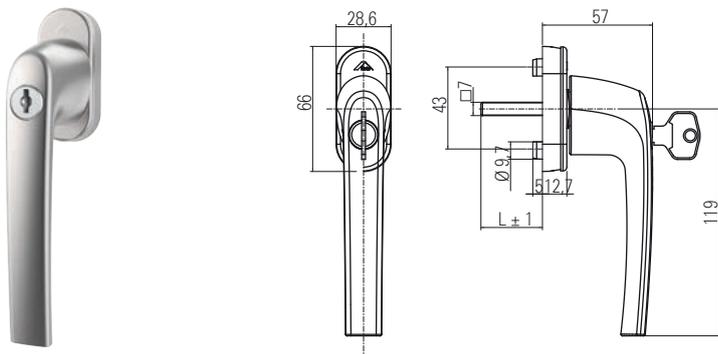


#### INFO

Further information → *from page 24*

32	R01.1	Silver	Anodised	Y	2	M5X40	80 Piece(s)	639704	
	R01.3	Titanium	Anodised	Y	2	M5X40	80 Piece(s)	639715	
	R04.1	Grey brown	Powder	Y	2	M5X40	80 Piece(s)	639701	
	R05.5	Bronze	Anodised	Y	2	M5X40	80 Piece(s)	639712	
	R07.2	Traffic white	Powder	Y	2	M5X40	80 Piece(s)	639698	
37	R01.1	Silver	Anodised	Y	2	M5X50	80 Piece(s)	639706	
	R01.3	Titanium	Anodised	Y	2	M5X50	80 Piece(s)	639716	
	R03.1	Brass, matt	Anodised	Y	2	M5X50	80 Piece(s)	639710	
	R04.1	Grey brown	Powder	Y	2	M5X50	80 Piece(s)	639702	
	R05.5	Bronze	Anodised	Y	2	M5X50	80 Piece(s)	639713	
	R07.2	Traffic white	Powder	Y	2	M5X50	80 Piece(s)	639699	
43	R01.1	Silver	Anodised	Y	2	M5X55	80 Piece(s)	639707	
	R01.3	Titanium	Anodised	Y	2	M5X55	80 Piece(s)	639717	
	R03.1	Brass, matt	Anodised	Y	2	M5X55	80 Piece(s)	639711	
	R04.1	Grey brown	Powder	Y	2	M5X55	80 Piece(s)	639703	
	R05.5	Bronze	Anodised	Y	2	M5X55	80 Piece(s)	639714	
	R07.2	Traffic white	Powder	Y	2	M5X55	80 Piece(s)	639700	

### 4.1.2.2 Window handles, lockable, 40 Nm



#### Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- Locking: Push cylinder with turn-key
- Equipped for locking and unlocking
- Operable if handle is unlocked
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

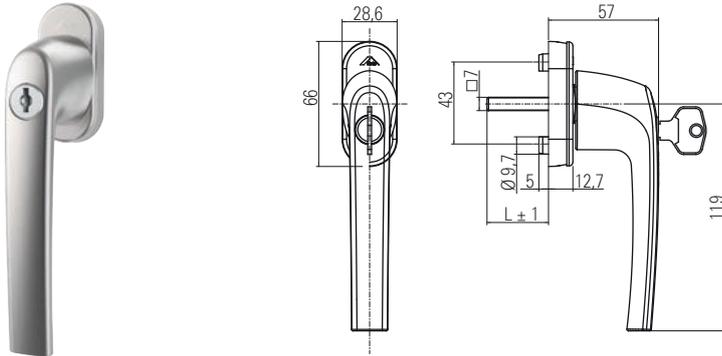
#### Scope of delivery

- 1 window handle
- 1 key
- 2 fixing screws

32	R01.1	Silver	Anodised	Y	2	M5X40	40 Piece(s)	639693	
	R01.3	Titanium	Anodised	Y	2	M5X40	40 Piece(s)	639744	
	R04.1	Grey brown	Powder	Y	2	M5X40	40 Piece(s)	639721	
	R05.5	Bronze	Anodised	Y	2	M5X40	40 Piece(s)	639741	
	R07.2	Traffic white	Powder	Y	2	M5X40	40 Piece(s)	639718	
37	R01.1	Silver	Anodised	Y	2	M5X45	40 Piece(s)	639694	
	R01.3	Titanium	Anodised	Y	2	M5X45	40 Piece(s)	639745	
	R04.1	Grey brown	Powder	Y	2	M5X45	40 Piece(s)	639722	
	R05.5	Bronze	Anodised	Y	2	M5X45	40 Piece(s)	639742	
	R07.2	Traffic white	Powder	Y	2	M5X45	40 Piece(s)	639719	
43	R01.1	Silver	Anodised	Y	2	M5X50	40 Piece(s)	639735	
	R01.3	Titanium	Anodised	Y	2	M5X50	40 Piece(s)	639746	
	R04.1	Grey brown	Powder	Y	2	M5X50	40 Piece(s)	639723	
	R05.5	Bronze	Anodised	Y	2	M5X50	40 Piece(s)	639743	
	R07.2	Traffic white	Powder	Y	2	M5X50	40 Piece(s)	639720	



### 4.1.2.3 Window handles, lockable, 100 Nm



#### Product description

- Lockable handle with tested torque of 100 Nm
- Locking: Push cylinder with turn-key
- Simple and quick locking by pushing down the cylinder
- It meets the requirements of DIN EN 1627-1630, RC1 – RC6
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 22*

#### Scope of delivery

- 1 window handle
- 1 key
- 2 fixing screws

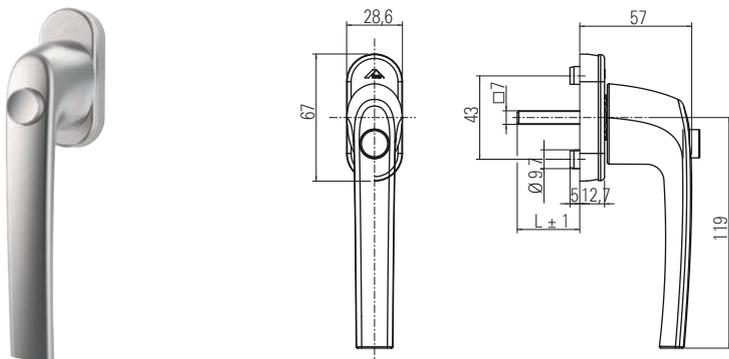


#### INFO

For more information see → *from page 24*

32	R01.1	Silver	Anodised	Y	2	M5X40	40 Piece(s)	639753
	R04.1	Grey brown	Powder	Y	2	M5X40	40 Piece(s)	639750
	R07.2	Traffic white	Powder	Y	2	M5X40	40 Piece(s)	639747
37	R01.1	Silver	Anodised	Y	2	M5X45	40 Piece(s)	639754
	R01.3	Titanium	Anodised	Y	2	M5X45	40 Piece(s)	639763
	R04.1	Grey brown	Powder	Y	2	M5X45	40 Piece(s)	639751
	R05.5	Bronze	Anodised	Y	2	M5X45	40 Piece(s)	639760
	R07.2	Traffic white	Powder	Y	2	M5X45	40 Piece(s)	639748
43	R01.1	Silver	Anodised	Y	2	M5X50	40 Piece(s)	639755
	R01.3	Titanium	Anodised	Y	2	M5X50	40 Piece(s)	639764
	R03.1	Brass, matt	Anodised	Y	2	M5X50	40 Piece(s)	639758
	R04.1	Grey brown	Powder	Y	2	M5X50	40 Piece(s)	639752
	R07.2	Traffic white	Powder	Y	2	M5X50	40 Piece(s)	639749

#### 4.1.2.4 Window handle with push-button



#### Product description

- Window handle with push-button
- Push-button function enables locking and unlocking
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 23*

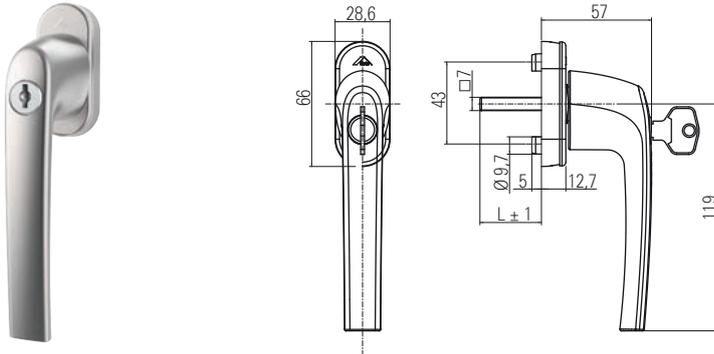
#### Scope of delivery

- 1 window handle
- 2 fixing screws

32	R01.1	Silver	Anodised	Y	2	M5X40	40 Piece(s)	639799	
	R01.3	Titanium	Anodised	Y	2	M5X40	40 Piece(s)	639808	
	R04.1	Grey brown	Powder	Y	2	M5X40	40 Piece(s)	639796	
	R07.2	Traffic white	Powder	Y	2	M5X40	40 Piece(s)	639783	
37	R01.1	Silver	Anodised	Y	2	M5X45	40 Piece(s)	639800	
	R01.3	Titanium	Anodised	Y	2	M5X45	40 Piece(s)	639809	
	R04.1	Grey brown	Powder	Y	2	M5X45	40 Piece(s)	639797	
	R07.2	Traffic white	Powder	Y	2	M5X45	40 Piece(s)	639784	
43	R01.1	Silver	Anodised	Y	2	M5X50	40 Piece(s)	639801	
	R01.3	Titanium	Anodised	Y	2	M5X50	40 Piece(s)	639810	
	R04.1	Grey brown	Powder	Y	2	M5X50	40 Piece(s)	639798	
	R07.2	Traffic white	Powder	Y	2	M5X50	40 Piece(s)	639795	



#### 4.1.2.5 Window handles Tilt-First, lockable, 40 Nm



#### Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- For Tilt-First window operation (tilt before turn)
- Locking: Push cylinder with turn-key
- Lockable in 0-degree and 90-degree position
- Lock-in position 90°
- 10-year functional warranty
- Classification according to DIN EN 13126-3 → *from page 23*

#### Scope of delivery

- 1 window handle
- 1 key
- 2 fixing screws



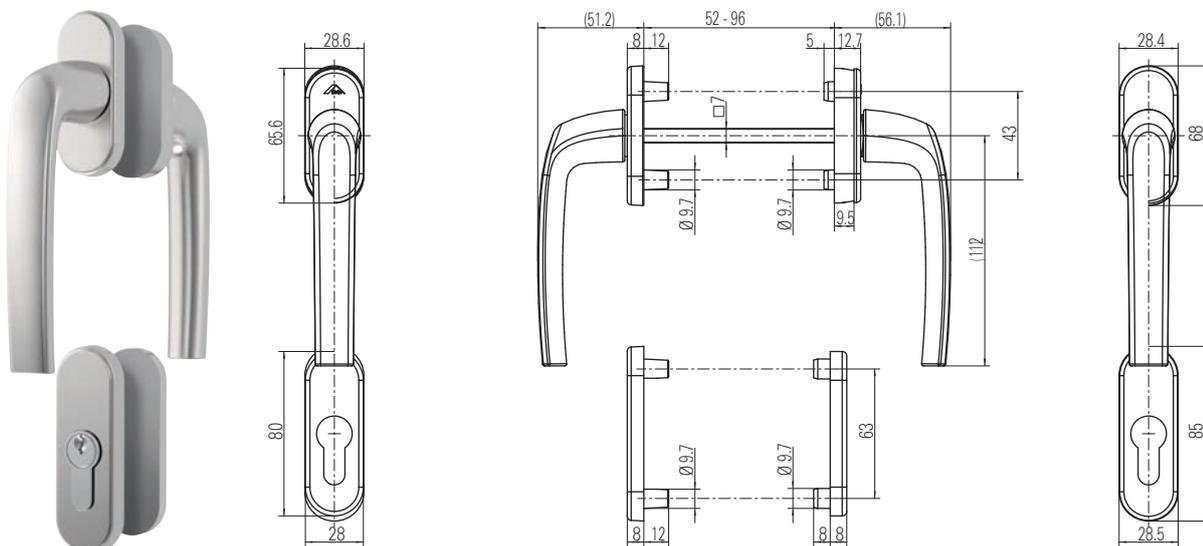
#### INFO

Further information → *from page 26*

32	R01.3	Titanium	Anodised	Y	2	M5X40	40 Piece(s)	639780	
	R03.1	Brass, matt	Anodised	Y	2	M5X40	40 Piece(s)	639774	
	R04.1	Grey brown	Powder	Y	2	M5X40	40 Piece(s)	639768	
	R05.5	Bronze	Anodised	Y	2	M5X40	40 Piece(s)	639777	
37	R01.1	Silver	Anodised	Y	2	M5X45	40 Piece(s)	639772	
	R01.3	Titanium	Anodised	Y	2	M5X45	40 Piece(s)	639781	
	R04.1	Grey brown	Powder	Y	2	M5X45	40 Piece(s)	639769	
	R07.2	Traffic white	Powder	Y	2	M5X45	40 Piece(s)	639766	
43	R01.1	Silver	Anodised	Y	2	M5X50	–	639773	
	R03.1	Brass, matt	Anodised	Y	2	M5X50	–	639776	
	R04.1	Grey brown	Powder	Y	2	M5X50	–	639770	
	R07.2	Traffic white	Powder	Y	2	M5X50	–	639767	

### 4.1.3 Balcony door handles

#### 4.1.3.1 Sets – Outside and inside escutcheon cover with handle



#### Product description

- Handle set with escutcheon-cover version
- Outside handle fix connected
- Outside and inside standard handle with profile cylinder escutcheon cover
- Concealed screw connection
- Lock-in position 90°
- 10-year functional warranty

#### Scope of delivery

- 2 window handles
- 2 profile cylinder escutcheon covers
- 4 fixing screws, can be shortened



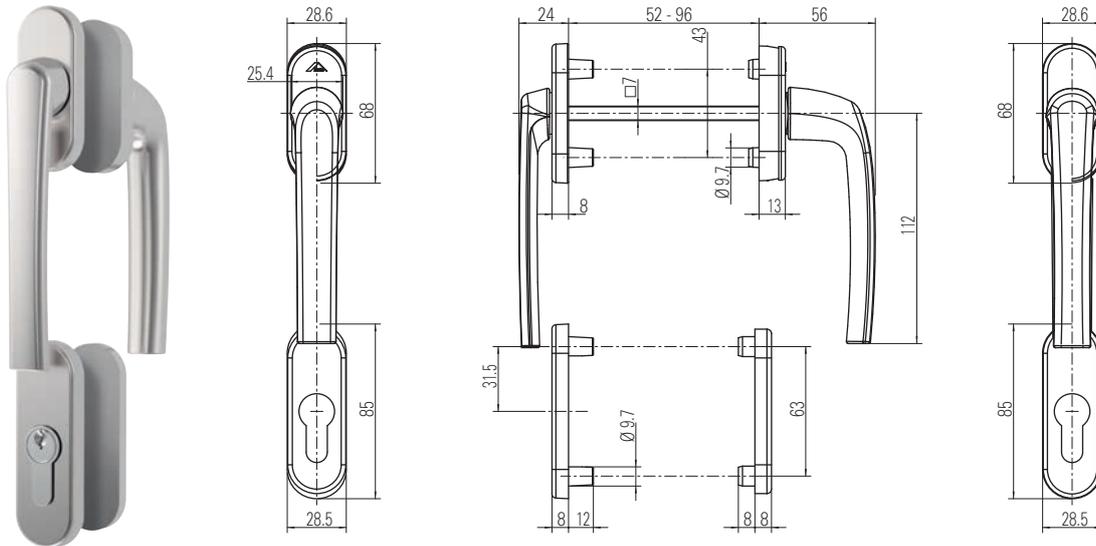
#### INFO

Profile cylinder not included in delivery scope. For the use with aluminium profiles, a flush-encased gearbox is required.

127	R01.1	Silver	Anodised	Y	2	M5X110	1 Piece(s)	639815	
	R01.3	Titanium	Anodised	Y	2	M5X110	1 Piece(s)	639818	
	R04.1	Grey brown	Powder	Y	2	M5X110	1 Piece(s)	639814	
	R07.2	Traffic white	Powder	Y	2	M5X110	1 Piece(s)	639813	



**4.1.3.2 Sets – Outside escutcheon cover with flat handle and inside escutcheon cover with handle**



**Product description**

- Handle set with escutcheon-cover version
- Outside handle fix connected
- Outside short-necked handle with profile cylinder escutcheon cover
- Inside standard handle with profile cylinder escutcheon cover
- Concealed screw connection
- Lock-in position 90°
- 10-year functional warranty

**Scope of delivery**

- 2 window handles
- 2 profile cylinder escutcheon covers
- 4 fixing screws



**INFO**

Profile cylinder not included in delivery scope.

127	R01.1	Silver	Anodised	Y	2	M5X110	1 Piece(s)	640333	
	R01.3	Titanium	Anodised	Y	2	M5X110	1 Piece(s)	640335	
	R04.1	Grey brown	Powder	Y	2	M5X110	1 Piece(s)	640332	
	R07.2	Traffic white	Powder	Y	2	M5X110	1 Piece(s)	640331	

## Roto Jive







Narrow door handle set (lever handle / lever handle)

Door leaf 56 – 70 mm, plate 26 x 215 mm	181
Door leaf 56 – 70 mm, plate 27 x 225 mm	182
Door leaf 56 – 70 mm, plate 30 x 245 mm	183
Door leaf 70 mm, plate 30 x 245 mm	185
Door leaf 87 – 92 mm, plate 24 x 234 mm	186

Lever set (handle / knob)

Door leaf 56 – 70 mm, plate 30 x 245 mm	187
Door leaf 87 – 92 mm, plate 24 x 234 mm	188

Half set

Door leaf 58 – 62 mm, plate 30 x 245 mm	189
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Lever-handle set with escutcheon cover

Escutcheon covers	190
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Accessories

See page	192
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## 5 Roto Jive



Our lever-handle sets for doors have an attractive classical design. They are available for different door leaf thicknesses, optionally with a fixed or movable knob and in different colours.



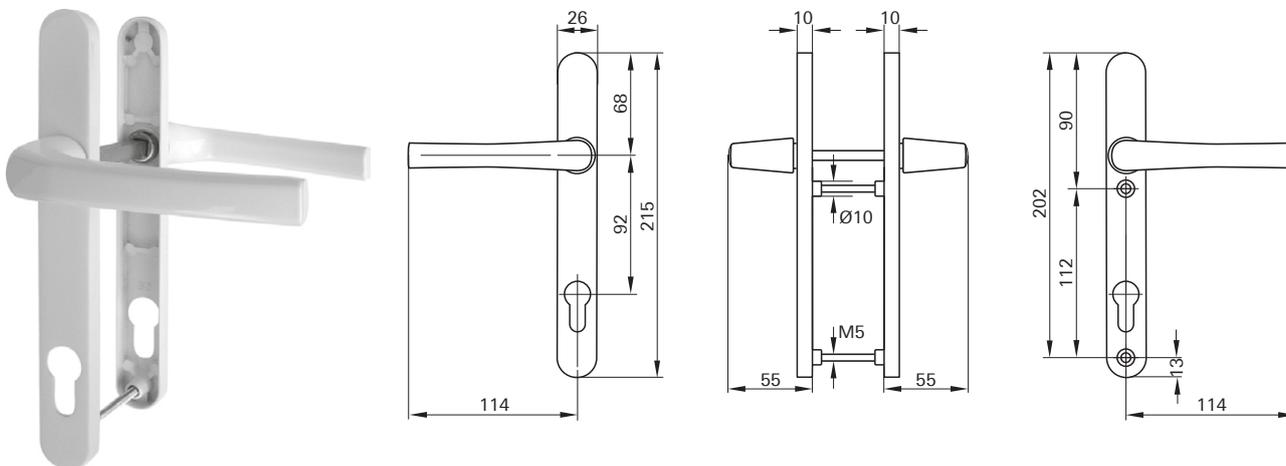
Meaning of the pictograms:

						
Distance (in mm)	Colour code (Roto colour designation)	Colour	Number of screws	Type of screws (diameter x length)	Packaging quantity (in pieces)	Material number



## 5.1 Narrow door handle set (lever handle / lever handle)

### 5.1.1 Door leaf 56 – 70 mm, plate 26 x 215 mm



#### Product description

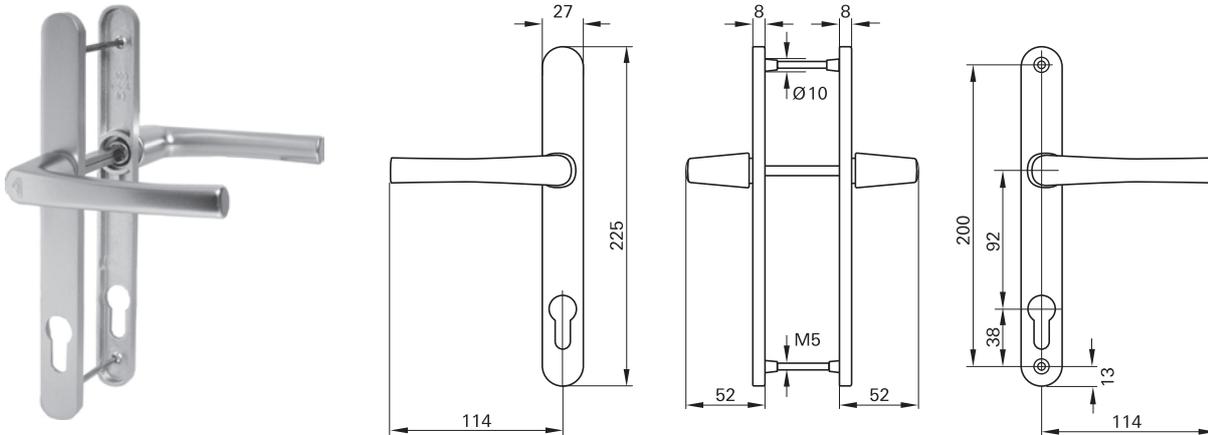
- Application range: Main doors
- Plate width: 26 mm
- Plate length: 215 mm
- Door leaf thickness: 56 – 70 mm
- Spindle: 8 mm
- 10-year functional warranty

#### Scope of delivery

- 1 door handle set
- 1 spindle grooved on one side
- 2 fixing screws

						<b>N<sup>o</sup></b>
92	R03.1	Grey brown	–	–	72 Piece(s)	238596
	R04.4	Black brown	2	M5X80	72 Piece(s)	263065
	R07.2	Traffic white	2	M5X80	72 Piece(s)	243402

**5.1.2 Door leaf 56 – 70 mm, plate 27 x 225 mm**



**Product description**

- Application range: Main doors
- Plate width: 27 mm
- Plate length: 225 mm
- Door leaf thickness 56 – 70 mm
- Spindle 8 mm
- 10-year functional warranty

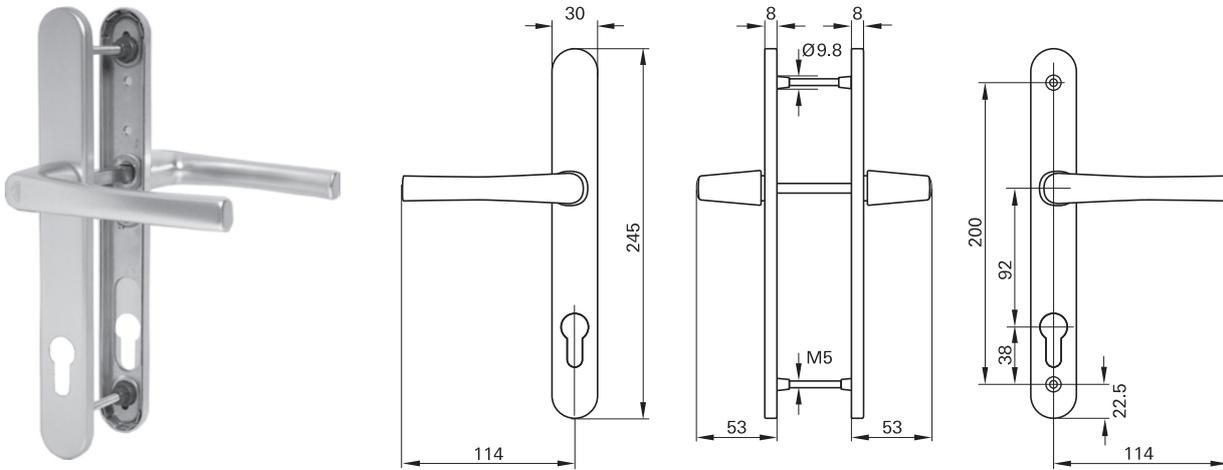
**Scope of delivery**

- 1 door handle set
- 1 spindle 130 mm
- 2 fixing screws (can be shortened)

						<b>N<sup>o</sup></b>
92	R03.2	Brass, polished	2	M5X90	10 Piece(s)	340494
	R01.4	Chromium	2	M5X90	10 Piece(s)	392252



### 5.1.3 Door leaf 56 – 70 mm, plate 30 x 245 mm



#### Product description

- Application range: Main doors
- Plate width: 30 mm
- Plate length: 245 mm
- Door leaf thickness 56 – 70 mm
- Spindle: 8 mm
- 10-year functional warranty

#### Scope of delivery

- 1 door handle set
- 1 spindle 8 mm (130 mm)
- 4 fixing screws



#### INFO

The uncoated door handle set is supplied unassembled.

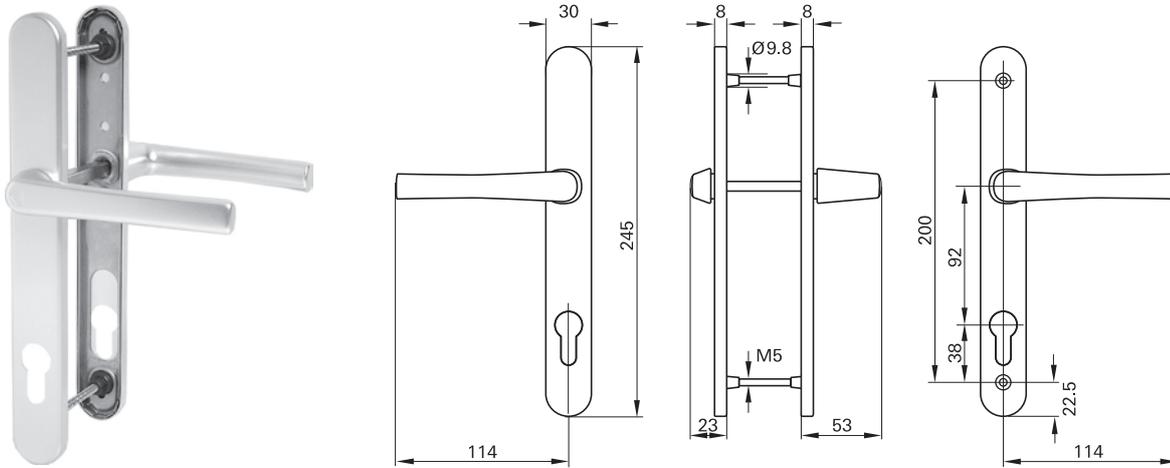
**Roto Jive****Narrow door handle set (lever handle / lever handle)**

Door leaf 56 – 70 mm, plate 30 x 245 mm

						Nº
92	R01.3	Titanium	2	M5X65 M5X75	36 Piece(s)	333215
	R01.3	Titanium	2	M5X65 M5X75	30 Piece(s)	625036
	R01.5	Silver	2	M5X65 M5X75	36 Piece(s)	319782
	R03.3	Gold	2	M5X65 M5X75	36 Piece(s)	319953
	R04.4	Black brown	2	M5X65 M5X75	36 Piece(s)	340317
	R04.4	Black brown	2	M5X65 M5X75	30 Piece(s)	730429
	R05.3	Medium bronze	2	M5X65 M5X75	30 Piece(s)	632054
	R05.5	Bronze	2	M5X65 M5X75	30 Piece(s)	553488
	R06.2M	Jet black, matt	2	M5X65 M5X75	36 Piece(s)	319955
	R07.2	Traffic white	2	M5X65 M5X75	36 Piece(s)	319954
	R07.3	Cream white	2	M5X65 M5X75	36 Piece(s)	340318
	Roh	Raw	2	M5X65 M5X75	30 Piece(s)	322928



### 5.1.4 Door leaf 70 mm, plate 30 x 245 mm



#### Product description

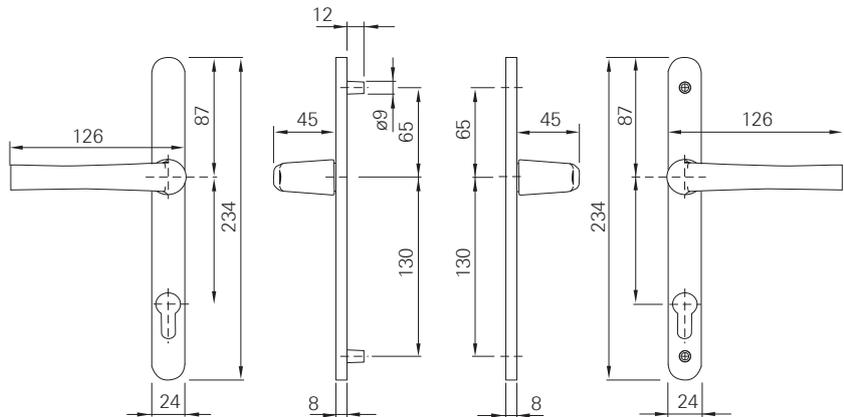
- Application range: Main doors
- Plate width: 30 mm
- Plate length: 245 mm
- Door leaf thickness 70 mm
- Spindle: 8 mm
- 10-year functional warranty

#### Scope of delivery

- 1 standard lever handle inside
- 1 low lever handle outside
- 1 spindle 130 mm
- 2 fixing screws

						<b>N<sup>o</sup></b>
92	R01.3	Titanium	2	M5X80	36 Piece(s)	340493
	R01.5	Silver	2	M5X80	36 Piece(s)	337615
	R04.1	Grey brown	2	M5X80	30 Piece(s)	501397
	R06.2M	Jet black, matt	2	M5X80	36 Piece(s)	337618
	R07.2	Traffic white	2	M5X80	36 Piece(s)	337617
	R07.3	Cream white	2	M5X80	36 Piece(s)	346933

### 5.1.5 Door leaf 87 – 92 mm, plate 24 x 234 mm



#### Product description

- Application range: Main doors
- Plate width: 24 mm
- Plate length: 234 mm
- Door leaf thickness: 87 – 92 mm
- Spindle: 8 mm
- 10-year functional warranty

#### Scope of delivery

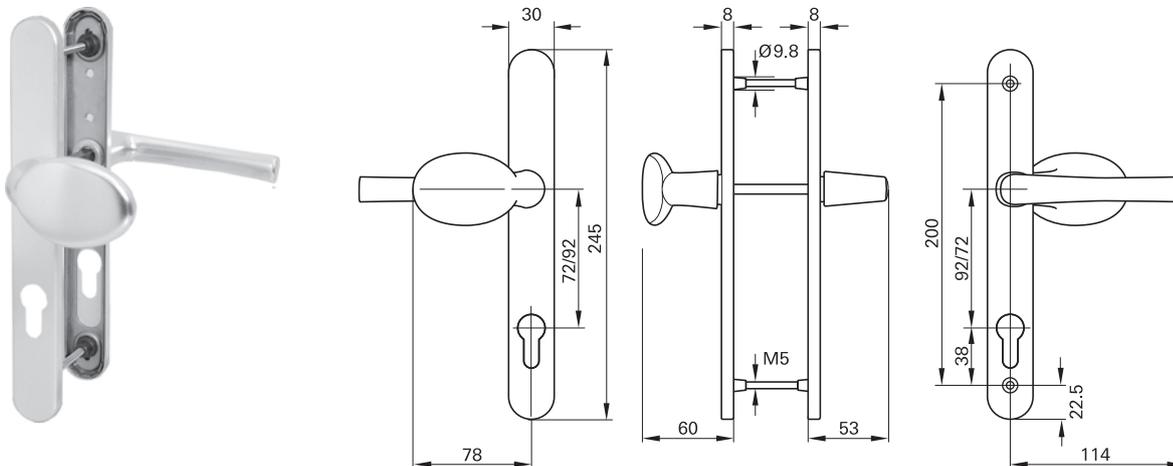
- 1 door handle set
- 1 spindle grooved on one side
- 2 M4 screws (65 mm)
- 2 M4 screws (75 mm)

92	R01.5	Silver	2	M4X12.5	36 Piece(s)	788613



## 5.2 Lever set (handle / knob)

### 5.2.1 Door leaf 56 – 70 mm, plate 30 x 245 mm



#### Product description

- Application range: Main doors
- Handle with fixed knob
- Plate width: 30 mm
- Plate length: 245 mm
- Door leaf thickness 56 – 70 mm
- 10-year functional warranty

#### Scope of delivery

- 1 door handle set
- 1 special spindle for non-handed applications
- 4 fixing screws

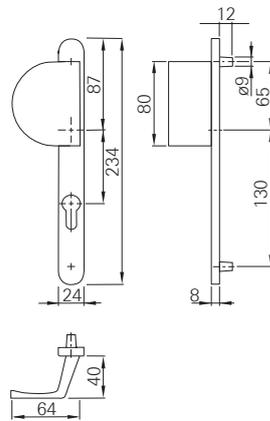


#### INFO

On door thicknesses of 55 mm or less, the spindle and screws need to be cut down to size.

92	R01.3	Titanium	2	M5X65 M5X75	10 Piece(s)	340486
	R01.5	Silver	2	M5X65 M5X75	10 Piece(s)	340320
	R03.3	Gold	2	M5X65 M5X75	10 Piece(s)	340321
	R04.4	Black brown	2	M5X65 M5X75	10 Piece(s)	340322
	R06.2	Jet black	2	M5X65 M5X75	10 Piece(s)	340485
	R07.2	Traffic white	2	M5X65 M5X75	10 Piece(s)	340484

### 5.2.2 Door leaf 87 – 92 mm, plate 24 x 234 mm



#### Product description

- Application range: Main doors
- Handle with fixed knob
- Plate width: 24 mm
- Plate length: 234 mm
- Door leaf thickness 87 – 92 mm
- Spindle: 8 mm
- 10-year functional warranty

#### Scope of delivery

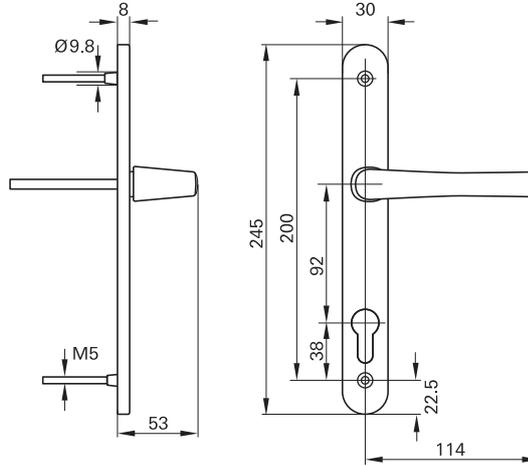
- 1 door handle set
- 1 spindle grooved on one side
- 2 M4 screws (65 mm)
- 2 M4 screws (75 mm)

92	R01.5	Silver	2	M4X12.5	36 Piece(s)	Nº 788614



## 5.3 Half set

### 5.3.1 Door leaf 58 – 62 mm, plate 30 x 245 mm



#### Product description

- Application range: Main doors
- Plate width: 30 mm
- Plate length: 245 mm
- Door leaf thickness 58 – 62 mm
- 10-year functional warranty

#### Scope of delivery

- 1 door handle inside
- 1 spindle 8 mm (80 mm)
- 2 fixing screws



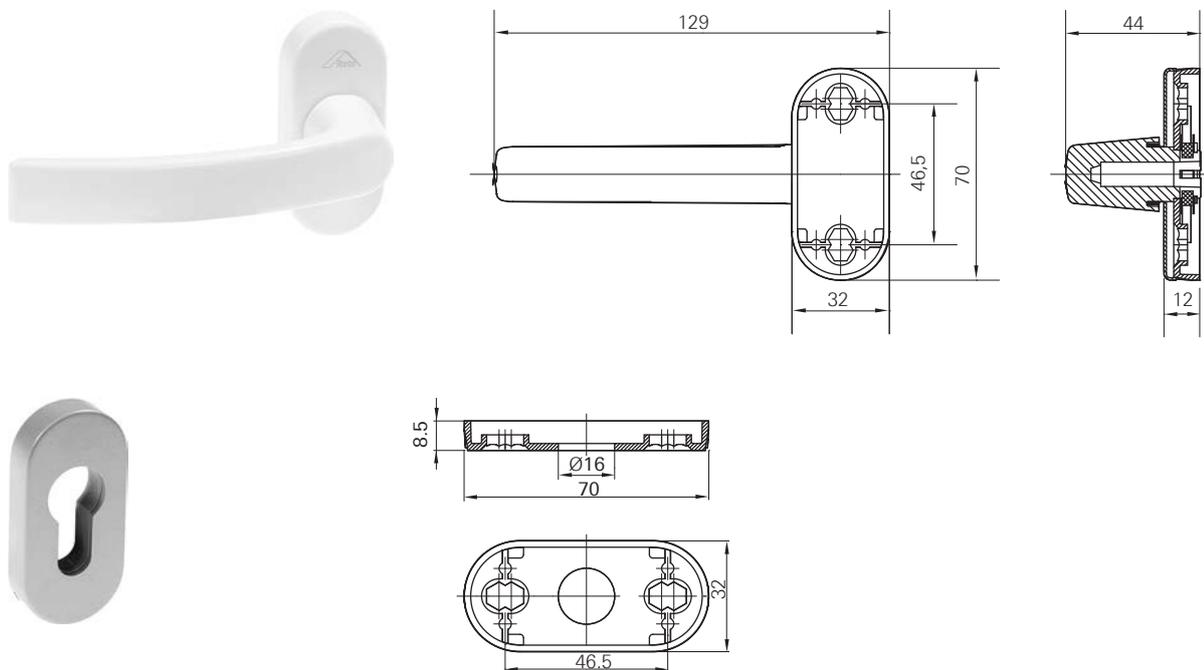
#### INFO

The uncoated door handle is supplied with a special spindle.

92	R01.3	Titanium	2	M5X70	72 Piece(s)	333216
	R01.5	Silver	2	M5X70	72 Piece(s)	337620
	R04.4	Black brown	2	M5X70	72 Piece(s)	346931
	R06.2M	Jet black, matt	2	M5X70	72 Piece(s)	337623
	R07.2	Pure white	2	M5X70	72 Piece(s)	337622
	R07.3	Cream white	2	M5X70	72 Piece(s)	346932

## 5.4 Lever-handle set with escutcheon cover

### 5.4.1 Escutcheon covers



#### Product description

- Application range: Main doors
- Door leaf thickness 60 – 70 mm
- 10-year functional warranty

#### Delivery scope escutcheon cover

- 2 escutcheon covers
- 4 fixing screws

#### Lever-handle set with escutcheon cover

						N <sup>o</sup>
R01.4	Chromium		2	–	30 Piece(s)	602558
R06.2	Jet black	–	2	M5X65 M5X75	1 Piece(s)	553875
SF	SF		2	M5X65 M5X75	1 Piece(s)	553877
Roh	Raw	–	2	M5X65 M5X75	30 Piece(s)	553927

#### Escutcheon covers – profile-cylinder holes

						N <sup>o</sup>
R01.4	Chromium		4	M5X20	30 Piece(s)	602559
R06.2	Jet black	–	4	M5X20	1 Piece(s)	553876



						Nº
SF	SF		4	M5X20	30 Piece(s)	553878
Roh	Raw	-	4	M5X20	30 Piece(s)	553928



## 5.5 Accessories

### Accessory bag handle / handle for door-leaf thickness 76 – 82 mm



#### Product description

- Application range: Main doors

#### Scope of delivery

- 1 replacement spindle
- 2 M4 screws (65 mm)
- 2 M4 screws (75 mm)



Nº

788655

### Accessory bag handle / knob for door-leaf thickness 76 – 82 mm



#### Product description

- Application range: Main doors

#### Scope of delivery

- 1 replacement spindle
- 2 M4 screws (65 mm)
- 2 M4 screws (75 mm)



Nº

788656



## Roto Freestyle







Roto AL

Window handles – Standard	199
Balcony door handles – Half set (inside)	200

Roto Inline

Window handles – Standard	201
Window handles – Security	203
Balcony door handles – Half set (inside)	204

## 6 Roto Freestyle

Roto Freestyle stands for modern design in its most attractive form

The combination of dynamic lines with high-quality aluminium elements ensures comfortable handle operation.



Meaning of the pictograms:

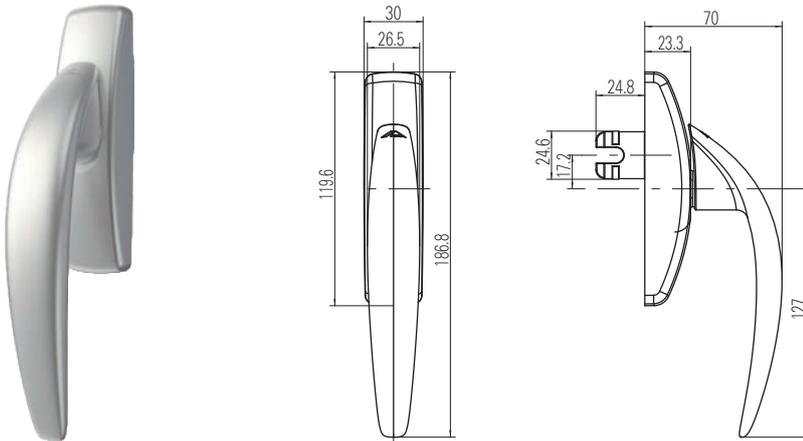
									
Spindle length (in mm)	Colour code (Roto colour designation)	Colour	Design element   Cover   Escutcheon cover	Surface-finish (with respect to handle lever)	Roto logo	Number of screws	Type of screws (diameter x length)	Packaging quantity (in pieces)	Material number



## 6.1 Roto AL

### 6.1.1 Window handles – Standard

#### 6.1.1.1 Geared-handle



#### Product description

- Basic handle without additional functions
- Lock-in position 90°

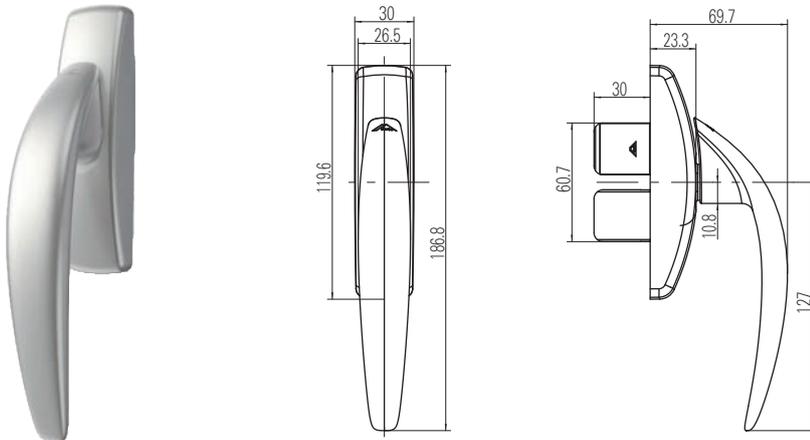
#### Scope of delivery

- 1 window handle
- Without fixing screws

								Nº
26	R01.5	Silver	Powder	N	-	-	10 Piece(s)	486161
	R06.2	Jet black	Powder	N	-	-	10 Piece(s)	486162
	R07.2	Traffic white	Powder	N	-	-	10 Piece(s)	486163
	SF	SF	Powder Wet-painted	N	-	-	10 Piece(s)	486165
	Roh	Raw	-	N	-	-	10 Piece(s)	486164

## 6.1.2 Balcony door handles – Half set (inside)

### 6.1.2.1 Reverse-action espagnolette



#### Product description

- Reverse-action espagnolette without additional functions
- Lock-in position 90°

#### Scope of delivery

- 1 window handle
- Without fixing screws

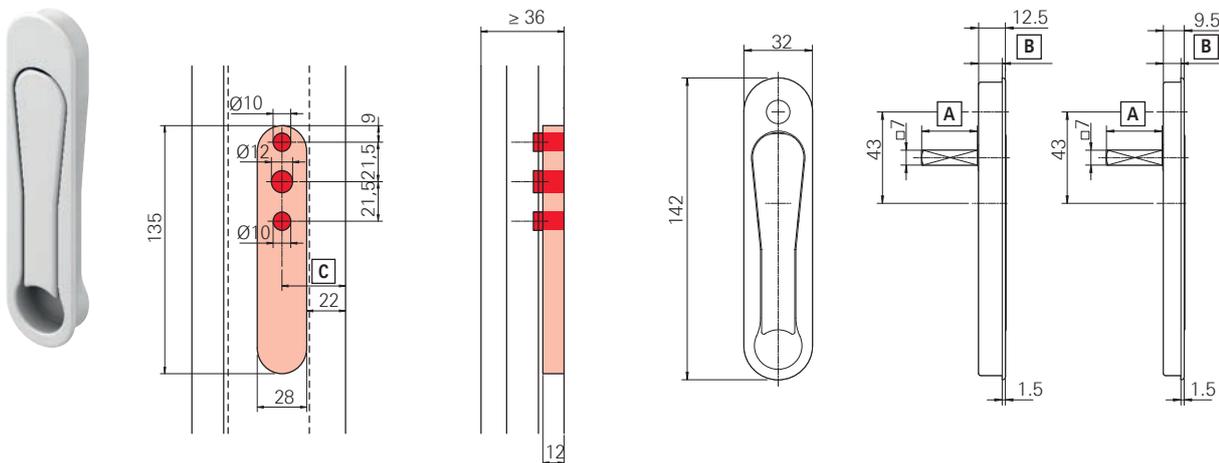
30	R01.5	Silver	Powder	N	-	-	10 Piece(s)	486277
	R06.2	Jet black	Powder	N	-	-	10 Piece(s)	490162
	R07.2	Traffic white	Powder	N	-	-	10 Piece(s)	490163
	SF	SF	Powder Wet-painted	N	-	-	10 Piece(s)	490235
	Roh	Raw	-	N	-	-	10 Piece(s)	490164



## 6.2 Roto Inline

### 6.2.1 Window handles – Standard

#### 6.2.1.1 Pop-up



Assignment	Meaning
[A]	Spindle length
[B]	Depth
[C]	Backset



#### Product description

- Ideal solution for overlapping sliding sashes
- Almost flush with the profile
- Minimum turning effort
- Can be placed back in its original position
- 2 versions: 8 mm deep or 11 mm deep for different installation depths

#### Scope of delivery

- 1 window handle
- Without fixing screws

Depth	Profile	Color	Finish	Roto	#	Y	Y	Box	Nº
21.5	8	R06.2	Jet black	Powder	Y	-	-	1 Piece(s)	637960
		R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	637961
		Roh	Raw	-	Y	-	-	1 Piece(s)	637962
26.5	11	R01.1	Silver	Anodised	Y	-	-	1 Piece(s)	637963
		R06.2	Jet black	Powder	Y	-	-	1 Piece(s)	614295
		Roh	Raw	-	Y	-	-	1 Piece(s)	637965
		R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	570810
21	11	R06.2	Jet black	Powder	Y	-	-	1 Piece(s)	535466
		R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	535465
-	-	-	-	-	-	-	-	-	538246

**Roto Freestyle**  
**Roto Inline**  
 Window handles – Standard

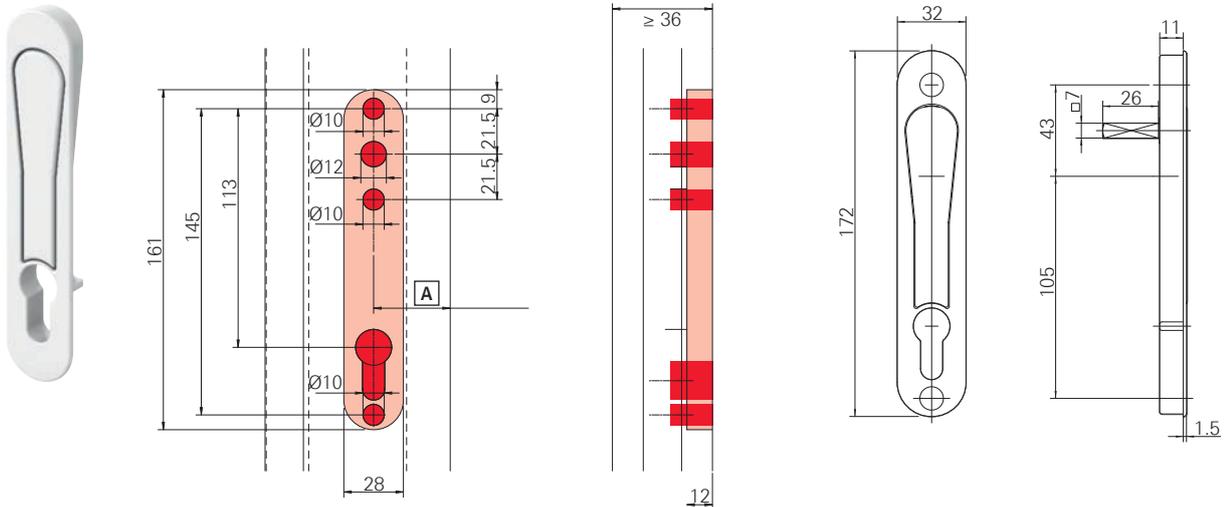
									Nº	
26	11	R04.1	Grey brown	Powder	Y	-	-	1 Piece(s)	323277	
		R06.2	Jet black	Powder	Y	-	-	1 Piece(s)	493898	
		R07.1	Pure white	Powder	Y	-	-	1 Piece(s)	323275	
		R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	312766	
		R07.3	Cream white	Powder	Y	-	-	1 Piece(s)	494495	
		R03.2	Gold	Powder	Y	-	-	1 Piece(s)	323279	
	-		Powder	Y	-	-	1 Piece(s)	323286		
	45	11	R03.4	Stainless-steel design	Galvanised	Y	-	-	1 Piece(s)	323280
			SF	SF	Powder	Y	-	-	1 Piece(s)	494670
Roh			Raw	-	Y	-	-	1 Piece(s)	312769	
R06.2			Jet black	Powder	Y	-	-	1 Piece(s)	561198	
45	11	R03.2	Gold	Powder	Y	-	-	1 Piece(s)	561196	
		R03.4	Stainless-steel design	Galvanised	Y	-	-	1 Piece(s)	561197	
		Roh	Raw	-	Y	-	-	1 Piece(s)	632007	





## 6.2.2 Window handles – Security

### 6.2.2.1 Pop-up, lockable



Assignment	Meaning
[A]	Backset



#### Product description

- Ideal solution for two overlapping sliding sashes
- Almost flush with the profile
- Minimum turning effort
- Can be placed back in its original position

#### Scope of delivery

- 1 window handle
- Without fixing screws



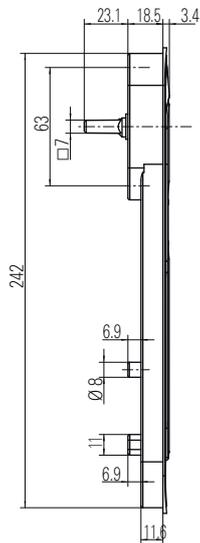
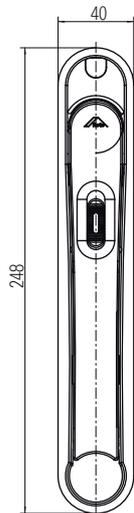
#### INFO

Profile cylinder not included in delivery scope.

26	Gold	R03.2	Powder	Y	-	-	1 Piece(s)	323286
	Stainless-steel design	R03.4	Galvanised	Y	-	-	1 Piece(s)	323287
	Traffic white	R07.2	Powder	Y	-	-	1 Piece(s)	323282
	Grey brown	R04.1	Powder	Y	-	-	1 Piece(s)	323283

## 6.2.3 Balcony door handles – Half set (inside)

### 6.2.3.1 Retractable handle



#### Product description

- Ideal solution for two overlapping sliding sashes
- Almost flush with the profile
- Minimum turning effort
- Can be placed back in its original position
- Patented mechanism

#### Scope of delivery

- 1 window handle
- Without fixing screws

								
20	R01.5	Silver	Powder	Y	-	-	1 Piece(s)	489867
	R05.3	Medium bronze	Anodised	Y	-	-	1 Piece(s)	489866
	R05.4	Dark bronze	Anodised	Y	-	-	1 Piece(s)	489868
	R07.2	Traffic white	Powder	Y	-	-	1 Piece(s)	489865



## Handle accessories







Balcony door handles, outside	
See page	210
<hr/>	
Replacement key	
See page	213
<hr/>	
Detachable key	
See page	214
<hr/>	
T&T restrictor	
See page	215
<hr/>	
Spindle	
See page	216
<hr/>	
Geared-handle support	
Individual component	217
Set (individual component with screws)	218
<hr/>	
Flat-headed screw M5x12	
See page	219
<hr/>	

## 7 Accessories

### 7.1 Balcony door handles, outside

#### Balcony door handles, PVC



			N <sup>o</sup>
R04.1	Grey brown	20 Piece(s)	228258
R07.2	Traffic white	20 Piece(s)	228259

#### Balcony door handles, Aluminium



			N <sup>o</sup>
R01.1	Silver	100 Piece(s)	355837
R05.3	Medium bronze	100 Piece(s)	355838
R07.2	Traffic white	100 Piece(s)	355839



Balcony door handles, die-cast zinc



			Nº
R04.4	Black brown	1 Piece(s)	539570
R05.5	Bronze	1 Piece(s)	539651
R06.2	Jet black	1 Piece(s)	539656
R07.2	Traffic white	1 Piece(s)	539578
R07.3	Cream white	1 Piece(s)	539577

Further RAL colours available upon request

Balcony door handles, die-cast zinc, with mount-plate



			Nº
Roh	Raw	1 Piece(s)	540213



Balcony door handles, PVC, type 1, to be mounted on the profile edge



			Nº
R01.5	Silver	100 Piece(s)	539238
R04.4	Black brown	100 Piece(s)	539010
R07.2	Traffic white	100 Piece(s)	538620

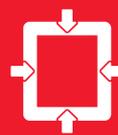
**Balcony door handles, PVC, type 2, to be mounted on the profile surface**



			Nº
R01.5	Silver	100 Piece(s)	769002
R04.4	Black brown	100 Piece(s)	539256
R06.2	Jet black	100 Piece(s)	770823
R07.2	Traffic white	100 Piece(s)	539255

Further RAL colours available upon request





## 7.2 Replacement key

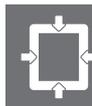


			Nº
Replacement key 1G1 "large"	44	1 Piece(s)	257830
Replacement key 1G1 "small"	37	1 Piece(s)	639099

### Keys fit to the following handles:

	Replacement key "small"	Replacement key "big"
<b>Roto Swing</b>	■	■
Roto Swing Tilt-First	■	-
Roto Swing lockable 40 Nm	■	-
<b>Roto Line</b>	■	■
<b>Roto Samba</b>	■	■

■ = Standard



### 7.3 Detachable key



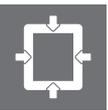
#### Product description

- Tool for dismantling the transport protection of the escutcheonless handle
- In combination with Roto Line escutcheonless handle (see → *from page 113* and → *from page 114*)

#### Scope of delivery

- 1 key

						N <sup>o</sup>
Pull key for escutcheonless handle	-	-	-	10 Piece(s)	377995	





## 7.4 T&T restrictor



### Product description

- T&T restrictor angle to be mounted on the handle
- T&T restrictor connecting rod to be mounted on the frame

### Scope of delivery

- 1 connecting rod
- 1 angle



			Nº
Grey brown	R04.1	10 Piece(s)	245686
Traffic white	R07.2	10 Piece(s)	245685

## 7.5 Spindle



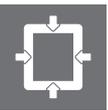
### Product description

- In delivery scope for Roto Line handles without spindle

### Scope of delivery

- 1 spindle

		Nº
150	10 Piece(s)	287824





## 7.6 Geared-handle support

### 7.6.1 Individual component



#### Product description

- Geared-handle support for fixing of the geared-handle
- Can be used optionally with thin-walled sash profiles

#### Scope of delivery

- 1 geared-handle support
- Without fixing screws



#### INFO

Suitable for all Roto Line geared-handles. → *from page 108* → *from page 111*

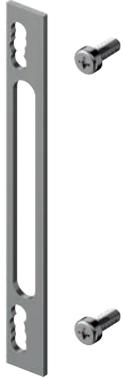
						
AL espagnolette support			-	-	100 Piece(s)	331937

## Accessories

### Geared-handle support

Set (individual component with screws)

#### 7.6.2 Set (individual component with screws)



#### Product description

- Geared-handle support for fixing of the geared-handle
- Can be used optionally with thin-walled sash profiles

#### Scope of delivery

- 1 geared-handle support
- 2 fixing screws



#### INFO

Suitable for all Roto Line geared-handles. → *from page 108* → *from page 111*

AL espagnolette support set		2	M5X12	10 Piece(s)	335002



## 7.7 Flat-headed screw M5x12



### Product description

- Screw for fixing handles

### Scope of delivery

- 1 fixing screw

			Nº
	Flat-head screw M5x12	100 Piece(s)	212500





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