Roto
Window & Door
Technology



Roto Handles

Handles for all opening types

Catalogue for timber, PVC and aluminium profiles

german made

What does that mean?





The company Roto with headquarters in Leinfelden-Echterdingen near Stuttgart is a German group of companies. Roto has grown robustly – organically and 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, consistency 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 design and development as well as quality and process management guarantee that we can provide outstanding performance and high-quality services – worldwide.

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”.

Company



The company Roto, based in Leinfelden-Echterdingen near Stuttgart, is a German group of companies that is wholly owned by families descended from the company's founder, Wilhelm Frank.

The group comprises three independent divisions which develop and produce hardware systems, roof windows and stairs for the construction industry and offer sophisticated services relating to windows and doors.

The Roto name has represented an inventive spirit and technological progress in compatible components for the construction industry since 1935.

The Roto Group is active all over the world with an extensive business portfolio and around 5000 employees.

Roto works on the basis of clear management and conduct principles to secure the position of the group as a success story and to ensure continued success.

Roto is inspired by the needs and expectations of customers, whether you are a builder, planner, architect, manufacturer or retailer of windows and doors, or manufacturer or specialist retailer for roofing.

Roto | Window and Door Technology

Worldwide



Europe

Roto Frank Austria GmbH
Kalsdorf (AT)

Roto Frank Belarus
Minsk (BY)

Roto Frank S.A.
Zaventem (BE)

Roto Frank GmbH
Dietikon (CH)

Roto Frank Fenster- und Tür-technologie GmbH
Leinfelden / Velbert (DE)

Roto Frank Estonia
Tallinn (EE)

Roto Frank S.A.
Lliçà de Vall (ES)

Roto Frank Ferrures S.A.S.
Saint-Avold (FR)

Roto Elzett Certa Kft.
Lövő / Sopron (HU)

Roto Frank Italia
San Donà di Piave (IT)

Roto Frank Lithuania
Vilnius (LT)

Roto Frank Latvijā
Jūrmala (LV)



Roto Frank

Warsaw (PL)





Roto Romania S.R.L.

Bucharest (RO)





Roto Frank Ltd. Sti.

Istanbul (TR)





Roto Frank Okucia Budowlane Sp. z o.o.

Kyiv (UA)



Asia



Roto Frank Building Materials Co. Ltd.

Beijing (CN)





Roto Frank Indonesia

Jakarta (ID)





Roto Frank Asia – Pacific Liaison Office India

Mumbai (IN)





Roto Frank Asia-Pacific Pte. Ltd.

Singapore (SG)





Roto Frank Asia-Pacific Pte. Ltd.

Hanoi (VN)



America



Roto Frank Latina SA

Buenos Aires (AR)





Roto Frank Brasil Ltd.

São José (BR)





Fermax Componentes Ltd.

Colombo (BR)





Roto Fasco Canada Inc.

Mississauga, Ontario (CA)





Roto Frank Chile

Santiago (CL)





Roto Frank of America Inc.

Chester (US)



 = Sales  = Production / sales

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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
	PVC
	Aluminium
	Timber and aluminium
	Timber and PVC
	Timber, PVC and aluminium
	Timber, timber-aluminium

1.1.2 Opening types

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

Symbol	Meaning
	Sliding
	Folding and sliding
	Lifting

1.1.3 Product features

Symbol	Meaning
	Hardware axis
	Description
	DIN
	Distance
	Rebate depth
	Colour code, standard
	Colour code, Roto
	Colour
	Information
	Length
	Material
	Material number
	Maximum
	Minimum
	Surface

Symbol	Meaning
	Roto logo
	Number of screws
	Type of screws
	Security class
	Spindle length
	Depth
	Packaging unit
	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 Surfaces

Anodising (anod.)

A surface technology process for creating a layer of aluminium oxide through anodic oxidation. Through conversion of the top metal layer, this produces a protective layer 5 to 25 micrometers thick which protects the base metal from corrosion as long as there are no defects in this layer, for example due to mechanical damage.

Powder coating (powd-c)

A solvent-free coating method which involves electrostatically applying solid particles of powder coating to a conductive surface. These particles are then melted during a baking process to create a homogenous, sealed coating layer.

Wet-painted (wet p)

Traditional painting and coating method. A liquid coating is applied to the workpiece using a pneumatic atomiser. After this is dried or baked, a sealed and solid coating layer is formed.

This method is excellent for complex geometries and makes a good addition to powder coating for special usage requirements thanks to the flexibility it offers when choosing the binder and pigment.

Metal-plating (met p)

Electroplated metallic top layer for an especially decorative appearance and corrosion protection. Only use components with this surface in indoor areas.

1.1.6 Colours

Colour code, Roto	Colour code, standard	Colour
R01.1	–	Natural silver
R01.2	–	Nickel silver
R01.3	–	Titanium
R01.4	–	Chrome
R01.5	–	Silver
R02.2	RAL 7016	Anthracite grey
R03.1	–	Brass matt
R03.2	–	Brass, polished
R03.3	–	Gold
R03.4	–	Stainless-steel design
R04.1	RAL 8019	Grey brown
R04.3	–	Olive brown
R04.4	RAL 8022	Black brown
R05.3	–	Medium bronze
R05.4	–	Dark bronze
R05.5	–	Bronze
R06.2M	RAL 9005, matt	Jet black, matt
R06.2	RAL 9005	Jet black
R06.4M	–	Black, matt
R07.1	RAL 9010	Pure white
R07.2	RAL 9016	Traffic white
R07.3	RAL 9001	Cream
SP. COL.	SP. COL.	Special colour
R00.0	Untreated	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.

1.1.7 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
KU	Couplable
met p	Metal-plated
mm	Millimetres
CL	Centre lock
N	No
wet p	Wet-painted
Nm	Newton metres
LMD	Lifting mishandling device
Not sh.	Not shown
powd-c	Powder-coated

Abbreviation	Meaning
RC	Resistance class
SEC	Security
NDHS	Narrow door handle set

1.1.8 Copyright protection

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 Handles

1.2.1 Design lines

Roto offers an extensive range of handles in various colours and technical variants for every product range.



Roto Square

The line of minimalist handles. Pared-back and versatile.

Roto Square embodies a distinctive design with a character all of its own. The angular design language makes a clear statement in contemporary architecture. It is striking and crafted with straight lines, yet feels pleasant to use. As such, Roto Square offers a Cubist aesthetic without compromising on comfort or ergonomics.

Thanks to the incredible variety of different designs, this handle line is suitable for windows, sliding doors and external doors, as well as for patio and balcony doors. Technical versions including standard, Secustik, lockable variants, push-to-open or TiltFirst offer the perfect solution for any requirement.

With VarioFit technology, Roto Square also makes a variable spindle length possible. This results in flexible installation, simplified logistics and reduced storage requirements. Roto Square is design in its purest form: minimalist, versatile and uncompromisingly high quality.



Roto Line

The line of classic handles. Elegant and versatile.

Roto Line impresses with its timeless design and proven technology. The harmonious lines give this range of handles a classic elegance and make them incredibly versatile. These handles, with optimised ergonomics and a premium feel, enable consistent, comfortable operation in everyday life.

Roto Line is suitable for Turn-Only and Tilt&Turn systems, as well as for Tilt&Slide, Lift&Slide and Fold&Slide systems, and also for outward opening windows. Thanks to the extensive selection, which includes handle sets for balcony doors, patio doors and external doors, Roto Line offers flexible solutions for timber, PVC or aluminium windows and doors. Classic design, impressive function.

The RAL-certified premium technology from Roto guarantees long-term functionality and dependable quality.



Roto Swing

The line of curved handles. Special and unique.

Roto Swing is deliberately eye-catching. The curved shaping makes the handle a visible noticeable on the window and highlights its transformation from a purely functional component to a design element with a significant impact on the appearance.

The compact range is designed for Turn-Only and Tilt&Turn systems as well as Tilt&Slide systems made from timber and PVC. With the addition of a handle set for balcony doors and patio doors, Roto Swing unlocks many options for creating unique windows and doors

Roto Swing is the expression of design. Striking, fluid and unmistakeable.



Roto Samba

The line of understated handles. Harmonious and timeless.

Roto Samba impresses with its carefully coordinated, timeless design and an integrated overall appearance characterised by a pared-back, harmonious design language. And it is perfect for daily use.

The range has been kept to the essentials and includes all the relevant versions. This makes it easy to choose the right one, all while maintaining a consistent design throughout the entire property. This line of handles is suitable for timber, PVC and aluminium Turn-Only and Tilt&Turn windows, as well as for balcony and patio doors, and offers ideal solutions for all variants.

Thanks to the pared-back design language, it blends subtly into the room without drawing attention.

1.2.2 Product liability guidelines

In accordance with the German Product Liability Act (Produkthaftungsgesetz), Roto as a manufacturer is liable for ensuring that its products offer the expected level of safety and security after being presented. In this regard, the following specifications, as well as the content and information in the additional referenced documents, must be observed. Failure to observe these discharges Roto from its liability.

Product information

Roto handles are hardware components which can be used to carry out opening and closing movements and/or blocking processes on balcony doors and window elements in high-rise buildings / residential buildings. The mounting material supplied must strictly be used.

When installing hardware components in aluminium profiles, Roto recommends using mounting material which is made from stainless steel or has a zinc flake coating. Contact corrosion may occur if different mounting material is used.

Products used in harsh, corrosive environments are special hardware components; they may only be used after prior consultation with Roto.

Stipulated use

A locking system is only used as stipulated if

- The locking system is put together correctly by experts and consists of permissible hardware, locking components (e.g. key, cylinder) and accessories (e.g. striker plate),
- The information, instructions and notes contained in these guidelines, this catalogue and other technical documents are observed,
- The applicable mandatory legal provisions and standards are complied with,
- The locking system is installed by experts, taking into account the information, instructions and notes provided by Roto for this purpose, and
- The maintenance and care instructions are followed.

The length of time for which a product remains fit for use depends on

- How often it is used,
- The way in which it is used,
- Environment and care.

A handle must be replaced if, despite maintenance and care work being carried out, the function can no longer be guaranteed or if the surface poses a risk of injury.

The locking systems are configured for mounting profile cylinders.

The locking systems are not suitable for adapting to shape changes and changes to the sealing closure as a result of temperature differences or changes to the building.

The specific hardware as a whole (locking system) must be put together from genuine Roto parts by experts. If third-party parts are also used, Roto assumes no liability for any resultant malfunctions or damage.

Windows and balcony doors for wet rooms and for use in environments with aggressive, corrosive constituents in the air require special hardware.

Misuse (incorrect handling or handling contrary to the stipulated use)

If the stipulated use is not complied with, this constitutes misuse or incorrect use of the product, which discharges Roto from its liability.

This applies to the following cases in particular:

- Auxiliary tools are used for operation (e.g. pliers or added-on lengths of pipe),
- Additional loads (retaining forces and support forces) are introduced (e.g. placing an object beneath a door handle to block the door),
- Forces exceeding standard hand force impact the handle (e.g. attempting to prevent blocking of the Tilt&Turn hardware using increased force or using door handles for support, e.g. in the case of children),
- External objects and/or objects not suitable for the door are introduced (e.g. pins from third-party manufacturers or a combination of product parts from third-party manufacturers with those from Roto),
- Incidents occur which affect functionality (e.g. attempts to break in or out using tools on lockable window handles),
- The surface is damaged by sharp objects,
- The introduction of external and/or unsuitable objects into the hardware system or the striker plate prevents them from operating properly,
- Work is performed on the hardware system or striker plate or they are otherwise impaired in such a way that the structure, mode of operation or correct functioning is impacted.

Please refer to the product-specific documents for more information on misuse.

Product maintenance

Ensure that the hardware components and mounting material are fitted correctly so that they function properly.

Maintenance must be performed on all movable parts at least once per year – or more often depending on use.

Hardware systems must be treated with care products recommended by Roto depending on use.

As a general rule, they must never be treated with strong acids or alkalis. Contamination with mortar and similar materials must always be avoided. Only cleaning agents which do not contain any corrosive substances should be used.

Duty to provide information and issue instructions

The following documents are available to provide information to dealers, planning engineers, architects, advisory institutes, fabricators, builders and users:

- Catalogues and brochures,
- Texts for invitation of tenders,
- Purchasing information,
- Quotation documents,
- Installation, operation and care instructions.

Roto is also on hand to give advice if required.

For selecting Roto hardware systems and for installation, operation and care,

- architects, planning engineers and advisory institutes are obligated to request all of the necessary product information from Roto and to observe this information;
- specialist dealers are obligated to observe the product information and instructions in the documents and, in particular, to request all of the necessary instructions from Roto and to pass these on to the fabricators;
- fabricators are obligated to observe all production information and, in particular, to request operation and care instructions from Roto and to pass these on to the customers and users.

1.2.3 Quality assurance requirement

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

The European standard DIN EN 13126 consists of 19 parts. It covers hardware for windows and balcony doors. Part 3 of this series of standards has been completely revised (edition 04 / 2023) and defines requirements and test procedures for actuation handles, in particular for Tilt&Turn, TiltFirst and Turn-Only hardware, using an eight-digit classification key. Details of the classification key, which has been standardised for all parts of the standard, are given below.

The European standard does not define any requirements for the dimensions of the window handles. These are specified in DIN 18267 (e.g. square spindle □ 7 mm, centre distance of screw fixing 43 mm).

1.2.3.1 Classification key in DIN EN 13126-3

Example classification key H2/180-0-3-0-2-3-C1-2: lockable window handle RAL 100 in accordance with EN 13126-3

First digit: durability

Example: **H2/180**-0-3-0-2-3-C1-2

Class	Description
H1/90	5000 Turn-Only cycles
H2/90	10,000 Turn-Only cycles
H3/90	20,000 Turn-Only cycles
H1/180	5000 Tilt&Turn cycles
H2/180	10,000 Tilt&Turn cycles
H3/180	20,000 Tilt&Turn cycles

Second digit: mass

Example: H2/180-**0**-3-0-2-3-C1-2

Class	Description
0	No requirement

Third digit: corrosion resistance

Example: H2/180-0-**3**-0-2-3-C1-2

Class	Description	DIN EN 1670
0	No defined corrosion resistance	No defined corrosion resistance
1	At least class 1 according to DIN EN 1670	Low resistance
2	At least class 2 according to DIN EN 1670	Moderate resistance
3	At least class 3 according to DIN EN 1670	High resistance
4	At least class 4 according to DIN EN 1670	Very high resistance
5	At least class 5 according to DIN EN 1670	Exceptionally high resistance

Fourth digit: test size

Example: H2/180-0-3-**0**-2-3-C1-2

Class	Description
0	No requirement

Fifth digit: protection against burglary

(in accordance with additional test parameters)

Example: H2/180-0-3-0-**2**-3-C1-2

Class	Description
0	No protection
1	35 Nm resistance against twisting-off and forcing-off
2	100 Nm [1] Resistance against twisting-off and forcing-off
3	200 Nm [2] Resistance against twisting-off and forcing-off

Sixth digit: key-related security

(in accordance with additional test parameters)

Example: H2/180-0-3-0-2-**3**-C1-2

Class	Description
0	No locking mechanism
1	Deadbolt locking mechanism
2	Keyed locking mechanism with ≥ 25 locking varieties
3	Keyed locking mechanism with ≥ 100 locking varieties

[1] Alternatively, breaking torque ≥ 40 Nm with full blocking function

[2] Alternatively, breaking torque ≥ 50 Nm with full blocking function

Seventh digit: Handle type

(type of actuation handle)

Example: H2/180-0-3-0-2-3-**C1**-2

Class	Description	Handle version
N1	N = without locking function	1 = window handle
N2	N = without locking function	2 = espagnolette handle
C1	C = with locking function	1 = window handle
C2	C = with locking function	2 = espagnolette handle

Eighth digit: category of use

Example: H2/180-0-3-0-2-3-C1-**2**

Class	Description		
1	Cogging torques before and after the durability test	Between-clicks torque Click-out torque Difference	$M_0 \leq 1.4$ Nm $M_a \leq 6.0$ Nm $M_d \geq 0.4$ Nm
	Free play perpendicular and parallel to the mounting plane		$\Delta \leq 6$ mm
	Torsional strength 200 N / 85 mm / 30 s	Permissible deformation	$\Delta \leq 5$ mm
	Tensile strength of spindle joining		F ≥ 100 N
	Eccentric tensile strength		F ≥ 600 N
2	Cogging torques before and after the durability test	Between-clicks torque Click-out torque Difference	$M_0 \leq 0.8$ Nm $M_a \leq 4.0$ Nm $M_d \geq 0.8$ Nm
	Free play perpendicular and parallel to the mounting plane		$\Delta \leq 4$ mm
	Torsional strength 200 N / 85 mm / 30 s	Permissible deformation	$\Delta \leq 5$ mm
	Tensile strength of spindle joining		F ≥ 100 N
	Eccentric tensile strength		F ≥ 1200 N

For the example, this means:

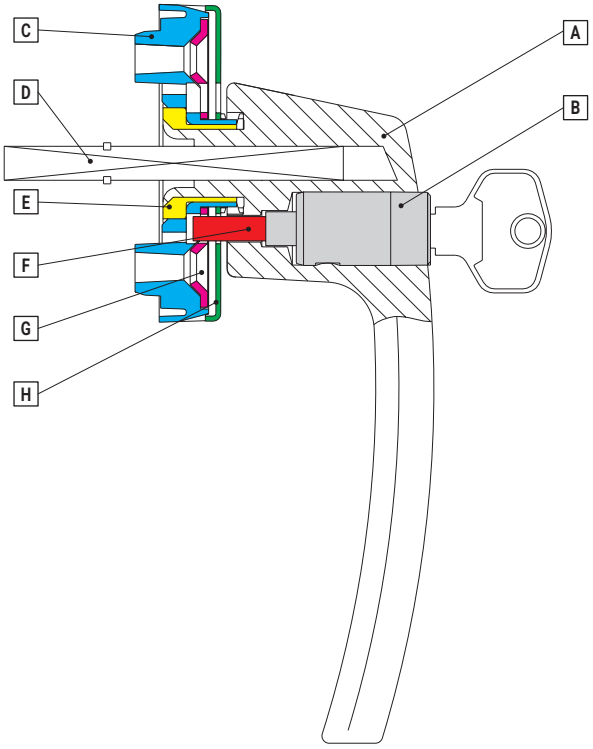
	Class	Description		
Durability	H2/180	10,000 Tilt&Turn cycles		
Mass	0	No requirement		
Corrosion resistance	3	At least class 2 according to EN 1670		
Test size	0	No requirement		
Protection against burglary	2	100 Nm, resistance against twisting-off and forcing-off		
Key-related security	3	Keyed locking mechanism with ≥ 100 locking varieties		
Handle type	C1	C = with locking function 1 = window handle		
Category of use	2	Cogging torques before and after the durability test	Between-clicks torque Click-out torque Difference	$M_0 \leq 0.8$ Nm $M_a \leq 4.0$ Nm $M_d \geq 0.8$ Nm
		Free play perpendicular and parallel to the mounting plane		$\Delta \leq 4$ mm
		Torsional strength 200 N / 85 mm / 30 s	Permissible deformation	$\Delta \leq 5$ mm
		Tensile strength of spindle joining		F ≥ 100 N
		Eccentric tensile strength		F ≥ 1200 N

1.2.4 Functionality

1.2.4.1 Lockable window handle

Roto lockable handles 100 Nm – the convenient security grade:

- Lockable window handle tested to a torque of 100 Nm[3]: 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

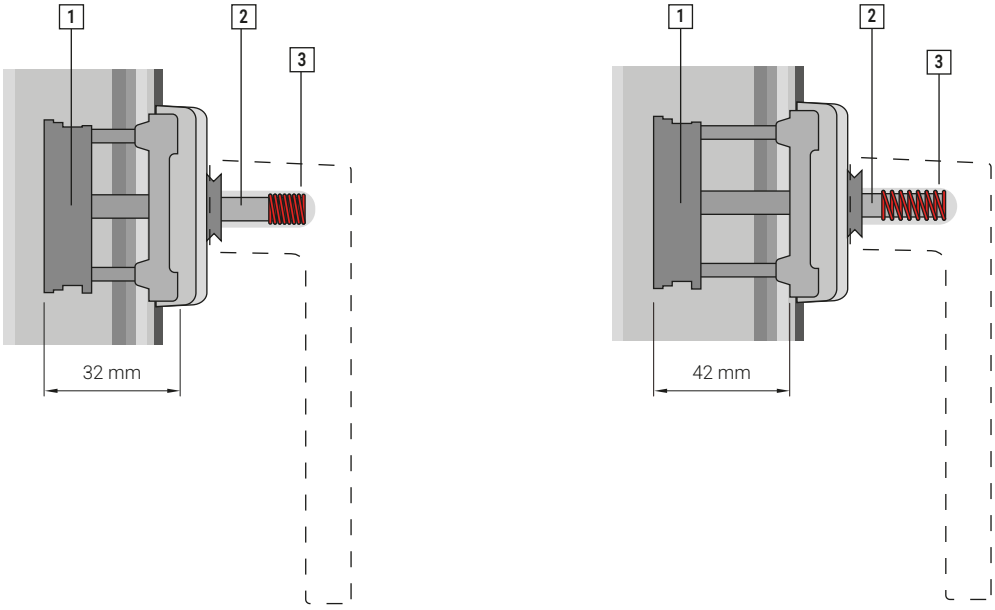


Assignment	Meaning
[A]	Window handle
[B]	Locking cylinder with turn-key
[C]	Escutcheon-cover body
[D]	Spindle
[E]	Stop-notch bushing
[F]	Locking pin
[G]	Locking plate
[H]	Cover cap

[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.

1.2.4.2 VarioFit

One handle, many possibilities



[1] Espagnolette
[2] Square spindle
[3] VarioFit compression spring

VarioFit makes flexibility the default. The handles can be used wherever different spindle lengths would otherwise be required, and offer maximum versatility for installation and retrofitting.

As such, Roto Square expertly handles different profile situations while reducing the variety of versions and storage requirements. This results in simpler processes, more efficient logistics and more certain planning.

Real added value for new builds and renovations. And a range of handles optimised with cost-effectiveness in mind

VarioFit is a trademark of HOPPE Holding AG.

Advantages

- Flexible adaptation
- Simple retrofitting
- Design and quality
- Time and cost savings

1.2.4.3 Secustik

Security you can hear

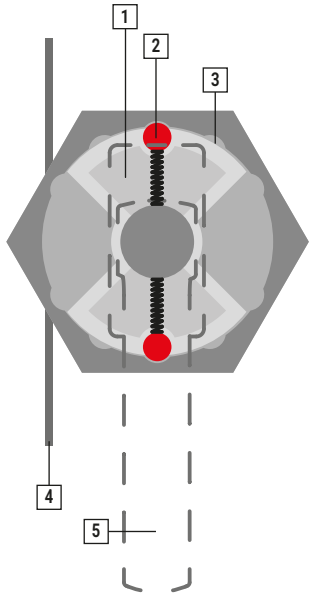
With Secustik, Roto offers handles which have an effective security mechanism integrated into the handle itself. This blocking mechanism provides reliable protection against being tampered with from the outside. It allows the handle to be operated in the usual way from the inside, but blocks all unauthorised access from the outside. This is where tested security comes into play. The quiet clicking noise that can be heard during adjustment indicates this in a noticeable way. Subtle design, impressive performance.

Secustik is a trademark of HOPPE Holding AG.

Advantages

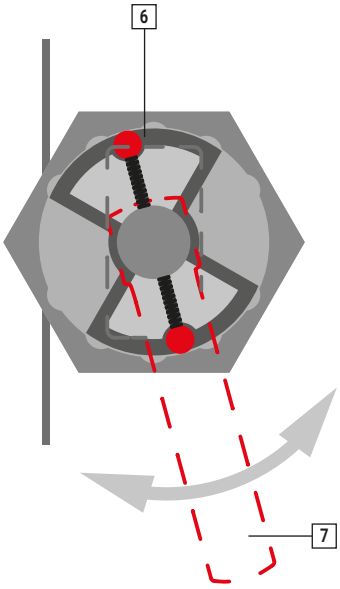
- Provides reliable protection against being tampered with from the outside
- Clicking sound confirms active security
- Hidden technology for ultimate operating convenience

Window handle with Secustik



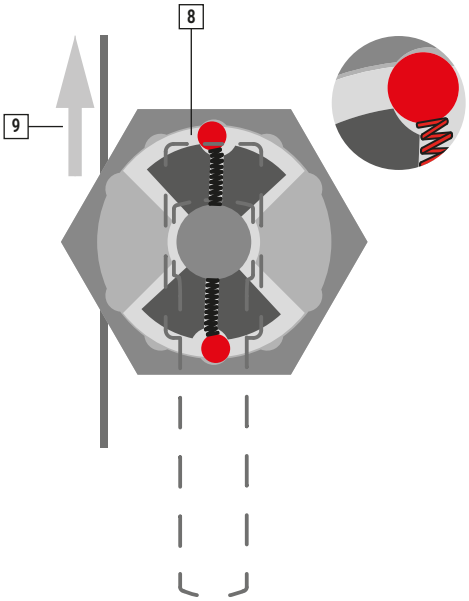
[1] Coupling element
[2] Spring-loaded locking bolts
[3] Recess in the housing
[4] Hardware
[5] Secustik handle

Actuation of the window handle



[6] Coupling element moves the locking bolts with it
[7] Turning the handle

Tampering from the outside



[8] Locking bolts block immediately
[9] Tampering

This is how Secustik works

The Secustik handle features a blocking mechanism. When the handle is turned, spring-loaded locking bolts audibly engage in recesses in the housing.

During this motion, a coupling element moves the locking bolts with it. These engage one by one in further recesses, indicated each time by a clearly audible noise. This means the handle can be operated with control and precision at all times.

And this is how Secustik provides effective protection against break-in attempts

If someone attempts to turn the handle from the outside, a second coupling element is activated. This firmly presses the locking bolts into the recesses in the housing.

The handle is blocked immediately. It cannot be turned from the outside. The break-in attempt is unsuccessful.

1.2.4.4 TiltFirst

Advanced security for more control

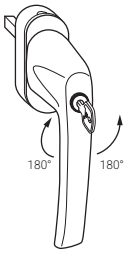
The lockable TiltFirst window handles from Roto follow the established security principle of tilt before turn. In the tilt position, the window sash remains reliably locked. It can only be opened fully once it has been deliberately unlocked. As such, TiltFirst makes controlled ventilation possible while providing greater protection where it is needed. Security that works intuitively and integrates seamlessly into daily life.

Locking and unlocking

The key is able to lock or unlock the handle. When unlocked, the handle can be moved.

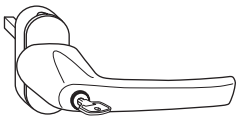
Locking: turn the key 180° anticlockwise.

Unlocking: turn the key 180° clockwise.



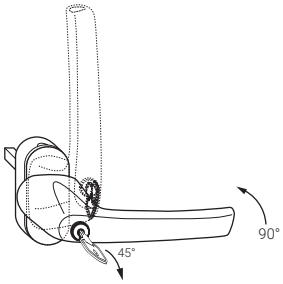
Tilting

Turn the unlocked handle 90° (tilt position = horizontal) to tilt the window. Without a key, the handle now cannot be turned any further or moved to the turn position (vertical).



Turning

Requirement: move the handle to the tilt position (horizontal) when the window is closed. Turn the key 45° and hold it there while turning the handle 90° and moving it to the turn position (vertical). TiltFirst window handles should only be used when the window is closed.



The lockable Roto TiltFirst window handles (tilt before turn) lock the window sash in the tilt position when the handle is in the horizontal position. The lockable handle makes it impossible to move the window from a tilted to a turn position without fully opening it. This is only possible after the handle is unlocked again.

The handle has a free-running mechanism between the locked and tilt position (unlocking the cylinder is not necessary) so that it is possible to operate the ventilation. A blocking mechanism is located at the stop for the 90° tilt position. It is only possible to move the window further into the 180° turn position once the cylinder has been unlocked.

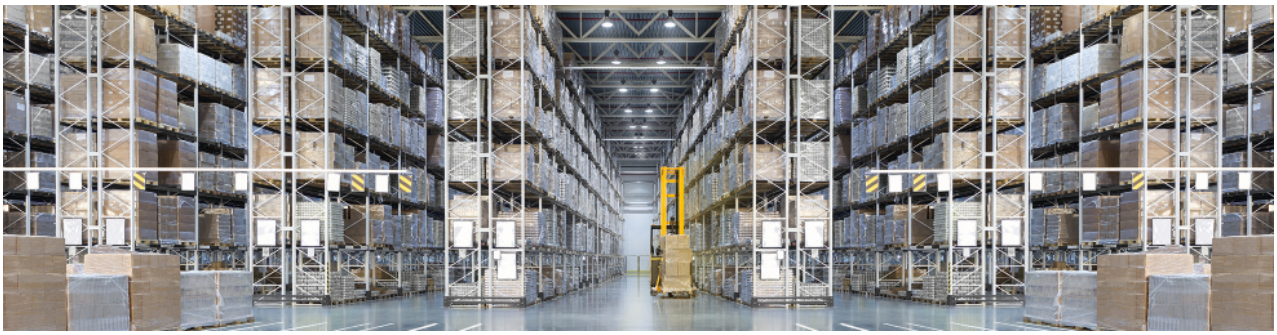
The handle can also be locked in the 0° locked position, meaning that it has an additional burglar inhibiting security function. In addition, this innovative handle also boasts a unique automatic locking function which blocks the opening function in the 180° turn position even “without locking the cylinder”. Important: the TiltFirst function can only be ensured when suitable TF hardware or Tilt-Only / Turn-Only hardware is being used.

Each Roto TiltFirst window handle comes with a label providing a simple explanation of the TiltFirst function.

1.2.5 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.

1.3 Storage conditions



Protecting components against dirt and dust

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

Protecting components against mechanical damage

Only transport and handle the containers using suitable means of transport or conveyance (forklifts, 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.

Protecting components against direct moisture and wet

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.

Only store components 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 packaging material

.

1.5 Certifications

1.5.1 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.



Certificate

Certificate-No.: 791-9004105-1-3

ift ROSENHEIM

Subject
Quality Management System DIN EN ISO 9001:2015

Company (Headquarters)
Roto Frank Fenster- und Türtechnologie GmbH
Wilhelm-Frank Platz 1
DE - 70771 Leinfelden-Echterdingen

Roto

Scope of the headquarters
Development, design, production and sales of window and door technology

Further sites
see appendix to the certificate

Scopes of the sites
This Certificate has been issued on the basis of the rules for sites certification. The higher ranking company (headquarters) is responsible for the maintenance and further development of the management system as well as the control of central tasks.

Rules for sites certification
During the certification-audit it was demonstrated that the company and all sites listed in this certificate have established and are applying a quality management system in accordance with DIN EN ISO 9001:2015 "Quality Management Systems-Requirements".

Christian Kehrer
Head of Certification and Surveillance Body

ift Rosenheim
18.05.2024

Initial certification: 18.05.2021
Contract No.: 791 9004105
Valid until: 17.05.2027

Basis:
ISO 9001

Validity
The certificate is valid for three years. During this time the company is surveyed annually. The certificate is only valid in combination with the accompanying certification and surveillance contract. ift-Q-Zert shall be informed immediately in writing of all changes to the qualifications for certification and supplied with copies of all resulting new management documents.

Notes on Publication
The certificate shall only be reproduced unchanged. Regulations for the use of reports are given in the „Allgemeine Bedingungen für die Zertifizierung von Managementsystemen".

The company is entitled to use the "ift-certified" mark in accordance with the ift "Zeichensatzung" (Rules on the use of the ift-mark).

ift ZERTIFIZIERT CERTIFIED

Identity Check

www.ift-rosenheim.de/ift-zertifiziert
ID: 266-BCDA2

ift Rosenheim GmbH
Theodor-Gietl-Str. 7-9
D-83026 Rosenheim

Contact
Phone +49 8031 261-0 info@ift-rosenheim.de
Fax +49 8031 261-290 www.ift-rosenheim.de

Accredited Certification Body for Management Systems
EN ISO/IEC 17021-1

IAF DAkkS

1.5.2 International Technology Centre (ITC)

Roto has owned a modern International Technology Centre (ITC) at its Leinfelden 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.



DAkkS
Deutsche
Akkreditierungsstelle

Deutsche Akkreditierungsstelle GmbH

Beliehene gemäß § 8 Absatz 1 AkkStelleG i.V.m. § 1 Absatz 1 AkkStelleGBV
Unterzeichnerin der Multilateralen Abkommen
von EA, ILAC und IAF zur gegenseitigen Anerkennung

Akkreditierung

Die Deutsche Akkreditierungsstelle GmbH bestätigt hiermit, dass das Prüflaboratorium

Roto Frank Fenster- und Türtechnologie GmbH
Internationales Technologie Center (ITC)

an den Standorten

Wilhelm-Frank-Platz 1, 70771 Leinfelden-Echterdingen
Lapp-Finze-Straße 21, A-8401 Kalsdorf, Österreich

die Kompetenz nach DIN EN ISO/IEC 17025:2018 besitzt, Prüfungen in folgenden Bereichen durchzuführen:

mechanisch-technologische Prüfungen von Fassadenelementen wie Fenster, Türen und Beschläge;
mechanisch-technologische Prüfungen von metallischen Werkstoffen sowie Korrosionsprüfungen

Die Akkreditierungsurkunde gilt nur in Verbindung mit dem Bescheid vom 01.10.2021 mit der Akkreditierungsnummer D-PL-21397-01. Sie besteht aus diesem Deckblatt, der Rückseite des Deckblatts und der folgenden Anlage mit insgesamt 3 Seiten.

Registrierungsnummer der Urkunde: **D-PL-21397-01-00**

Berlin, 01.10.2021

Im Auftrag Dr. Heike Manke
Abteilungsleiterin

Die Urkunde samt Urkundenanlage gibt den Stand zum Zeitpunkt des Ausstellungsdatums wieder. Der jeweils aktuelle Stand des Geltungsbereiches der Akkreditierung ist der Datenbank akkreditierter Stellen der Deutschen Akkreditierungsstelle GmbH (DAkkS) zu entnehmen. https://www.dakks.de/content/datenbank-akkreditierter-stellen

Siehe Hinweise auf der Rückseite

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 sector. The requirements for this are an extensive quality management system, trained personnel, high-quality test rigs and measuring instruments, as well as continuous external monitoring by the accreditation authorities.

1.6 Roto Con Orders

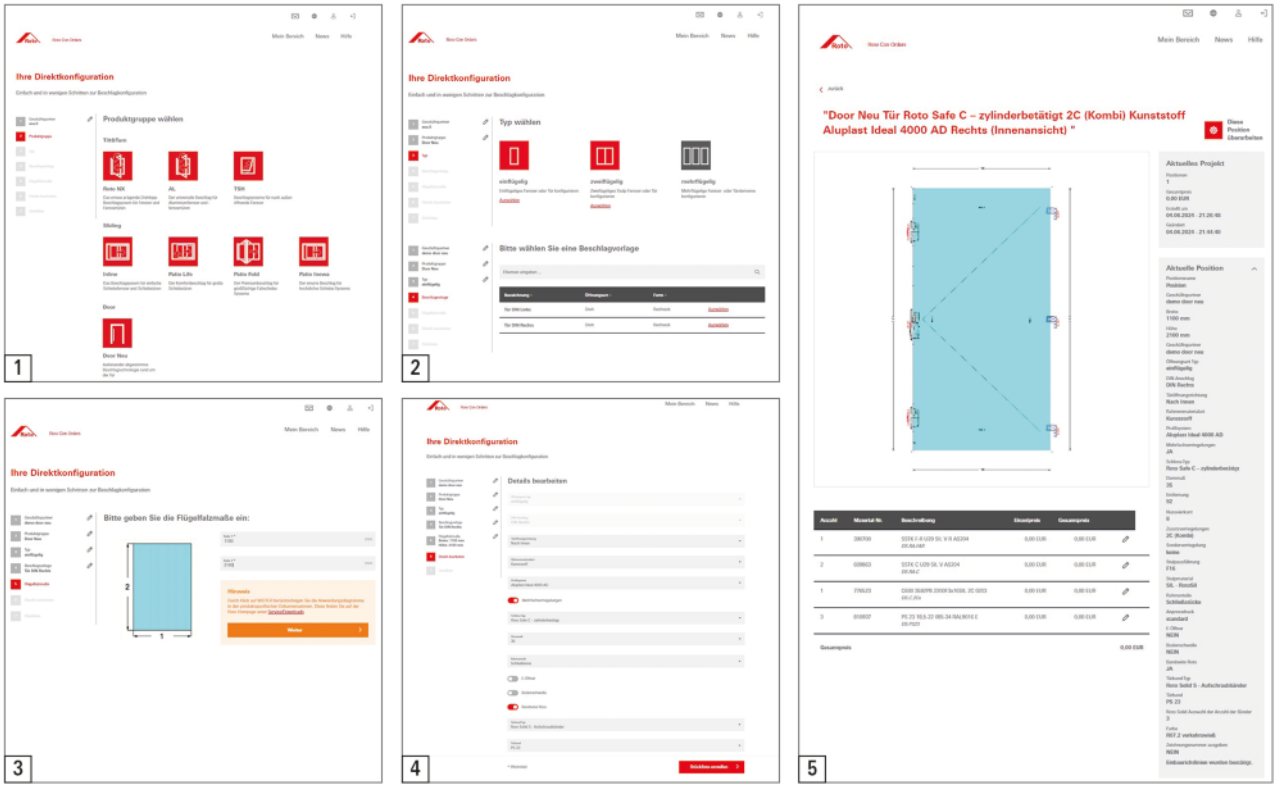


Just four steps for a finished parts list

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 itemising is finished. The list can be changed, adapted 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 adaptations

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:

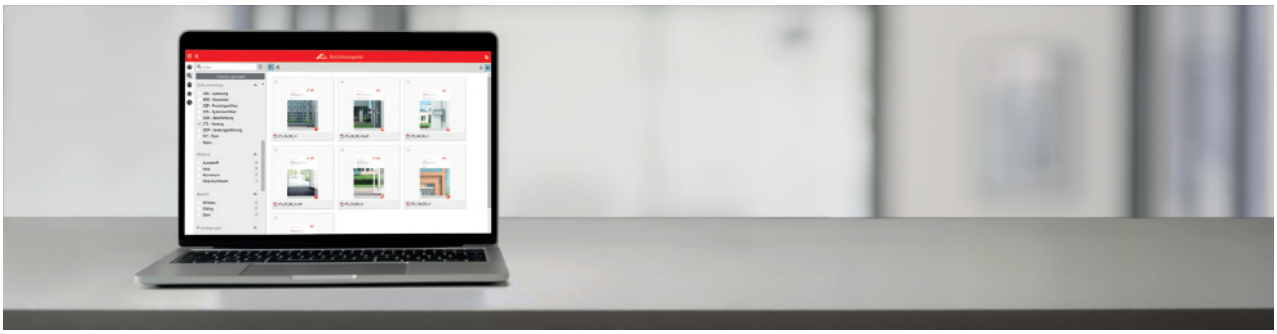
- Store your own company addresses and logos in the header of your offers
- Create and manage customer-specific projects
- Generate individual customer hardware templates
- Integrate a discount structure system
- Material master management
- Due to its responsive design, it can be used on all devices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

1.7 Roto media portal



Simple and quick

The Roto media portal is where all media is available, such as catalogues, installation instructions, brochures and interactive installation videos. Access to this portal is optimised for PCs, laptops and mobile devices.

The clear user interface and the numerous search options ensure that all available media can be found simply and quickly. Content can be read directly in the Roto media portal or downloaded for later.

The Roto media portal can be accessed via the “Downloads” link in the “Service” main menu item on the Roto website or directly using the links below.

www.roto-frank.com

1.8 Further Roto products

1.8.1 Roto Window

Tilt&Turn – Tilt&Turn hardware systems for windows and balcony doors

Timber, PVC and aluminium for a 16 mm hardware groove



Roto NX | T

The universal hardware system for modern windows and balcony doors for timber profiles



Roto NX | P

The universal hardware system for modern windows and balcony doors for PVC profiles



Roto NX | A16

The universal hardware system for modern windows and balcony doors for aluminium profiles with a 16 mm hardware groove



Roto NX | Power Hinge

The universal hardware system for modern windows and balcony doors for timber profiles



Roto NX | C

The universal hardware system for modern windows and balcony doors for timber and PVC profiles



Roto NX | Designo A16

The universal hardware system for modern windows and balcony doors for aluminium profiles with a 16 mm hardware groove

Aluminium



Roto AL

Universal hardware for aluminium windows and balcony doors



Roto AL Designo

Concealed hardware for aesthetic aluminium windows and balcony doors

Outward Opening – Hardware systems for outward opening windows



Roto FS Kempton

Stainless-steel friction stays for outward opening windows



Roto PS Aintree

Parallel stainless-steel friction stays for outward opening windows



Roto FRH Uni

Fully reversible hinges for outward opening windows

1.8.2 Roto Sliding

Roto Patio – High-quality sliding windows and sliding doors



Roto Patio Fold

The robust hardware system for large Fold&Slide elements



Roto Patio Lift

The versatile hardware system for large Lift&Slide elements



Roto Patio Alversa

The universal hardware system for parallel Tilt&Slide elements



Roto Patio Inowa

The smart hardware system for tightly sealed parallel retraction sliding elements



Roto Patio Inline

The reliable hardware system for Parallel Sliding elements

1.8.3 Roto Door

Roto Safe – The modular multipoint locking system for doors



Roto Safe H

Mechanical multipoint lockings for lever-handle-operated doors



Roto Safe C

Mechanical multipoint lockings for cylinder-operated doors



Roto Safe A

Mechanical-automatic multipoint lockings for doors



Roto Safe E

Electromechanical multipoint lockings for doors



Roto Safe P

Mechanical multipoint lockings for escape and panic doors

Roto Solid – Comprehensive range of door hinges



Roto Solid S

Screw-on hinges for doors



Roto Solid B

Butt hinges for doors



Roto Solid C

Concealed hinges for doors

Roto Eifel – Thresholds for doors and balcony doors



Roto Eifel

The varied range of thresholds for doors and balcony doors

1.8.4 Equipment

Roto Drive&Control – Electronic components for windows and doors



Roto E-Tec Drive

The concealed drive for windows



Roto E-Tec Control

Wired sensors for security technology and room climate



Roto Com-Tec Sensor

Wireless sensors integrated in hardware for home security

Roto Handles – Handles for all opening types



Roto Square

The line of minimalist handles



Roto Line

The line of classic handles



Roto Swing

The line of curved handles



Roto Samba

The line of understated handles

Roto Fix&Glazing – Installation and glazing solutions for windows and doors



Roto Glas-Tec

Customised solutions for safe glazing

1.9 Contact

Roto Frank
Fenster- und Türtechnologie GmbH
Wilhelm-Frank-Platz 1
70771 Leinfelden-Echterdingen
Germany
Phone +49 711 7598 0
Fax +49 711 7598 253
info@roto-frank.com
www.roto-frank.com

Roto NX





Roto Square

Standard	42
Standard – VarioFit	43
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Night ventilation	45
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Lockable 40 Nm	47
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Secustik – night ventilation and VarioFit	55
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Half-set on the outside with escutcheon	57
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Roto Line

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Night ventilation	62
Push-to-open	64
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Lockable 40 Nm – TiltFirst	67
Lockable 100 Nm	69
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Escutcheon for service handle	75
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Roto Swing

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Push-to-open	84
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Lockable 40 Nm – TiltFirst	86
Lockable 100 Nm	87
Secustik	88
Secustik – night ventilation	90
Handle set with escutcheons	92

Roto Samba

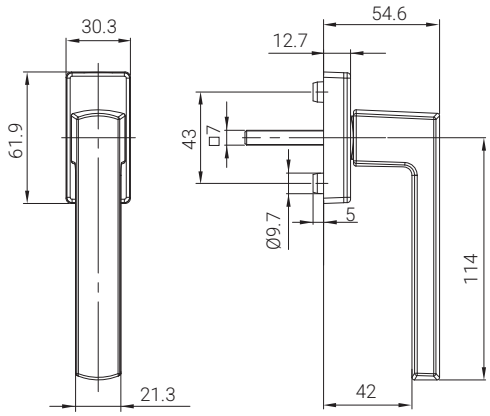
Standard	93
Night ventilation	94
Push-to-open	95
Lockable 40 Nm	96
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Lockable 100 Nm	98
Secustik	99
Handle set with escutcheons	100
Handle set with escutcheons – flat handle on the outside	101

2 Roto NX

2.1 Roto Square

2.1.1 Standard





Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

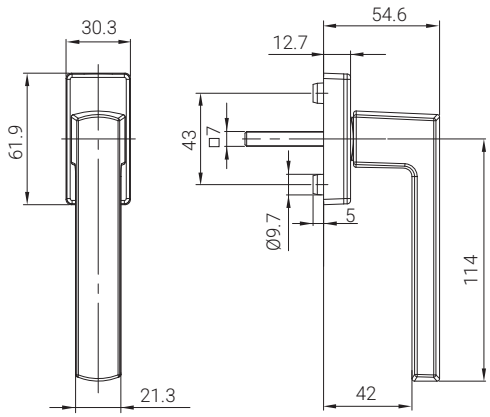
Scope of delivery

- 1 handle
- For fixing screws, see table

24	R01.1	Natural silver	anod.	Y	2	M5x35	10 Piece(s)	2048704
	R06.2M	Jet black, matt	powd-c	Y	2	M5x35	10 Piece(s)	2048706
	R07.2	Traffic white	powd-c	Y	2	M5x35	10 Piece(s)	2048705
30	R01.1	Natural silver	anod.	Y	2	M5x40	10 Piece(s)	2048708
	R06.2M	Jet black, matt	powd-c	Y	2	M5x40	10 Piece(s)	2048711
	R07.2	Traffic white	powd-c	Y	2	M5x40	10 Piece(s)	2048709
37	R01.1	Natural silver	anod.	Y	2	M5x45	10 Piece(s)	2048712
	R01.3	Titanium	anod.	Y	2	M5x45	10 Piece(s)	2048713
	R05.5	Bronze	anod.	Y	2	M5x45	10 Piece(s)	2048716
	R06.2M	Jet black, matt	powd-c	Y	2	M5x45	10 Piece(s)	2048717
	R07.2	Traffic white	powd-c	Y	2	M5x45	10 Piece(s)	2048714
43	R01.1	Natural silver	anod.	Y	2	M5x50	10 Piece(s)	2048720
	R01.3	Titanium	anod.	Y	2	M5x50	10 Piece(s)	2048723
	R05.5	Bronze	anod.	Y	2	M5x50	10 Piece(s)	2048721
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	10 Piece(s)	2048722
	R07.2	Traffic white	powd-c	Y	2	M5x50	10 Piece(s)	2048719

2.1.2 Standard – VarioFit





Product description

- Basic handle with VarioFit
  Flexible use thanks to compression spring
- Spindle length from 32 to 42 mm
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

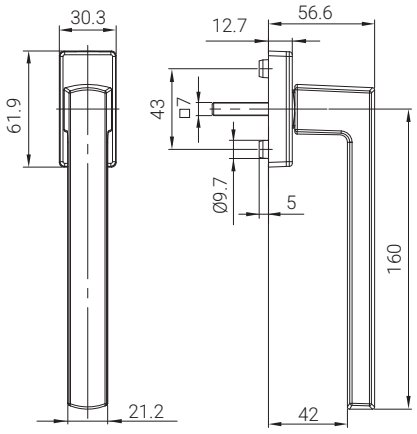
Scope of delivery

- 1 handle
- For fixing screws, see table

VarioFit	R01.1	Natural silver	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048727
	R06.2M	Jet black, matt	powd-c	Y	4	M5x45 M5x50	10 Piece(s)	2048729
	R07.2	Traffic white	powd-c	Y	4	M5x45 M5x50	10 Piece(s)	2048726

2.1.3 Standard – 160 mm





Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

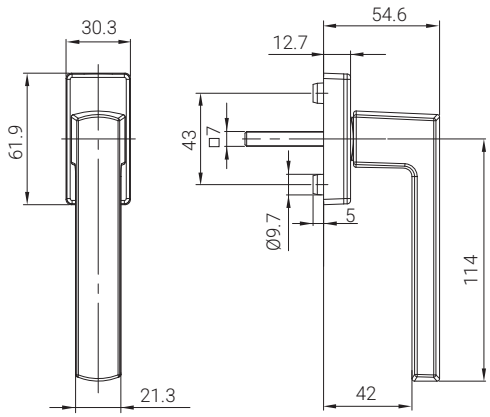
Scope of delivery

- 1 handle
- For fixing screws, see table

	Roto		Roto		#			№
35	R01.1	Natural silver	Y	anod.	2	M5x45	1 Piece(s)	2048940
	R01.3	Titanium	Y	anod.	2	M5x45	1 Piece(s)	2048941
	R05.5	Bronze	Y	anod.	2	M5x45	1 Piece(s)	2048939
	R06.2M	Jet black, matt	Y	powd-c	2	M5x45	1 Piece(s)	2048943
	R07.2	Traffic white	Y	powd-c	2	M5x45	1 Piece(s)	2048938
43	R01.1	Natural silver	Y	anod.	2	M5x50	1 Piece(s)	2048944
	R01.3	Titanium	Y	anod.	2	M5x50	1 Piece(s)	2048945
	R05.5	Bronze	Y	anod.	2	M5x50	1 Piece(s)	2048948
	R06.2M	Jet black, matt	Y	powd-c	2	M5x50	1 Piece(s)	2048950
	R07.2	Traffic white	Y	powd-c	2	M5x50	1 Piece(s)	2048947

2.1.4 Night ventilation





Product description

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

  45° lock-in position for night ventilation

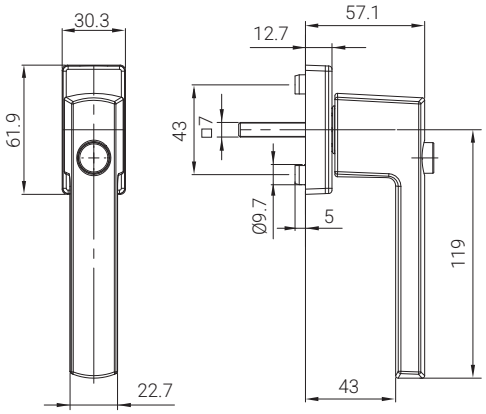
Scope of delivery

- 1 handle
- For fixing screws, see table

37	R01.1	Natural silver	anod.	Y	2	M5x45	10 Piece(s)	2048737
	R01.3	Titanium	anod.	Y	2	M5x45	10 Piece(s)	2048740
	R05.5	Bronze	anod.	Y	2	M5x45	10 Piece(s)	2048738
	R06.2M	Jet black, matt	powd-c	Y	2	M5x45	10 Piece(s)	2048739
	R07.2	Traffic white	powd-c	Y	2	M5x45	10 Piece(s)	2048736

2.1.5 Push-to-open







Product description

- Handle with push-to-open mechanism
- The push-to-open function makes locking and unlocking possible
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

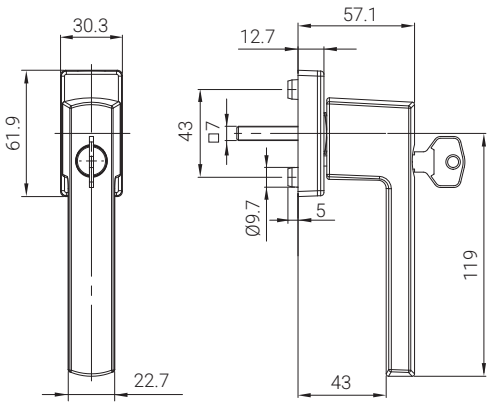
Scope of delivery

- 1 handle
- For fixing screws, see table

	Roto		Roto		#			№
43	R01.1	Natural silver	Y	anod.	2	M5x55	10 Piece(s)	2048841
	R06.2M	Jet black, matt	Y	powd-c	2	M5x55	10 Piece(s)	2048843
	R07.2	Traffic white	Y	powd-c	2	M5x55	10 Piece(s)	2048840

2.1.6 Lockable 40 Nm





Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

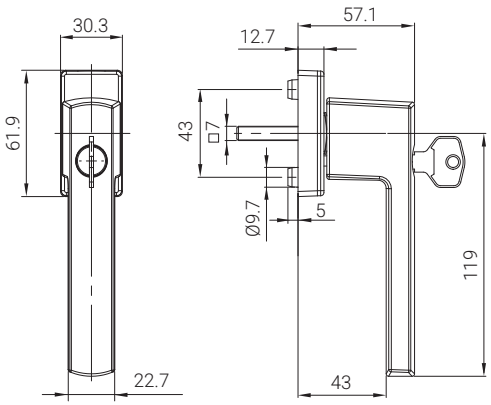
Scope of delivery

- 1 handle
- 1 key
- For fixing screws, see table

37	R01.1	Natural silver	anod.	Y	2	M5x45	10 Piece(s)	2048801
	R06.2M	Jet black, matt	powd-c	Y	2	M5x45	10 Piece(s)	2048803
	R07.2	Traffic white	powd-c	Y	2	M5x45	10 Piece(s)	2048800
43	R01.1	Natural silver	anod.	Y	2	M5x50	10 Piece(s)	2048808
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	10 Piece(s)	2048810
	R07.2	Traffic white	powd-c	Y	2	M5x50	10 Piece(s)	2048807

2.1.7 Lockable 40 Nm – VarioFit





Product description

- Lockable handle with tested torque of 40 Nm and VarioFit (basic security)
  Flexible use thanks to compression spring
- Spindle length from 32 to 42 mm
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

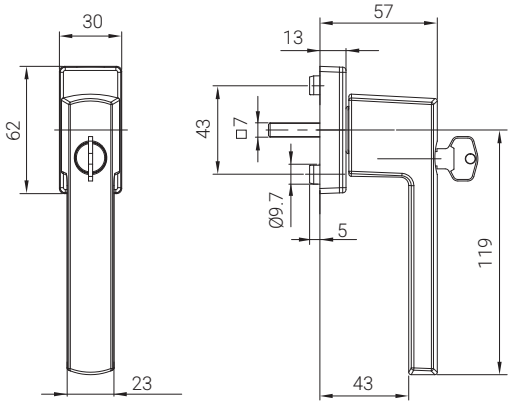
Scope of delivery

- 1 handle
- 1 key
- For fixing screws, see table

VarioFit	R01.1	Natural silver	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048815
	R01.3	Titanium	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048818
	R05.5	Bronze	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048816
	R06.2M	Jet black, matt	powd-c	Y	4	M5x45 M5x50	10 Piece(s)	2048817
	R07.2	Traffic white	powd-c	Y	4	M5x45 M5x50	10 Piece(s)	2048814

2.1.8 Lockable 40 Nm – TiltFirst





Product description

- For window systems with the TiltFirst application (tilting before turning)
- Closure: rotary cylinder with reversible key
- Can be locked in the 0° and 90° position
- 90° lock-in position

Scope of delivery

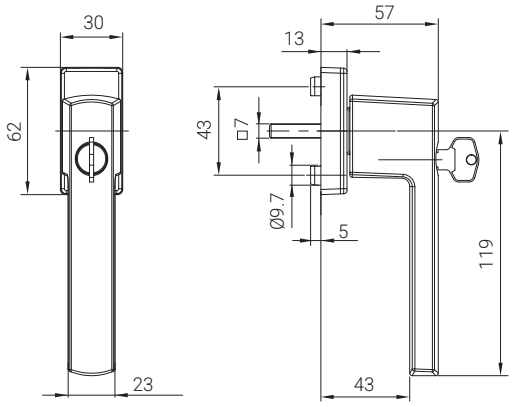
- 1 handle
- 1 key
- For fixing screws, see table

INFO
Further information on TiltFirst → *from page 23*.

	Roto			Roto	#			№
37	R01.1	Natural silver	anod.	Y	2	M5x45	10 Piece(s)	2048848
	R01.3	Titanium	anod.	Y	2	M5x45	10 Piece(s)	2048851
	R05.5	Bronze	anod.	Y	2	M5x45	10 Piece(s)	2048849
	R06.2M	Jet black, matt	powd-c	Y	2	M5x45	10 Piece(s)	2048850
	R07.2	Traffic white	powd-c	Y	2	M5x45	10 Piece(s)	2048847
43	R01.1	Natural silver	anod.	Y	2	M5x50	10 Piece(s)	2048855
	R01.3	Titanium	anod.	Y	2	M5x50	10 Piece(s)	2048858
	R05.5	Bronze	anod.	Y	2	M5x50	10 Piece(s)	2048856
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	10 Piece(s)	2048857
	R07.2	Traffic white	powd-c	Y	2	M5x50	10 Piece(s)	2048854

2.1.9 Lockable 40 Nm – TiltFirst – VarioFit





Product description

- For window systems with the TiltFirst application (tilting before turning)
- Lockable handle with tested torque of 40 Nm and VarioFit (basic security)
  Flexible use thanks to compression spring
- Spindle length from 32 to 42 mm
- Closure: rotary cylinder with reversible key
- Can be locked in the 0° and 90° position
- 90° lock-in position

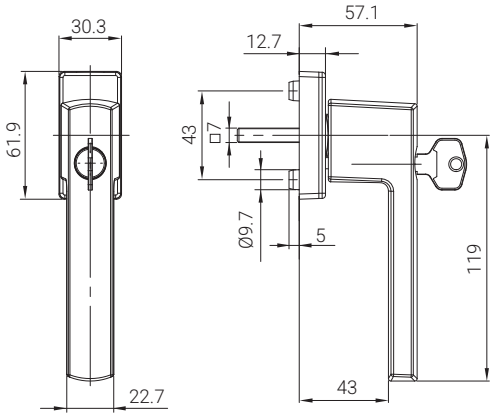
Scope of delivery

- 1 handle
- 1 key
- For fixing screws, see table

VarioFit	R01.1	Natural silver	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048862
	R06.2M	Jet black, matt	powd-c	Y	4	M5x45 M5x50	10 Piece(s)	2048864
	R07.2	Traffic white	powd-c	Y	4	M5x45 M5x50	10 Piece(s)	2048861

2.1.10 Lockable 100 Nm





Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

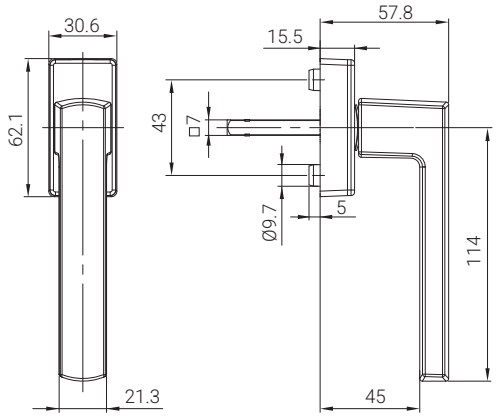
- 1 handle
- 1 key
- For fixing screws, see table

INFO
Further information on lockable handles → *from page 20*.

37	R01.1	Natural silver	Y	anod.	2	M5x45	10 Piece(s)	2048820
	R06.2M	Jet black, matt	Y	powd-c	2	M5x45	10 Piece(s)	2048822
	R07.2	Traffic white	Y	powd-c	2	M5x45	10 Piece(s)	2048819
43	R01.1	Natural silver	Y	anod.	2	M5x55	10 Piece(s)	2048827
	R06.2M	Jet black, matt	Y	powd-c	2	M5x55	10 Piece(s)	2048829
	R07.2	Traffic white	Y	powd-c	2	M5x55	10 Piece(s)	2048826

2.1.11 Secustik





Product description

- Protection against being tampered with from the outside
- Clicking sound confirms active security
- Blocking mechanism as integrated basic security
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

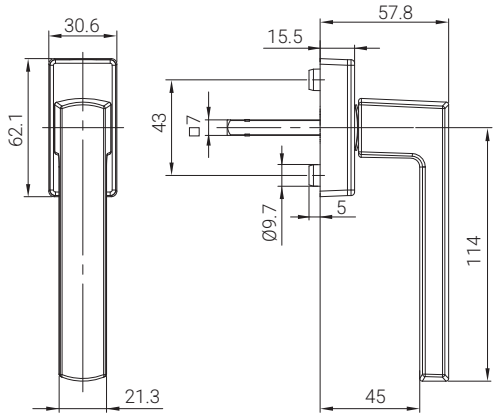
- 1 handle
- For fixing screws, see table

INFO
Further information on Secustik → *from page 22*.

24	R01.1	Natural silver	anod.	Y	2	M5x35	10 Piece(s)	2048751
	R06.2M	Jet black, matt	powd-c	Y	2	M5x35	10 Piece(s)	2048752
	R07.2	Traffic white	powd-c	Y	2	M5x35	10 Piece(s)	2048750
37	R01.1	Natural silver	anod.	Y	2	M5x50	10 Piece(s)	2048759
	R01.3	Titanium	anod.	Y	2	M5x50	10 Piece(s)	2048762
	R05.5	Bronze	anod.	Y	2	M5x50	10 Piece(s)	2048760
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	10 Piece(s)	2048761
	R07.2	Traffic white	powd-c	Y	2	M5x50	10 Piece(s)	2048758
43	R01.1	Natural silver	anod.	Y	2	M5x55	10 Piece(s)	2048766
	R01.3	Titanium	anod.	Y	2	M5x55	10 Piece(s)	2048769
	R05.5	Bronze	anod.	Y	2	M5x55	10 Piece(s)	2048767
	R06.2M	Jet black, matt	powd-c	Y	2	M5x55	10 Piece(s)	2048768
	R07.2	Traffic white	powd-c	Y	2	M5x55	10 Piece(s)	2048765

2.1.12 Secustik – VarioFit





Product description

- Handle with VarioFit
  Flexible use thanks to compression spring
- Spindle length from 32 to 42 mm
- Protection against being tampered with from the outside
- Clicking sound confirms active security
- Blocking mechanism as integrated basic security
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

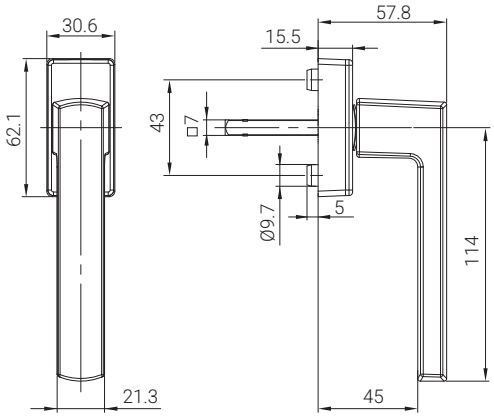
- 1 handle
- For fixing screws, see table

INFO
Further information on Secustik → *from page 22*.

	Roto			Roto	#			№
VarioFit	R01.1	Natural silver	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048773
	R01.3	Titanium	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048776
	R05.5	Bronze	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048774
	R06.2M	Jet black, matt	powd-c	Y	4	M5x45 M5x50	10 Piece(s)	2048775
	R07.2	Traffic white	powd-c	Y	4	M5x45 M5x50	10 Piece(s)	2048772

2.1.13 Secustik – night ventilation





Product description

- Protection against being tampered with from the outside
- Clicking sound confirms active security
- Blocking mechanism as integrated basic security
- 90° lock-in position

  45° lock-in position for night ventilation

Scope of delivery

- 1 handle
- For fixing screws, see table

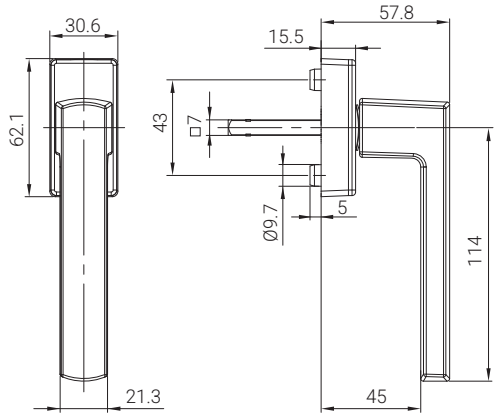
INFO

Further information on Secustik → *from page 22*.

37	R01.1	Natural silver	anod.	Y	2	M5x50	10 Piece(s)	2048780
	R01.3	Titanium	anod.	Y	2	M5x50	10 Piece(s)	2048783
	R05.5	Bronze	anod.	Y	2	M5x50	10 Piece(s)	2048781
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	10 Piece(s)	2048782
	R07.2	Traffic white	powd-c	Y	2	M5x50	10 Piece(s)	2048779

2.1.14 Secustik – night ventilation and VarioFit





Product description

- Handle with VarioFit
  Flexible use thanks to compression spring
- Spindle length from 32 to 42 mm
- Protection against being tampered with from the outside
- Clicking sound confirms active security
- Blocking mechanism as integrated basic security
- 90° lock-in position
  45° lock-in position for night ventilation

Scope of delivery

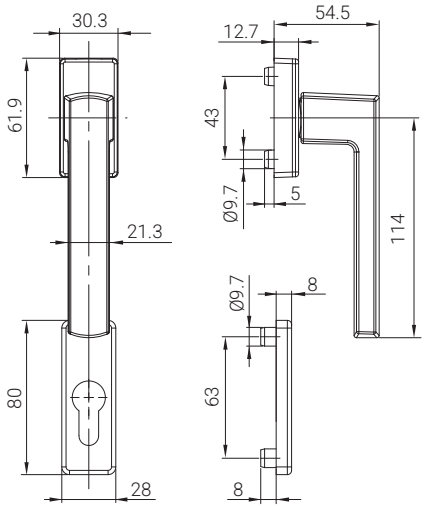
- 1 handle
- For fixing screws, see table

INFO
Further information on Secustik → *from page 22*.

	Roto			Roto	#			№
VarioFit	R01.1	Natural silver	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048794
	R01.3	Titanium	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048797
	R05.5	Bronze	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048795
	R06.2M	Jet black, matt	powd-c	Y	4	M5x45 M5x50	10 Piece(s)	2048796
	R07.2	Traffic white	powd-c	Y	4	M5x45 M5x50	10 Piece(s)	2048793

2.1.15 Half-set on the inside with escutcheon





Product description

- Inside: standard handle with profile cylinder escutcheon
- 90° lock-in position

Scope of delivery

- 1 handle
- 1 profile cylinder escutcheon

Roto			Roto	#			№
R01.1	Natural silver	anod.	Y	–	–	1 Piece(s)	2048866
R01.3	Titanium	anod.	Y	–	–	1 Piece(s)	2048869
R05.5	Bronze	anod.	Y	–	–	1 Piece(s)	2048867
R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2048868
R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2048865

Accessory set

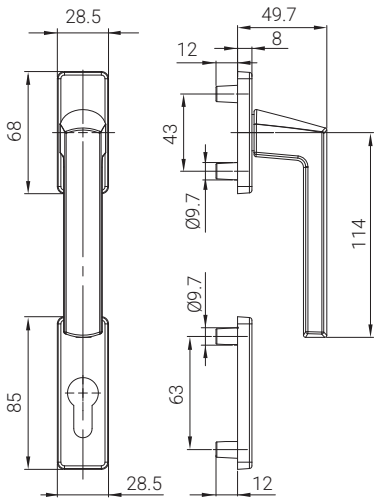
Scope of delivery

- 1 square spindle
- Screws: see table
- Spring

	#		№
130	4	M5x110	2054898
155	4	M5x110	2054899

2.1.16 Half-set on the outside with escutcheon





Product description

- Outside: standard handle with profile cylinder escutcheon
- 90° lock-in position

Scope of delivery

- 1 handle
- 1 profile cylinder escutcheon

Roto			Roto	#			№
R01.1	Natural silver	anod.	Y	–	–	1 Piece(s)	2048876
R01.3	Titanium	anod.	Y	–	–	1 Piece(s)	2048879
R05.5	Bronze	anod.	Y	–	–	1 Piece(s)	2048877
R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2048878
R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2048875

Accessory set

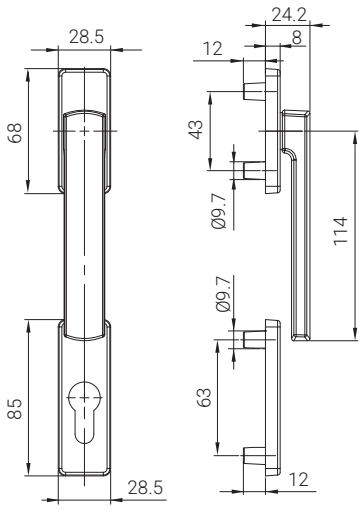
Scope of delivery

- 1 square spindle
- Screws: see table
- Spring

	#		№
130	4	M5x110	2054898
155	4	M5x110	2054899

2.1.17 Half-set on the outside with escutcheon – flat handle





Product description

- Outside: flat handle with profile cylinder escutcheon
- 90° lock-in position

Scope of delivery

- 1 handle
- 1 profile cylinder escutcheon

				#			№
R01.1	Natural silver	Y	anod.	–	–	1 Piece(s)	2048883
R01.3	Titanium	Y	anod.	–	–	1 Piece(s)	2048886
R05.5	Bronze	Y	anod.	–	–	1 Piece(s)	2048884
R06.2M	Jet black, matt	Y	powd-c	–	–	1 Piece(s)	2048885
R07.2	Traffic white	Y	powd-c	–	–	1 Piece(s)	2048882

Accessory set

Scope of delivery

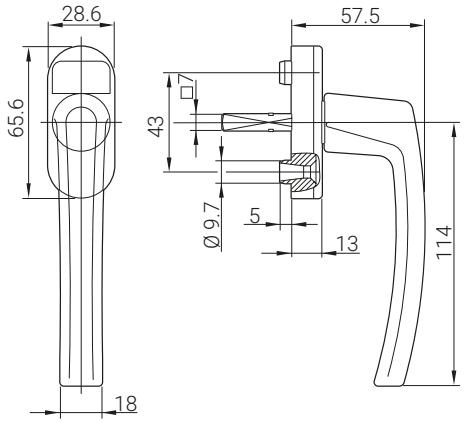
- 1 square spindle
- Screws: see table
- Spring

	#		№
130	4	M5x110	2054898
155	4	M5x110	2054899

2.2 Roto Line

2.2.1 Standard





Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- For fixing screws, see table

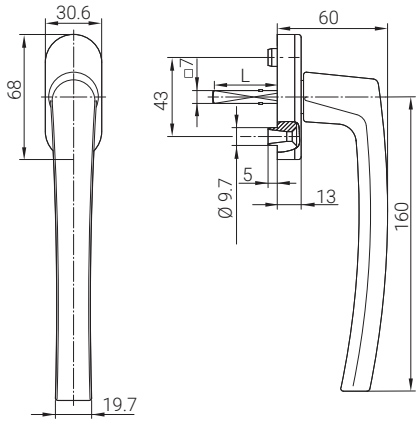
INFO
A flush-encased gearbox is required for use in aluminium profiles .

	Roto			Roto	#			№
24	R01.1	Natural silver	anod.	Y	2	M5x35	20 Piece(s)	799867
	R01.3	Titanium	anod.	Y	–	–	20 Piece(s)	341748
	R02.2	Anthracite grey	powd-c	Y	2	M5x30	20 Piece(s)	2052828
	R06.2M	Jet black, matt	powd-c	Y	2	M5x35	20 Piece(s)	2033353
	R07.2	Traffic white	powd-c	Y	2	M5x35	20 Piece(s)	2043566
			powd-c	N	2	M5x35	20 Piece(s)	858980
30	R01.1	Natural silver	anod.	Y	–	–	20 Piece(s)	227897
			anod.	N	–	–	20 Piece(s)	228079
	R01.2	Nickel silver	anod.	Y	–	–	20 Piece(s)	227899
	R01.3	Titanium	anod.	Y	–	–	20 Piece(s)	227781
			anod.	N	2	M5x40	20 Piece(s)	339532
	R04.1	Grey brown	powd-c	N	2	M5x40	20 Piece(s)	482542
	R05.3	Medium bronze	anod.	Y	–	–	20 Piece(s)	227903
	R05.5	Bronze	anod.	Y	–	–	20 Piece(s)	227905
			anod.	N	–	–	20 Piece(s)	228088
	R07.2	Traffic white	powd-c	Y	–	–	20 Piece(s)	2033350
			powd-c	N	2	M5x40	20 Piece(s)	228176
32	R01.1	Natural silver	anod.	N	2	M5x40	20 Piece(s)	618706
	R01.3	Titanium	anod.	N	2	M5x40	20 Piece(s)	618708
	R03.2	Brass, polished	anod.	N	–	–	20 Piece(s)	245628
	R05.3	Medium bronze	anod.	N	2	M5x40	20 Piece(s)	618707
	R07.2	Traffic white	powd-c	N	2	M5x40	20 Piece(s)	618709

35	R01.1	Natural silver	anod.	Y	–	–	20 Piece(s)	2033336
			anod.	N	2	M5x45	20 Piece(s)	2033337
	R01.2	Nickel silver	anod.	Y	–	–	20 Piece(s)	227909
			anod.	N	2	M5x45	20 Piece(s)	263704
	R01.3	Titanium	anod.	Y	–	–	20 Piece(s)	227796
			anod.	N	2	M5x45	20 Piece(s)	255369
	R03.1	Brass matt	anod.	Y	–	–	20 Piece(s)	227911
			anod.	N	2	M5x45	20 Piece(s)	482544
	R03.2	Brass, polished	anod.	Y	–	–	20 Piece(s)	227801
	R04.1	Grey brown	powd-c	Y	–	–	20 Piece(s)	2043563
			powd-c	N	2	M5x45	20 Piece(s)	256230
	R05.3	Medium bronze	anod.	Y	–	–	20 Piece(s)	227913
			anod.	N	2	M5x45	20 Piece(s)	348329
	R05.5	Bronze	anod.	Y	–	–	20 Piece(s)	227915
			anod.	N	–	–	20 Piece(s)	228098
	R06.2	Jet black	powd-c	Y	–	–	20 Piece(s)	2043562
	R07.1	Pure white	powd-c	Y	–	–	20 Piece(s)	2043564
	R07.2	Traffic white	powd-c	Y	2	M5x45	20 Piece(s)	2033352
			powd-c	N	2	M5x45	20 Piece(s)	2033351
	R07.3	Cream	powd-c	Y	–	–	20 Piece(s)	227810
			powd-c	N	–	–	20 Piece(s)	341745
37	R01.1	Natural silver	anod.	N	2	M5x45	20 Piece(s)	2008980
	R01.3	Titanium	anod.	N	2	M5x45	20 Piece(s)	384344
	R04.1	Grey brown	powd-c	N	2	M5x45	20 Piece(s)	858973
	R05.3	Medium bronze	anod.	N	2	M5x45	20 Piece(s)	618710
	R07.2	Traffic white	powd-c	N	2	M5x45	20 Piece(s)	2033371
40	R01.1	Natural silver	anod.	N	2	M5x50	20 Piece(s)	2033349
	R01.3	Titanium	anod.	Y	–	–	20 Piece(s)	262935
			anod.	N	2	M5x50	20 Piece(s)	330870
	R04.1	Grey brown	powd-c	N	2	M5x50	20 Piece(s)	330867
	R05.3	Medium bronze	anod.	N	–	–	20 Piece(s)	364502
	R06.2M	Jet black, matt	powd-c	N	–	–	20 Piece(s)	2043572
	R07.2	Traffic white	powd-c	N	2	M5x50	20 Piece(s)	2043569
	R07.3	Cream	powd-c	N	–	–	20 Piece(s)	349652
43	R01.1	Natural silver	anod.	Y	2	M5x50	20 Piece(s)	799870
			anod.	N	2	M5x50	20 Piece(s)	594323
			anod.	N	2	M5x55	20 Piece(s)	618711
	R01.2	Nickel silver	anod.	Y	–	–	20 Piece(s)	571693
			anod.	N	2	M5x50	20 Piece(s)	594324
	R01.3	Titanium	anod.	Y	–	–	20 Piece(s)	571694
			anod.	N	2	M5x50	20 Piece(s)	594325
			anod.	N	2	M5x55	20 Piece(s)	618713
	R03.1	Brass matt	anod.	Y	–	–	20 Piece(s)	572415
			anod.	N	2	M5x50	20 Piece(s)	594326
	R03.2	Brass, polished	anod.	Y	–	–	20 Piece(s)	572420
	R04.1	Grey brown	powd-c	Y	–	–	20 Piece(s)	572416
			powd-c	N	2	M5x50	20 Piece(s)	594327
	R05.3	Medium bronze	anod.	Y	–	–	20 Piece(s)	572417
			anod.	N	2	M5x50	20 Piece(s)	594328
			anod.	N	2	M5x55	20 Piece(s)	618712
	R05.5	Bronze	anod.	Y	–	–	20 Piece(s)	572418
			anod.	N	2	M5x50	20 Piece(s)	594329
	R07.2	Traffic white	powd-c	Y	–	–	20 Piece(s)	2043567
			powd-c	N	2	M5x50	20 Piece(s)	594330
			powd-c	N	2	M5x55	20 Piece(s)	2043568
45	R01.1	Natural silver	anod.	N	–	–	20 Piece(s)	347442
	R07.2	Traffic white	powd-c	N	2	M5x55	20 Piece(s)	256232

2.2.2 Standard – 160 mm (comfort window)





Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

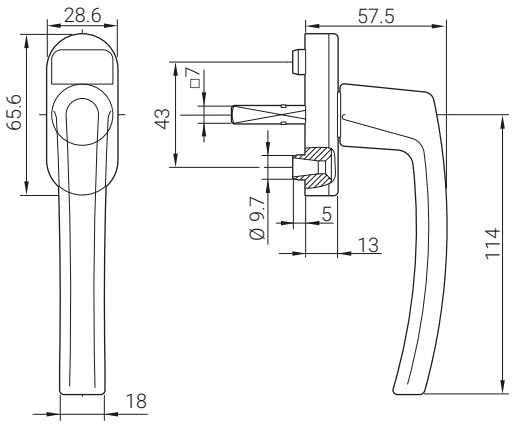
Scope of delivery

- 1 handle

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

2.2.3 Night ventilation





Product description

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

  45° lock-in position for night ventilation

Scope of delivery

- 1 handle
- For fixing screws, see table

INFO

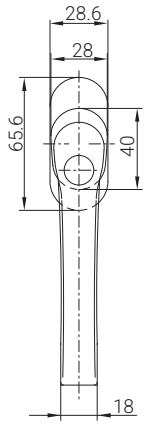
A flush-encased gearbox is required for use in aluminium profiles .

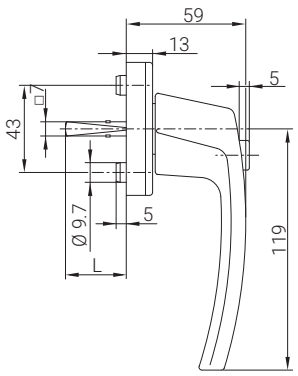
30	R01.1	Natural silver	anod.	Y	–	–	20 Piece(s)	339455
	R01.2	Nickel silver	anod.	Y	–	–	20 Piece(s)	339456
	R01.3	Titanium	anod.	Y	–	–	20 Piece(s)	339457
	R03.1	Brass matt	anod.	Y	–	–	20 Piece(s)	339458
	R04.1	Grey brown	powd-c	Y	–	–	20 Piece(s)	339459
	R05.3	Medium bronze	anod.	Y	–	–	20 Piece(s)	339460
	R05.5	Bronze	anod.	Y	–	–	20 Piece(s)	339461
	R07.2	Traffic white	powd-c	Y	–	–	20 Piece(s)	227895
35	R01.1	Natural silver	anod.	Y	–	–	20 Piece(s)	2033338
	R01.2	Nickel silver	anod.	Y	–	–	20 Piece(s)	339463
	R01.3	Titanium	anod.	Y	–	–	20 Piece(s)	339474
	R03.1	Brass matt	anod.	Y	–	–	20 Piece(s)	339475
	R04.1	Grey brown	powd-c	Y	–	–	20 Piece(s)	339476
	R05.3	Medium bronze	anod.	Y	–	–	20 Piece(s)	339477
	R05.5	Bronze	anod.	Y	–	–	20 Piece(s)	339478
37	R01.1	Natural silver	anod.	N	–	–	20 Piece(s)	373935
			anod.	Y	2	M5x45	20 Piece(s)	2004063
	R01.3	Titanium	anod.	N	2	M5x45	20 Piece(s)	524319
			anod.	Y	2	M5x45	20 Piece(s)	2004065
	R05.5	Bronze	anod.	N	2	M5x45	20 Piece(s)	488271
			anod.	Y	2	M5x45	20 Piece(s)	2004064
	R06.2M	Jet black, matt	powd-c	Y	2	M5x45	20 Piece(s)	2004852
	R07.2	Traffic white	powd-c	N	2	M5x45	20 Piece(s)	2043565
			powd-c	Y	2	M5x45	20 Piece(s)	2033369
	R07.3	Cream	powd-c	Y	2	M5x45	20 Piece(s)	2004061

								№
40	R01.1	Natural silver	anod.	Y	–	–	20 Piece(s)	473235
	R01.2	Nickel silver	anod.	Y	–	–	20 Piece(s)	473236
	R01.3	Titanium	anod.	Y	–	–	20 Piece(s)	473237
	R03.1	Brass matt	anod.	Y	–	–	20 Piece(s)	473238
	R03.2	Brass, polished	anod.	Y	–	–	20 Piece(s)	473239
	R04.1	Grey brown	powd-c	Y	–	–	20 Piece(s)	473240
	R05.3	Medium bronze	anod.	Y	–	–	20 Piece(s)	473241
	R05.5	Bronze	anod.	Y	–	–	20 Piece(s)	473242
	R07.2	Traffic white	powd-c	Y	–	–	20 Piece(s)	473243
	R07.3	Cream	powd-c	N	–	–	20 Piece(s)	373950
43	R01.1	Natural silver	anod.	Y	2	M5x50	20 Piece(s)	787945
	R01.3	Titanium	anod.	Y	2	M5x50	20 Piece(s)	2004853
	R05.5	Bronze	anod.	Y	2	M5x50	20 Piece(s)	787952
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	20 Piece(s)	2004854
	R07.3	Cream	powd-c	Y	2	M5x50	20 Piece(s)	2004067

2.2.4 Push-to-open







Product description

- Handle with push-to-open mechanism
- The push-to-open function makes locking and unlocking possible
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

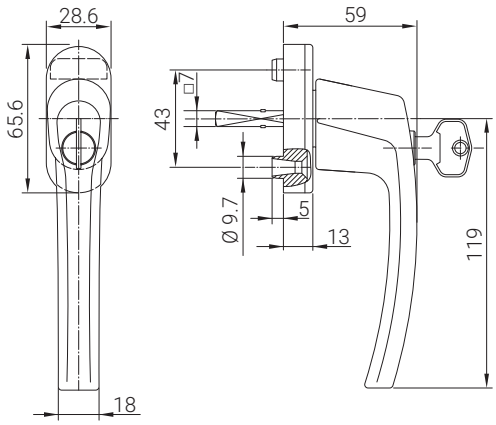
- 1 handle
- For fixing screws, see table

INFO
A flush-encased gearbox is required for use in aluminium profiles .

30	R01.1	Natural silver	anod.	N	–	–	15 Piece(s)	228135
	R07.2	Traffic white	powd-c	N	–	–	15 Piece(s)	228049
32	R01.1	Natural silver	anod.	N	2	M5x40	15 Piece(s)	618740
	R01.3	Titanium	anod.	N	2	M5x40	15 Piece(s)	618742
	R07.2	Traffic white	powd-c	N	2	M5x40	15 Piece(s)	618807
35	R01.1	Natural silver	anod.	N	–	–	15 Piece(s)	228140
	R01.3	Titanium	anod.	N	–	–	15 Piece(s)	228050
	R03.1	Brass matt	anod.	N	–	–	15 Piece(s)	228142
	R04.1	Grey brown	powd-c	N	–	–	15 Piece(s)	228052
	R05.3	Medium bronze	anod.	N	–	–	15 Piece(s)	228143
	R05.5	Bronze	anod.	N	–	–	15 Piece(s)	228144
	R07.2	Traffic white	powd-c	N	–	–	15 Piece(s)	228054
37	R01.1	Natural silver	anod.	N	2	M5x45	15 Piece(s)	384435
	R01.3	Titanium	anod.	N	2	M5x45	15 Piece(s)	385079
	R04.1	Grey brown	powd-c	N	2	M5x45	20 Piece(s)	858977
	R05.3	Medium bronze	anod.	N	2	M5x45	15 Piece(s)	618743
	R06.2M	Jet black, matt	powd-c	Y	2	M5x45	15 Piece(s)	2004426
	R07.2	Traffic white	powd-c	N	2	M5x45	15 Piece(s)	384437
	R07.3	Cream	powd-c	N	2	M5x45	20 Piece(s)	858976
43	R01.1	Natural silver	anod.	N	2	M5x50	15 Piece(s)	598416
			anod.	N	2	M5x55	15 Piece(s)	618744
	R01.3	Titanium	anod.	N	2	M5x55	15 Piece(s)	618766
	R05.5	Bronze	anod.	N	2	M5x50	15 Piece(s)	598421
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	15 Piece(s)	2004434
	R07.2	Traffic white	powd-c	N	2	M5x50	15 Piece(s)	598422
			powd-c	N	2	M5x55	15 Piece(s)	618767

2.2.5 Lockable 40 Nm





Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- 1 key
- For fixing screws, see table

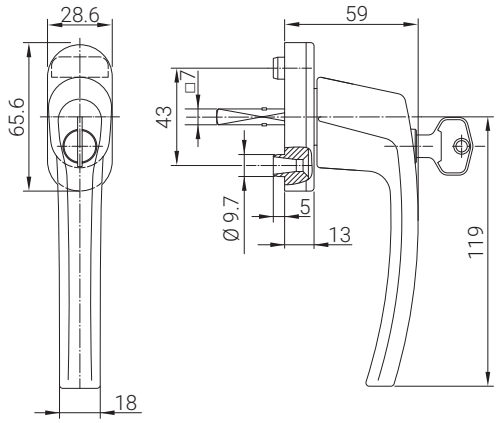
INFO
A flush-encased gearbox is required for use in aluminium profiles .

					#			№
24	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	610560
	R01.5	Silver	anod.	N	2	M5x30	15 Piece(s)	640325
	R02.2	Anthracite grey	powd-c	Y	–	–	15 Piece(s)	2052830
	R06.2	Jet black	powd-c	Y	2	M5x40	15 Piece(s)	840755
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	765011
30	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	227962
			anod.	N	–	–	15 Piece(s)	228125
	R01.3	Titanium	anod.	Y	–	–	15 Piece(s)	227863
			anod.	N	–	–	15 Piece(s)	228035
	R05.3	Medium bronze	anod.	Y	–	–	15 Piece(s)	227965
	R05.5	Bronze	anod.	Y	–	–	15 Piece(s)	227966
	R06.2M	Jet black, matt	powd-c	N	–	M5x50	15 Piece(s)	794358
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	227868
			powd-c	N	–	–	15 Piece(s)	228039
32	R01.1	Natural silver	anod.	N	2	M5x40	15 Piece(s)	618768
	R01.3	Titanium	anod.	N	2	M5x40	15 Piece(s)	618770
	R05.3	Medium bronze	anod.	N	2	M5x40	15 Piece(s)	618769
	R07.2	Traffic white	powd-c	N	2	M5x40	15 Piece(s)	618771

35	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	227967
			anod.	N	2	M5x45	15 Piece(s)	280399
	R01.2	Nickel silver	anod.	N	–	–	15 Piece(s)	228131
	R01.3	Titanium	anod.	Y	–	–	15 Piece(s)	227871
			anod.	N	–	–	15 Piece(s)	228040
	R05.3	Medium bronze	anod.	Y	–	–	15 Piece(s)	227970
	R05.5	Bronze	anod.	N	–	–	15 Piece(s)	228134
			anod.	Y	–	–	15 Piece(s)	227971
	R07.1	Pure white	powd-c	N	–	–	15 Piece(s)	228043
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	227876
			powd-c	N	2	M5x45	15 Piece(s)	246638
	R07.3	Cream	powd-c	N	–	–	15 Piece(s)	377606
37	R01.1	Natural silver	anod.	N	2	M5x45	15 Piece(s)	384395
	R01.3	Titanium	anod.	N	2	M5x45	15 Piece(s)	384438
	R05.3	Medium bronze	anod.	N	2	M5x45	15 Piece(s)	618772
	R06.2M	Jet black, matt	powd-c	Y	2	M5x45	15 Piece(s)	2004442
	R07.2	Traffic white	powd-c	N	2	M5x45	15 Piece(s)	384397
40	R01.1	Natural silver	anod.	N	2	M5x50	15 Piece(s)	352026
	R01.3	Titanium	anod.	N	2	M5x55	15 Piece(s)	566529
	R04.1	Grey brown	powd-c	N	–	–	15 Piece(s)	377609
	R07.2	Traffic white	powd-c	N	2	M5x50	15 Piece(s)	331006
			powd-c	N	2	M5x55	15 Piece(s)	566528
	R07.3	Cream	powd-c	N	–	–	15 Piece(s)	377610
43	R01.1	Natural silver	anod.	N	2	M5x50	15 Piece(s)	594339
			anod.	N	2	M5x55	15 Piece(s)	618774
	R01.3	Titanium	anod.	N	2	M5x50	15 Piece(s)	594341
			anod.	N	2	M5x55	15 Piece(s)	618786
	R03.1	Brass matt	anod.	Y	2	M5x50	15 Piece(s)	2004452
	R04.4	Black brown	anod.	Y	2	M5x50	15 Piece(s)	2004447
	R05.5	Bronze	anod.	N	2	M5x50	15 Piece(s)	594345
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	15 Piece(s)	2004450
	R07.2	Traffic white	powd-c	N	2	M5x50	15 Piece(s)	594346
			powd-c	Y	2	M5x50	15 Piece(s)	2004449
			powd-c	N	2	M5x55	15 Piece(s)	618787

2.2.6 Lockable 40 Nm – TiltFirst





Product description

- For window systems with the TiltFirst application (tilting before turning)
- Closure: rotary cylinder with reversible key
- Can be locked in the 0° and 90° position
- 90° lock-in position

Scope of delivery

- 1 handle
- 1 key
- For fixing screws, see table

INFO
Further information on TiltFirst → *from page 23*.

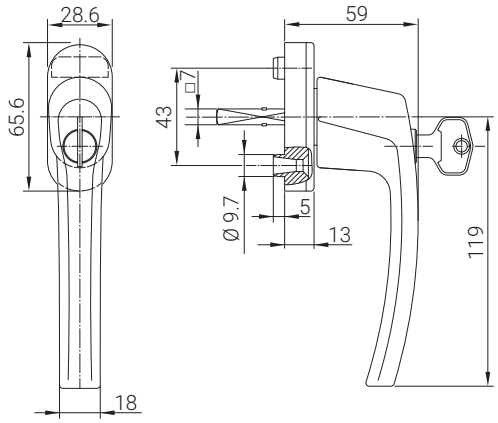
INFO
A flush-encased gearbox is required for use in aluminium profiles .

24	R01.1	Natural silver	anod.	Y	2	M5x40	15 Piece(s)	799843
			anod.	N	2	M5x35	20 Piece(s)	858991
	R01.3	Titanium	anod.	Y	2	M5x40	15 Piece(s)	799844
	R02.2	Anthracite grey	powd-c	Y	2	M5x30	20 Piece(s)	2052829
	R06.2M	Jet black, matt	powd-c	Y	2	M5x40	15 Piece(s)	2034596
	R07.2	Traffic white	powd-c	Y	2	M5x40	15 Piece(s)	799845
			powd-c	N	2	M5x35	20 Piece(s)	858990
32	R01.1	Natural silver	anod.	N	2	M5x40	15 Piece(s)	618808
			anod.	Y	2	M5x45	15 Piece(s)	799847
	R01.2	Nickel silver	anod.	Y	–	–	15 Piece(s)	335310
	R01.3	Titanium	anod.	Y	2	M5x45	15 Piece(s)	799848
	R03.1	Brass matt	anod.	Y	–	–	15 Piece(s)	335311
	R05.4	Dark bronze	anod.	Y	–	–	15 Piece(s)	335312
	R07.2	Traffic white	powd-c	N	2	M5x40	15 Piece(s)	618811
			powd-c	Y	2	M5x45	15 Piece(s)	799849
37	R01.1	Natural silver	anod.	N	2	M5x45	15 Piece(s)	618812
			anod.	Y	2	M5x50	15 Piece(s)	799851
	R01.3	Titanium	anod.	N	2	M5x45	15 Piece(s)	618814
	R04.1	Grey brown	powd-c	Y	–	–	15 Piece(s)	347801
			powd-c	N	2	M5x45	20 Piece(s)	858978
	R05.3	Medium bronze	anod.	N	2	M5x45	15 Piece(s)	618813
	R05.5	Bronze	anod.	Y	–	–	15 Piece(s)	494034
	R07.2	Traffic white	powd-c	N	2	M5x45	15 Piece(s)	618815

40	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	377611
	R01.3	Titanium	anod.	Y	–	–	15 Piece(s)	377612
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	377615
43	R01.1	Natural silver	anod.	N	2	M5x50	15 Piece(s)	594355
	R01.3	Titanium	anod.	N	2	M5x50	15 Piece(s)	594357
	R07.2	Traffic white	powd-c	N	2	M5x50	15 Piece(s)	594362
			powd-c	N	2	M5x55	15 Piece(s)	618819

2.2.7 Lockable 100 Nm





Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- 1 key
- For fixing screws, see table

INFO
Further information on lockable handles → *from page 20*.

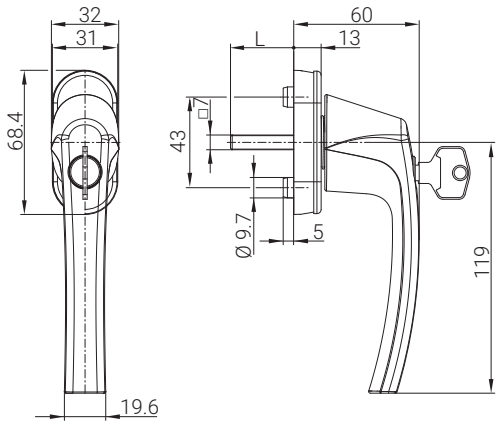
INFO
A flush-encased gearbox is required for use in aluminium profiles .

						#			№
24	R01.1	Natural silver	anod.	N	–	2	M5x35	20 Piece(s)	858985
	R01.3	Titanium	anod.	N	–	2	M5x35	20 Piece(s)	858986
	R07.2	Traffic white	powd-c	N	–	2	M5x35	20 Piece(s)	858984
30	R01.1	Natural silver	anod.	N	–	–	–	15 Piece(s)	333964
	R07.2	Traffic white	powd-c	N	–	–	–	15 Piece(s)	333972
32	R01.1	Natural silver	anod.	Y	–	2	M5x40	15 Piece(s)	635057
			anod.	N	–	2	M5x40	15 Piece(s)	618788
	R01.3	Titanium	anod.	Y	–	2	M5x40	15 Piece(s)	635059
			anod.	N	–	2	M5x40	15 Piece(s)	618790
	R07.2	Traffic white	powd-c	N	–	2	M5x40	15 Piece(s)	618791
35	R01.1	Natural silver	anod.	Y	–	–	–	15 Piece(s)	333973
			anod.	N	–	2	M5x45	15 Piece(s)	347561
	R01.2	Nickel silver	anod.	N	–	–	–	15 Piece(s)	333984
	R01.3	Titanium	anod.	N	–	–	–	15 Piece(s)	333985
	R04.1	Grey brown	powd-c	N	–	–	–	15 Piece(s)	333987
	R05.3	Medium bronze	anod.	N	–	–	–	15 Piece(s)	333988
	R07.1	Pure white	powd-c	N	–	–	–	15 Piece(s)	333990
	R07.2	Traffic white	powd-c	N	–	2	M5x45	15 Piece(s)	347563

37	R01.1	Natural silver	anod.	Y	–	2	M5x45	15 Piece(s)	635065
			anod.	N	–	2	M5x45	15 Piece(s)	384422
	R01.2	Nickel silver	anod.	Y	–	2	M5x45	15 Piece(s)	635066
	R01.3	Titanium	anod.	Y	–	2	M5x45	15 Piece(s)	635067
			anod.	N	–	2	M5x45	15 Piece(s)	385078
	R03.1	Brass matt	anod.	Y	–	2	M5x45	15 Piece(s)	635068
	R04.1	Grey brown	powd-c	N	–	2	M5x45	20 Piece(s)	858974
	R05.3	Medium bronze	anod.	Y	–	2	M5x45	15 Piece(s)	635069
			anod.	N	–	2	M5x45	15 Piece(s)	618792
	R05.5	Bronze	anod.	N	–	2	M5x45	15 Piece(s)	624451
	R07.2	Traffic white	powd-c	N	–	2	M5x45	15 Piece(s)	635071
			powd-c	N	–	2	M5x45	15 Piece(s)	384424
	R07.3	Cream	powd-c	N	–	2	M5x45	20 Piece(s)	858975
40	R01.1	Natural silver	anod.	N	–	2	M5x50	15 Piece(s)	623134
	R01.3	Titanium	anod.	N	–	2	M5x50	15 Piece(s)	331004
	R07.2	Traffic white	powd-c	N	–	2	M5x50	15 Piece(s)	623175
43	R01.1	Natural silver	anod.	Y	–	–	–	15 Piece(s)	572421
			anod.	Y	–	2	M5x50	15 Piece(s)	635072
			anod.	N	–	2	M5x55	15 Piece(s)	618793
	R01.2	Nickel silver	anod.	Y	–	–	–	15 Piece(s)	572422
	R01.3	Titanium	anod.	Y	–	–	–	15 Piece(s)	572423
			anod.	Y	–	2	M5x50	15 Piece(s)	635074
			anod.	N	–	2	M5x55	15 Piece(s)	618805
	R04.1	Grey brown	powd-c	Y	–	2	M5x50	15 Piece(s)	635076
	R05.3	Medium bronze	anod.	Y	–	–	–	15 Piece(s)	572427
			anod.	Y	–	2	M5x50	15 Piece(s)	635077
			anod.	N	–	2	M5x55	15 Piece(s)	618794
	R07.2	Traffic white	powd-c	Y	–	–	–	15 Piece(s)	572429
			powd-c	Y	–	2	M5x50	15 Piece(s)	635079
			powd-c	N	–	2	M5x50	15 Piece(s)	594354
			powd-c	N	–	2	M5x55	15 Piece(s)	618806

2.2.8 Lockable 200 Nm





Product description

- Lockable handle with tested torque of 200 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- 1 key

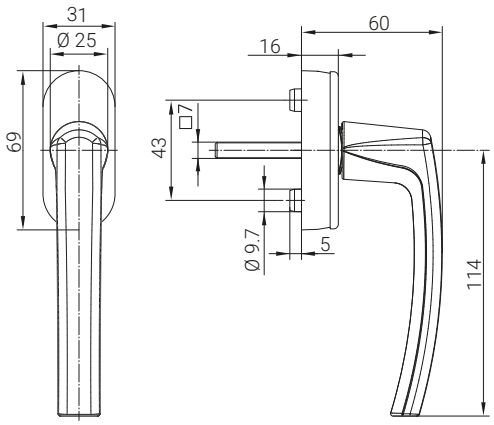
INFO
Further information on lockable handles → *from page 20*.

INFO
A flush-encased gearbox is required for use in aluminium profiles .

35	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	227947
	R01.3	Titanium	anod.	Y	–	–	15 Piece(s)	227840
	R05.3	Medium bronze	anod.	Y	–	–	15 Piece(s)	227950
	R05.5	Bronze	anod.	Y	–	–	15 Piece(s)	227951
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	227844

2.2.9 Secustik





Product description

- Protection against being tampered with from the outside
- Clicking sound confirms active security
- Blocking mechanism as integrated basic security
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- For fixing screws, see table

INFO
Further information on Secustik → *from page 22*.

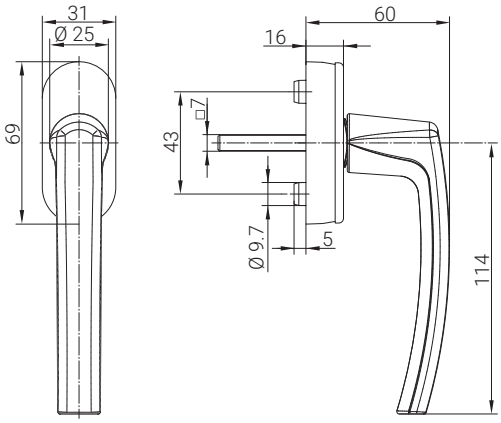
INFO
A flush-encased gearbox is required for use in aluminium profiles .

24	R01.1	Natural silver	anod.	Y	2	M5x35	20 Piece(s)	799579
	R01.3	Titanium	anod.	Y	2	M5x35	20 Piece(s)	738921
	R06.2M	Jet black, matt	powd-c	Y	2	M5x35	20 Piece(s)	794357
	R07.2	Traffic white	powd-c	Y	2	M5x40	20 Piece(s)	799790
32	R01.1	Natural silver	anod.	N	2	M5x40	20 Piece(s)	618714
	R01.3	Titanium	anod.	N	2	M5x40	20 Piece(s)	618736
	R04.1	Grey brown	powd-c	N	–	–	20 Piece(s)	351759
	R05.3	Medium bronze	anod.	N	2	M5x40	20 Piece(s)	618735
	R05.5	Bronze	anod.	N	2	M5x40	20 Piece(s)	623781
	R06.2M	Jet black, matt	powd-c	N	–	–	20 Piece(s)	794349
	R07.2	Traffic white	powd-c	N	2	M5x40	20 Piece(s)	618737
35	R01.1	Natural silver	anod.	N	–	–	20 Piece(s)	775044
	R05.4	Dark bronze	anod.	Y	–	–	20 Piece(s)	627465
	R05.5	Bronze	anod.	N	–	–	20 Piece(s)	775135
	R07.2	Traffic white	powd-c	Y	–	–	20 Piece(s)	627468
			powd-c	N	–	–	20 Piece(s)	775043

37	R01.1	Natural silver	anod.	Y	2	M5x50	20 Piece(s)	799795
			anod.	N	2	M5x45	20 Piece(s)	384419
			anod.	N	2	M5x50	20 Piece(s)	570401
	R01.3	Titanium	anod.	N	2	M5x45	20 Piece(s)	384439
			anod.	N	2	M5x50	20 Piece(s)	487658
	R03.1	Brass matt	anod.	N	2	M5x50	20 Piece(s)	629478
	R04.1	Grey brown	powd-c	N	2	M5x50	20 Piece(s)	570402
	R05.3	Medium bronze	anod.	N	2	M5x50	20 Piece(s)	618738
	R05.5	Bronze	anod.	N	–	–	20 Piece(s)	351742
	R06.2M	Jet black, matt	powd-c	N	2	M5x50	20 Piece(s)	643331
	R07.2	Traffic white	powd-c	N	2	M5x45	20 Piece(s)	384421
			powd-c	Y	2	M5x50	20 Piece(s)	799797
			powd-c	N	2	M5x50	20 Piece(s)	487657
40	R01.1	Natural silver	anod.	Y	–	–	20 Piece(s)	627460
			anod.	N	–	–	20 Piece(s)	363584
	R01.2	Nickel silver	anod.	Y	–	–	20 Piece(s)	627456
	R01.3	Titanium	anod.	Y	–	–	20 Piece(s)	627458
	R03.1	Brass matt	anod.	Y	–	–	20 Piece(s)	627455
			anod.	N	–	–	20 Piece(s)	640188
	R04.1	Grey brown	powd-c	N	–	–	20 Piece(s)	363617
	R05.4	Dark bronze	anod.	Y	–	–	20 Piece(s)	627457
	R05.5	Bronze	anod.	Y	–	–	20 Piece(s)	627454
			anod.	N	–	–	20 Piece(s)	363619
	R07.1	Pure white	powd-c	N	–	–	20 Piece(s)	640189
	R07.2	Traffic white	powd-c	Y	–	–	20 Piece(s)	498770
			powd-c	N	2	M5x55	20 Piece(s)	566530
	R07.3	Cream	powd-c	Y	–	–	20 Piece(s)	498771
			powd-c	N	–	–	20 Piece(s)	640263
43	R01.1	Natural silver	anod.	N	2	M5x55	20 Piece(s)	594331
	R01.3	Titanium	anod.	N	2	M5x55	20 Piece(s)	594333
	R04.1	Grey brown	powd-c	N	2	M5x55	20 Piece(s)	594335
	R05.3	Medium bronze	anod.	N	2	M5x55	20 Piece(s)	594336
	R05.5	Bronze	anod.	N	2	M5x55	20 Piece(s)	594337
	R07.2	Traffic white	powd-c	Y	2	M5x55	20 Piece(s)	799801
			powd-c	N	2	M5x55	20 Piece(s)	594338

2.2.10 Secustik – night ventilation





Product description

- Protection against being tampered with from the outside
- Clicking sound confirms active security
- Blocking mechanism as integrated basic security
- 90° lock-in position

  45° lock-in position for night ventilation

Scope of delivery

- 1 handle
- For fixing screws, see table

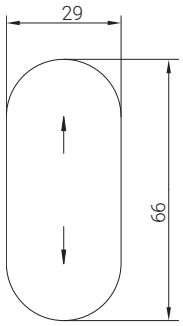
INFO
Further information on Secustik → *from page 22*.

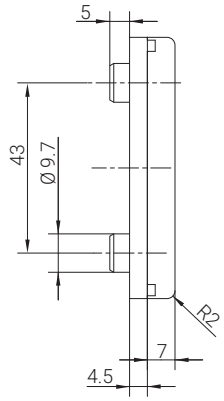
INFO
A flush-encased gearbox is required for use in aluminium profiles .

32	R01.1	Natural silver	anod.	Y	2	M5x45	20 Piece(s)	616693
	R01.3	Titanium	anod.	Y	2	M5x45	20 Piece(s)	616694
	R05.3	Medium bronze	anod.	Y	2	M5x45	20 Piece(s)	616696
	R05.5	Bronze	anod.	Y	2	M5x45	20 Piece(s)	616697
	R07.2	Traffic white	powd-c	Y	2	M5x45	20 Piece(s)	616698
37	R01.1	Natural silver	anod.	Y	2	M5x50	20 Piece(s)	616699
	R01.2	Nickel silver	anod.	Y	2	M5x50	20 Piece(s)	616700
	R01.3	Titanium	anod.	Y	2	M5x50	20 Piece(s)	616701
	R04.1	Grey brown	powd-c	Y	2	M5x50	20 Piece(s)	607384
	R05.3	Medium bronze	anod.	Y	2	M5x50	20 Piece(s)	616702
	R05.5	Bronze	anod.	Y	2	M5x50	20 Piece(s)	616703
	R07.2	Traffic white	powd-c	Y	2	M5x50	20 Piece(s)	607395
	R03.1	Brass matt	anod.	Y	2	M5x50	20 Piece(s)	635031
43	R01.1	Natural silver	anod.	Y	2	M5x55	20 Piece(s)	635032
	R01.2	Nickel silver	anod.	Y	2	M5x55	20 Piece(s)	635033
	R01.3	Titanium	anod.	Y	2	M5x55	20 Piece(s)	635034
	R04.1	Grey brown	powd-c	N	2	M5x55	20 Piece(s)	635036
	R05.3	Medium bronze	anod.	Y	2	M5x55	20 Piece(s)	635037
	R05.5	Bronze	anod.	Y	2	M5x55	20 Piece(s)	635038
	R07.2	Traffic white	powd-c	Y	2	M5x55	20 Piece(s)	635039

2.2.11 Escutcheon for service handle







Product description

- Handle hole cover escutcheon with vertically sliding cover
- In conjunction with Roto Line service handle → *from page 120*.

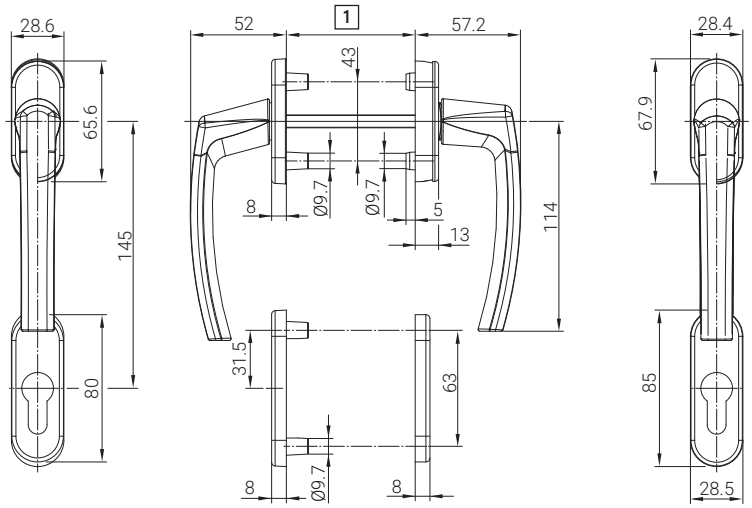
Scope of delivery

- 1 escutcheon

Roto				№
R01.1	Natural silver	anod.	20 Piece(s)	228100
R01.2	Nickel silver	anod.	20 Piece(s)	228101
R01.3	Titanium	anod.	20 Piece(s)	228010
R03.1	Brass matt	anod.	20 Piece(s)	228102
R04.1	Grey brown	powd-c	20 Piece(s)	228012
R05.3	Medium bronze	anod.	20 Piece(s)	228103
R05.5	Bronze	anod.	20 Piece(s)	228104
R07.1	Pure white	powd-c	20 Piece(s)	228013
R07.2	Traffic white	powd-c	20 Piece(s)	228014

2.2.12 Handle set with escutcheons





[1] Door leaf thickness depending on spindle length:

Spindle length 100 mm = 48 to 83 mm

Spindle length 127 mm = 52 to 110 mm

Product description

- Handle set with escutcheon version
- Outside: handle securely pinned
- Inside and outside: standard handle with profile cylinder escutcheon
- Concealed screw fixing
- 90° lock-in position

Scope of delivery

- 2 handles
- 2 profile cylinder escutcheons
- 4 fixing screws, can be shortened

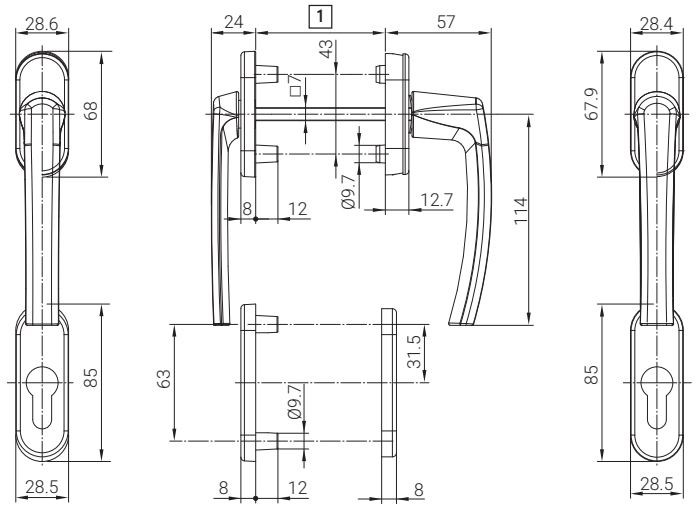
INFO
Profile cylinder is not included in the scope of delivery.

INFO
A flush-encased gearbox is required for use in aluminium profiles .

					#			№
100	R01.1	Natural silver	anod.	Y	4	M5x100	1 Piece(s)	228292
			anod.	N	4	M5x100	1 Piece(s)	228380
	R01.2	Nickel silver	anod.	Y	4	M5x100	1 Piece(s)	228293
			anod.	N	4	M5x100	1 Piece(s)	228381
	R01.3	Titanium	anod.	Y	4	M5x100	1 Piece(s)	228233
			anod.	N	4	M5x100	1 Piece(s)	228333
	R03.1	Brass matt	anod.	Y	4	M5x100	1 Piece(s)	228294
			anod.	N	4	M5x100	1 Piece(s)	228382
	R04.1	Grey brown	powd-c	Y	4	M5x100	1 Piece(s)	228235
			powd-c	N	4	M5x100	1 Piece(s)	228335
	R05.3	Medium bronze	anod.	Y	4	M5x100	1 Piece(s)	228295
			anod.	N	4	M5x100	1 Piece(s)	228383
	R05.5	Bronze	anod.	Y	4	M5x100	1 Piece(s)	228296
			anod.	N	4	M5x100	1 Piece(s)	228384
	R06.2M	Jet black, matt	powd-c	N	4	M5x100	1 Piece(s)	794348
	R07.1	Pure white	powd-c	Y	4	M5x100	1 Piece(s)	228236
			powd-c	N	4	M5x100	1 Piece(s)	228336
	R07.2	Traffic white	powd-c	Y	4	M5x100	1 Piece(s)	228237
			powd-c	N	4	M5x100	1 Piece(s)	228337
127	R01.1	Natural silver	anod.	N	4	M5x110	1 Piece(s)	601694
	R01.2	Nickel silver	anod.	N	4	M5x110	1 Piece(s)	2048180
	R01.3	Titanium	anod.	N	4	M5x110	1 Piece(s)	601706
	R02.2	Anthracite grey	powd-c	N	4	M5x110	1 Piece(s)	2049238
	R04.1	Grey brown	powd-c	N	4	M5x110	1 Piece(s)	2048177
	R06.2M	Jet black, matt	powd-c	N	4	M5x110	1 Piece(s)	2048178
	R07.2	Traffic white	powd-c	N	4	M5x110	1 Piece(s)	601711

2.2.13 Handle set with escutcheons – flat handle on the outside





[1] Door leaf thickness depending on spindle length:

Spindle length 100 mm = 48 to 83 mm

Spindle length 127 mm = 52 to 110 mm

Product description

- Handle set with escutcheon version
- Outside: handle securely pinned
- Outside: flat handle with profile cylinder escutcheon
- Inside: standard handle with profile cylinder escutcheon
- Concealed screw fixing
- 90° lock-in position

Scope of delivery

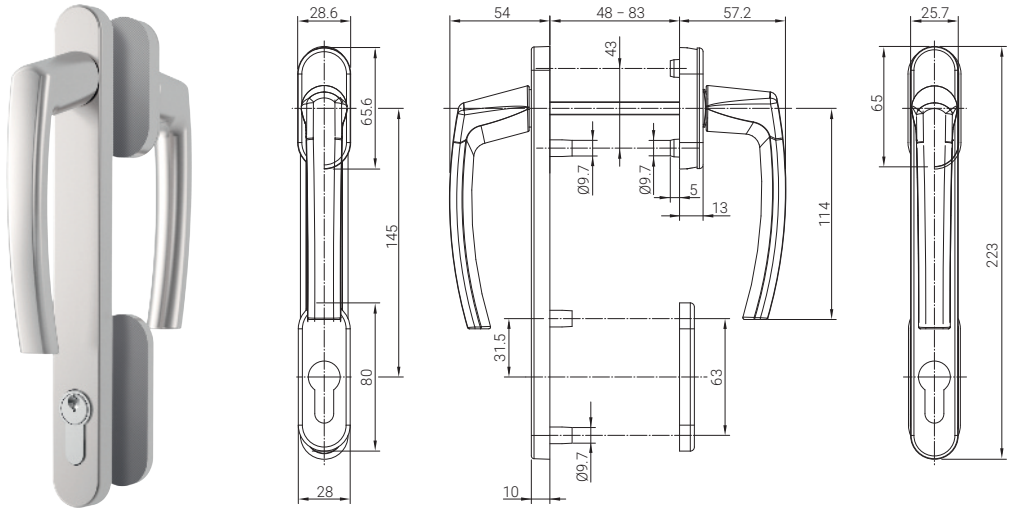
- 2 handles (flat handle, standard handle)
- 2 profile cylinder escutcheons
- 4 fixing screws, can be shortened

INFO

Profile cylinder is not included in the scope of delivery.

100	R01.1	Natural silver	anod.	Y	4	M5x100	1 Piece(s)	228302
			anod.	N	4	M5x100	1 Piece(s)	228390
	R01.3	Titanium	anod.	Y	4	M5x100	1 Piece(s)	228245
			anod.	N	4	M5x100	1 Piece(s)	228345
	R04.1	Grey brown	powd-c	N	4	M5x100	1 Piece(s)	228347
	R05.3	Medium bronze	anod.	Y	4	M5x100	1 Piece(s)	228305
			anod.	N	4	M5x100	1 Piece(s)	228393
	R05.5	Bronze	anod.	Y	4	M5x100	1 Piece(s)	228306
			anod.	N	4	M5x100	1 Piece(s)	228394
	R07.2	Traffic white	powd-c	Y	4	M5x100	1 Piece(s)	228249
			powd-c	N	4	M5x100	1 Piece(s)	228349
127	R01.1	Natural silver	anod.	N	4	M5x110	1 Piece(s)	601712
	R01.2	Nickel silver	anod.	N	4	M5x110	1 Piece(s)	2048179
	R01.3	Titanium	anod.	N	4	M5x110	1 Piece(s)	601714
	R02.2	Anthracite grey	powd-c	N	4	M5x110	1 Piece(s)	2049237
	R04.1	Grey brown	powd-c	N	4	M5x110	1 Piece(s)	2048176
	R06.2M	Jet black, matt	powd-c	N	4	M5x110	1 Piece(s)	794354
	R07.2	Traffic white	powd-c	N	4	M5x110	1 Piece(s)	601729

2.2.14 Handle set with escutcheons – long plate on the outside



Product description

- Outside: standard handle with long plate, securely pinned
- Inside: standard handle with profile cylinder escutcheon
- Concealed screw fixing
- 90° lock-in position

Scope of delivery

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

INFO
Profile cylinder is not included in the scope of delivery.

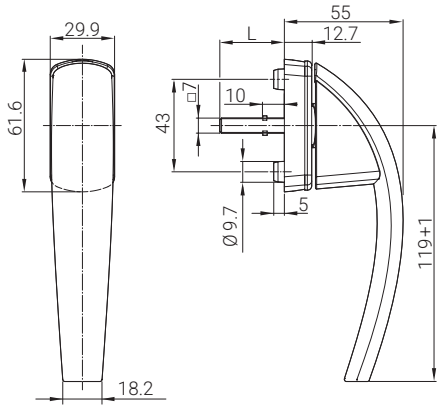
INFO
A flush-encased gearbox is required for use in aluminium profiles .

100	R01.1	Natural silver	anod.	N	4	M5x100	1 Piece(s)	228385
	R01.3	Titanium	anod.	N	4	M5x100	1 Piece(s)	228339
	R07.2	Traffic white	powd-c	N	4	M5x100	1 Piece(s)	228343

2.3 Roto Swing

2.3.1 Standard



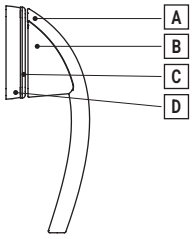


Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- 2 fixing screws



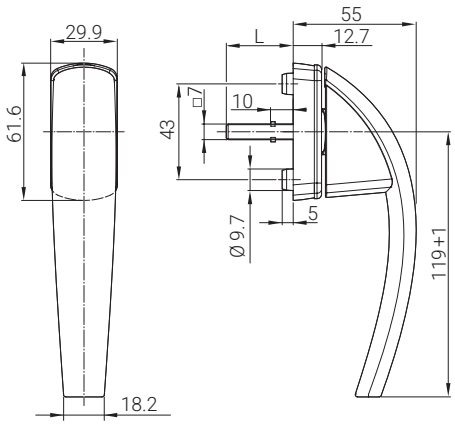
[A] Handle lever
[B] Design element
[C] Cover
[D] Escutcheon

32	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x40	15 Piece(s)	641112
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x40	15 Piece(s)	641115
37	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x45	15 Piece(s)	641117
	R01.2	Nickel silver	[B] Beige, [C] Beige, [D] Beige	anod.	Y	2	M5x45	15 Piece(s)	641119
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x45	15 Piece(s)	641120
	R03.1	Brass matt	[B] Pantone 468C, [C] Gold, [D] Pantone 468C	anod.	Y	2	M5x45	15 Piece(s)	641121
	R04.4	Black brown	[B] Brown, [C] Brown, [D] Brown	powd-c	Y	2	M5x45	15 Piece(s)	641122
	R05.3	Medium bronze	[B] Pantone 462C, [C] Medium bronze, [D] Pantone 462C	anod.	Y	2	M5x45	15 Piece(s)	641123
	R05.5	Bronze	[B] Pantone 462C, [C] Bronze, [D] Pantone 462C	anod.	Y	2	M5x45	15 Piece(s)	641124
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x45	15 Piece(s)	641125
			[B] F7503, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x45	15 Piece(s)	641126

43	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x50	15 Piece(s)	641127
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x50	15 Piece(s)	641130
	R04.4	Black brown	[B] Brown, [C] Brown, [D] Brown	powd-c	Y	2	M5x50	15 Piece(s)	641132
	R05.3	Medium bronze	[B] Pantone 462C, [C] Medium bronze, [D] Pantone 462C	anod.	Y	2	M5x50	15 Piece(s)	641133
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x50	15 Piece(s)	641135

2.3.2 Night ventilation



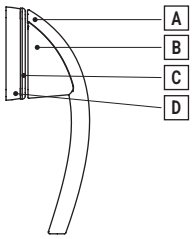


Product description

- Basic handle without additional functions
- 90° lock-in position, 45° lock-in position for night ventilation

Scope of delivery

- 1 handle
- 2 fixing screws



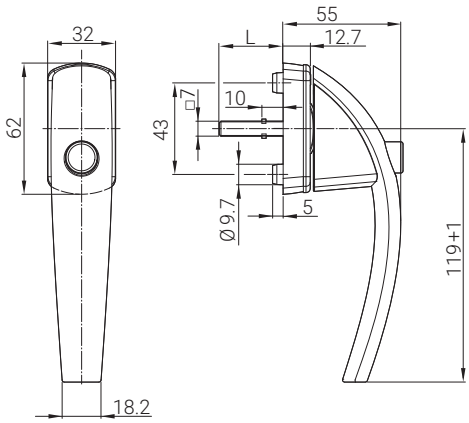
[A] Handle lever
[B] Design element
[C] Cover
[D] Escutcheon

32	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x45	15 Piece(s)	613997
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x45	15 Piece(s)	613999
	R03.1	Brass matt	[B] Pantone 468C, [C] Gold, [D] Pantone 468C	anod.	Y	2	M5x45	15 Piece(s)	614000
	R05.5	Bronze	[B] Pantone 462C, [C] Bronze, [D] Pantone 462C	anod.	Y	2	M5x45	15 Piece(s)	614001
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x45	15 Piece(s)	614002
37	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x45	15 Piece(s)	607855
	R01.2	Nickel silver	[B] Beige, [C] Beige, [D] Beige	anod.	Y	2	M5x45	15 Piece(s)	615684
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x45	15 Piece(s)	607854
	R03.1	Brass matt	[B] Pantone 468C, [C] Gold, [D] Pantone 468C	anod.	Y	2	M5x45	15 Piece(s)	615685
	R04.4	Black brown	[B] Brown, [C] Brown, [D] Brown	powd-c	Y	2	M5x45	15 Piece(s)	615686
	R05.3	Medium bronze	[B] Pantone 462C, [C] Medium bronze, [D] Pantone 462C	anod.	Y	2	M5x45	15 Piece(s)	613862
	R05.5	Bronze	[B] Pantone 462C, [C] Bronze, [D] Pantone 462C	anod.	Y	2	M5x45	15 Piece(s)	615687
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x45	15 Piece(s)	607853

43	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x50	15 Piece(s)	607856
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x50	15 Piece(s)	607858
	R05.3	Medium bronze	[B] Pantone 462C, [C] Medium bronze, [D] Pantone 462C	anod.	Y	2	M5x50	15 Piece(s)	632282
	R05.5	Bronze	[B] Pantone 462C, [C] Bronze, [D] Pantone 462C	anod.	Y	2	M5x50	15 Piece(s)	632283
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x50	15 Piece(s)	607857

2.3.3 Push-to-open



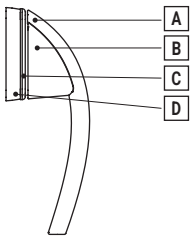


Product description

- Handle with push-to-open mechanism
- The push-to-open function makes locking and unlocking possible
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- 2 fixing screws

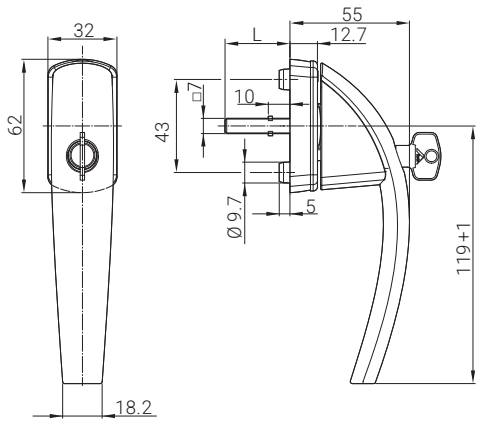


[A] Handle lever
[B] Design element
[C] Cover
[D] Escutcheon

37	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x45	15 Piece(s)	632330
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x45	15 Piece(s)	632332
	R05.3	Medium bronze	[B] Pantone 462C, [C] Medium bronze, [D] Pantone 462C	anod.	Y	2	M5x45	15 Piece(s)	632335
	R05.5	Bronze	[B] Pantone 462C, [C] Bronze, [D] Pantone 462C	anod.	Y	2	M5x45	15 Piece(s)	632336
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x45	15 Piece(s)	632337
43	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x50	15 Piece(s)	632338
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x50	15 Piece(s)	632340
	R05.3	Medium bronze	[B] Pantone 462C, [C] Medium bronze, [D] Pantone 462C	anod.	Y	2	M5x50	15 Piece(s)	632343
	R05.5	Bronze	[B] Pantone 462C, [C] Bronze, [D] Pantone 462C	anod.	Y	2	M5x50	15 Piece(s)	632344
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x50	15 Piece(s)	632345

2.3.4 Lockable 40 Nm



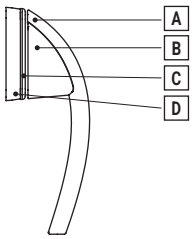


Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- 1 key
- 2 fixing screws

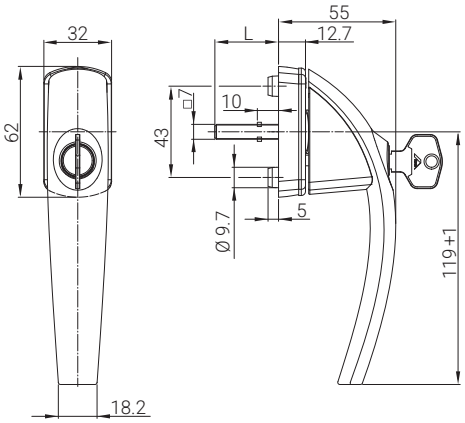


[A] Handle lever
[B] Design element
[C] Cover
[D] Escutcheon

32	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x40	15 Piece(s)	632284
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x40	15 Piece(s)	632286
37	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x45	15 Piece(s)	632291
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x45	15 Piece(s)	632292
	R04.4	Black brown	[B] Brown, [C] Brown, [D] Brown	powd-c	Y	2	M5x45	15 Piece(s)	632294
	R05.3	Medium bronze	[B] Pantone 462C, [C] Medium bronze, [D] Pantone 462C	anod.	Y	2	M5x45	15 Piece(s)	613860
	R05.5	Bronze	[B] Pantone 462C, [C] Bronze, [D] Pantone 462C	anod.	Y	2	M5x45	15 Piece(s)	632295
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x45	15 Piece(s)	632296
43	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x50	15 Piece(s)	632297
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x50	15 Piece(s)	632298
	R04.4	Black brown	[B] Brown, [C] Brown, [D] Brown	powd-c	Y	2	M5x50	15 Piece(s)	632300
	R05.3	Medium bronze	[B] Pantone 462C, [C] Medium bronze, [D] Pantone 462C	anod.	Y	2	M5x50	15 Piece(s)	632301
	R05.5	Bronze	[B] Pantone 462C, [C] Bronze, [D] Pantone 462C	anod.	Y	2	M5x50	15 Piece(s)	632302
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x50	15 Piece(s)	632303

2.3.5 Lockable 40 Nm – TiltFirst





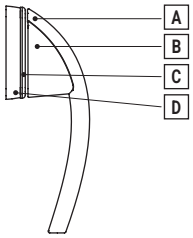
Product description

- For window systems with the TiltFirst application (tilting before turning)
- Closure: rotary cylinder with reversible key
- Can be locked in the 0° and 90° position
- 90° lock-in position

Scope of delivery

- 1 handle
- 1 key
- 2 fixing screws

INFO
Further information on TiltFirst → *from page 23*.

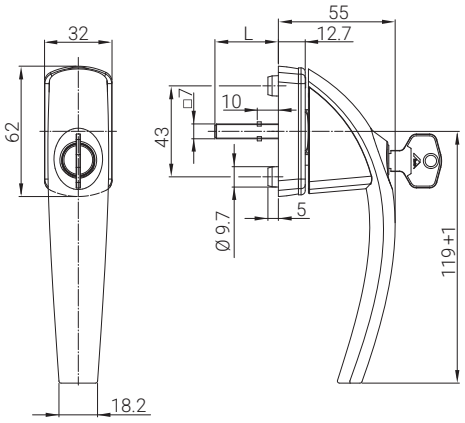


[A] Handle lever
[B] Design element
[C] Cover
[D] Escutcheon

37	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x45	15 Piece(s)	641137
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x45	15 Piece(s)	641138
	R05.5	Bronze	[B] Pantone 462C, [C] Bronze, [D] Pantone 462C	anod.	Y	2	M5x45	15 Piece(s)	641141
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x45	15 Piece(s)	641142
43	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x50	15 Piece(s)	641143
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x50	15 Piece(s)	641144
	R04.4	Black brown	[B] Brown, [C] Brown, [D] Brown	powd-c	Y	2	M5x50	15 Piece(s)	641146
	R05.3	Medium bronze	[B] Pantone 462C, [C] Medium bronze, [D] Pantone 462C	anod.	Y	2	M5x50	15 Piece(s)	641147
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x50	15 Piece(s)	641149

2.3.6 Lockable 100 Nm





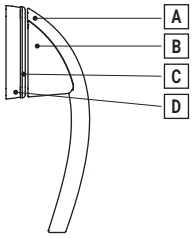
Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- 1 key
- 2 fixing screws

INFO
Further information on lockable handles → *from page 20*.

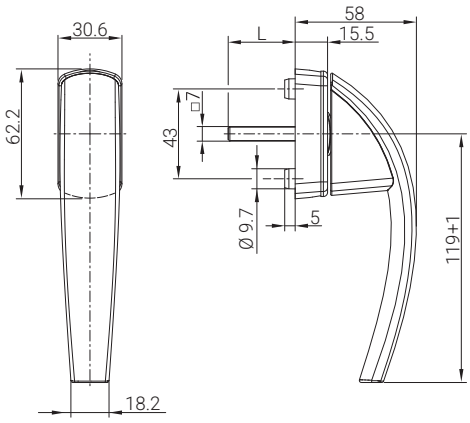


[A] Handle lever
[B] Design element
[C] Cover
[D] Escutcheon

32	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x40	15 Piece(s)	632304
37			[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x45	15 Piece(s)	632311
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x45	15 Piece(s)	632313
	R04.4	Black brown	[B] Brown, [C] Brown, [D] Brown	powd-c	Y	2	M5x45	15 Piece(s)	632315
	R05.3	Medium bronze	[B] Pantone 462C, [C] Medium bronze, [D] Pantone 462C	anod.	Y	2	M5x45	15 Piece(s)	632316
	R05.5	Bronze	[B] Pantone 462C, [C] Bronze, [D] Pantone 462C	anod.	Y	2	M5x45	15 Piece(s)	632317
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x45	15 Piece(s)	632318
43	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x50	15 Piece(s)	632319
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x50	15 Piece(s)	632321
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x50	15 Piece(s)	632326

2.3.7 Secustik





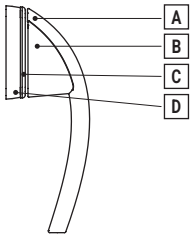
Product description

- Protection against being tampered with from the outside
- Clicking sound confirms active security
- Blocking mechanism as integrated basic security
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- 2 fixing screws

INFO
Further information on Secustik → *from page 22*.



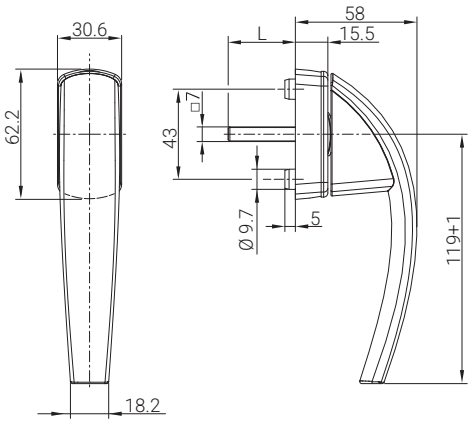
[A] Handle lever
[B] Design element
[C] Cover
[D] Escutcheon

	Roto				Roto	#			№
32	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x40	15 Piece(s)	641082
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x40	15 Piece(s)	641084
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x40	15 Piece(s)	641095
37	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x50	15 Piece(s)	641096
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x50	15 Piece(s)	641098
	R03.1	Brass matt	[B] Pantone 468C, [C] Gold | Pantone 468C	anod.	Y	2	M5x50	15 Piece(s)	641099
	R04.4	Black brown	[B] Brown, [C] Brown, [D] Brown	powd-c	Y	2	M5x50	15 Piece(s)	641100
	R05.3	Medium bronze	[B] Pantone 462C, [C] Medium bronze, [D] Pantone 462C	anod.	Y	2	M5x50	15 Piece(s)	641101
	R05.5	Bronze	[B] Pantone 462C, [C] Bronze, [D] Pantone 462C	anod.	Y	2	M5x50	15 Piece(s)	641102
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x50	15 Piece(s)	641103

43	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x55	15 Piece(s)	641104
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x55	15 Piece(s)	641106
	R03.1	Brass matt	[B] Pantone 468C, [C] Gold, [D] Pantone 468C	anod.	Y	2	M5x55	15 Piece(s)	641107
	R04.4	Black brown	[B] Brown, [C] Brown, [D] Brown	powd-c	Y	2	M5x55	15 Piece(s)	641108
	R05.3	Medium bronze	[B] Pantone 462C, [C] Medium bronze, [D] Pantone 462C	anod.	Y	2	M5x55	15 Piece(s)	641109
	R05.5	Bronze	[B] Pantone 462C, [C] Bronze, [D] Pantone 462C	anod.	Y	2	M5x55	15 Piece(s)	641110
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x55	15 Piece(s)	641111

2.3.8 Secustik – night ventilation





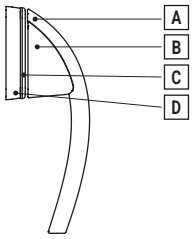
Product description

- Protection against being tampered with from the outside
- Clicking sound confirms active security
- Blocking mechanism as integrated basic security
- 90° lock-in position,
  45° lock-in position for night ventilation

Scope of delivery

- 1 handle
- 2 fixing screws

INFO
Further information on Secustik → *from page 22*.



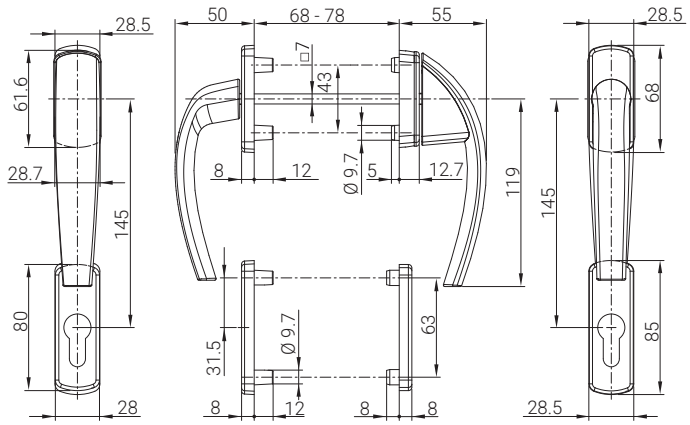
[A] Handle lever
[B] Design element
[C] Cover
[D] Escutcheon

32	Traffic white	R07.2	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x40	15 Piece(s)	613855
37	Natural silver	R01.1	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x50	15 Piece(s)	613580
	Nickel silver	R01.2	[B] Beige, [C] Beige, [D] Beige	anod.	Y	2	M5x50	15 Piece(s)	613823
	Titanium	R01.3	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x50	15 Piece(s)	613581
	Brass matt	R03.1	[B] Pantone 468C, [C] Gold, [D] Pantone 468C	anod.	Y	2	M5x50	15 Piece(s)	613824
	Black brown	R04.4	[B] Brown, [C] Brown, [D] Brown	powd-c	Y	2	M5x50	15 Piece(s)	613835
	Medium bronze	R05.3	[B] Pantone 462C, [C] Medium bronze, [D] Pantone 462C	anod.	Y	2	M5x50	15 Piece(s)	613861
	Bronze	R05.5	[B] Pantone 462C, [C] Bronze, [D] Pantone 462C	anod.	Y	2	M5x50	15 Piece(s)	613836
	Traffic white	R07.2	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x50	15 Piece(s)	613582

43	Natural silver	R01.1	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	2	M5x55	15 Piece(s)	632004
	Nickel silver	R01.2	[B] Beige, [C] Beige, [D] Beige	anod.	Y	2	M5x55	15 Piece(s)	632035
	Titanium	R01.3	[B] Grey, [C] Grey, [D] Grey	anod.	Y	2	M5x55	15 Piece(s)	632037
	Black brown	R04.4	[B] Brown, [C] Brown, [D] Brown	powd-c	Y	2	M5x55	15 Piece(s)	632040
	Medium bronze	R05.3	[B] Pantone 462C, [C] Medium bronze, [D] Pantone 462C	anod.	Y	2	M5x55	15 Piece(s)	632042
	Bronze	R05.5	[B] Pantone 462C, [C] Bronze, [D] Pantone 462C	anod.	Y	2	M5x55	15 Piece(s)	632043
	Traffic white	R07.2	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	2	M5x55	15 Piece(s)	632044

2.3.9 Handle set with escutcheons





Product description

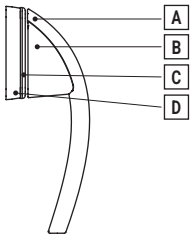
- Handle set with escutcheon version
- Outside: handle securely pinned without click mechanism
- Inside: standard handle with profile cylinder escutcheon
- Concealed screw fixing
- 90° lock-in position

Scope of delivery

- 2 handles
- 2 escutcheons
- 4 fixing screws

INFO
Profile cylinder is not included in the scope of delivery.

INFO
A flush-encased gearbox is required for use in aluminium profiles .



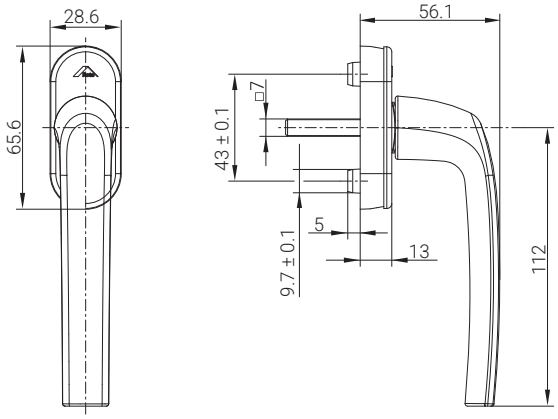
[A] Handle lever
[B] Design element
[C] Cover
[D] Escutcheon

100	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	4	M5x100	1 Piece(s)	607332
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	4	M5x100	1 Piece(s)	607333
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	4	M5x100	1 Piece(s)	607331
127	R01.1	Natural silver	[B] Silver grey, [C] Silver grey, [D] Silver grey	anod.	Y	4	M5x110	1 Piece(s)	606786
	R01.3	Titanium	[B] Grey, [C] Grey, [D] Grey	anod.	Y	4	M5x110	1 Piece(s)	606787
	R07.2	Traffic white	[B] Traffic white, [C] Traffic white, [D] Traffic white	powd-c	Y	4	M5x110	1 Piece(s)	606785

2.4 Roto Samba

2.4.1 Standard





Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

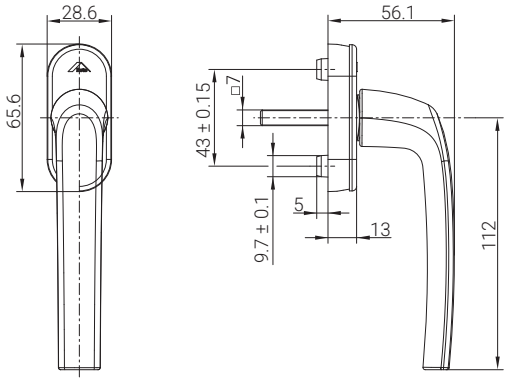
Scope of delivery

- 1 handle
- 2 fixing screws

32	R01.1	Natural silver	anod.	Y	2	M5x40	100 Piece(s)	639648
	R01.3	Titanium	anod.	Y	2	M5x40	100 Piece(s)	639667
	R03.1	Brass matt	anod.	Y	2	M5x40	100 Piece(s)	639651
	R04.1	Grey brown	powd-c	Y	2	M5x40	100 Piece(s)	810076
	R05.5	Bronze	anod.	Y	2	M5x40	100 Piece(s)	639654
	R07.2	Traffic white	powd-c	Y	2	M5x40	100 Piece(s)	810075
37	R01.1	Natural silver	anod.	Y	2	M5x45	100 Piece(s)	639649
	R01.3	Titanium	anod.	Y	2	M5x45	100 Piece(s)	639668
	R03.1	Brass matt	anod.	Y	2	M5x45	100 Piece(s)	639652
	R04.1	Grey brown	powd-c	Y	2	M5x45	100 Piece(s)	787954
	R05.5	Bronze	anod.	Y	2	M5x45	100 Piece(s)	639665
	R07.2	Traffic white	powd-c	Y	2	M5x45	100 Piece(s)	787955
43	R01.1	Natural silver	anod.	Y	2	M5x50	100 Piece(s)	639650
	R01.3	Titanium	anod.	Y	2	M5x50	100 Piece(s)	639669
	R03.1	Brass matt	anod.	Y	2	M5x50	100 Piece(s)	639653
	R04.1	Grey brown	powd-c	Y	2	M5x50	100 Piece(s)	787956
	R05.5	Bronze	anod.	Y	2	M5x50	100 Piece(s)	639666
	R07.2	Traffic white	powd-c	Y	2	M5x50	100 Piece(s)	787957

2.4.2 Night ventilation





Product description

- Basic handle without additional functions
- 90° lock-in position, 45° lock-in position for night ventilation

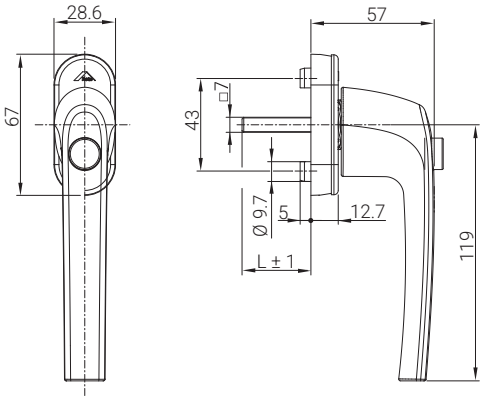
Scope of delivery

- 1 handle
- 2 fixing screws

32	R01.1	Natural silver	anod.	Y	2	M5x40	100 Piece(s)	639676
	R01.3	Titanium	anod.	Y	2	M5x40	100 Piece(s)	639695
	R05.5	Bronze	anod.	Y	2	M5x40	100 Piece(s)	639682
	R07.2	Traffic white	powd-c	Y	2	M5x40	100 Piece(s)	639670
37	R01.1	Natural silver	anod.	Y	2	M5x45	100 Piece(s)	639677
	R01.3	Titanium	anod.	Y	2	M5x45	100 Piece(s)	639696
	R03.1	Brass matt	anod.	Y	2	M5x45	100 Piece(s)	639680
	R04.1	Grey brown	powd-c	Y	2	M5x45	100 Piece(s)	787958
	R05.5	Bronze	anod.	Y	2	M5x45	100 Piece(s)	639683
	R07.2	Traffic white	powd-c	Y	2	M5x45	100 Piece(s)	787959
43	R01.1	Natural silver	anod.	Y	2	M5x50	100 Piece(s)	639678
	R01.3	Titanium	anod.	Y	2	M5x50	100 Piece(s)	639697
	R03.1	Brass matt	anod.	Y	2	M5x50	100 Piece(s)	639681
	R04.1	Grey brown	powd-c	Y	2	M5x50	100 Piece(s)	787960
	R05.5	Bronze	anod.	Y	2	M5x50	100 Piece(s)	639684
	R07.2	Traffic white	powd-c	Y	2	M5x50	100 Piece(s)	787961

2.4.3 Push-to-open





Product description

- Handle with push-to-open mechanism
- The push-to-open function makes locking and unlocking possible
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

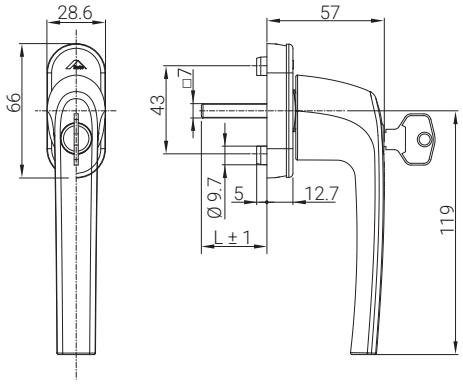
Scope of delivery

- 1 handle
- 2 fixing screws

32	R01.1	Natural silver	anod.	Y	2	M5x40	40 Piece(s)	639799
	R01.3	Titanium	anod.	Y	2	M5x40	40 Piece(s)	639808
	R07.2	Traffic white	powd-c	Y	2	M5x40	40 Piece(s)	639783
37	R01.1	Natural silver	anod.	Y	2	M5x45	40 Piece(s)	639800
	R01.3	Titanium	anod.	Y	2	M5x45	40 Piece(s)	639809
	R07.2	Traffic white	powd-c	Y	2	M5x45	40 Piece(s)	639784
43	R01.1	Natural silver	anod.	Y	2	M5x50	40 Piece(s)	639801
	R07.2	Traffic white	powd-c	Y	2	M5x50	40 Piece(s)	639795

2.4.4 Lockable 40 Nm





Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

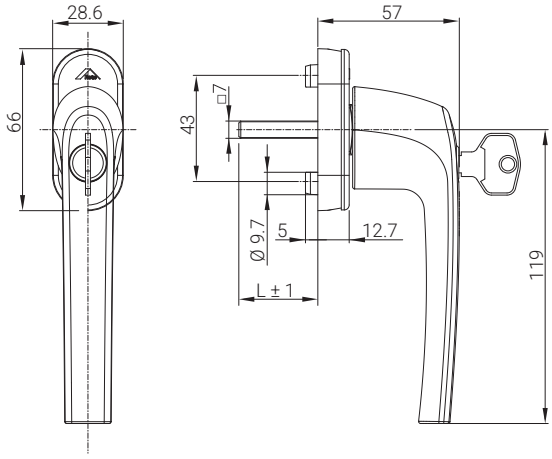
Scope of delivery

- 1 handle
- 1 key
- 2 fixing screws

32	R01.1	Natural silver	anod.	Y	2	M5x40	40 Piece(s)	639693
	R05.5	Bronze	anod.	Y	2	M5x40	40 Piece(s)	639741
	R07.2	Traffic white	powd-c	Y	2	M5x40	40 Piece(s)	639718
37	R01.1	Natural silver	anod.	Y	2	M5x45	40 Piece(s)	639694
	R01.3	Titanium	anod.	Y	2	M5x45	40 Piece(s)	639745
	R04.1	Grey brown	powd-c	Y	2	M5x45	40 Piece(s)	639722
	R05.5	Bronze	anod.	Y	2	M5x45	40 Piece(s)	639742
	R07.2	Traffic white	powd-c	Y	2	M5x45	40 Piece(s)	639719
43	R01.1	Natural silver	anod.	Y	2	M5x50	40 Piece(s)	639735
	R01.3	Titanium	anod.	Y	2	M5x50	40 Piece(s)	639746
	R04.1	Grey brown	powd-c	Y	2	M5x50	40 Piece(s)	639723
	R05.5	Bronze	anod.	Y	2	M5x50	40 Piece(s)	639743
	R07.2	Traffic white	powd-c	Y	2	M5x50	40 Piece(s)	639720

2.4.5 Lockable 40 Nm – TiltFirst





Product description

- For window systems with the TiltFirst application (tilting before turning)
- Closure: rotary cylinder with reversible key
- Can be locked in the 0° and 90° position
- 90° lock-in position

Scope of delivery

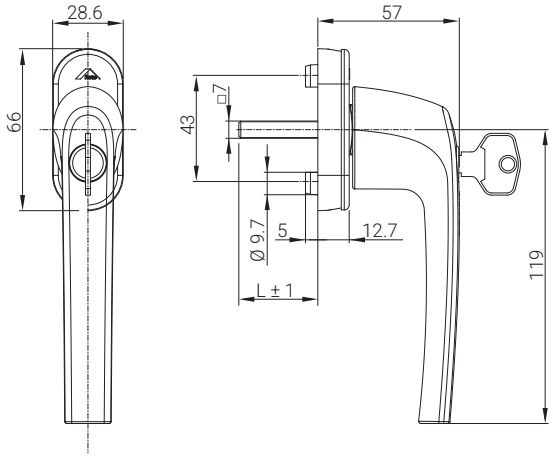
- 1 handle
- 1 key
- 2 fixing screws

INFO
Further information on TiltFirst → *from page 23*.

37	R01.1	Natural silver	anod.	Y	2	M5x45	40 Piece(s)	639772
	R01.3	Titanium	anod.	Y	2	M5x45	40 Piece(s)	639781
	R07.2	Traffic white	powd-c	Y	2	M5x45	40 Piece(s)	639766
43	R01.1	Natural silver	anod.	Y	2	M5x50	40 Piece(s)	639773
	R07.2	Traffic white	powd-c	Y	2	M5x50	40 Piece(s)	639767

2.4.6 Lockable 100 Nm





Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

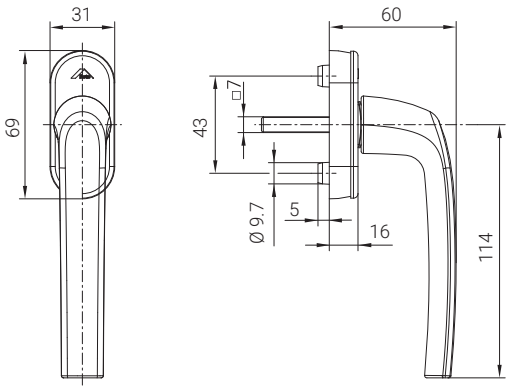
- 1 handle
- 1 key
- 2 fixing screws

INFO
Further information on lockable handles → *from page 20*.

32	R01.1	Natural silver	anod.	Y	2	M5x40	40 Piece(s)	639753
	R07.2	Traffic white	powd-c	Y	2	M5x40	40 Piece(s)	639747
37	R01.1	Natural silver	anod.	Y	2	M5x45	40 Piece(s)	639754
	R01.3	Titanium	anod.	Y	2	M5x45	40 Piece(s)	639763
	R04.1	Grey brown	powd-c	Y	2	M5x45	40 Piece(s)	639751
	R05.5	Bronze	anod.	Y	2	M5x45	40 Piece(s)	639760
	R07.2	Traffic white	powd-c	Y	2	M5x45	40 Piece(s)	639748
43	R01.1	Natural silver	anod.	Y	2	M5x50	40 Piece(s)	639755
	R01.3	Titanium	anod.	Y	2	M5x50	40 Piece(s)	639764
	R07.2	Traffic white	powd-c	Y	2	M5x50	40 Piece(s)	639749

2.4.7 Secustik





Product description

- Protection against being tampered with from the outside
- Clicking sound confirms active security
- Blocking mechanism as integrated basic security
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

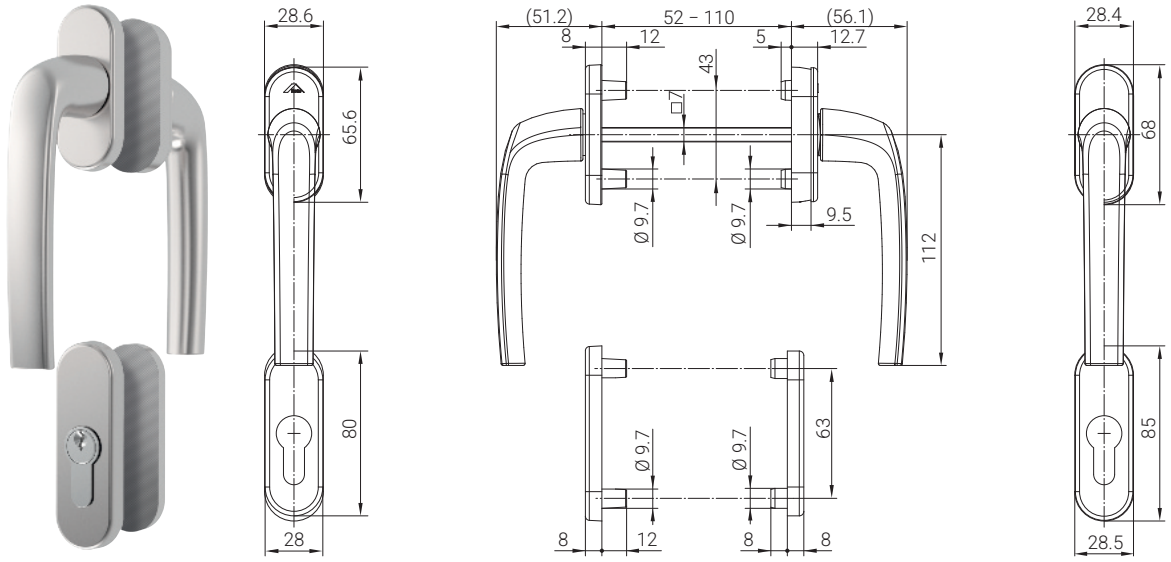
- 1 handle
- 2 fixing screws

INFO

Further information on Secustik → *from page 22*.

32	R01.1	Natural silver	anod.	Y	2	M5x40	80 Piece(s)	639704
	R01.3	Titanium	anod.	Y	2	M5x40	80 Piece(s)	639715
	R04.1	Grey brown	powd-c	Y	2	M5x40	80 Piece(s)	639701
	R05.5	Bronze	anod.	Y	2	M5x40	80 Piece(s)	639712
	R07.2	Traffic white	powd-c	Y	2	M5x40	80 Piece(s)	639698
37	R01.1	Natural silver	anod.	Y	2	M5x50	80 Piece(s)	639706
	R01.3	Titanium	anod.	Y	2	M5x50	80 Piece(s)	639716
	R03.1	Brass matt	anod.	Y	2	M5x50	80 Piece(s)	639710
	R04.1	Grey brown	powd-c	Y	2	M5x50	80 Piece(s)	639702
	R05.5	Bronze	anod.	Y	2	M5x50	80 Piece(s)	639713
	R07.2	Traffic white	powd-c	Y	2	M5x50	80 Piece(s)	639699
43	R01.1	Natural silver	anod.	Y	2	M5x55	80 Piece(s)	639707
	R01.3	Titanium	anod.	Y	2	M5x55	80 Piece(s)	639717
	R03.1	Brass matt	anod.	Y	2	M5x55	80 Piece(s)	639711
	R04.1	Grey brown	powd-c	Y	2	M5x55	80 Piece(s)	639703
	R05.5	Bronze	anod.	Y	2	M5x55	80 Piece(s)	639714
	R07.2	Traffic white	powd-c	Y	2	M5x55	80 Piece(s)	639700

2.4.8 Handle set with escutcheons



Product description

- Handle set with escutcheon version
- Outside: handle securely pinned
- Inside and outside: standard handle with profile cylinder escutcheon
- Concealed screw fixing
- 90° lock-in position

Scope of delivery

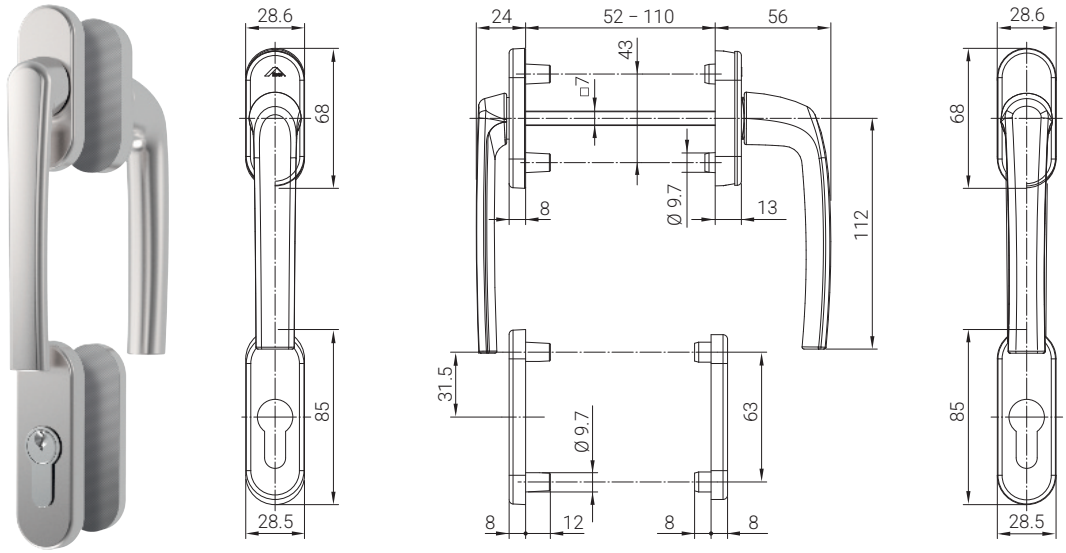
- 2 handles
- 2 profile cylinder escutcheons
- 4 fixing screws, can be shortened

INFO
Profile cylinder is not included in the scope of delivery.

INFO
A flush-encased gearbox is required for use in aluminium profiles .

127	R01.1	Natural silver	anod.	Y	2	M5x110	1 Piece(s)	639815
	R01.3	Titanium	anod.	Y	2	M5x110	1 Piece(s)	639818
	R04.1	Grey brown	powd-c	Y	2	M5x110	1 Piece(s)	639814
	R07.2	Traffic white	powd-c	Y	2	M5x110	1 Piece(s)	639813

2.4.9 Handle set with escutcheons – flat handle on the outside



Product description

- Handle set with escutcheon version
- Outside: handle securely pinned
- Outside: flat handle with profile cylinder escutcheon
- Inside: standard handle with profile cylinder escutcheon
- Concealed screw fixing
- 90° lock-in position

Scope of delivery

- 2 handles
- 2 profile cylinder escutcheons
- 4 fixing screws

INFO
Profile cylinder is not included in the scope of delivery.

127	R01.1	Natural silver	anod.	Y	2	M5x110	1 Piece(s)	640333
	R01.3	Titanium	anod.	Y	2	M5x110	1 Piece(s)	640335
	R04.1	Grey brown	powd-c	Y	2	M5x110	1 Piece(s)	640332
	R07.2	Traffic white	powd-c	Y	2	M5x110	1 Piece(s)	640331

Roto AL





Roto Square

Standard – 114 mm	106
Secustik	107

Roto Line

Standard	108
Lockable 40 Nm	109
Lockable 40 Nm – TiltFirst	110
Lockable 100 Nm	111
Geared-handle	112
Geared-handle – lockable 100 Nm	113
Geared-handle – lockable 100 Nm – TiltFirst	114
Without escutcheon	115
Without escutcheon – set	116
Without escutcheon – lockable 40 Nm	117
Without escutcheon – set – lockable 40 Nm	118
Reverse-action espagnolette	119
Service handle	120
Service handle – for service gear-handle	121

Roto Swing

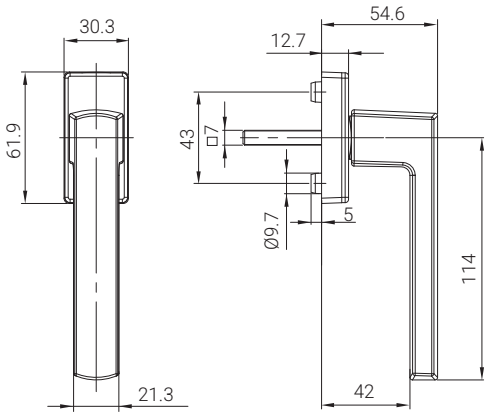
Geared-handle	122
Reverse-action espagnolette	123

3 Roto AL

3.1 Roto Square

3.1.1 Standard – 114 mm





Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

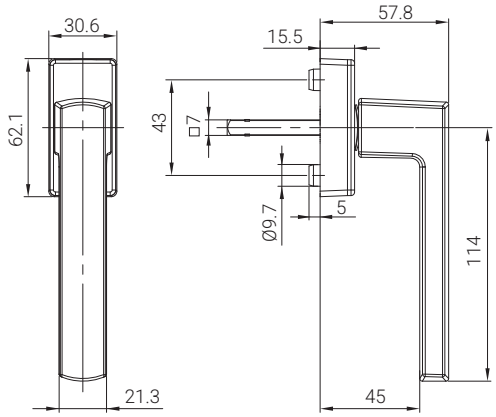
Scope of delivery

- 1 handle
- For fixing screws, see table

	Roto			Roto	#			№
24	R01.1	Natural silver	anod.	Y	2	M5x35	10 Piece(s)	2048704
	R06.2M	Jet black, matt	powd-c	Y	2	M5x35	10 Piece(s)	2048706
	R07.2	Traffic white	powd-c	Y	2	M5x35	10 Piece(s)	2048705

3.1.2 Secustik





Product description

- Protection against being tampered with from the outside
- Clicking sound confirms active security
- Blocking mechanism as integrated basic security
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- For fixing screws, see table

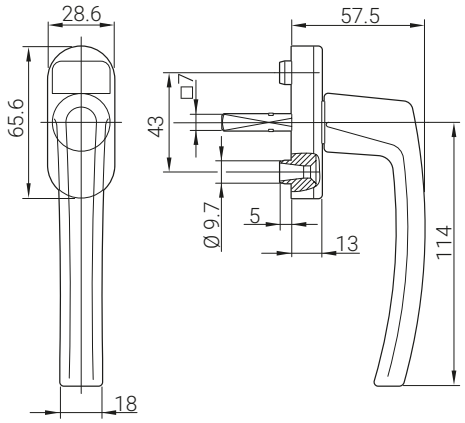
INFO
Further information on Secustik → *from page 22*.

24	R01.1	Natural silver	anod.	Y	2	M5x35	10 Piece(s)	2048751
	R06.2M	Jet black, matt	powd-c	Y	2	M5x35	10 Piece(s)	2048752
	R07.2	Traffic white	powd-c	Y	2	M5x35	10 Piece(s)	2048750

3.2 Roto Line

3.2.1 Standard





Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

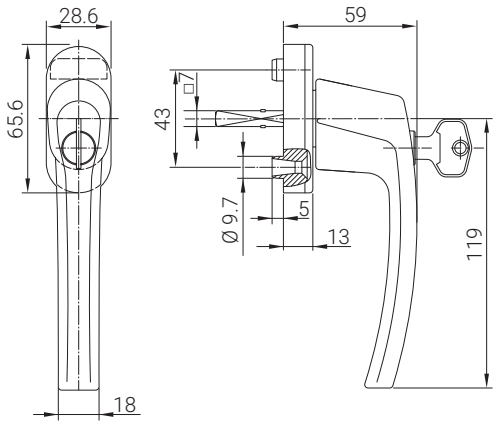
- 1 handle
- For fixing screws, see table

INFO
A flush-encased gearbox is required for use in aluminium profiles .

24	R01.1	Natural silver	–	anod.	Y	–	–	20 Piece(s)	262466
	R01.1	Natural silver	–	anod.	Y	2	M5x35	20 Piece(s)	799867
	R01.3	Titanium	–	anod.	Y	–	–	20 Piece(s)	341748
	R02.2	Anthracite grey	–	powd-c	Y	2	M5x30	20 Piece(s)	2052828
	R06.2M	Jet black, matt	–	powd-c	Y	2	M5x30	20 Piece(s)	857277
	R06.2M	Jet black, matt	–	powd-c	Y	2	M5x35	20 Piece(s)	2033353
	R07.2	Traffic white	–	powd-c	Y	2	M5x35	20 Piece(s)	2043566
	R07.2	Traffic white	–	powd-c	N	2	M5x35	20 Piece(s)	858980
	SF	Special colour	Escutcheon: Jet black	powd-c	Y	2	M5x35	20 Piece(s)	788812

3.2.2 Lockable 40 Nm





Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

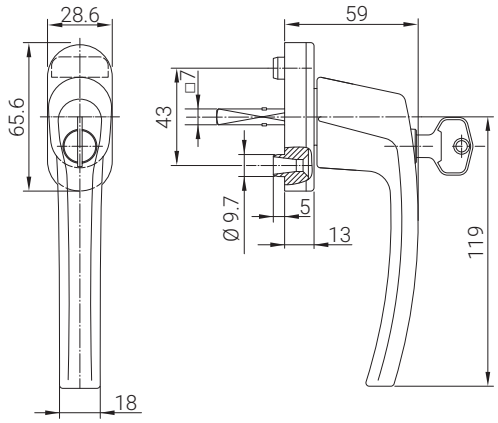
- 1 handle
- 1 key
- For fixing screws, see table

INFO
A flush-encased gearbox is required for use in aluminium profiles .

24	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	610560
	R01.5	Silver	anod.	N	2	M5x30	15 Piece(s)	640325
	R02.2	Anthracite grey	powd-c	Y	–	–	15 Piece(s)	2052830
	R06.2	Jet black	powd-c	Y	2	M5x40	15 Piece(s)	840755
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	765011

3.2.3 Lockable 40 Nm – TiltFirst





Product description

- For window systems with the TiltFirst application (tilting before turning)
- Closure: rotary cylinder with reversible key
- Can be locked in the 0° and 90° position
- 90° lock-in position

Scope of delivery

- 1 handle
- 1 key
- For fixing screws, see table

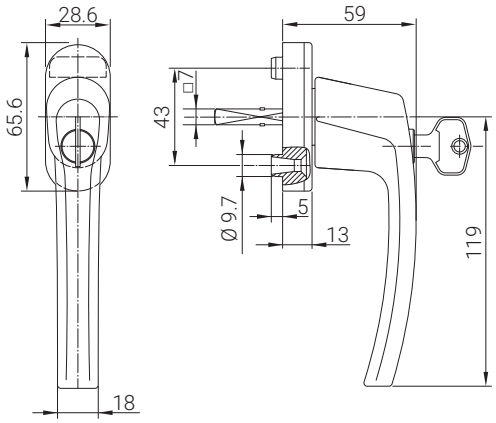
INFO
Further information on TiltFirst → *from page 23*.

INFO
A flush-encased gearbox is required for use in aluminium profiles .

24	R01.1	Natural silver	–	anod.	Y	2	M5x40	15 Piece(s)	799843
	R01.1	Natural silver	–	anod.	Y	2	M5x30	15 Piece(s)	820885
	R01.1	Natural silver	–	anod.	N	2	M5x35	20 Piece(s)	858991
	R01.3	Titanium	–	anod.	Y	2	M5x40	15 Piece(s)	799844
	R02.2	Anthracite grey	–	powd-c	Y	2	M5x30	20 Piece(s)	2052829
	R07.2	Traffic white	–	powd-c	Y	2	M5x40	15 Piece(s)	799845
	R07.2	Traffic white	–	powd-c	Y	2	M5x30	15 Piece(s)	820886
	R07.2	Traffic white	–	powd-c	N	2	M5x35	20 Piece(s)	858990
	SF	Special colour	Escutcheon: Steel grey	anod.	Y	2	M5x35	15 Piece(s)	800422
	SF	Special colour	Escutcheon: Jet black	powd-c	Y	2	M5x35	15 Piece(s)	788850

3.2.4 Lockable 100 Nm





Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- 1 key
- For fixing screws, see table

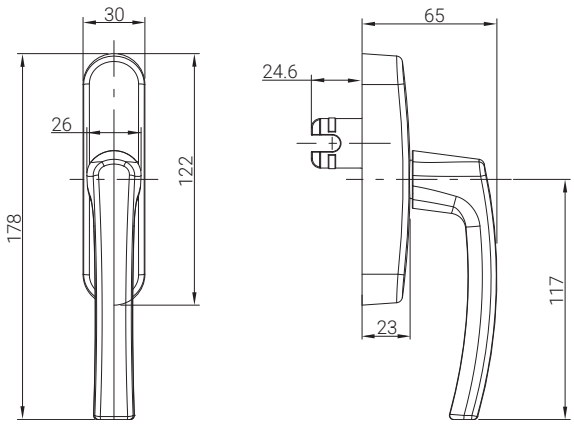
INFO
Further information on lockable handles → *from page 20*.

INFO
A flush-encased gearbox is required for use in aluminium profiles .

	Roto			Roto	#			№
24	R01.1	Natural silver	anod.	Y	2	M5x30	20 Piece(s)	819857
	R01.1	Natural silver	anod.	N	2	M5x35	20 Piece(s)	858985
	R01.3	Titanium	anod.	N	2	M5x35	20 Piece(s)	858986
	R07.2	Traffic white	powd-c	Y	2	M5x30	20 Piece(s)	819856
	R07.2	Traffic white	powd-c	N	2	M5x35	20 Piece(s)	858984

3.2.5 Geared-handle







Product description

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

Scope of delivery

- 1 geared-handle with handle

26	R01.1	Natural silver	anod.	Y	–	–	10 Piece(s)	238671
	R01.5	Silver	powd-c	Y	–	–	10 Piece(s)	377474
			powd-c	N	–	–	10 Piece(s)	384503
	R01.5M	Matt silver	powd-c	Y	–	–	10 Piece(s)	2036789
			powd-c	N	–	–	10 Piece(s)	2036790
	R05.4	Dark bronze	powd-c	Y	–	–	10 Piece(s)	377478
			powd-c	N	–	–	10 Piece(s)	384504
	R06.2	Jet black	powd-c	Y	–	–	10 Piece(s)	385190
	R06.2M	Jet black, matt	powd-c	Y	–	–	10 Piece(s)	377475
			powd-c	N	–	–	10 Piece(s)	384505
	R07.1	Pure white	powd-c	Y	–	–	10 Piece(s)	377476
			powd-c	N	–	–	10 Piece(s)	384506
	R07.2	Traffic white	powd-c	Y	–	–	10 Piece(s)	377477
			powd-c	N	–	–	10 Piece(s)	384507
	R03.3	Gold	met p	N	–	–	10 Piece(s)	457093
	R03.4	Stainless-steel design	met p	Y	–	–	10 Piece(s)	335880
	SF	Special colour	wet p powd-c	Y	–	–	10 Piece(s)	377479
			wet p powd-c	N	–	–	10 Piece(s)	384508
	R00.0	Uncoated	–	N	–	–	10 Piece(s)	632981
32	R01.5M	Matt silver	powd-c	Y	–	–	10 Piece(s)	2036746
	R06.2M	Jet black, matt	powd-c	Y	–	–	10 Piece(s)	384084
	R07.1	Pure white	powd-c	Y	–	–	10 Piece(s)	384095
	R07.2	Traffic white	anod.	Y	–	–	10 Piece(s)	384096

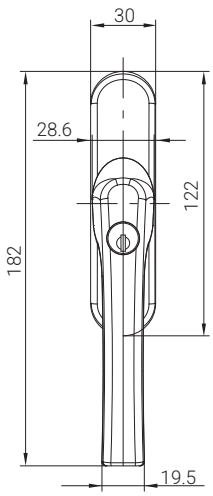
Accessories for geared-handles .

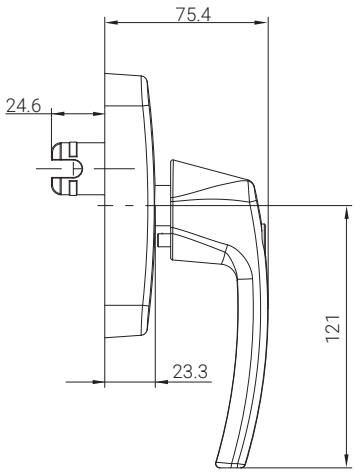
Fork for geared-handle , other fork lengths are available upon request.

INFO
The uncoated handle is not supplied assembled.

3.2.6 Geared-handle – lockable 100 Nm







Product description

- Lockable handle with tested torque 100 Nm
- Closure: cylinder with reversible key
- 90° lock-in position

Scope of delivery

- 1 geared-handle with handle
- 2 keys

26	R01.5	Silver	powd-c	Y	–	–	10 Piece(s)	378843
	R01.5M	Matt silver	powd-c	Y	–	–	10 Piece(s)	2036937
			powd-c	N	–	–	10 Piece(s)	2036938
	R03.4	Stainless-steel design	Nickel-plated	Y	–	–	10 Piece(s)	335881
	R05.4	Dark bronze	powd-c	Y	–	–	10 Piece(s)	378917
	R06.2M	Jet black, matt	powd-c	Y	–	–	10 Piece(s)	378844
	R06.2	Jet black	powd-c	Y	–	–	10 Piece(s)	385193
	R07.1	Pure white	powd-c	Y	–	–	10 Piece(s)	378915
			powd-c	N	–	–	10 Piece(s)	384521
	R07.2	Traffic white	powd-c	Y	–	–	10 Piece(s)	378916
	SF	Special colour	wet p powd-c	Y	–	–	10 Piece(s)	378918
			wet p powd-c	N	–	–	10 Piece(s)	384523
	R00.0	Uncoated	–	N	–	–	10 Piece(s)	238700
32	R01.5	Silver	anod.	Y	–	–	10 Piece(s)	384099

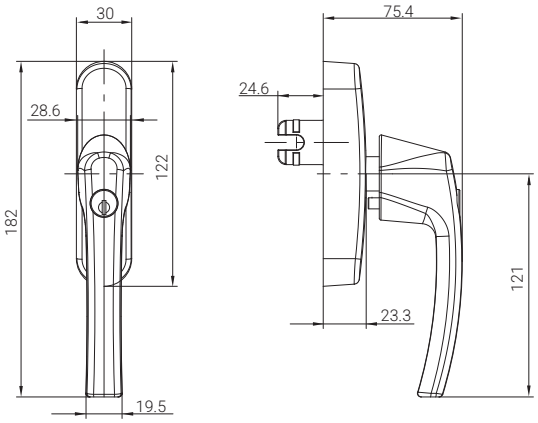
Accessories for geared-handles .

Fork for geared-handle , other fork lengths are available upon request.

INFO
The uncoated handle is not supplied assembled.

3.2.7 Geared-handle – lockable 100 Nm – TiltFirst





Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- For window systems with the TiltFirst application (tilting before turning)
- 90° lock-in position

Scope of delivery

- 1 handle
- 2 keys

INFO
Further information on TiltFirst → *from page 23*.

26	R01.5	Silver	powd-c	Y	–	–	10 Piece(s)	378919
	R01.5M	Matt silver	powd-c	Y	–	–	10 Piece(s)	2036949
	R05.4	Dark bronze	powd-c	Y	–	–	10 Piece(s)	378923
	R06.2M	Jet black, matt	powd-c	Y	–	–	10 Piece(s)	378920
	R07.2	Traffic white	powd-c	Y	–	–	10 Piece(s)	378922
	R07.1	Pure white	powd-c	Y	–	–	10 Piece(s)	378921
	SF	Special colour	wet p powd-c	Y	–	–	10 Piece(s)	378924
	R00.0	Uncoated	–	N	–	–	10 Piece(s)	238716

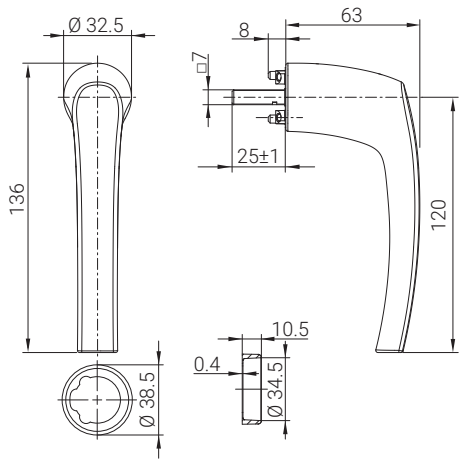
Accessories for geared-handles .

Fork for geared-handle , other fork lengths are available upon request.

INFO
The uncoated handle is not supplied assembled.

3.2.8 Without escutcheon





Product description

- Basic handle without additional functions
- Can be optionally combined with colour-coordinated ring escutcheon
- Concealed screw fixing
- 90° lock-in position

Scope of delivery

- 1 handle
- 2 fixing screws
- 1 transport safety device

25	R01.5	Silver	powd-c	N	2	M4x12.5	10 Piece(s)	377908
	R01.5M	Matt silver	powd-c	N	2	M4x12.5	10 Piece(s)	2037024
	R03.4	Stainless-steel design	met p	N	2	M4x12.5	10 Piece(s)	619288
	R05.4	Dark bronze	anod.	N	2	M4x12.5	10 Piece(s)	377912
	R06.2M	Jet black, matt	powd-c	N	2	M4x12.5	10 Piece(s)	377909
	R07.1	Pure white	powd-c	N	2	M4x12.5	10 Piece(s)	377910
	R07.2	Traffic white	powd-c	N	2	M4x12.5	10 Piece(s)	377911
	SF	Special colour	wet p powd-c	N	2	M4x12.5	10 Piece(s)	377913

Accessories for handle without escutcheon .

3.2.9 Without escutcheon – set





Product description

- Basic handle without additional functions
- Concealed screw fixing
- 90° lock-in position
- Aluminium ring escutcheon
- Mounting plate for attaching handles without escutcheons to aluminium profiles

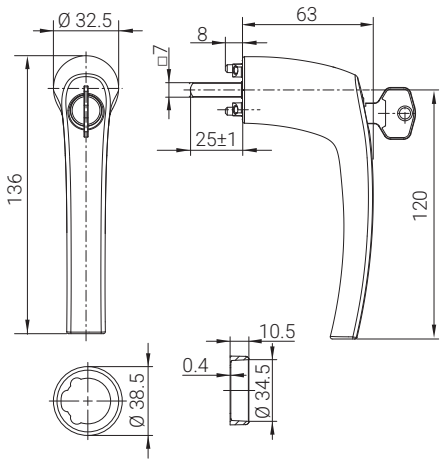
Scope of delivery

- 1 handle
  2 fixing screws
- 1 transport safety device
- 1 ring
- 1 mounting plate

25	R01.5	Silver	anod.	N	10 Piece(s)	857302
	R01.5M	Matt silver	powd-c	N	10 Piece(s)	2037035
	R05.4	Dark bronze	anod.	N	10 Piece(s)	857303
	R06.2M	Jet black, matt	powd-c	N	10 Piece(s)	857304
	R07.2	Traffic white	powd-c	N	10 Piece(s)	857315

3.2.10 Without escutcheon – lockable 40 Nm





Product description

- Lockable handle with tested torque of 40 Nm
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position

Scope of delivery

- 1 handle
- 1 key
- 2 fixing screws
- 1 transport safety device

25	R01.5	Silver	powd-c	N	2	M4x12.5	10 Piece(s)	377914
	R01.5M	Matt silver	powd-c	N	2	M4x12.5	10 Piece(s)	2037026
	R03.4	Stainless-steel design	anod.	N	2	M4x12.5	10 Piece(s)	619289
	R05.4	Dark bronze	anod.	N	2	M4x12.5	10 Piece(s)	377918
	R06.2	Jet black	powd-c	N	2	M4x12.5	10 Piece(s)	377915
	R07.2	Traffic white	powd-c	N	2	M4x12.5	10 Piece(s)	377917
	SF	Special colour	wet p powd-c	N	2	M4x12.5	10 Piece(s)	377919

Accessories for handle without escutcheon .

3.2.11 Without escutcheon – set – lockable 40 Nm





Product description

- Lockable handle with tested torque of 40 Nm
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position
- Aluminium ring escutcheon
- Mounting plate for attaching handles without escutcheons to aluminium profiles

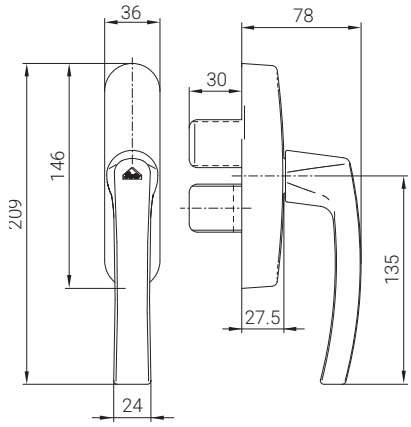
Scope of delivery

- 1 handle
  2 fixing screws
- 1 key
- 1 transport safety device
- 1 ring
- 1 mounting plate

25	R01.5	Silver	N	anod.	10 Piece(s)	857317
	R01.5M	Matt silver	N	powd-c	10 Piece(s)	2037036
	R05.4	Dark bronze	N	anod.	10 Piece(s)	857320
	R06.2M	Jet black, matt	N	powd-c	10 Piece(s)	857318
	R07.2	Traffic white	N	powd-c	10 Piece(s)	857319

3.2.12 Reverse-action espagnolette





Product description

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

Scope of delivery

- 1 handle with reverse-action espagnolette

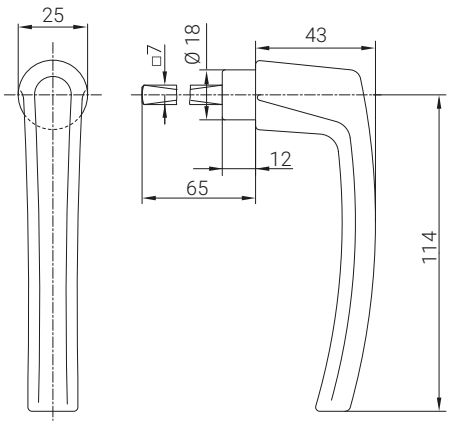
30	R01.5	Silver	powd-c	Y	–	–	10 Piece(s)	378925
	R01.5M	Matt silver	powd-c	Y	–	–	10 Piece(s)	2036748
	R06.2M	Jet black, matt	powd-c	Y	–	–	10 Piece(s)	378926
	R07.2	Traffic white	powd-c	Y	–	–	10 Piece(s)	378928
	SF	Special colour	wet p powd-c	Y	–	–	10 Piece(s)	378930
	R00.0	Uncoated	–	N	–	–	10 Piece(s)	238742

Compatible connector set for reverse-action espagnolette

INFO
The uncoated handle is not supplied assembled.

3.2.13 Service handle





Product description

- Service handle without additional functions

Scope of delivery

- 1 handle
- For fixing screws, see table

INFO

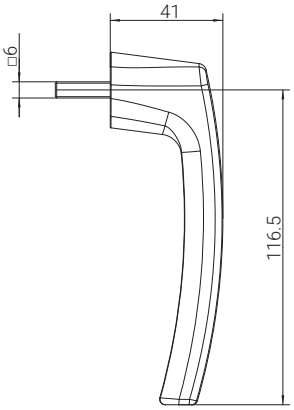
Escutcheon for service handle for use with Roto Line → *from page 75*.

65	R07.2	Traffic white	powd-c	N	–	–	30 Piece(s)	257628

3.2.14 Service handle – for service gear-handle







Product description

- Service handle without additional functions

Scope of delivery

- 1 handle

INFO

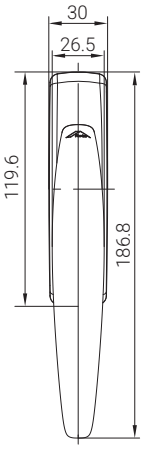
Required for use with Roto Line service gear-handle.

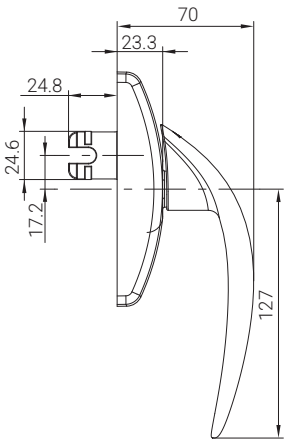
	Roto			Roto	#			№
20	R01.5M	Matt silver	powd-c	N	–	–	10 Piece(s)	2036983

3.3 Roto Swing

3.3.1 Geared-handle







Product description

- Basic handle without additional functions for AL 300
- 90° lock-in position

Scope of delivery

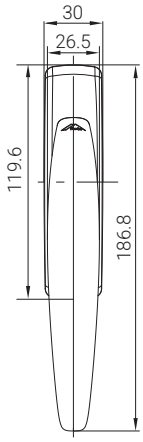
- 1 handle with geared-handle

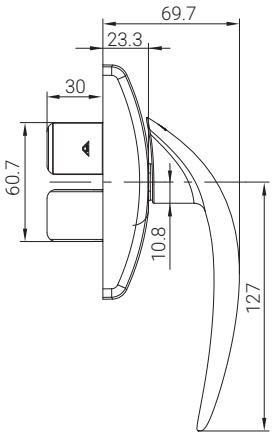
26	R01.1	Natural silver	powd-c	Y	–	–	10 Piece(s)	572766
	R01.5	Silver	powd-c	Y	–	–	10 Piece(s)	486161
	R03.3	Gold	Nickel-plated	N	–	–	10 Piece(s)	486539
	R05.4	Dark bronze	powd-c	Y	–	–	10 Piece(s)	490169
	R06.2	Jet black	powd-c	Y	–	–	10 Piece(s)	486162
	R07.2	Traffic white	powd-c	Y	–	–	10 Piece(s)	486163
	SF	Special colour	wet p powd-c	N	–	–	10 Piece(s)	486165
	R00.0	Uncoated	–	Y	–	–	10 Piece(s)	486164

Accessories for geared-handles .

3.3.2 Reverse-action espagnolette







Product description

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

Scope of delivery

- 1 handle with reverse-action espagnolette

30	R01.5	Silver	powd-c	N	–	–	10 Piece(s)	486277
	R06.2	Jet black	powd-c	N	–	–	10 Piece(s)	490162
	R07.2	Traffic white	powd-c	N	–	–	10 Piece(s)	490163
	R00.0	Uncoated	–	N	–	–	10 Piece(s)	490164

Compatible connector set for reverse-action espagnolette

Roto Line

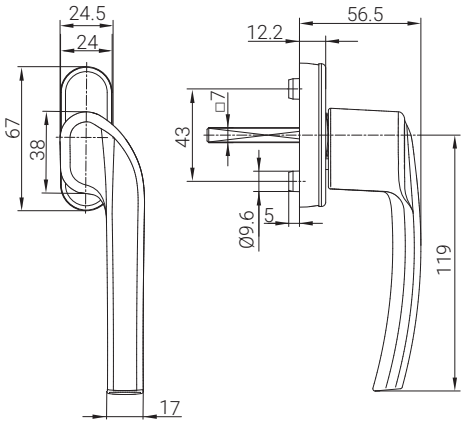
Cranked	126
Push-to-open (MK 2)	127
Lockable 40 Nm – cranked	128
Lockable – cranked (MK 2)	129
Lockable (MK3)	130
Geared-handle	131
Geared-handle – cranked	132
Geared-handle – lockable 100 Nm	133
Changeover espagnolette	134

4 Roto Outward Opening

4.1 Roto Line

4.1.1 Cranked





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

Product description

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

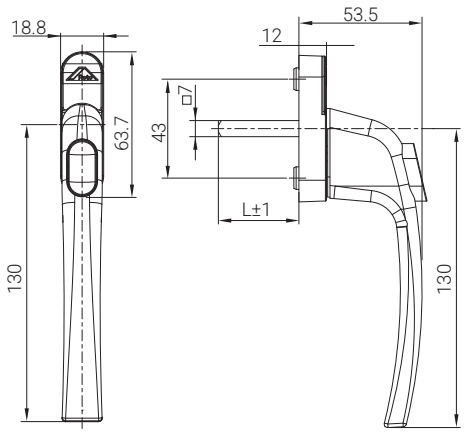
Scope of delivery

- 1 handle

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

4.1.2 Push-to-open (MK 2)





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

Product description

- Handle with push-to-open mechanism
- 90° lock-in position

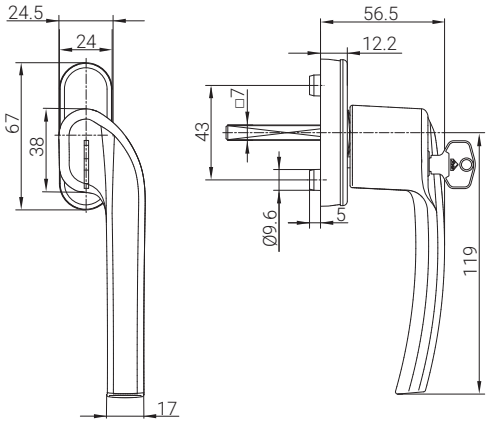
Scope of delivery

- 1 handle

30	R07.2	Traffic white	powd-c	Y	–	–	40 Piece(s)	258401
43	R07.2	Traffic white	powd-c	Y	–	–	40 Piece(s)	280995

4.1.3 Lockable 40 Nm – cranked





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

Product description

- Lockable handle with tested torque of 40 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of SKG
- 90° lock-in position

Scope of delivery

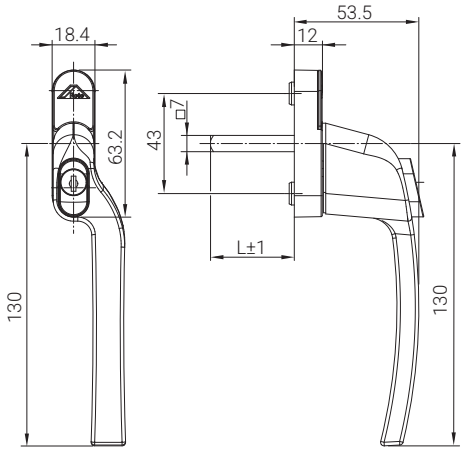
- 1 handle
- 1 key

INFO
Further information on lockable handles → *from page 20*.

43	R01.1	Natural silver	anod.	N	SKG	–	–	40 Piece(s)	Left	375322
			anod.	Y	SKG	–	–	40 Piece(s)	Right	375819
	R01.3	Titanium	anod.	N	SKG	–	–	40 Piece(s)	Left	375325
			anod.	N	SKG	–	–	40 Piece(s)	Right	375820
	R07.2	Traffic white	powd-c	N	SKG	–	–	40 Piece(s)	Left	375330
			powd-c	N	SKG	–	–	40 Piece(s)	Right	375821

4.1.4 Lockable – cranked (MK 2)





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

Product description

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

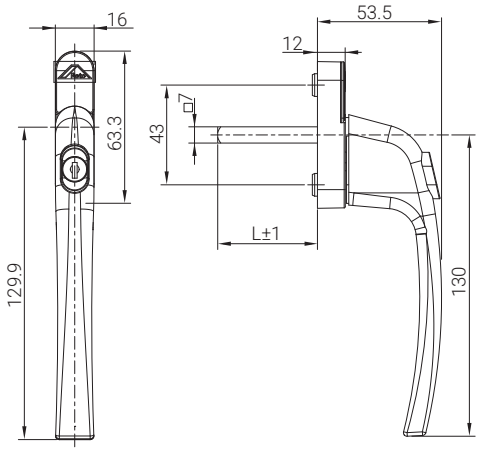
Scope of delivery

- 1 handle
- 1 key

43	R01.1	Natural silver	Y	anod.	–	–	Left	40 Piece(s)	345790
			Y	anod.	–	–	Right	40 Piece(s)	345792
50	R01.4	Chromium	Y	anod.	–	–	Left	40 Piece(s)	2006173
			Y	anod.	–	–	Right	40 Piece(s)	2006174
	R01.4M	Matt chrome	Y	anod.	–	–	Left	40 Piece(s)	2006177
			Y	anod.	–	–	Right	40 Piece(s)	2006178
	R07.2	Traffic white	Y	anod.	–	–	Left	40 Piece(s)	2006175
			Y	anod.	–	–	Right	40 Piece(s)	2006176

4.1.5 Lockable (MK3)





Product description

- Handle, lockable
- 90° lock-in position

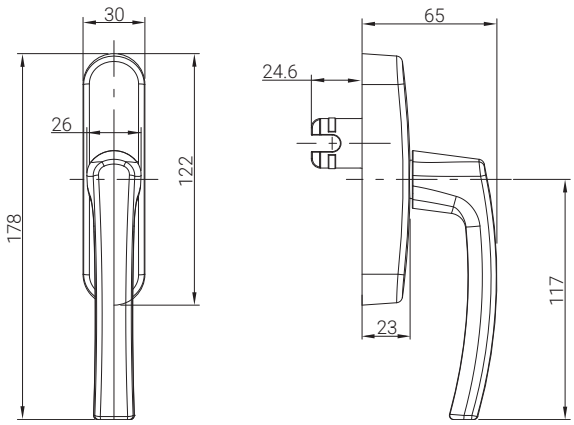
Scope of delivery

- 1 handle
- 1 key

30	R07.2	Traffic white	powd-c	Y	–	–	40 Piece(s)	335285
43	R01.4	Chromium	anod.	Y	–	–	40 Piece(s)	355532
	R03.3	Gold	anod.	Y	–	–	40 Piece(s)	335288
	R07.2	Traffic white	powd-c	Y	–	–	40 Piece(s)	335284

4.1.6 Geared-handle







Product description

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

Scope of delivery

- 1 geared-handle with handle

26	R01.1	Natural silver	anod.	Y	–	–	10 Piece(s)	238671
	R01.5	Silver	powd-c	Y	–	–	10 Piece(s)	377474
	R01.5	Silver	powd-c	N	–	–	10 Piece(s)	384503
	R01.5M	Matt silver	powd-c	Y	–	–	10 Piece(s)	2036789
	R01.5M	Matt silver	powd-c	N	–	–	10 Piece(s)	2036790
	R05.4	Dark bronze	powd-c	Y	–	–	10 Piece(s)	377478
	R05.4	Dark bronze	powd-c	N	–	–	10 Piece(s)	384504
	R06.2	Jet black	powd-c	Y	–	–	10 Piece(s)	385190
	R06.2M	Jet black, matt	powd-c	Y	–	–	10 Piece(s)	377475
	R06.2M	Jet black, matt	powd-c	N	–	–	10 Piece(s)	384505
	R07.1	Pure white	powd-c	Y	–	–	10 Piece(s)	377476
	R07.1	Pure white	powd-c	N	–	–	10 Piece(s)	384506
	R07.2	Traffic white	powd-c	Y	–	–	10 Piece(s)	377477
	R07.2	Traffic white	powd-c	N	–	–	10 Piece(s)	384507
	R03.3	Gold	met p	N	–	–	10 Piece(s)	457093
	R03.4	Stainless-steel design	met p	Y	–	–	10 Piece(s)	335880
	SF	Special colour	wet p powd-c	Y	–	–	10 Piece(s)	377479
	SF	Special colour	wet p powd-c	N	–	–	10 Piece(s)	384508
	R00.0	Uncoated	–	N	–	–	10 Piece(s)	632981

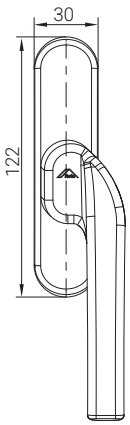
Fork for geared-handle , other fork lengths are available upon request.

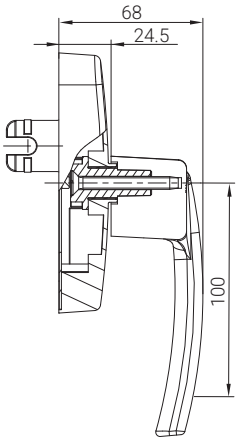
Accessories for geared-handles .

INFO
The uncoated handle is not supplied assembled.

4.1.7 Geared-handle – cranked







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

Product description

- Cranked handle without additional functions
- 90° lock-in position

Scope of delivery

- 1 handle

26	R01.5	Silver	powd-c	Y	–	–	Left	10 Piece(s)	477855
			powd-c	Y	–	–	Right	10 Piece(s)	477856
	R06.2	Jet black	powd-c	Y	–	–	Left	10 Piece(s)	477857
			powd-c	Y	–	–	Right	10 Piece(s)	477858
	R07.2	Traffic white	powd-c	Y	–	–	Left	10 Piece(s)	477543
			powd-c	Y	–	–	Right	10 Piece(s)	477544
	R00.0	Uncoated	–	N	–	–	Left	10 Piece(s)	477859
32	R01.5	Silver	powd-c	Y	–	–	Left	10 Piece(s)	493977
	R06.2	Jet black	powd-c	Y	–	–	Right	10 Piece(s)	492893

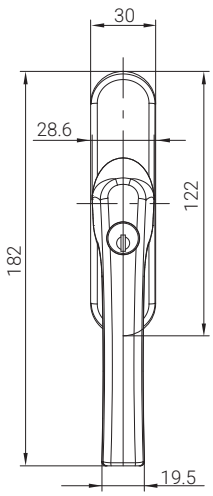
Fork for Roto Line geared-handle , other fork lengths are available upon request.

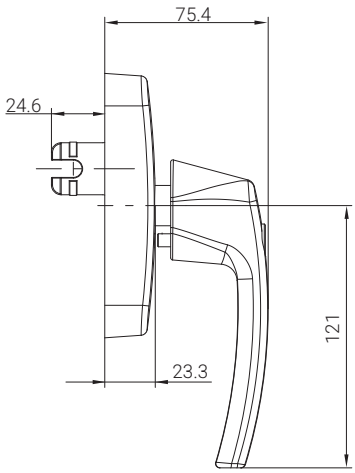
Compatible T connectors .

INFO
The uncoated handle is not supplied assembled.

4.1.8 Geared-handle – lockable 100 Nm







Product description

- Lockable handle with tested torque 100 Nm
- Closure: cylinder with reversible key
- 90° lock-in position

Scope of delivery

- 1 geared-handle with handle
- 2 keys

INFO
Further information on lockable handles → *from page 20*.

26	Silver	R01.5	powd-c	Y	–	–	10 Piece(s)	378843
	Matt silver	R01.5M	powd-c	Y	–	–	10 Piece(s)	2036937
	Matt silver	R01.5M	powd-c	N	–	–	10 Piece(s)	2036938
	Stainless-steel design	R03.4	Nickel-plated	Y	–	–	10 Piece(s)	335881
	Dark bronze	R05.4	powd-c	Y	–	–	10 Piece(s)	378917
	Jet black, matt	R06.2M	powd-c	Y	–	–	10 Piece(s)	378844
	Jet black	R06.2	powd-c	Y	–	–	10 Piece(s)	385193
	Pure white	R07.1	powd-c	Y	–	–	10 Piece(s)	378915
	Pure white	R07.1	powd-c	N	–	–	10 Piece(s)	384521
	Traffic white	R07.2	powd-c	Y	–	–	10 Piece(s)	378916
	Special colour	SF	wet p powd-c	Y	–	–	10 Piece(s)	378918
	Special colour	SF	wet p powd-c	N	–	–	10 Piece(s)	384523
	Uncoated	R00.0	–	N	–	–	10 Piece(s)	238700

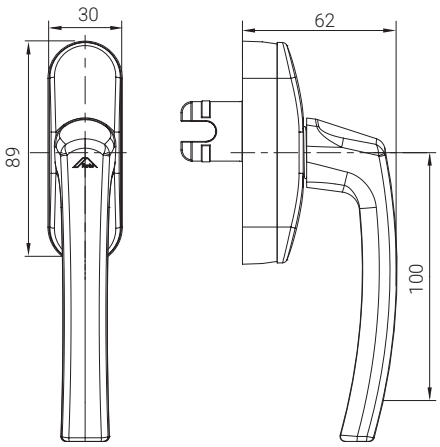
Fork for geared-handle , other fork lengths are available upon request.

Accessories for geared-handles .

INFO
The uncoated handle is not supplied assembled.

4.1.9 Changeover espagnolette





Product description

- Basic handle without additional functions
- Can be screwed on from the outside
- 90° lock-in position

Scope of delivery

- 1 handle with changeover espagnolette

26	R01.5	Silver	Y	10 Piece(s)	491336
	R04.1	Grey brown	Y	10 Piece(s)	491337
	R06.2	Jet black	Y	10 Piece(s)	491338
	R07.2	Traffic white	Y	10 Piece(s)	491335
	R00.0	Untreated	N	10 Piece(s)	491339

Fork for Roto Line changeover espagnolette , other fork lengths are available upon request.

Compatible T connectors .

Roto Patio Fold





Roto Square

Standard	140
Standard – VarioFit	141
Push-to-open	142
Lockable 40 Nm	143
Lockable 40 Nm – VarioFit	144
Lockable 100 Nm	145
Half-set on the inside with escutcheon	146
Half-set on the outside with escutcheon	147
Half-set on the outside with escutcheon – flat handle	148

Roto Line

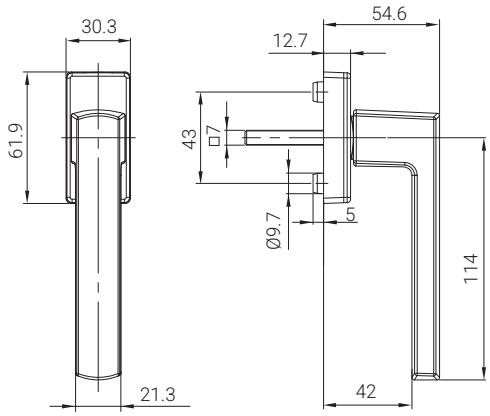
Flat handle	149
Standard	150
Push-to-open	152
Lockable 40 Nm	153
Lockable 100 Nm	155
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Geared-handle	158
Geared-handle – lockable 100 Nm	159
Without escutcheon	160
Without escutcheon – set	161
Without escutcheon – lockable 40 Nm	162
Without escutcheon – set – lockable 40 Nm	163
Handle set with escutcheons	164
Handle set with escutcheons – flat handle on the outside	166

5 Roto Patio Fold

5.1 Roto Square

5.1.1 Standard





Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

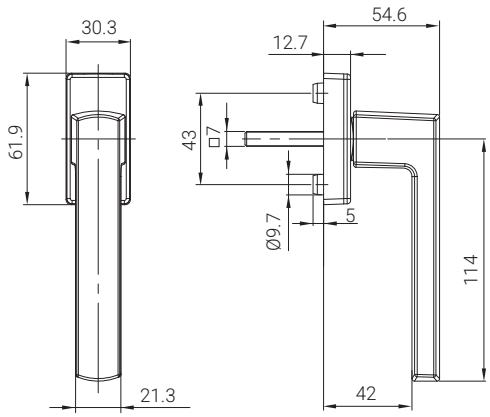
Scope of delivery

- 1 handle
- For fixing screws, see table

24	R01.1	Natural silver	anod.	Y	2	M5x35	10 Piece(s)	2048704
	R06.2M	Jet black, matt	powd-c	Y	2	M5x35	10 Piece(s)	2048706
	R07.2	Traffic white	powd-c	Y	2	M5x35	10 Piece(s)	2048705
30	R01.1	Natural silver	anod.	Y	2	M5x40	10 Piece(s)	2048708
	R06.2M	Jet black, matt	powd-c	Y	2	M5x40	10 Piece(s)	2048711
	R07.2	Traffic white	powd-c	Y	2	M5x40	10 Piece(s)	2048709
37	R01.1	Natural silver	anod.	Y	2	M5x45	10 Piece(s)	2048712
	R01.3	Titanium	anod.	Y	2	M5x45	10 Piece(s)	2048713
	R05.5	Bronze	anod.	Y	2	M5x45	10 Piece(s)	2048716
	R06.2M	Jet black, matt	powd-c	Y	2	M5x45	10 Piece(s)	2048717
	R07.2	Traffic white	powd-c	Y	2	M5x45	10 Piece(s)	2048714
43	R01.1	Natural silver	anod.	Y	2	M5x50	10 Piece(s)	2048720
	R01.3	Titanium	anod.	Y	2	M5x50	10 Piece(s)	2048723
	R05.5	Bronze	anod.	Y	2	M5x50	10 Piece(s)	2048721
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	10 Piece(s)	2048722
	R07.2	Traffic white	powd-c	Y	2	M5x50	10 Piece(s)	2048719

5.1.2 Standard – VarioFit







Product description

- Basic handle with VarioFit
  Flexible use thanks to compression spring
- Spindle length from 32 to 42 mm
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

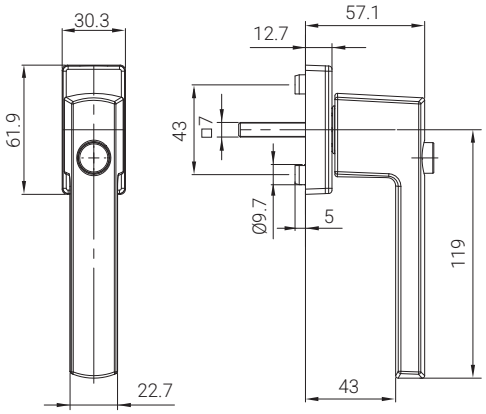
Scope of delivery

- 1 handle
- For fixing screws, see table

VarioFit	R01.1	Natural silver	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048727
	R06.2M	Jet black, matt	powd-c	Y	4	M5x45 M5x50	10 Piece(s)	2048729
	R07.2	Traffic white	powd-c	Y	4	M5x45 M5x50	10 Piece(s)	2048726

5.1.3 Push-to-open









Product description

- Handle with push-to-open mechanism
- The push-to-open function makes locking and unlocking possible
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

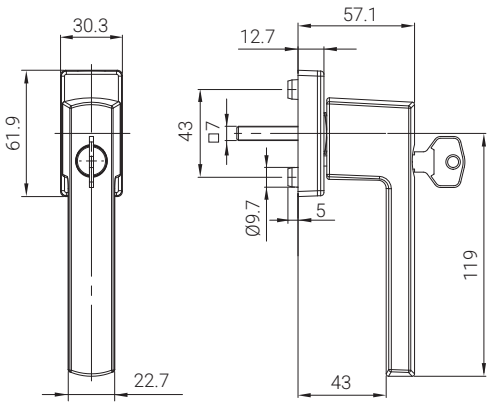
Scope of delivery

- 1 handle
- For fixing screws, see table

43	R01.1	Natural silver	Y	anod.	2	M5x55	10 Piece(s)	2048841
	R06.2M	Jet black, matt	Y	powd-c	2	M5x55	10 Piece(s)	2048843
	R07.2	Traffic white	Y	powd-c	2	M5x55	10 Piece(s)	2048840

5.1.4 Lockable 40 Nm





Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

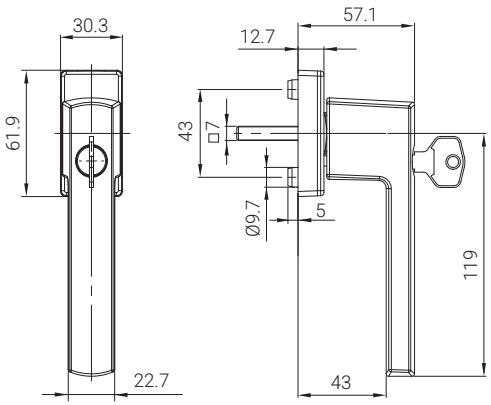
Scope of delivery

- 1 handle
- 1 key
- For fixing screws, see table

37	R01.1	Natural silver	anod.	Y	2	M5x45	10 Piece(s)	2048801
	R06.2M	Jet black, matt	powd-c	Y	2	M5x45	10 Piece(s)	2048803
	R07.2	Traffic white	powd-c	Y	2	M5x45	10 Piece(s)	2048800
43	R01.1	Natural silver	anod.	Y	2	M5x50	10 Piece(s)	2048808
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	10 Piece(s)	2048810
	R07.2	Traffic white	powd-c	Y	2	M5x50	10 Piece(s)	2048807

5.1.5 Lockable 40 Nm – VarioFit





Product description

- Lockable handle with tested torque of 40 Nm and VarioFit (basic security)
  Flexible use thanks to compression spring
- Spindle length from 32 to 42 mm
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

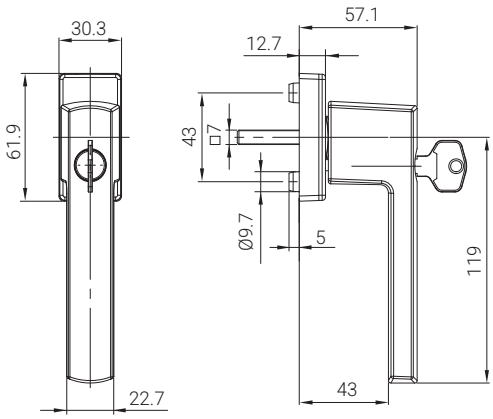
Scope of delivery

- 1 handle
- 1 key
- For fixing screws, see table

VarioFit	R01.1	Natural silver	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048815
	R01.3	Titanium	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048818
	R05.5	Bronze	anod.	Y	4	M5x45 M5x50	10 Piece(s)	2048816
	R06.2M	Jet black, matt	powd-c	Y	4	M5x45 M5x50	10 Piece(s)	2048817
	R07.2	Traffic white	powd-c	Y	4	M5x45 M5x50	10 Piece(s)	2048814

5.1.6 Lockable 100 Nm





Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

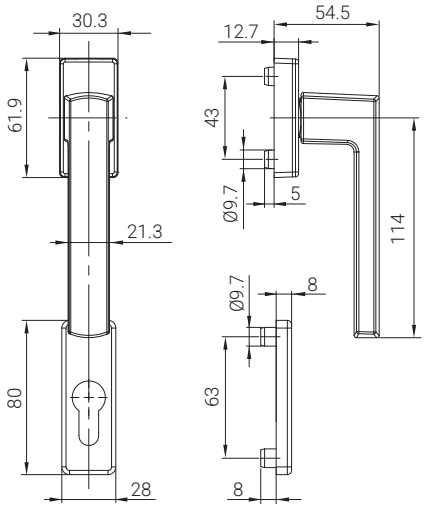
- 1 handle
- 1 key
- For fixing screws, see table

INFO
Further information on lockable handles → *from page 20*.

37	R01.1	Natural silver	Y	anod.	2	M5x45	10 Piece(s)	2048820
	R06.2M	Jet black, matt	Y	powd-c	2	M5x45	10 Piece(s)	2048822
	R07.2	Traffic white	Y	powd-c	2	M5x45	10 Piece(s)	2048819
43	R01.1	Natural silver	Y	anod.	2	M5x55	10 Piece(s)	2048827
	R06.2M	Jet black, matt	Y	powd-c	2	M5x55	10 Piece(s)	2048829
	R07.2	Traffic white	Y	powd-c	2	M5x55	10 Piece(s)	2048826

5.1.7 Half-set on the inside with escutcheon





Product description

- Inside: standard handle with profile cylinder escutcheon
- 90° lock-in position

Scope of delivery

- 1 handle
- 1 profile cylinder escutcheon

Roto			Roto	#			№
R01.1	Natural silver	anod.	Y	–	–	1 Piece(s)	2048866
R01.3	Titanium	anod.	Y	–	–	1 Piece(s)	2048869
R05.5	Bronze	anod.	Y	–	–	1 Piece(s)	2048867
R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2048868
R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2048865

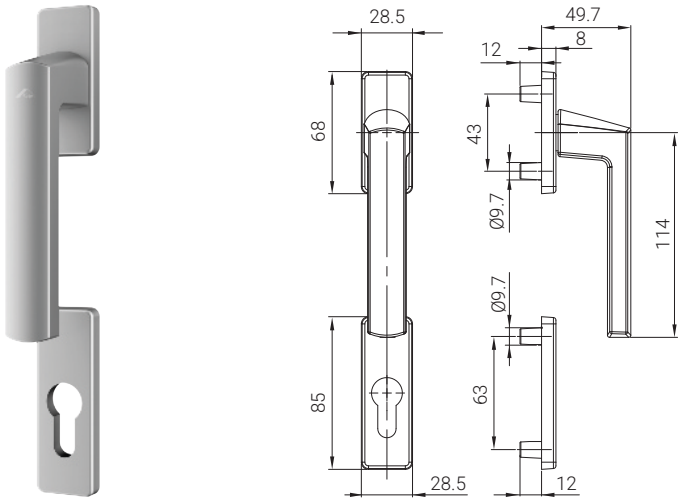
Accessory set

Scope of delivery

- 1 square spindle
- Screws: see table
- Spring

	#		№
130	4	M5x110	2054898
155	4	M5x110	2054899

5.1.8 Half-set on the outside with escutcheon



Product description

- Outside: standard handle with profile cylinder escutcheon
- 90° lock-in position

Scope of delivery

- 1 handle
- 1 profile cylinder escutcheon

Roto			Roto	#			№
R01.1	Natural silver	anod.	Y	–	–	1 Piece(s)	2048876
R01.3	Titanium	anod.	Y	–	–	1 Piece(s)	2048879
R05.5	Bronze	anod.	Y	–	–	1 Piece(s)	2048877
R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2048878
R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2048875

Accessory set

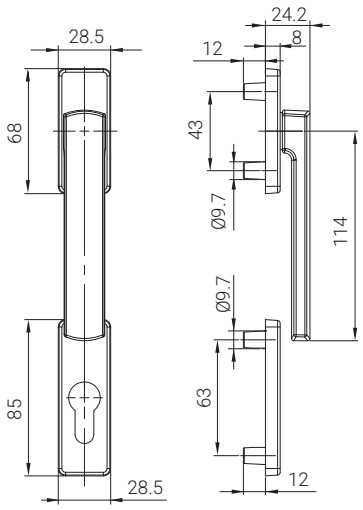
Scope of delivery

- 1 square spindle
- Screws: see table
- Spring

	#		№
130	4	M5x110	2054898
155	4	M5x110	2054899

5.1.9 Half-set on the outside with escutcheon – flat handle





Product description

- Outside: flat handle with profile cylinder escutcheon
- 90° lock-in position

Scope of delivery

- 1 handle
- 1 profile cylinder escutcheon

				#			№
R01.1	Natural silver	Y	anod.	–	–	1 Piece(s)	2048883
R01.3	Titanium	Y	anod.	–	–	1 Piece(s)	2048886
R05.5	Bronze	Y	anod.	–	–	1 Piece(s)	2048884
R06.2M	Jet black, matt	Y	powd-c	–	–	1 Piece(s)	2048885
R07.2	Traffic white	Y	powd-c	–	–	1 Piece(s)	2048882

Accessory set

Scope of delivery

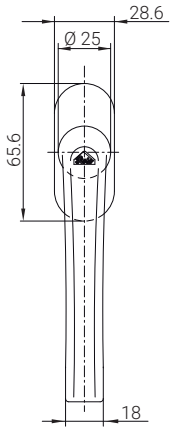
- 1 square spindle
- Screws: see table
- Spring

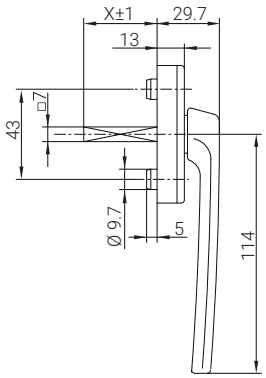
	#		№
130	4	M5x110	2054898
155	4	M5x110	2054899

5.2 Roto Line

5.2.1 Flat handle







Product description

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

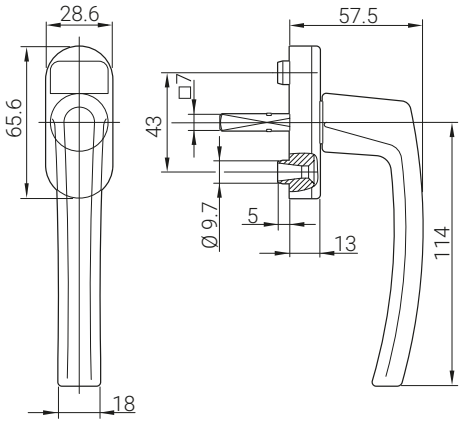
Scope of delivery

- 1 handle

35	R01.1	Natural silver	anod.	Y	–	–	20 Piece(s)	336112
	R01.3	Titanium	anod.	Y	–	–	10 Piece(s)	485766
	R03.1	Brass matt	anod.	Y	–	–	10 Piece(s)	485765
	R04.1	Grey brown	powd-c	Y	–	–	10 Piece(s)	485764
	R04.4	Black brown	powd-c	Y	–	–	10 Piece(s)	490462
	R05.3	Medium bronze	anod.	Y	–	–	20 Piece(s)	336111
	R06.2M	Jet black, matt	powd-c	Y	–	–	10 Piece(s)	794355
	R07.2	Traffic white	powd-c	Y	–	–	20 Piece(s)	336110
55	R01.1	Natural silver	anod.	Y	–	–	10 Piece(s)	490560
	R05.3	Medium bronze	anod.	Y	–	–	10 Piece(s)	490561
	R07.2	Traffic white	powd-c	Y	–	–	10 Piece(s)	490562

5.2.2 Standard





Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- For fixing screws, see table

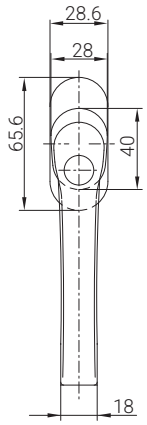
INFO
A flush-encased gearbox is required for use in aluminium profiles .

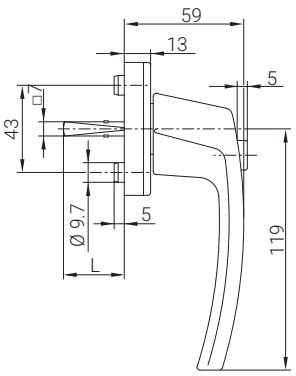
	Roto				Roto	#			№
24	R01.1	Natural silver	–	anod.	Y	–	–	20 Piece(s)	262466
	R01.1	Natural silver	–	anod.	Y	2	M5x35	20 Piece(s)	799867
	R01.3	Titanium	–	anod.	Y	–	–	20 Piece(s)	341748
	R06.2M	Jet black, matt	–	powd-c	Y	2	M5x30	20 Piece(s)	857277
	R06.2M	Jet black, matt	–	powd-c	Y	2	M5x35	20 Piece(s)	2033353
	R07.2	Traffic white	–	powd-c	Y	2	M5x35	20 Piece(s)	2043566
	R07.2	Traffic white	–	powd-c	N	2	M5x35	20 Piece(s)	858980
	SF	Special colour	Escutcheon: Jet black	powd-c	Y	2	M5x35	20 Piece(s)	788812
30	R01.1	Natural silver	–	anod.	Y	–	–	20 Piece(s)	227897
	R01.1	Natural silver	–	anod.	N	–	–	20 Piece(s)	228079
	R01.2	Nickel silver	–	anod.	Y	–	–	20 Piece(s)	227899
	R01.3	Titanium	–	anod.	Y	–	–	20 Piece(s)	227781
	R01.3	Titanium	–	anod.	N	2	M5x40	20 Piece(s)	339532
	R04.1	Grey brown	–	powd-c	N	2	M5x40	20 Piece(s)	482542
	R05.3	Medium bronze	–	anod.	Y	–	–	20 Piece(s)	227903
	R05.5	Bronze	–	anod.	Y	–	–	20 Piece(s)	227905
	R05.5	Bronze	–	anod.	N	–	–	20 Piece(s)	228088
	R07.2	Traffic white	–	powd-c	Y	–	–	20 Piece(s)	2033350
	R07.2	Traffic white	–	powd-c	N	2	M5x40	20 Piece(s)	228176
32	R01.1	Natural silver	–	anod.	N	2	M5x40	20 Piece(s)	618706
	R01.3	Titanium	–	anod.	N	2	M5x40	20 Piece(s)	618708
	R03.2	Brass, polished	–	anod.	N	–	–	20 Piece(s)	245628
	R05.3	Medium bronze	–	anod.	N	2	M5x40	20 Piece(s)	618707
	R07.2	Traffic white	–	powd-c	N	2	M5x40	20 Piece(s)	618709

35	R01.1	Natural silver	–	anod.	Y	–	–	20 Piece(s)	2033336
	R01.1	Natural silver	–	anod.	N	2	M5x45	20 Piece(s)	2033337
	R01.2	Nickel silver	–	anod.	Y	–	–	20 Piece(s)	227909
	R01.2	Nickel silver	–	anod.	N	2	M5x45	20 Piece(s)	263704
	R01.3	Titanium	–	anod.	Y	–	–	20 Piece(s)	227796
	R01.3	Titanium	–	anod.	N	2	M5x45	20 Piece(s)	255369
	R03.1	Brass matt	–	anod.	Y	–	–	20 Piece(s)	227911
	R03.1	Brass matt	–	anod.	N	2	M5x45	20 Piece(s)	482544
	R03.2	Brass, polished	–	anod.	Y	–	–	20 Piece(s)	227801
	R04.1	Grey brown	–	powd-c	Y	–	–	20 Piece(s)	2043563
	R04.1	Grey brown	–	powd-c	N	2	M5x45	20 Piece(s)	256230
	R05.3	Medium bronze	–	anod.	Y	–	–	20 Piece(s)	227913
	R05.3	Medium bronze	–	anod.	N	2	M5x45	20 Piece(s)	348329
	R05.5	Bronze	–	anod.	Y	–	–	20 Piece(s)	227915
	R05.5	Bronze	–	anod.	N	–	–	20 Piece(s)	228098
	R06.2	Jet black	–	powd-c	Y	–	–	20 Piece(s)	2043562
	R07.1	Pure white	–	powd-c	Y	–	–	20 Piece(s)	2043564
	R07.2	Traffic white	–	powd-c	Y	2	M5x45	20 Piece(s)	2033352
	R07.2	Traffic white	–	powd-c	N	2	M5x45	20 Piece(s)	2033351
	R07.3	Cream	–	powd-c	Y	–	–	20 Piece(s)	227810
	R07.3	Cream	–	powd-c	N	–	–	20 Piece(s)	341745
37	R01.1	Natural silver	–	anod.	N	2	M5x45	20 Piece(s)	2008980
	R01.3	Titanium	–	anod.	N	2	M5x45	20 Piece(s)	384344
	R04.1	Grey brown	–	powd-c	N	2	M5x45	20 Piece(s)	858973
	R05.3	Medium bronze	–	anod.	N	2	M5x45	20 Piece(s)	618710
	R07.2	Traffic white	–	powd-c	N	2	M5x45	20 Piece(s)	2033371
40	R01.1	Natural silver	–	anod.	N	2	M5x50	20 Piece(s)	2033349
	R01.3	Titanium	–	anod.	Y	–	–	20 Piece(s)	262935
	R01.3	Titanium	–	anod.	N	2	M5x50	20 Piece(s)	330870
	R04.1	Grey brown	–	powd-c	N	2	M5x50	20 Piece(s)	330867
	R05.3	Medium bronze	–	anod.	N	–	–	20 Piece(s)	364502
	R06.2M	Jet black, matt	–	powd-c	N	–	–	20 Piece(s)	2043572
	R07.2	Traffic white	–	powd-c	N	2	M5x50	20 Piece(s)	2043569
	R07.3	Cream	–	powd-c	N	–	–	20 Piece(s)	349652
43	R01.1	Natural silver	–	anod.	Y	2	M5x50	20 Piece(s)	799870
	R01.1	Natural silver	–	anod.	N	2	M5x50	20 Piece(s)	594323
	R01.1	Natural silver	–	anod.	N	2	M5x55	20 Piece(s)	618711
	R01.2	Nickel silver	–	anod.	Y	–	–	20 Piece(s)	571693
	R01.2	Nickel silver	–	anod.	N	2	M5x50	20 Piece(s)	594324
	R01.3	Titanium	–	anod.	Y	–	–	20 Piece(s)	571694
	R01.3	Titanium	–	anod.	N	2	M5x50	20 Piece(s)	594325
	R01.3	Titanium	–	anod.	N	2	M5x55	20 Piece(s)	618713
	R03.1	Brass matt	–	anod.	Y	–	–	20 Piece(s)	572415
	R03.1	Brass matt	–	anod.	N	2	M5x50	20 Piece(s)	594326
	R03.2	Brass, polished	–	anod.	Y	–	–	20 Piece(s)	572420
	R04.1	Grey brown	–	powd-c	Y	–	–	20 Piece(s)	572416
	R04.1	Grey brown	–	powd-c	N	2	M5x50	20 Piece(s)	594327
	R05.3	Medium bronze	–	anod.	Y	–	–	20 Piece(s)	572417
	R05.3	Medium bronze	–	anod.	N	2	M5x50	20 Piece(s)	594328
	R05.3	Medium bronze	–	anod.	N	2	M5x55	20 Piece(s)	618712
	R05.5	Bronze	–	anod.	Y	–	–	20 Piece(s)	572418
	R05.5	Bronze	–	anod.	N	2	M5x50	20 Piece(s)	594329
	R07.2	Traffic white	–	powd-c	Y	–	–	20 Piece(s)	2043567
	R07.2	Traffic white	–	powd-c	N	2	M5x50	20 Piece(s)	594330
	R07.2	Traffic white	–	powd-c	N	2	M5x55	20 Piece(s)	2043568
45	R01.1	Natural silver	–	anod.	N	–	–	20 Piece(s)	347442
	R07.2	Traffic white	–	powd-c	N	2	M5x55	20 Piece(s)	256232

5.2.3 Push-to-open











Product description

- Handle with push-to-open mechanism
- The push-to-open function makes locking and unlocking possible
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

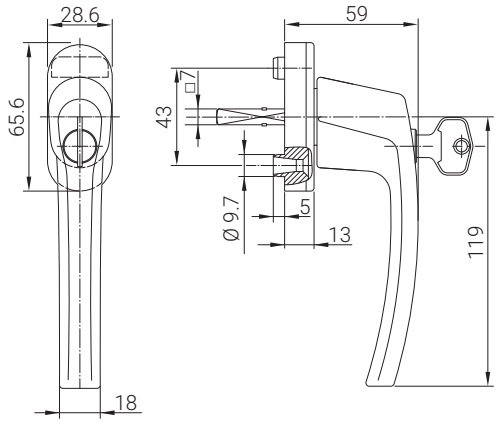
- 1 handle
- For fixing screws, see table

INFO
A flush-encased gearbox is required for use in aluminium profiles .

	Roto			Roto	#			№
30	R01.1	Natural silver	anod.	N	–	–	15 Piece(s)	228135
	R07.2	Traffic white	powd-c	N	–	–	15 Piece(s)	228049
32	R01.1	Natural silver	anod.	N	2	M5x40	15 Piece(s)	618740
	R01.3	Titanium	anod.	N	2	M5x40	15 Piece(s)	618742
	R07.2	Traffic white	powd-c	N	2	M5x40	15 Piece(s)	618807
35	R01.1	Natural silver	anod.	N	–	–	15 Piece(s)	228140
	R01.3	Titanium	anod.	N	–	–	15 Piece(s)	228050
	R03.1	Brass matt	anod.	N	–	–	15 Piece(s)	228142
	R04.1	Grey brown	powd-c	N	–	–	15 Piece(s)	228052
	R05.3	Medium bronze	anod.	N	–	–	15 Piece(s)	228143
	R05.5	Bronze	anod.	N	–	–	15 Piece(s)	228144
	R07.2	Traffic white	powd-c	N	–	–	15 Piece(s)	228054
37	R01.1	Natural silver	anod.	N	2	M5x45	15 Piece(s)	384435
	R01.3	Titanium	anod.	N	2	M5x45	15 Piece(s)	385079
	R04.1	Grey brown	powd-c	N	2	M5x45	20 Piece(s)	858977
	R05.3	Medium bronze	anod.	N	2	M5x45	15 Piece(s)	618743
	R06.2M	Jet black, matt	powd-c	Y	2	M5x45	15 Piece(s)	2004426
	R07.2	Traffic white	powd-c	N	2	M5x45	15 Piece(s)	384437
	R07.3	Cream	powd-c	N	2	M5x45	20 Piece(s)	858976
43	R01.1	Natural silver	anod.	N	2	M5x50	15 Piece(s)	598416
			anod.	N	2	M5x55	15 Piece(s)	618744
	R01.3	Titanium	anod.	N	2	M5x55	15 Piece(s)	618766
	R05.5	Bronze	anod.	N	2	M5x50	15 Piece(s)	598421
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	15 Piece(s)	2004434
	R07.2	Traffic white	powd-c	N	2	M5x50	15 Piece(s)	598422
			powd-c	N	2	M5x55	15 Piece(s)	618767

5.2.4 Lockable 40 Nm





Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- 1 key
- For fixing screws, see table

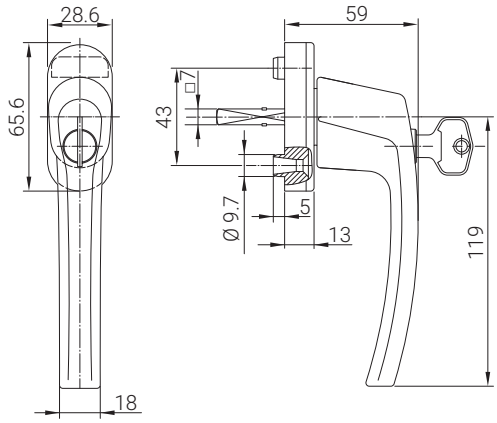
INFO
A flush-encased gearbox is required for use in aluminium profiles .

24	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	610560
	R01.5	Silver	anod.	N	2	M5x30	15 Piece(s)	640325
	R06.2	Jet black	powd-c	Y	2	M5x40	15 Piece(s)	840755
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	765011
30	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	227962
	R01.1	Natural silver	anod.	N	–	–	15 Piece(s)	228125
	R01.3	Titanium	anod.	Y	–	–	15 Piece(s)	227863
	R01.3	Titanium	anod.	N	–	–	15 Piece(s)	228035
	R03.1	Brass matt	anod.	Y	–	–	20 Piece(s)	227964
	R05.3	Medium bronze	anod.	Y	–	–	15 Piece(s)	227965
	R05.5	Bronze	anod.	Y	–	–	15 Piece(s)	227966
	R06.2M	Jet black, matt	powd-c	N	–	M5x50	15 Piece(s)	794358
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	227868
	R07.2	Traffic white	powd-c	N	–	–	15 Piece(s)	228039
32	R01.1	Natural silver	anod.	N	2	M5x40	15 Piece(s)	618768
	R01.3	Titanium	anod.	N	2	M5x40	15 Piece(s)	618770
	R05.3	Medium bronze	anod.	N	2	M5x40	15 Piece(s)	618769
	R07.2	Traffic white	powd-c	N	2	M5x40	15 Piece(s)	618771

35	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	227967
	R01.1	Natural silver	anod.	N	2	M5x45	15 Piece(s)	280399
	R01.2	Nickel silver	anod.	N	–	–	15 Piece(s)	228131
	R01.3	Titanium	anod.	Y	–	–	15 Piece(s)	227871
	R01.3	Titanium	anod.	N	–	–	15 Piece(s)	228040
	R03.1	Brass matt	anod.	N	–	–	15 Piece(s)	228132
	R04.1	Grey brown	powd-c	Y	–	–	15 Piece(s)	227874
	R04.1	Grey brown	powd-c	N	–	–	15 Piece(s)	228042
	R05.3	Medium bronze	anod.	Y	–	–	15 Piece(s)	227970
	R05.5	Bronze	anod.	N	–	–	15 Piece(s)	228134
	R05.5	Bronze	anod.	Y	–	–	15 Piece(s)	227971
	R07.1	Pure white	powd-c	N	–	–	15 Piece(s)	228043
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	227876
	R07.2	Traffic white	powd-c	N	2	M5x45	15 Piece(s)	246638
	R07.3	Cream	powd-c	N	–	–	15 Piece(s)	377606
37	R01.1	Natural silver	anod.	N	2	M5x45	15 Piece(s)	384395
	R01.3	Titanium	anod.	N	2	M5x45	15 Piece(s)	384438
	R05.3	Medium bronze	anod.	N	2	M5x45	15 Piece(s)	618772
	R07.2	Traffic white	powd-c	N	2	M5x45	15 Piece(s)	384397
40	R01.1	Natural silver	anod.	N	2	M5x50	15 Piece(s)	352026
	R01.3	Titanium	anod.	N	2	M5x55	15 Piece(s)	566529
	R04.1	Grey brown	powd-c	N	–	–	15 Piece(s)	377609
	R07.2	Traffic white	powd-c	N	2	M5x50	15 Piece(s)	331006
	R07.2	Traffic white	powd-c	N	2	M5x55	15 Piece(s)	566528
	R07.3	Cream	powd-c	N	–	–	15 Piece(s)	377610
43	R01.1	Natural silver	anod.	N	2	M5x50	15 Piece(s)	594339
	R01.1	Natural silver	anod.	N	2	M5x55	15 Piece(s)	618774
	R01.3	Titanium	anod.	N	2	M5x50	15 Piece(s)	594341
	R01.3	Titanium	anod.	N	2	M5x55	15 Piece(s)	618786
	R05.5	Bronze	anod.	N	2	M5x50	15 Piece(s)	594345
	R07.2	Traffic white	powd-c	N	2	M5x50	15 Piece(s)	594346
	R07.2	Traffic white	powd-c	N	2	M5x55	15 Piece(s)	618787

5.2.5 Lockable 100 Nm





Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- 1 key
- For fixing screws, see table

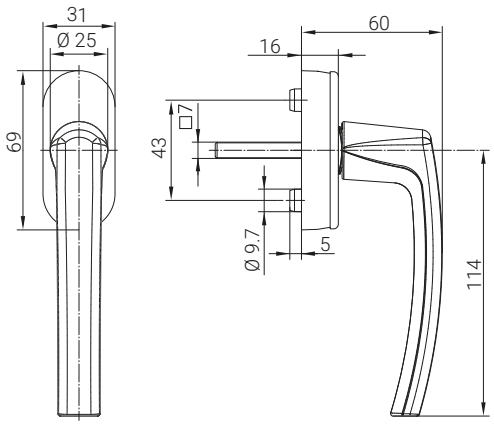
INFO
Further information on lockable handles → *from page 20*.

INFO
A flush-encased gearbox is required for use in aluminium profiles .

	Roto			Roto	#			№
24	R01.1	Natural silver	anod.	Y	2	M5x30	20 Piece(s)	819857
	R01.1	Natural silver	anod.	N	2	M5x35	20 Piece(s)	858985
	R01.3	Titanium	anod.	N	2	M5x35	20 Piece(s)	858986
	R07.2	Traffic white	powd-c	Y	2	M5x30	20 Piece(s)	819856
	R07.2	Traffic white	powd-c	N	2	M5x35	20 Piece(s)	858984

5.2.6 Secustik





Product description

- Protection against being tampered with from the outside
- Clicking sound confirms active security
- Blocking mechanism as integrated basic security
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- For fixing screws, see table

INFO
Further information on Secustik → *from page 22*.

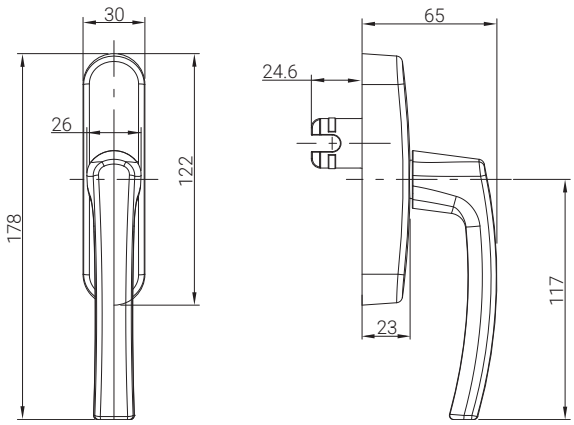
INFO
A flush-encased gearbox is required for use in aluminium profiles .

24	R01.1	Natural silver	anod.	Y	2	M5x35	20 Piece(s)	799579
	R01.3	Titanium	anod.	Y	2	M5x35	20 Piece(s)	738921
	R06.2M	Jet black, matt	powd-c	Y	2	M5x35	20 Piece(s)	794357
	R07.2	Traffic white	powd-c	Y	2	M5x40	20 Piece(s)	799790
32	R01.1	Natural silver	anod.	N	2	M5x40	20 Piece(s)	618714
	R01.3	Titanium	anod.	N	2	M5x40	20 Piece(s)	618736
	R04.1	Grey brown	powd-c	N	–	–	20 Piece(s)	351759
	R05.3	Medium bronze	anod.	N	2	M5x40	20 Piece(s)	618735
	R05.5	Bronze	anod.	N	2	M5x40	20 Piece(s)	623781
	R06.2M	Jet black, matt	powd-c	N	–	–	20 Piece(s)	794349
	R07.2	Traffic white	powd-c	N	2	M5x40	20 Piece(s)	618737
35	R01.1	Natural silver	anod.	N	–	–	20 Piece(s)	775044
	R05.4	Dark bronze	anod.	Y	–	–	20 Piece(s)	627465
	R05.5	Bronze	anod.	N	–	–	20 Piece(s)	775135
	R07.2	Traffic white	powd-c	Y	–	–	20 Piece(s)	627468
			powd-c	N	–	–	20 Piece(s)	775043

					#			№
37	R01.1	Natural silver	anod.	Y	2	M5x50	20 Piece(s)	799795
			anod.	N	2	M5x45	20 Piece(s)	384419
			anod.	N	2	M5x50	20 Piece(s)	570401
	R01.3	Titanium	anod.	N	2	M5x45	20 Piece(s)	384439
			anod.	N	2	M5x50	20 Piece(s)	487658
	R03.1	Brass matt	anod.	N	2	M5x50	20 Piece(s)	629478
	R04.1	Grey brown	powd-c	N	2	M5x50	20 Piece(s)	570402
	R05.3	Medium bronze	anod.	N	2	M5x50	20 Piece(s)	618738
	R05.5	Bronze	anod.	N	–	–	20 Piece(s)	351742
	R06.2M	Jet black, matt	powd-c	N	2	M5x50	20 Piece(s)	643331
	R07.2	Traffic white	powd-c	N	2	M5x45	20 Piece(s)	384421
			powd-c	Y	2	M5x50	20 Piece(s)	799797
			powd-c	N	2	M5x50	20 Piece(s)	487657
40	R01.1	Natural silver	anod.	Y	–	–	20 Piece(s)	627460
			anod.	N	–	–	20 Piece(s)	363584
	R01.2	Nickel silver	anod.	Y	–	–	20 Piece(s)	627456
	R01.3	Titanium	anod.	Y	–	–	20 Piece(s)	627458
	R03.1	Brass matt	anod.	Y	–	–	20 Piece(s)	627455
			anod.	N	–	–	20 Piece(s)	640188
	R04.1	Grey brown	powd-c	N	–	–	20 Piece(s)	363617
	R05.4	Dark bronze	anod.	Y	–	–	20 Piece(s)	627457
	R05.5	Bronze	anod.	Y	–	–	20 Piece(s)	627454
			anod.	N	–	–	20 Piece(s)	363619
	R07.1	Pure white	powd-c	N	–	–	20 Piece(s)	640189
	R07.2	Traffic white	powd-c	Y	–	–	20 Piece(s)	498770
			powd-c	N	2	M5x55	20 Piece(s)	566530
	R07.3	Cream	powd-c	Y	–	–	20 Piece(s)	498771
			powd-c	N	–	–	20 Piece(s)	640263
43	R01.1	Natural silver	anod.	N	2	M5x55	20 Piece(s)	594331
	R01.3	Titanium	anod.	N	2	M5x55	20 Piece(s)	594333
	R04.1	Grey brown	powd-c	N	2	M5x55	20 Piece(s)	594335
	R05.3	Medium bronze	anod.	N	2	M5x55	20 Piece(s)	594336
	R05.5	Bronze	anod.	N	2	M5x55	20 Piece(s)	594337
	R07.2	Traffic white	powd-c	Y	2	M5x55	20 Piece(s)	799801
			powd-c	N	2	M5x55	20 Piece(s)	594338

5.2.7 Geared-handle







Product description

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

Scope of delivery

- 1 geared-handle with handle

26	R01.1	Natural silver	anod.	Y	–	–	10 Piece(s)	238671
	R01.5	Silver	powd-c	Y	–	–	10 Piece(s)	377474
			powd-c	N	–	–	10 Piece(s)	384503
	R01.5M	Matt silver	powd-c	Y	–	–	10 Piece(s)	2036789
			powd-c	N	–	–	10 Piece(s)	2036790
	R05.4	Dark bronze	powd-c	Y	–	–	10 Piece(s)	377478
			powd-c	N	–	–	10 Piece(s)	384504
	R06.2	Jet black	powd-c	Y	–	–	10 Piece(s)	385190
	R06.2M	Jet black, matt	powd-c	Y	–	–	10 Piece(s)	377475
			powd-c	N	–	–	10 Piece(s)	384505
	R07.1	Pure white	powd-c	Y	–	–	10 Piece(s)	377476
			powd-c	N	–	–	10 Piece(s)	384506
	R07.2	Traffic white	powd-c	Y	–	–	10 Piece(s)	377477
			powd-c	N	–	–	10 Piece(s)	384507
	R03.3	Gold	met p	N	–	–	10 Piece(s)	457093
	R03.4	Stainless-steel design	met p	Y	–	–	10 Piece(s)	335880
	SF	Special colour	wet p powd-c	Y	–	–	10 Piece(s)	377479
			wet p powd-c	N	–	–	10 Piece(s)	384508
	R00.0	Uncoated	–	N	–	–	10 Piece(s)	632981
32	R01.5M	Matt silver	powd-c	Y	–	–	10 Piece(s)	2036746
	R06.2M	Jet black, matt	powd-c	Y	–	–	10 Piece(s)	384084
	R07.1	Pure white	powd-c	Y	–	–	10 Piece(s)	384095
	R07.2	Traffic white	anod.	Y	–	–	10 Piece(s)	384096

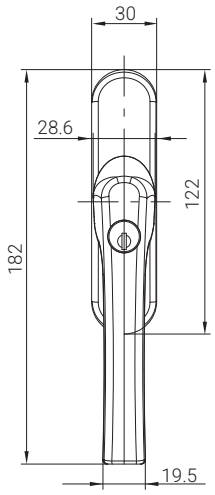
Fork for geared-handle , other fork lengths are available upon request.

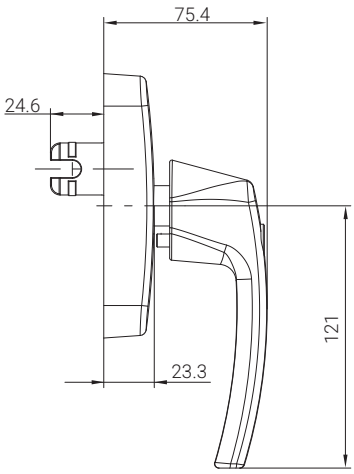
Accessories for geared-handles .

INFO
The uncoated handle is not supplied assembled.

5.2.8 Geared-handle – lockable 100 Nm







Product description

- Lockable handle with tested torque of 100 Nm
- Closure: cylinder with reversible key
- 90° lock-in position

Scope of delivery

- 1 handle with geared-handle
- 2 keys

INFO
Further information on lockable handles → *from page 20*.

26	R01.5	Silver	powd-c	Y	–	–	10 Piece(s)	378843
	R01.5M	Matt silver	powd-c	Y	–	–	10 Piece(s)	2036937
			powd-c	N	–	–	10 Piece(s)	2036938
	R03.4	Stainless-steel design	Nickel-plated	Y	–	–	10 Piece(s)	335881
	R05.4	Dark bronze	powd-c	Y	–	–	10 Piece(s)	378917
	R06.2M	Jet black, matt	powd-c	Y	–	–	10 Piece(s)	378844
	R06.2	Jet black	powd-c	Y	–	–	10 Piece(s)	385193
	R07.1	Pure white	powd-c	Y	–	–	10 Piece(s)	378915
			powd-c	N	–	–	10 Piece(s)	384521
	R07.2	Traffic white	powd-c	Y	–	–	10 Piece(s)	378916
	SF	Special colour	wet p powd-c	Y	–	–	10 Piece(s)	378918
			wet p powd-c	N	–	–	10 Piece(s)	384523
	R00.0	Uncoated	–	N	–	–	10 Piece(s)	238700
32	R01.5	Silver	anod.	Y	–	–	10 Piece(s)	384099

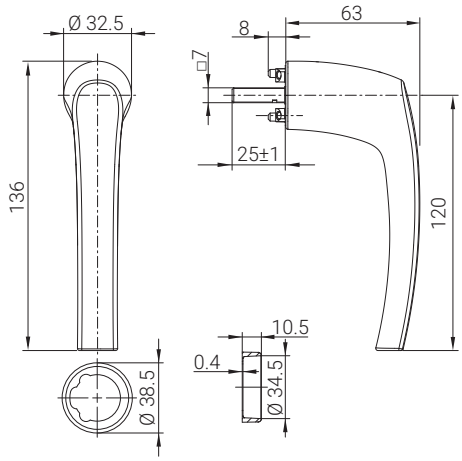
Fork for geared-handle , other fork lengths are available upon request.

Accessories for geared-handles .

INFO
The uncoated handle is not supplied assembled.

5.2.9 Without escutcheon





Product description

- Basic handle without additional functions
- Can be optionally combined with colour-coordinated ring escutcheon
- Concealed screw fixing
- 90° lock-in position

Scope of delivery

- 1 handle
- 2 fixing screws
- 1 transport safety device

25	R01.5	Silver	powd-c	N	2	M4x12.5	10 Piece(s)	377908
	R01.5M	Matt silver	powd-c	N	2	M4x12.5	10 Piece(s)	2037024
	R03.4	Stainless-steel design	met p	N	2	M4x12.5	10 Piece(s)	619288
	R05.4	Dark bronze	anod.	N	2	M4x12.5	10 Piece(s)	377912
	R06.2M	Jet black, matt	powd-c	N	2	M4x12.5	10 Piece(s)	377909
	R07.1	Pure white	powd-c	N	2	M4x12.5	10 Piece(s)	377910
	R07.2	Traffic white	powd-c	N	2	M4x12.5	10 Piece(s)	377911
	SF	Special colour	wet p powd-c	N	2	M4x12.5	10 Piece(s)	377913

Accessories for handle without escutcheon .

5.2.10 Without escutcheon – set





Product description

- Basic handle without additional functions
- Concealed screw fixing
- 90° lock-in position
- Aluminium ring escutcheon
- Mounting plate for attaching handles without escutcheons to aluminium profiles

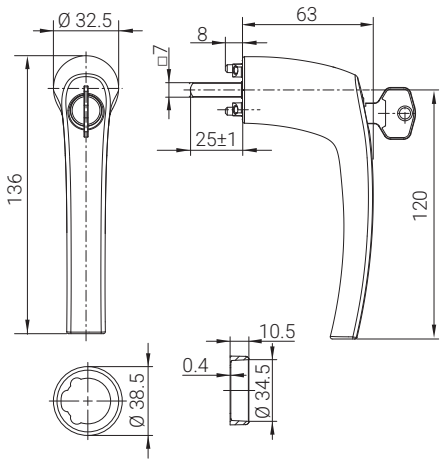
Scope of delivery

- 1 handle
  2 fixing screws
- 1 transport safety device
- 1 ring
- 1 mounting plate

25	R01.5	Silver	anod.	N	10 Piece(s)	857302
	R01.5M	Matt silver	powd-c	N	10 Piece(s)	2037035
	R05.4	Dark bronze	anod.	N	10 Piece(s)	857303
	R06.2M	Jet black, matt	powd-c	N	10 Piece(s)	857304
	R07.2	Traffic white	powd-c	N	10 Piece(s)	857315

5.2.11 Without escutcheon – lockable 40 Nm





Product description

- Lockable handle with tested torque of 40 Nm
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position

Scope of delivery

- 1 handle
- 1 key
- 2 fixing screws
- 1 transport safety device

25	R01.5	Silver	powd-c	N	2	M4x12.5	10 Piece(s)	377914
	R01.5M	Matt silver	powd-c	N	2	M4x12.5	10 Piece(s)	2037026
	R03.4	Stainless-steel design	anod.	N	2	M4x12.5	10 Piece(s)	619289
	R05.4	Dark bronze	anod.	N	2	M4x12.5	10 Piece(s)	377918
	R06.2	Jet black	powd-c	N	2	M4x12.5	10 Piece(s)	377915
	R07.2	Traffic white	powd-c	N	2	M4x12.5	10 Piece(s)	377917
	SF	Special colour	wet p powd-c	N	2	M4x12.5	10 Piece(s)	377919

Accessories for handle without escutcheon .

5.2.12 Without escutcheon – set – lockable 40 Nm





Product description

- Lockable handle with tested torque of 40 Nm
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position
- Aluminium ring escutcheon
- Mounting plate for attaching handles without escutcheons to aluminium profiles

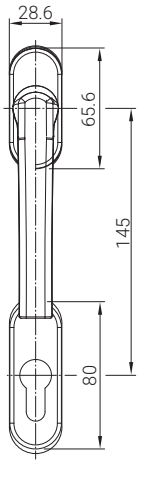
Scope of delivery

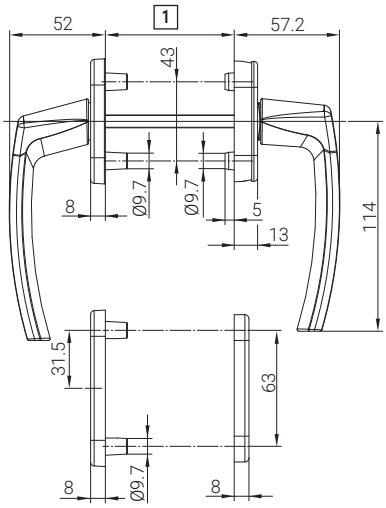
- 1 handle
  2 fixing screws
- 1 key
- 1 transport safety device
- 1 ring
- 1 mounting plate

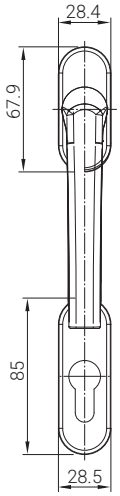
25	R01.5	Silver	N	anod.	10 Piece(s)	857317
	R01.5M	Matt silver	N	powd-c	10 Piece(s)	2037036
	R05.4	Dark bronze	N	anod.	10 Piece(s)	857320
	R06.2M	Jet black, matt	N	powd-c	10 Piece(s)	857318
	R07.2	Traffic white	N	powd-c	10 Piece(s)	857319

5.2.13 Handle set with escutcheons













Product description

- Handle set with escutcheon version
- Outside: handle securely pinned
- Inside and outside: standard handle with profile cylinder escutcheon
- Concealed screw fixing
- 90° lock-in position

Scope of delivery

- 2 handles
- 2 profile cylinder escutcheons
- 4 fixing screws, can be shortened

INFO
Profile cylinder is not included in the scope of delivery.

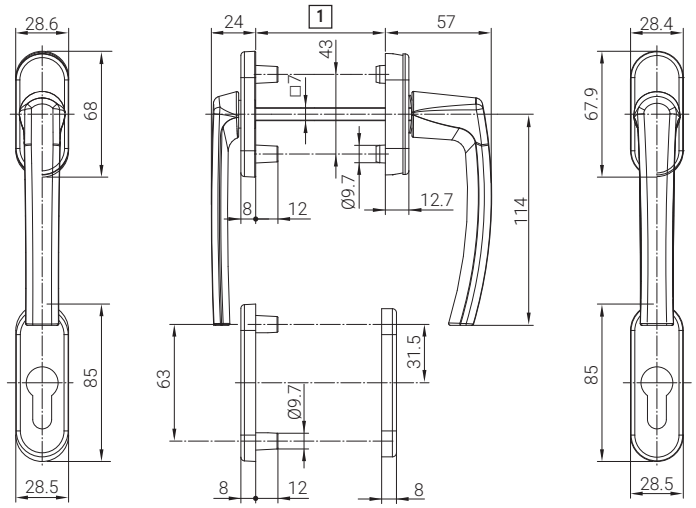
INFO
A flush-encased gearbox is required for use in aluminium profiles .

100	R01.1	Natural silver	anod.	Y	4	M5x100	1 Piece(s)	228292
			anod.	N	4	M5x100	1 Piece(s)	228380
	R01.2	Nickel silver	anod.	Y	4	M5x100	1 Piece(s)	228293
			anod.	N	4	M5x100	1 Piece(s)	228381
	R01.3	Titanium	anod.	Y	4	M5x100	1 Piece(s)	228233
			anod.	N	4	M5x100	1 Piece(s)	228333
	R03.1	Brass matt	anod.	Y	4	M5x100	1 Piece(s)	228294
			anod.	N	4	M5x100	1 Piece(s)	228382
	R04.1	Grey brown	powd-c	Y	4	M5x100	1 Piece(s)	228235
			powd-c	N	4	M5x100	1 Piece(s)	228335
	R05.3	Medium bronze	anod.	Y	4	M5x100	1 Piece(s)	228295
			anod.	N	4	M5x100	1 Piece(s)	228383
	R05.5	Bronze	anod.	Y	4	M5x100	1 Piece(s)	228296
			anod.	N	4	M5x100	1 Piece(s)	228384
	R06.2M	Jet black, matt	powd-c	N	4	M5x100	1 Piece(s)	794348
	R07.1	Pure white	powd-c	Y	4	M5x100	1 Piece(s)	228236
			powd-c	N	4	M5x100	1 Piece(s)	228336
	R07.2	Traffic white	powd-c	Y	4	M5x100	1 Piece(s)	228237
			powd-c	N	4	M5x100	1 Piece(s)	228337

127	R01.1	Natural silver	anod.	N	4	M5x110	1 Piece(s)	601694
	R01.2	Nickel silver	anod.	N	4	M5x110	1 Piece(s)	2048180
	R01.3	Titanium	anod.	N	4	M5x110	1 Piece(s)	601706
	R02.2	Anthracite grey	powd-c	N	4	M5x110	1 Piece(s)	2049238
	R04.1	Grey brown	powd-c	N	4	M5x110	1 Piece(s)	2048177
	R06.2M	Jet black, matt	powd-c	N	4	M5x110	1 Piece(s)	2048178
	R07.2	Traffic white	powd-c	N	4	M5x110	1 Piece(s)	601711

5.2.14 Handle set with escutcheons – flat handle on the outside





[1] Door leaf thickness depending on spindle length:

Spindle length 100 mm = 48 to 83 mm

Spindle length 127 mm = 52 to 110 mm

Product description

- Handle set with escutcheon version
- Outside: handle securely pinned
- Outside: flat handle with profile cylinder escutcheon
- Inside: standard handle with profile cylinder escutcheon
- Concealed screw fixing
- 90° lock-in position

Scope of delivery

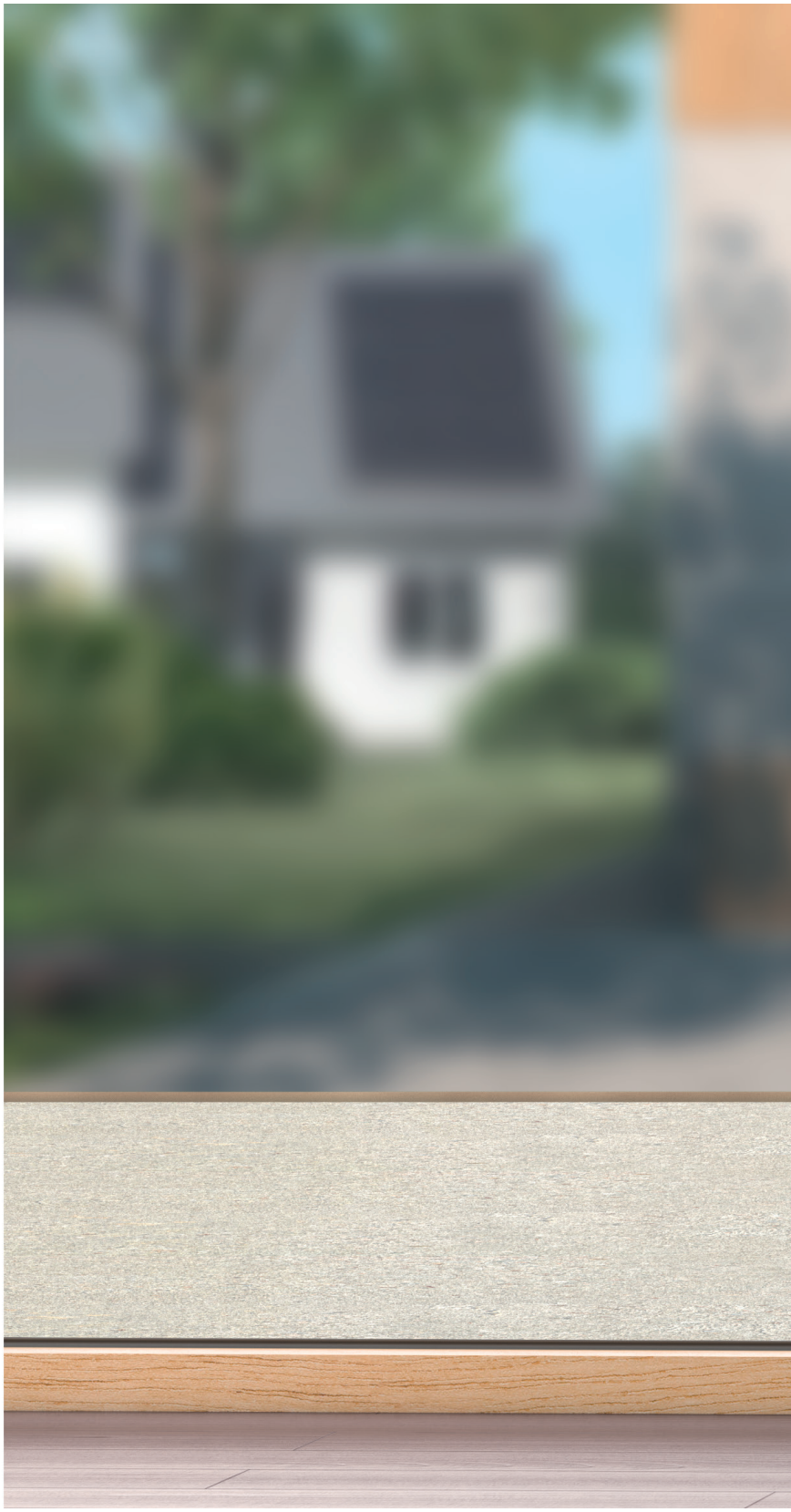
- 2 handles (flat handle, standard handle)
- 2 profile cylinder escutcheons
- 4 fixing screws, can be shortened

INFO

Profile cylinder is not included in the scope of delivery.

100	R01.1	Natural silver	anod.	Y	4	M5x100	1 Piece(s)	228302
			anod.	N	4	M5x100	1 Piece(s)	228390
	R01.3	Titanium	anod.	Y	4	M5x100	1 Piece(s)	228245
			anod.	N	4	M5x100	1 Piece(s)	228345
	R04.1	Grey brown	powd-c	N	4	M5x100	1 Piece(s)	228347
	R05.3	Medium bronze	anod.	Y	4	M5x100	1 Piece(s)	228305
			anod.	N	4	M5x100	1 Piece(s)	228393
	R05.5	Bronze	anod.	Y	4	M5x100	1 Piece(s)	228306
			anod.	N	4	M5x100	1 Piece(s)	228394
	R07.2	Traffic white	powd-c	Y	4	M5x100	1 Piece(s)	228249
			powd-c	N	4	M5x100	1 Piece(s)	228349
127	R01.1	Natural silver	anod.	N	4	M5x110	1 Piece(s)	601712
	R01.2	Nickel silver	anod.	N	4	M5x110	1 Piece(s)	2048179
	R01.3	Titanium	anod.	N	4	M5x110	1 Piece(s)	601714
	R02.2	Anthracite grey	powd-c	N	4	M5x110	1 Piece(s)	2049237
	R04.1	Grey brown	powd-c	N	4	M5x110	1 Piece(s)	2048176
	R06.2M	Jet black, matt	powd-c	N	4	M5x110	1 Piece(s)	794354
	R07.2	Traffic white	powd-c	N	4	M5x110	1 Piece(s)	601729

Roto Patio Life





Roto Line

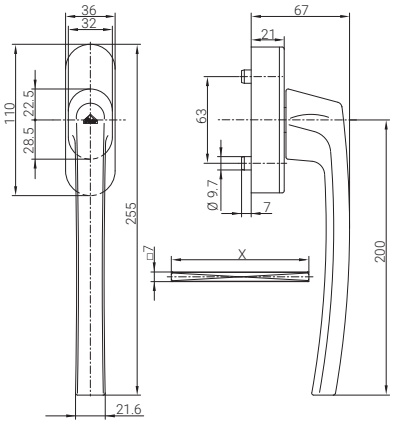
Standard – 200 mm	172
Lockable 40 Nm – 200 mm	173
Half-set on the outside – escutcheon with handle – 200 mm	174
Recessed grip – oval	175

6 Roto Patio Life

6.1 Roto Line

6.1.1 Standard – 200 mm





Product description

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

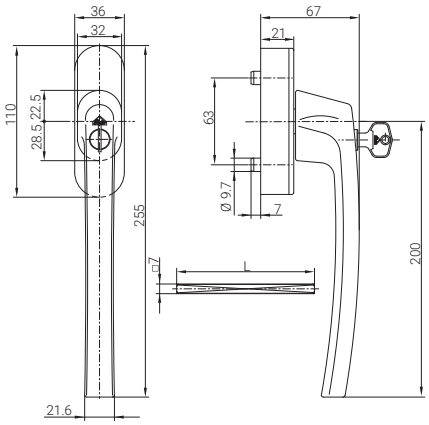
Scope of delivery

- 1 handle
- 1 square spindle
- 2 fixing screws

100	R01.1	Natural silver	anod.	Y	2	M5x100	1 Piece(s)	494447
	R01.3	Titanium	anod.	Y	2	M5x100	1 Piece(s)	640344
	R05.3	Medium bronze	anod.	Y	2	M5x100	1 Piece(s)	494448
	R07.2	Traffic white	powd-c	Y	2	M5x100	1 Piece(s)	494449
150	R01.1	Natural silver	anod.	Y	2	M5x110	1 Piece(s)	603596
	R05.3	Medium bronze	anod.	Y	2	M5x110	1 Piece(s)	603597
	R05.5	Bronze	anod.	Y	2	M5x110	1 Piece(s)	614576
	R07.2	Traffic white	powd-c	Y	2	M5x110	1 Piece(s)	603598

6.1.2 Lockable 40 Nm – 200 mm





Product description

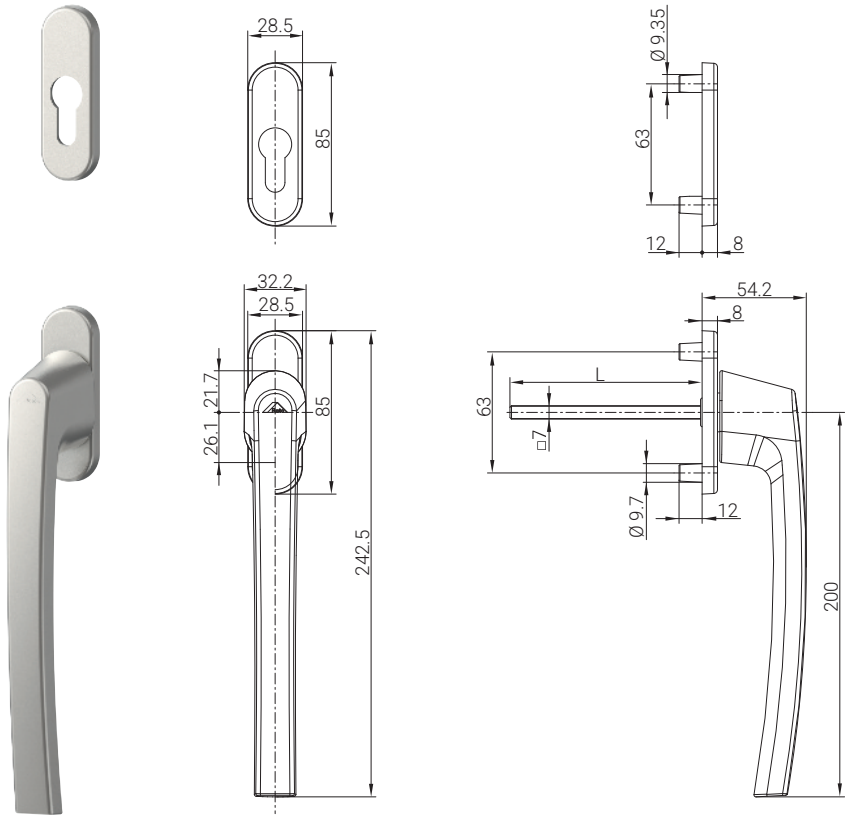
- Lockable handle with tested torque of 40 Nm (basic security)
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position

Scope of delivery

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

100	R01.1	Natural silver	anod.	Y	2	M5x100	1 Piece(s)	494450
	R01.3	Titanium	anod.	Y	2	M5x100	1 Piece(s)	614247
	R05.3	Medium bronze	anod.	Y	2	M5x100	1 Piece(s)	494451
	R07.2	Traffic white	powd-c	Y	2	M5x100	1 Piece(s)	494452
150	R01.1	Natural silver	anod.	Y	2	M5x110	1 Piece(s)	603599
	R05.3	Medium bronze	anod.	Y	2	M5x110	1 Piece(s)	603600
	R05.5	Bronze	anod.	Y	2	M5x110	1 Piece(s)	614577
	R07.2	Traffic white	powd-c	Y	2	M5x110	1 Piece(s)	603601

6.1.3 Half-set on the outside – escutcheon with handle – 200 mm



Product description

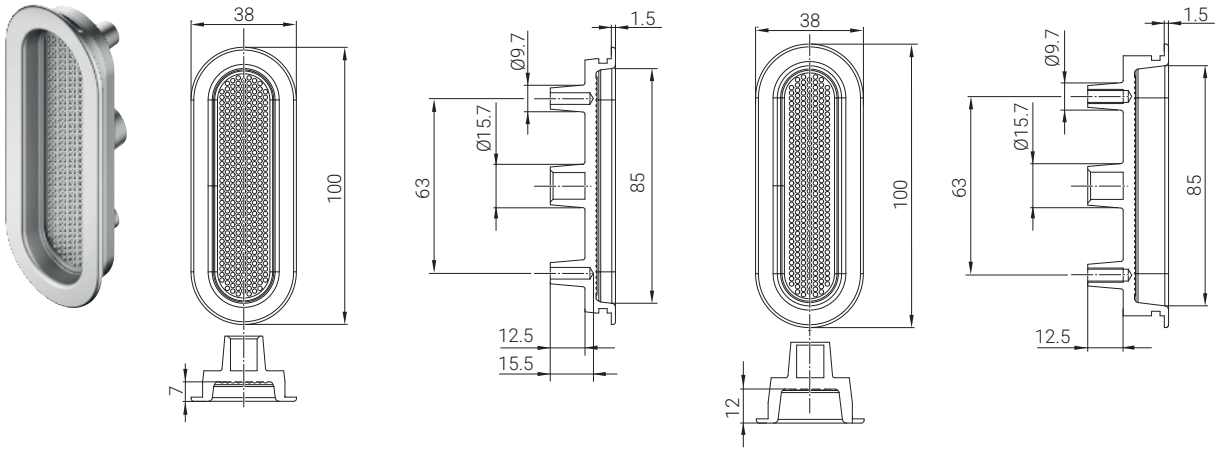
- Basic handle without additional functions
- Screws, can be shortened

Scope of delivery

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

	Roto			Roto	#			№
100	R01.1	Natural silver	anod.	Y	2	M5x100	10 Piece(s)	494453
	R01.3	Titanium	anod.	Y	2	M5x100	10 Piece(s)	734005
	R05.3	Medium bronze	anod.	Y	2	M5x100	10 Piece(s)	494454
	R07.2	Traffic white	powd-c	Y	2	M5x100	10 Piece(s)	494465
150	R01.1	Natural silver	anod.	Y	2	M5x110	10 Piece(s)	603602

6.1.4 Recessed grip – oval



Product description

- Can be routed in

Scope of delivery

- 1 recessed grip

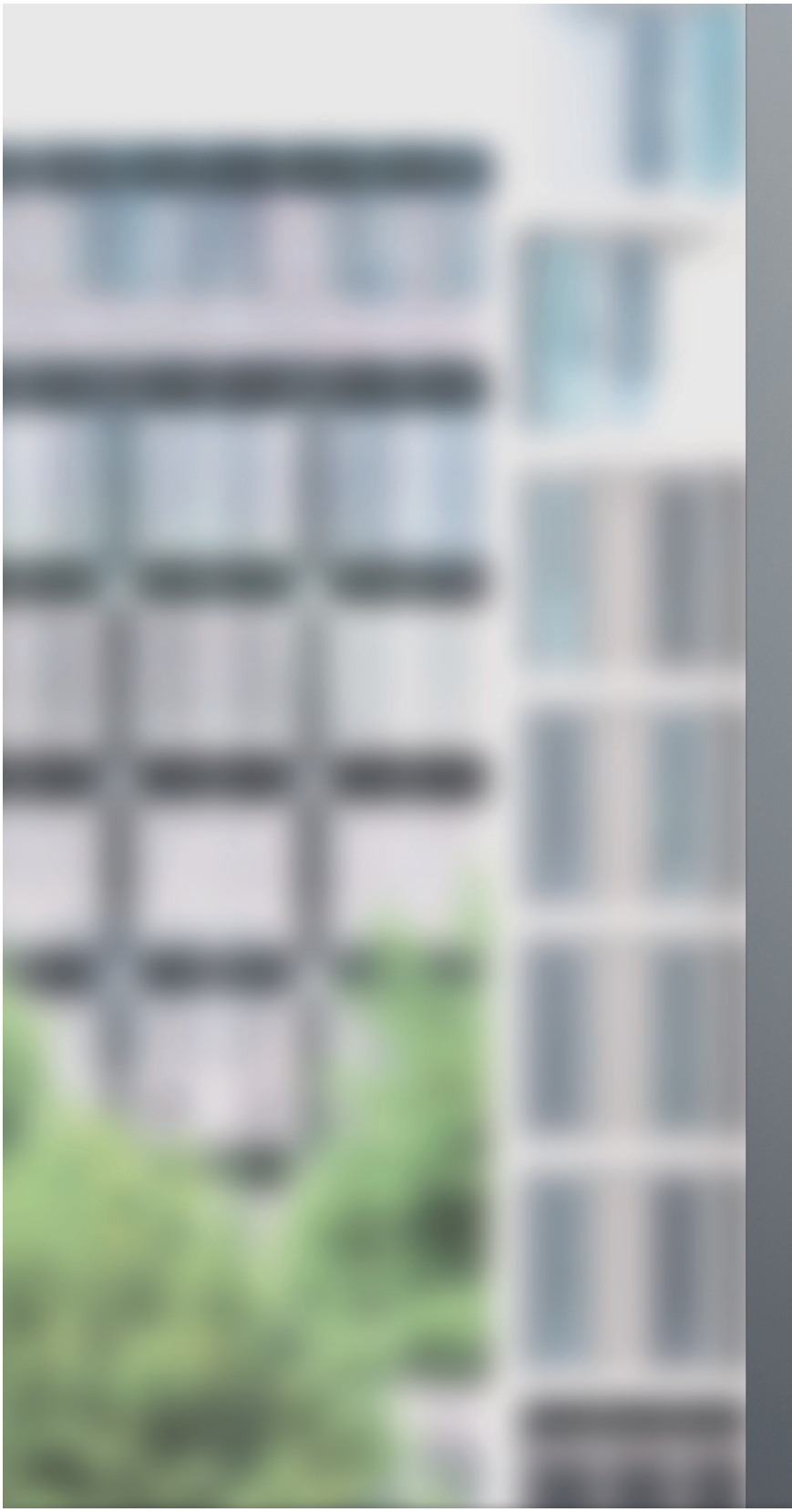
with domed section, flat

63	R01.1	Natural silver	anod.	N	–	–	10 Piece(s)	494469
	R01.3	Titanium	anod.	N	–	–	10 Piece(s)	623261
	R05.3	Medium bronze	anod.	N	–	–	10 Piece(s)	494470
	R05.5	Bronze	anod.	N	–	–	10 Piece(s)	614626
	R07.2	Traffic white	powd-c	N	–	–	10 Piece(s)	494471

with domed section, deep

63	R01.1	Natural silver	anod.	N	–	–	10 Piece(s)	623550
	R05.3	Medium bronze	anod.	N	–	–	10 Piece(s)	623551
	R07.2	Traffic white	powd-c	N	–	–	10 Piece(s)	623552
	R00.0	Uncoated	–	N	–	–	10 Piece(s)	627912

Roto Patio Lift





Roto Square

Standard – 200 mm	180
Push-to-open – 200 mm	181
Lift&Slide door handles – interior handle; 240 mm	182
Lift&Slide door handles – exterior handle; 240 mm	183
Lift&Slide door handles – recessed grip on the outside; rectangular 7 mm	184
Accessory set for half-set	185

Roto Line

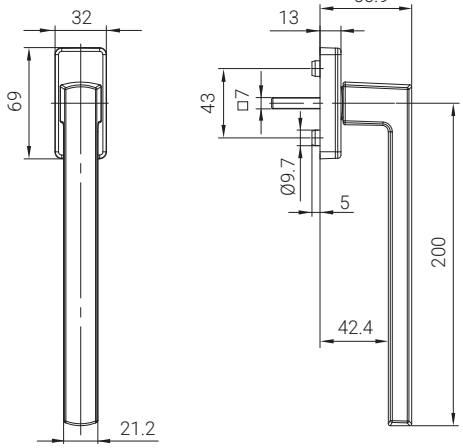
Standard – 200 mm	186
Push-to-open – 200 mm	187
Handle set with escutcheons – 200 mm	188
Recessed grip – oval	189
Half-set on the inside – without square spindle – 240 mm	190
Recessed grip – oval 7 mm	191
Recessed grip – oval 14 mm	191
Handle set – 240 mm	192
Square spindle	193
Half-set on the inside – with square spindle – 240 mm	193
Half-set on the inside – square spindle can be shortened – 240 mm	195
Half-set on the outside – 240 mm	196
Recessed grip – square 7 mm	197
Recessed grip – square 11 mm	197

7 Roto Patio Lift

7.1 Roto Square

7.1.1 Standard – 200 mm





Product description

- Basic handle without additional functions
- 180° lock-in position

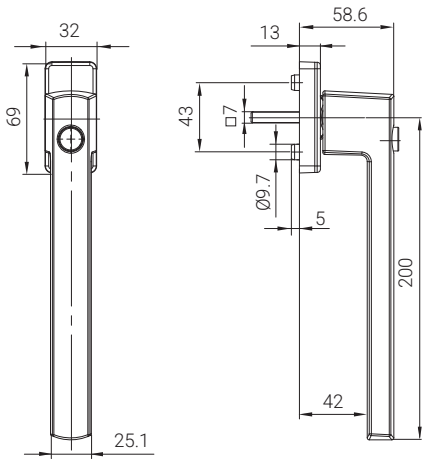
Scope of delivery

- 1 handle
- 2 fixing screws, can be shortened

43	R01.1	Natural silver	anod.	Y	2	M5x50	1 Piece(s)	2048914
	R01.3	Titanium	anod.	Y	2	M5x50	1 Piece(s)	2055602
	R05.5	Bronze	anod.	Y	2	M5x50	1 Piece(s)	2055603
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	1 Piece(s)	2048912
	R07.2	Traffic white	powd-c	Y	2	M5x50	1 Piece(s)	2048913

7.1.2 Push-to-open – 200 mm





Product description

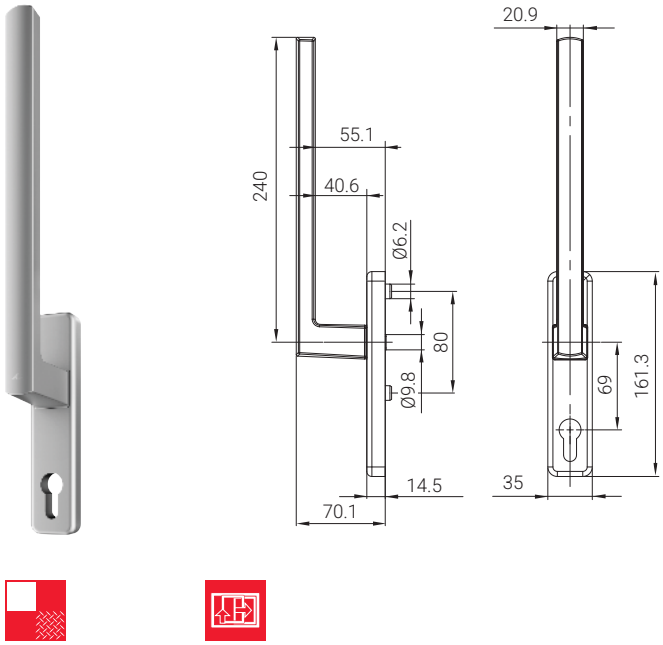
- Handle with push-to-open mechanism
- The push-to-open function makes locking and unlocking possible
- 180° lock-in position

Scope of delivery

- 1 handle
- 2 fixing screws, can be shortened

43	R01.1	Natural silver	anod.	Y	2	M5x50	1 Piece(s)	2048915
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	1 Piece(s)	2048916
	R07.2	Traffic white	powd-c	Y	2	M5x50	1 Piece(s)	2048917

7.1.3 Lift&Slide door handles – interior handle; 240 mm



Product description

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

Scope of delivery

- 1 handle

INFO
Profile cylinder is not included in the scope of delivery.

With profile cylinder hole

–	R01.1	Natural silver	anod.	Y	–	–	1 Piece(s)	2048890
–	R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2048891
–	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2048889

Accessory set → *from page 185*

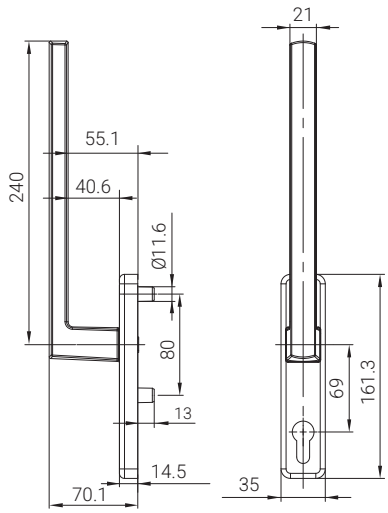
Without profile cylinder hole

–	R01.1	Natural silver	anod.	Y	–	–	1 Piece(s)	2048893
	R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2048894
	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2048892

Accessory set → *from page 185*

7.1.4 Lift&Slide door handles – exterior handle; 240 mm





Product description

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

Scope of delivery

- 1 handle

INFO

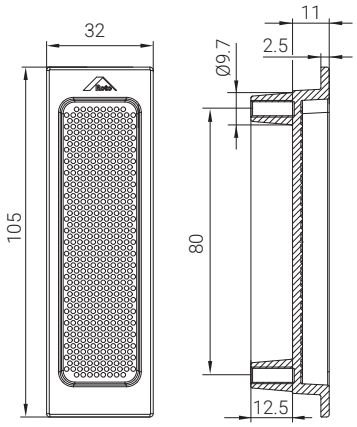
Profile cylinder is not included in the scope of delivery.

–	R01.1	Natural silver	anod.	Y	–	–	1 Piece(s)	2048908
	R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2048907
	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2048906

Accessory set → *from page 185*

7.1.5 Lift&Slide door handles – recessed grip on the outside; rectangular 7 mm





Product description

- Exterior handle
- Screw fixing with interior handle

Scope of delivery

- 1 recessed grip

Roto			Roto	#			№
R01.1	Natural silver	anod.	Y	–	–	Piece(s)	2048911
R06.2M	Jet black, matt	powd-c	Y	–	–	Piece(s)	2048910
R07.2	Traffic white	powd-c	Y	–	–	Piece(s)	2048909

7.1.6 Accessory set for half-set

Scope of delivery

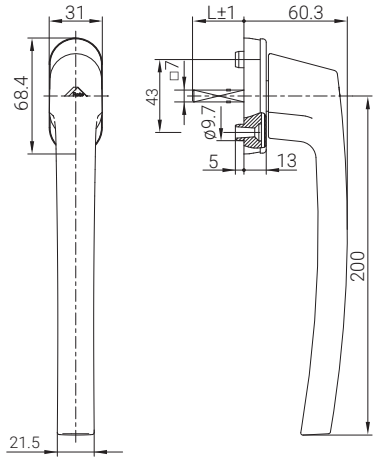
- 1 square spindle
- Screws: see table
- Spring

	#		№
68	2	M5x110	2054910
158	2	M5x110	2054911

7.2 Roto Line

7.2.1 Standard – 200 mm





Product description

- Basic handle without additional functions
- 180° lock-in position

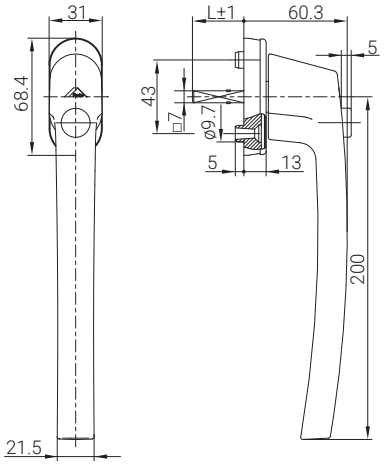
Scope of delivery

- 1 handle
- 2 fixing screws, can be shortened

43	R01.1	Natural silver	anod.	Y	2	M5x50	1 Piece(s)	799005
	R02.2	Anthracite grey	powd-c	Y	2	M5x50	1 Piece(s)	2036641
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	1 Piece(s)	798990
	R07.2	Traffic white	powd-c	Y	2	M5x50	1 Piece(s)	798991
47	R01.1	Natural silver	powd-c	Y	2	M5x55	1 Piece(s)	2044599
	R02.2	Anthracite grey	powd-c	Y	2	M5x55	1 Piece(s)	2044600
	R06.2M	Jet black, matt	powd-c	Y	2	M5x55	1 Piece(s)	2044602
	R07.2	Traffic white	powd-c	Y	2	M5x55	1 Piece(s)	2044601

7.2.2 Push-to-open – 200 mm





Product description

- Handle with push-to-open mechanism
- The push-to-open function makes locking and unlocking possible
- 180° lock-in position

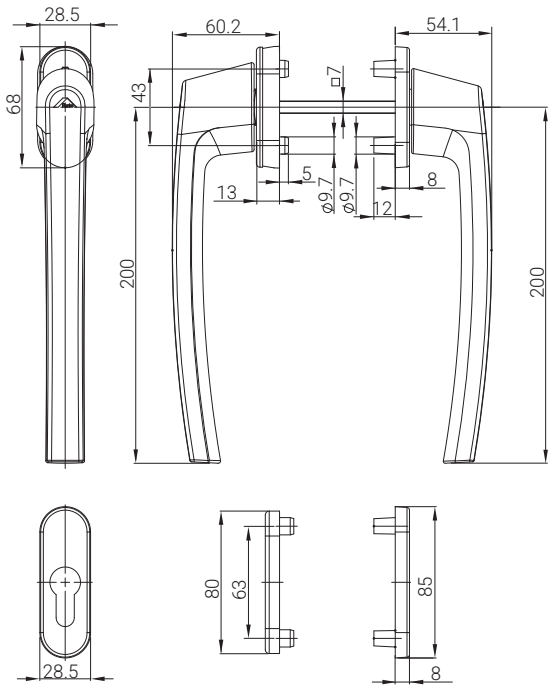
Scope of delivery

- 1 handle
- 2 fixing screws, can be shortened

43	R01.1	Natural silver	powd-c	Y	2	M5x50	1 Piece(s)	798992
	R02.2	Anthracite grey	powd-c	Y	2	M5x50	1 Piece(s)	2036640
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	1 Piece(s)	798993
	R07.2	Traffic white	powd-c	Y	2	M5x50	1 Piece(s)	798994
47	R01.1	Natural silver	powd-c	Y	2	M5x55	1 Piece(s)	2044609
	R02.2	Anthracite grey	powd-c	Y	2	M5x55	1 Piece(s)	2044610
	R06.2M	Jet black, matt	powd-c	Y	2	M5x55	1 Piece(s)	2044612
	R07.2	Traffic white	powd-c	Y	2	M5x55	1 Piece(s)	2044611

7.2.3 Handle set with escutcheons – 200 mm





Product description

- Inside: standard handle securely pinned with profile cylinder escutcheon
- Outside: standard handle with profile cylinder escutcheon
- Handle length 200 mm
- Door leaf thickness: 78 – 98 mm
- Concealed screw fixing
- Lock-in position:

  180° on the inside

  No lock-in position on the outside

Scope of delivery for internal set

- 1 handle with 100 mm square spindle
- 1 profile cylinder escutcheon
- 4 fixing screws, can be shortened

Scope of delivery for external set

- 1 handle
- 1 profile cylinder escutcheon

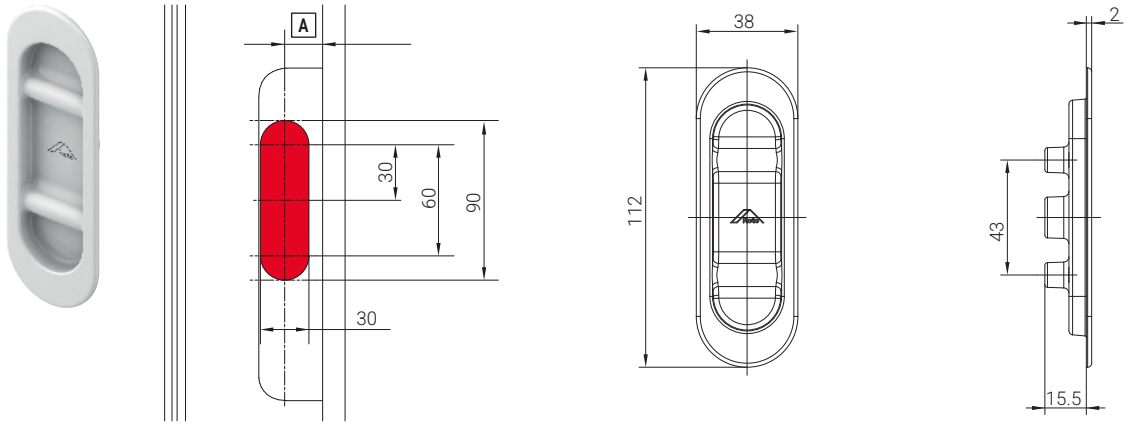
Internal set

	Roto			Roto	#			№
118	R01.1	Natural silver	anod.	N	4	M5x110	1 Piece(s)	2021304
	R06.2M	Jet black, matt	powd-c	N	4	M5x110	1 Piece(s)	2021305
	R07.2	Traffic white	powd-c	N	4	M5x110	1 Piece(s)	2021306

External set

	Roto			Roto	#			№
–	R01.1	Natural silver	anod.	Y	–	–	1 Piece(s)	2021307
	R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2021308
	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2021309

7.2.4 Recessed grip – oval



Assignment	Meaning
[A]	Backset

Product description

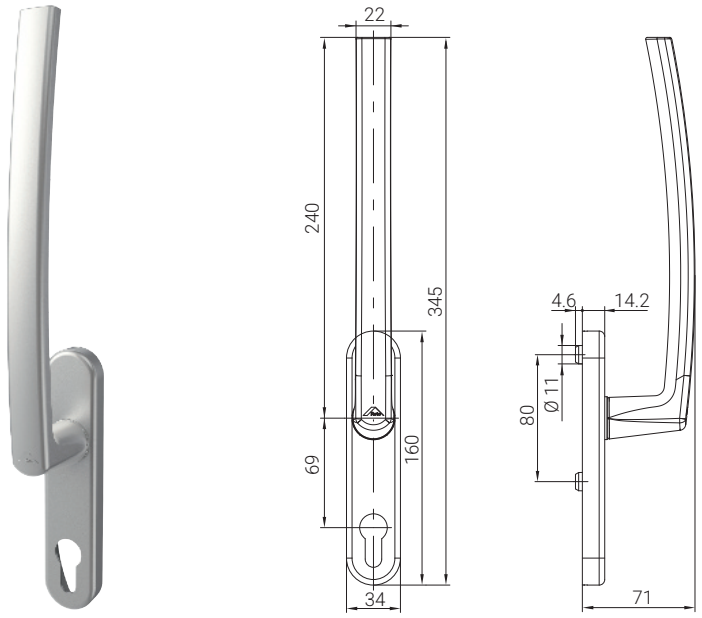
- Exterior handle
- Screw fixing with interior handle

Scope of delivery

- 1 recessed grip

	Roto			Roto	#			№
43	R01.5	Silver	powd-c	Y	–	–	1 Piece(s)	613183
	R06.2	Jet black	powd-c	Y	–	–	1 Piece(s)	605551
	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	605543

7.2.5 Half-set on the inside – without square spindle – 240 mm



Product description

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

Scope of delivery

- 1 handle
- 2 fixing screws, can be shortened

INFO
Profile cylinder is not included in the scope of delivery.

With profile cylinder hole

–	R01.1	Natural silver	anod.	Y	2	M5x110	1 Piece(s)	856570
	R05.3	Bronze	anod.	Y	2	M5x110	1 Piece(s)	856572
	R06.2	Jet black	powd-c	Y	2	M5x110	1 Piece(s)	856571
	R07.2	Traffic white	powd-c	Y	2	M5x110	1 Piece(s)	856564

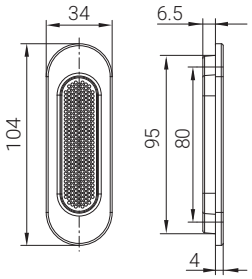
Without profile cylinder hole

–	R01.1	Natural silver	anod.	Y	2	M5x110	1 Piece(s)	849598
	R05.3	Bronze	anod.	Y	2	M5x110	1 Piece(s)	850455
	R06.2	Jet black	powd-c	Y	2	M5x110	1 Piece(s)	850055
	R07.2	Traffic white	powd-c	Y	2	M5x110	1 Piece(s)	849089

INFO
Special colours available upon request. Comes assembled.

7.2.6 Recessed grip – oval 7 mm





Product description

- Exterior handle
- Screw fixing with interior handle

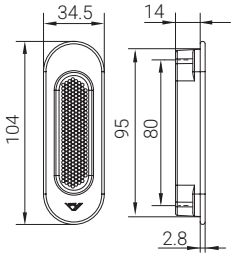
Scope of delivery

- 1 recessed grip

80	R01.1	Natural silver	anod.	N	–	–	10 Piece(s)	2038034
	R01.3	Titanium	anod.	N	–	–	10 Piece(s)	896726
	R05.3	Medium bronze	anod.	N	–	–	10 Piece(s)	2005176
	R06.2M	Jet black, matt	powd-c	N	–	–	10 Piece(s)	2038035
	R07.2	Traffic white	powd-c	N	–	–	10 Piece(s)	2038036
	R07.3	Cream	powd-c	N	–	–	10 Piece(s)	896728
	R00.0	Untreated	–	N	–	–	10 Piece(s)	2038037

7.2.7 Recessed grip – oval 14 mm





Product description

- Exterior handle
- Screw fixing with interior handle
- for handle 300

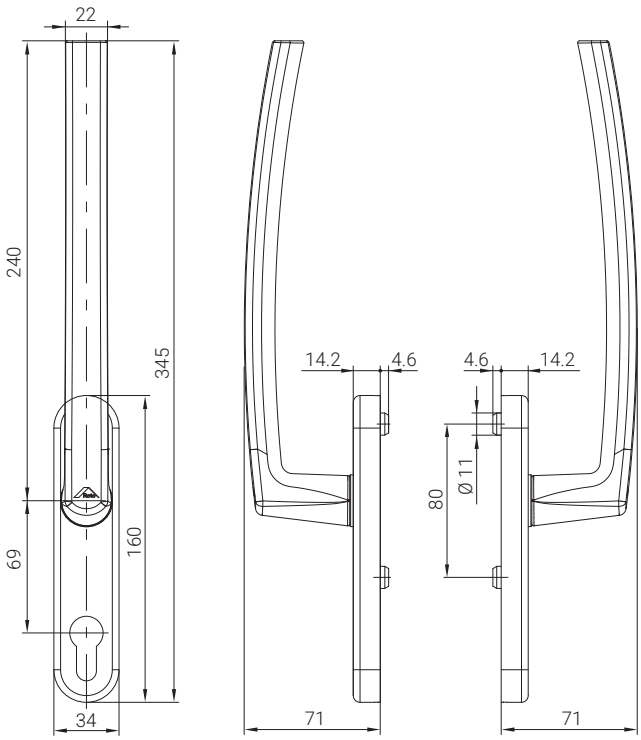
Scope of delivery

- 1 recessed grip

80	R05.3	Bronze	powd-c	Y	–	–	1 Piece(s)	737869
	R06.2	Jet black	powd-c	Y	–	–	1 Piece(s)	642880
	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	642881
	R01.1	Natural silver	powd-c	Y	–	–	1 Piece(s)	642882

7.2.8 Handle set – 240 mm





Product description

- Exterior handle with profile cylinder hole
- Interior handle with profile cylinder hole
- Handle length 240 mm
- Concealed screw fixing
- 180° lock-in position

Scope of delivery

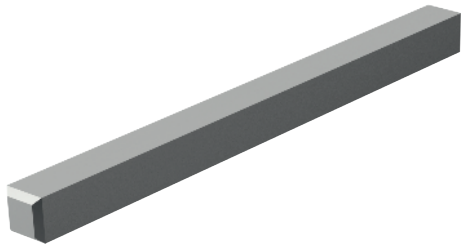
- 2 handles
- 2 fixing screws, can be shortened

INFO
Profile cylinder is not included in the scope of delivery.

					#			№
–	R01.1	Natural silver	anod.	Y	2	M5x110	1 Piece(s)	856580
	R05.3	Bronze	anod.	Y	2	M5x110	1 Piece(s)	856582
	R06.2	Jet black	powd-c	Y	2	M5x110	1 Piece(s)	856581
	R07.2	Traffic white	powd-c	Y	2	M5x110	1 Piece(s)	856574

INFO
Special colours available upon request. Comes assembled.

7.2.9 Square spindle



Product description

- Notches on one side for force-fitting installation on the handle

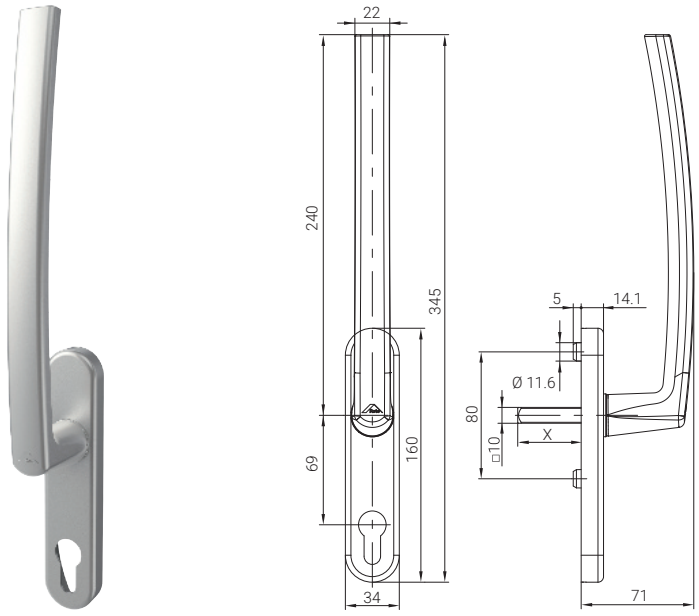
Scope of delivery

- 1 square spindle

10 x 10

	№
80	644120
140	769897
150	644121
155	769898

7.2.10 Half-set on the inside – with square spindle – 240 mm



Product description

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

Scope of delivery

- 1 handle
- 2 fixing screws, can be shortened

INFO
Profile cylinder is not included in the scope of delivery.

With profile cylinder hole

					#			№
40	R01.1	Natural silver	anod.	Y	2	M5x110	1 Piece(s)	2045398
	R06.2M	Jet black, matt	powd-c	Y	2	M5x110	1 Piece(s)	2045397
	R07.2	Traffic white	powd-c	Y	2	M5x110	1 Piece(s)	2045396
	R00.0	Untreated	–	Y	2	M5x110	1 Piece(s)	2045399
190	R01.1	Natural silver	anod.	Y	2	M5x110	1 Piece(s)	2045406
	R01.3	Titanium	anod.	Y	2	M5x110	1 Piece(s)	2045361
	R02.2	Anthracite grey	anod.	Y	2	M5x110	1 Piece(s)	2045390
	R05.3	Medium bronze	anod.	Y	2	M5x110	1 Piece(s)	2045383
	R06.2M	Jet black, matt	powd-c	Y	2	M5x110	1 Piece(s)	2045405
	R07.3	Cream	powd-c	Y	2	M5x110	1 Piece(s)	2045379
	R07.2	Traffic white	powd-c	Y	2	M5x110	1 Piece(s)	2045404
	R00.0	Untreated	anod.	Y	–	–	1 Piece(s)	2045407

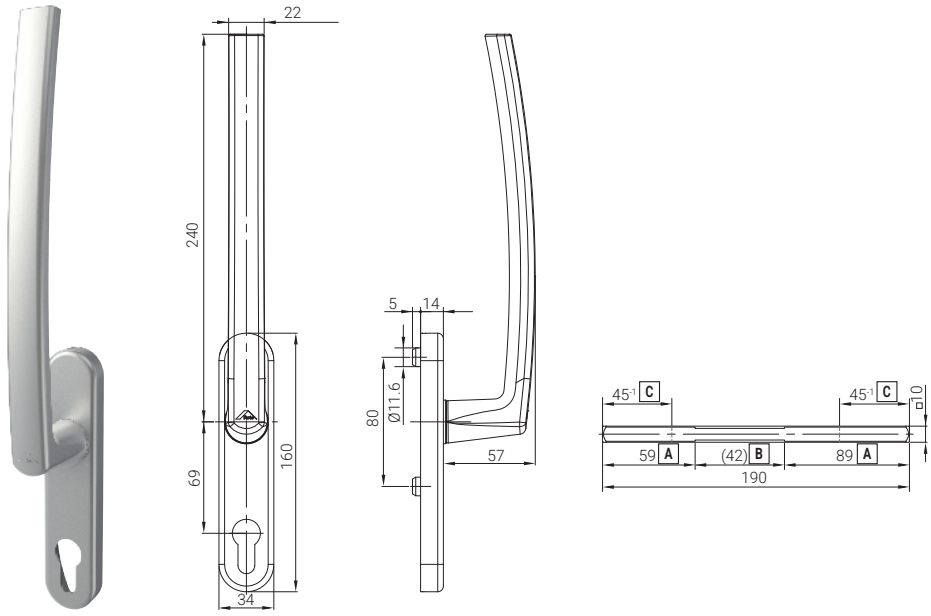
INFO
The uncoated handle is not supplied assembled.

Without profile cylinder hole

					#			№
40	R01.1	Natural silver	anod.	Y	2	M5x110	1 Piece(s)	2045394
	R01.3	Titanium	anod.	Y	2	M5x110	1 Piece(s)	2045408
	R02.2	Anthracite grey	anod.	Y	2	M5x110	1 Piece(s)	2045389
	R05.3	Medium bronze	anod.	Y	2	M5x110	1 Piece(s)	2045362
	R06.2M	Jet black, matt	powd-c	Y	2	M5x110	1 Piece(s)	2045393
	R07.2	Traffic white	powd-c	Y	2	M5x110	1 Piece(s)	2045392
	R07.3	Cream	powd-c	Y	2	M5x110	1 Piece(s)	2045363
	–	Untreated	–	Y	2	M5x110	1 Piece(s)	2045395

INFO
The uncoated handle is not supplied assembled.

7.2.11 Half-set on the inside – square spindle can be shortened – 240 mm



Additional details for uncoated handle

[A] Can be shortened to up to 45 mm.

[B] Espagnolette must be positioned in this area.

[C] Square spindle engagement length in the handle set. Screw the square spindle into the handles with grub screws (torque: 4.0 – 5.0 Nm).

Product description

- Basic handle without additional functions
- Long handle lever
- Can only be used with exterior handle
- 180° lock-in position

Scope of delivery

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

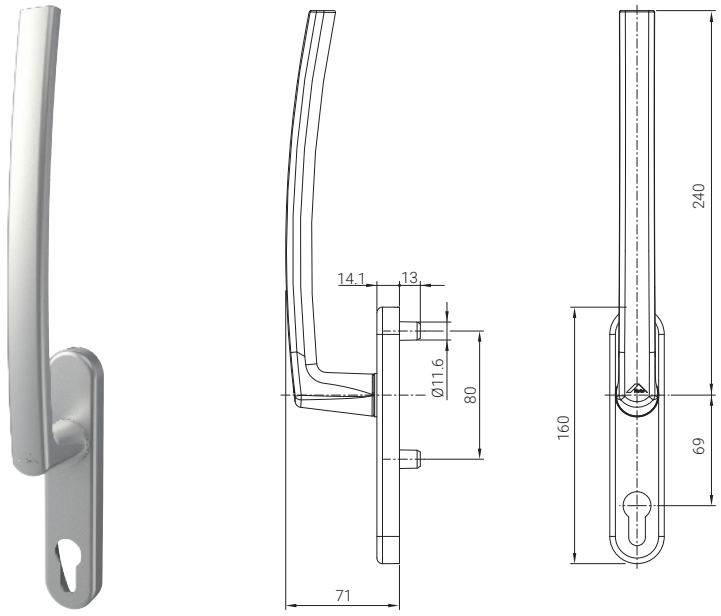
INFO
Profile cylinder is not included in the scope of delivery.

INFO
The uncoated handle is not supplied assembled.

With profile cylinder hole

	Roto			Roto	#			№
190	R06.2M	Jet black, matt	powd-c	Y	2	M5x110	1 Piece(s)	2045405
	R07.2	Traffic white	powd-c	Y	2	M5x110	1 Piece(s)	2045404

7.2.12 Half-set on the outside – 240 mm



Product description

- Basic handle without additional functions
- 180° lock-in position

Scope of delivery

- 1 handle

INFO
Profile cylinder is not included in the scope of delivery.

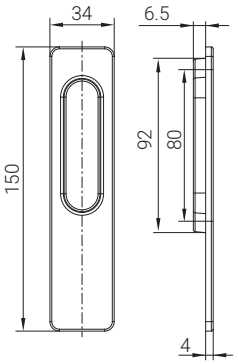
With profile cylinder hole

	Roto			Roto	#			№
–	R01.1	Natural silver	anod.	Y	–	–	1 Piece(s)	2045402
	R01.3	Titanium	anod.	Y	–	–	1 Piece(s)	2045380
	R02.2	Anthracite grey	powd-c	Y	–	–	1 Piece(s)	2045391
	R05.3	Medium bronze	anod.	Y	–	–	1 Piece(s)	2045381
	R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2045401
	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2045400
	R07.3	Cream	powd-c	Y	–	–	1 Piece(s)	2045382
	–	Untreated	anod.	Y	–	–	1 Piece(s)	2045403

INFO
The uncoated handle is not supplied assembled.

7.2.13 Recessed grip – square 7 mm





Product description

- Exterior handle
- Screw fixing with interior handle

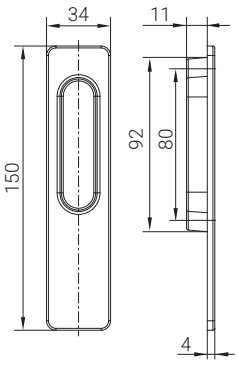
Scope of delivery

- 1 recessed grip

80	R01.1	Natural silver	anod.	N	–	–	10 Piece(s)	635151
	R06.2M	Jet black, matt	powd-c	N	–	–	10 Piece(s)	635150
	R07.2	Traffic white	powd-c	N	–	–	10 Piece(s)	635149
	R00.0	Uncoated	–	N	–	–	10 Piece(s)	635153

7.2.14 Recessed grip – square 11 mm





Product description

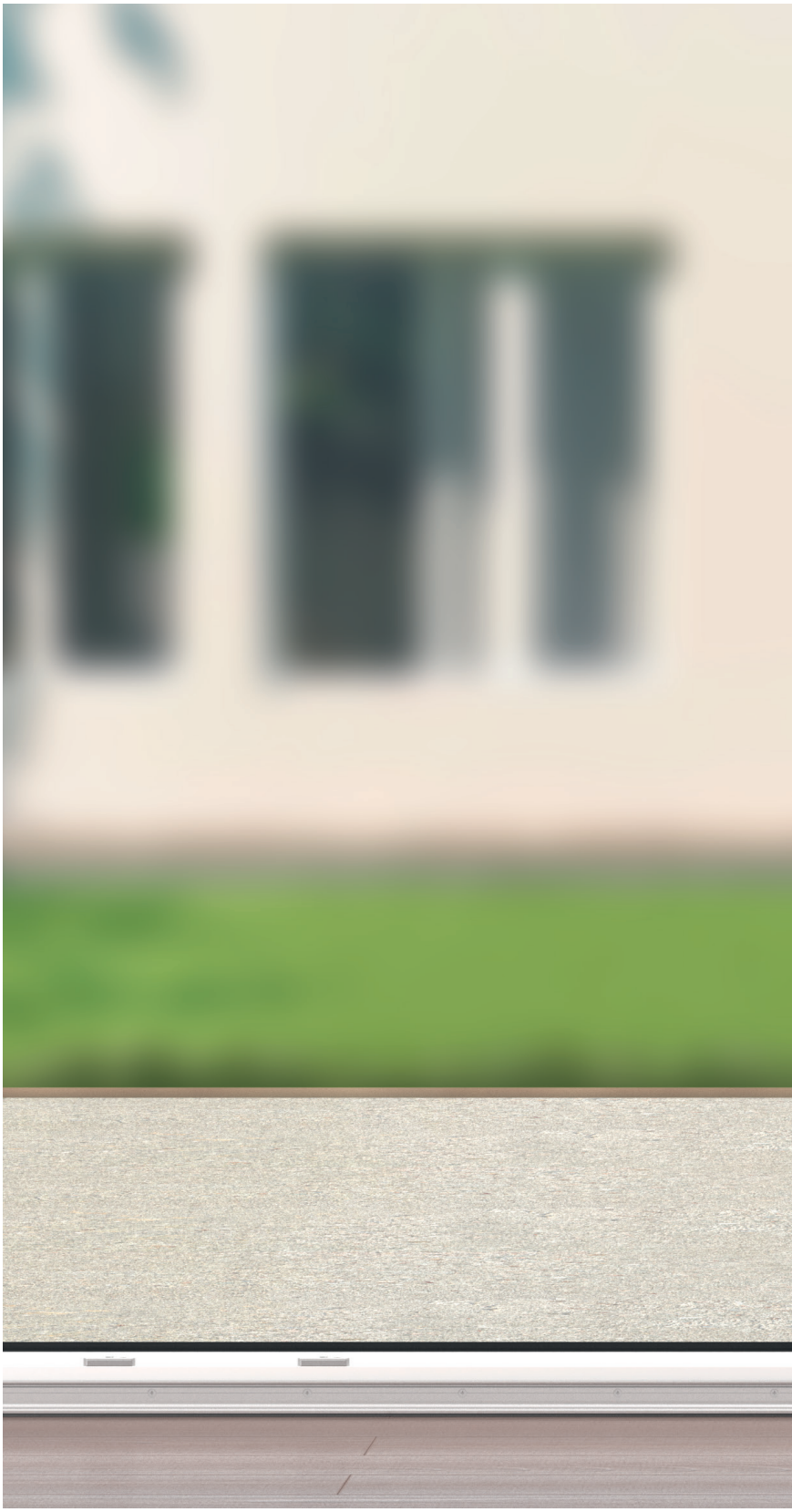
- Exterior handle
- Screw fixing with interior handle

Scope of delivery

- 1 recessed grip

80	R01.1	Natural silver	anod.	N	–	–	10 Piece(s)	635156
	R06.2M	Jet black, matt	powd-c	N	–	–	10 Piece(s)	635155
	R07.2	Traffic white	powd-c	N	–	–	10 Piece(s)	635154
	R00.0	Uncoated	–	N	–	–	10 Piece(s)	635158

Roto Patio Alversa





Roto Square

Standard – 114 mm	202
Standard – 160 mm	203
Standard – 200 mm	204
Lockable 100 Nm – 200 mm	205
Half-set on the inside with escutcheon – 200 mm	206
Half-set on the outside with escutcheon – 200 mm	207
Half-set on the outside with escutcheon – flat handle 200 mm	208

Roto Line

Standard – 114 mm	209
Standard – 160 mm	210
Standard – 200 mm	211
Lockable 40 Nm – 119 mm	213
Lockable 100 Nm – 119 mm	214
Lockable 100 Nm – 160 mm	215
Lockable 100 Nm – 200 mm	216
Geared-handle – reinforced connector	218
Geared-handle set – 200 mm	219
Geared-handle – lockable 100 Nm – 121 mm – reinforced connector	220
Geared-handle – lockable 100 Nm – 200 mm	221
Geared-handle – lockable 100 Nm – 121 mm – reinforced connector	222
Without escutcheon	223
Without escutcheon – lockable 40 Nm	224
Handle set with escutcheons – 160 mm	225
Handle set with escutcheons – 200 mm	226
Handle set with escutcheons – flat handle on the outside	227
Recessed grip – oval	229
Accessories	230

Roto Swing

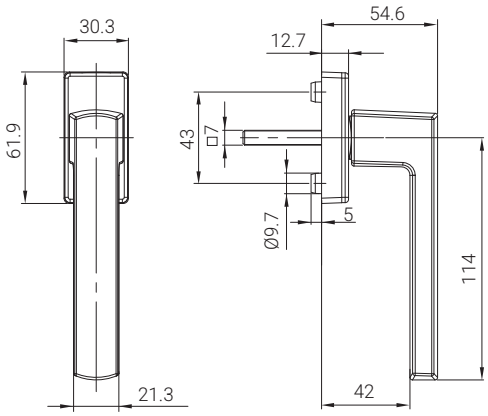
Standard	233
Lockable 100 Nm	234

8 Roto Patio Alversa

8.1 Roto Square

8.1.1 Standard – 114 mm





Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

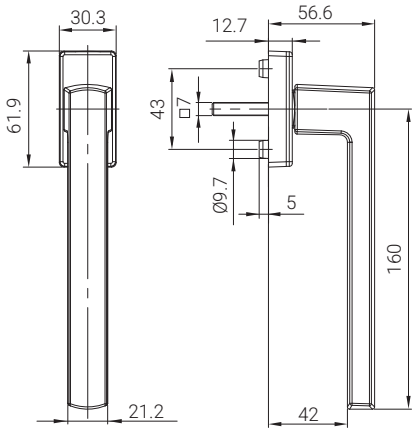
Scope of delivery

- 1 handle
- For fixing screws, see table

	Roto			Roto	#			№
24	R01.1	Natural silver	anod.	Y	2	M5x35	10 Piece(s)	2048704
	R06.2M	Jet black, matt	powd-c	Y	2	M5x35	10 Piece(s)	2048706
	R07.2	Traffic white	powd-c	Y	2	M5x35	10 Piece(s)	2048705

8.1.2 Standard – 160 mm





Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

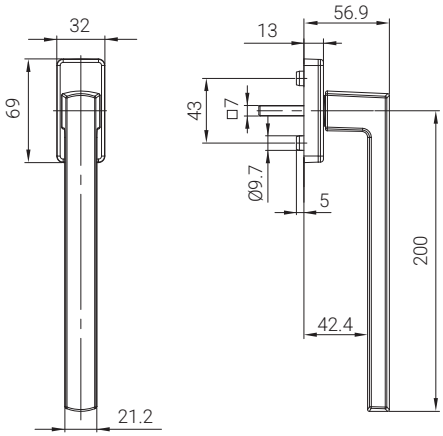
Scope of delivery

- 1 handle
- For fixing screws, see table

35	R01.1	Natural silver	Y	anod.	2	M5x45	1 Piece(s)	2048940
	R01.3	Titanium	Y	anod.	2	M5x45	1 Piece(s)	2048941
	R05.5	Bronze	Y	anod.	2	M5x45	1 Piece(s)	2048939
	R06.2M	Jet black, matt	Y	powd-c	2	M5x45	1 Piece(s)	2048943
	R07.2	Traffic white	Y	powd-c	2	M5x45	1 Piece(s)	2048938
43	R01.1	Natural silver	Y	anod.	2	M5x50	1 Piece(s)	2048944
	R01.3	Titanium	Y	anod.	2	M5x50	1 Piece(s)	2048945
	R05.5	Bronze	Y	anod.	2	M5x50	1 Piece(s)	2048948
	R06.2M	Jet black, matt	Y	powd-c	2	M5x50	1 Piece(s)	2048950
	R07.2	Traffic white	Y	powd-c	2	M5x50	1 Piece(s)	2048947

8.1.3 Standard – 200 mm





Product description

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

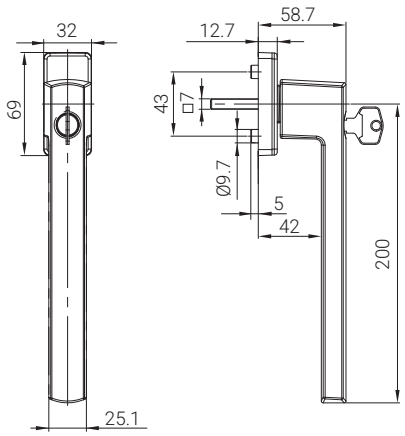
Scope of delivery

- 1 handle
- 2 fixing screws, can be shortened

37	R01.1	Natural silver	Y	anod.	2	M5x45	1 Piece(s)	2048930
	R01.3	Titanium	Y	anod.	2	M5x45	1 Piece(s)	2055604
	R05.5	Bronze	Y	anod.	2	M5x45	1 Piece(s)	2055605
	R06.2M	Jet black, matt	Y	powd-c	2	M5x45	1 Piece(s)	2048932
	R07.2	Traffic white	Y	powd-c	2	M5x45	1 Piece(s)	2048931
43	R01.1	Natural silver	Y	anod.	2	M5x50	1 Piece(s)	2048934
	R06.2M	Jet black, matt	Y	powd-c	2	M5x50	1 Piece(s)	2048937
	R07.2	Traffic white	Y	powd-c	2	M5x50	1 Piece(s)	2048935

8.1.4 Lockable 100 Nm – 200 mm





Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position

Scope of delivery

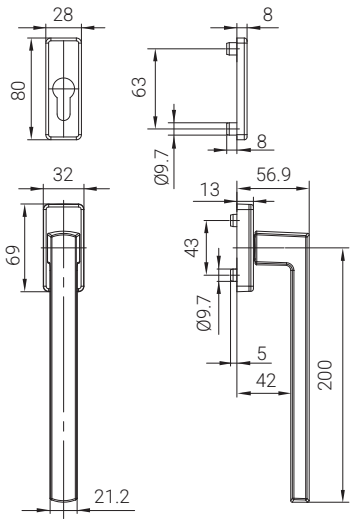
- 1 handle
- 1 key
- 2 fixing screws, can be shortened

INFO
Further information on lockable handles → *from page 20*.

43	R01.1	Natural silver	anod.	Y	2	M5x50	1 Piece(s)	2048951
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	1 Piece(s)	2048955
	R07.2	Traffic white	powd-c	Y	2	M5x50	1 Piece(s)	2048954

8.1.5 Half-set on the inside with escutcheon – 200 mm





Product description

- Standard handle with profile cylinder escutcheon
- Handle length 200 mm
- 90° lock-in position

Scope of delivery

- 1 handle

–	R01.1	Natural silver	anod.	Y	–	–	1 Piece(s)	2048923
	R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2048925
	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2048924

Accessory set

Scope of delivery

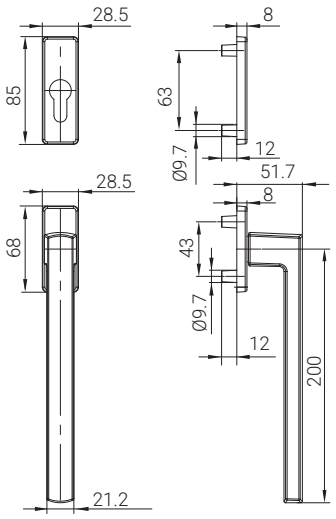
- 1 square spindle
- Screws: see table
- Spring

130	4	M5x110	2054898
155	4	M5x110	2054899

8.1.6 Half-set on the outside with escutcheon – 200 mm







Product description

- Standard handle with profile cylinder escutcheon
- Handle length 200 mm
- 90° lock-in position

Scope of delivery

- 1 handle

–	R01.1	Natural silver	anod.	Y	–	–	1 Piece(s)	2048956
	R06.2	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2048959
	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2048958

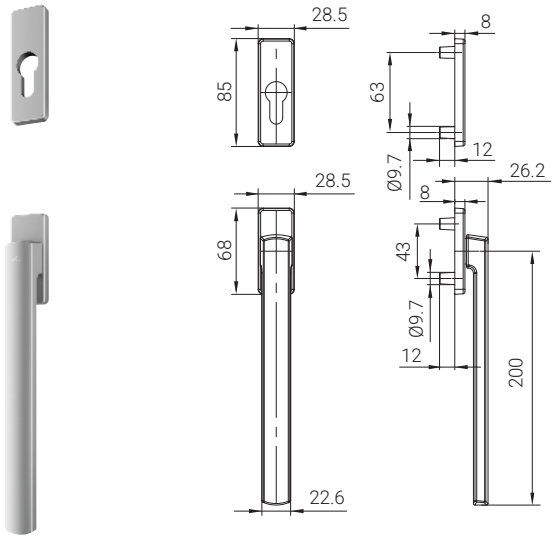
Accessory set

Scope of delivery

- 1 square spindle
- Screws: see table
- Spring

130	4	M5x110	2054898
155	4	M5x110	2054899

8.1.7 Half-set on the outside with escutcheon – flat handle 200 mm



Product description

- flat handle with profile cylinder escutcheon
- Handle length 200 mm
- 90° lock-in position

Scope of delivery

- 1 handle

–	R01.1	Natural silver	anod.	Y	–	–	1 Piece(s)	2048926
	R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2048929
	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2048928

Accessory set

Scope of delivery

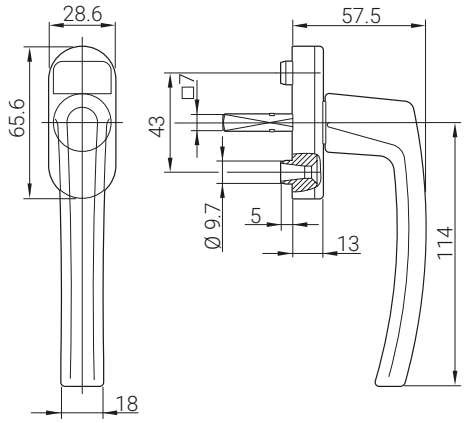
- 1 square spindle
- Screws: see table
- Spring

115	4	M5x110	2054912
140	4	M5x110	2055402

8.2 Roto Line

8.2.1 Standard – 114 mm





Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- For fixing screws, see table

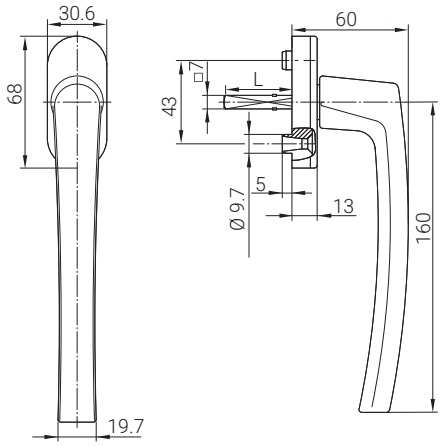
INFO
A flush-encased gearbox is required for use in aluminium profiles .

INFO
Only use handles with a length of 200 mm for Patio Alversa | PS Air Com.

24	R01.1	Natural silver	–	anod.	Y	–	–	20 Piece(s)	262466
	R01.1	Natural silver	–	anod.	Y	2	M5x35	20 Piece(s)	799867
	R01.3	Titanium	–	anod.	Y	–	–	20 Piece(s)	341748
	R06.2M	Jet black, matt	–	powd-c	Y	2	M5x30	20 Piece(s)	857277
	R06.2M	Jet black, matt	–	powd-c	Y	2	M5x35	20 Piece(s)	2033353
	R07.2	Traffic white	–	powd-c	Y	2	M5x35	20 Piece(s)	2043566
	R07.2	Traffic white	–	powd-c	N	2	M5x35	20 Piece(s)	858980
	SF	Special colour	Escutcheon: Jet black	powd-c	Y	2	M5x35	20 Piece(s)	788812

8.2.2 Standard – 160 mm





Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

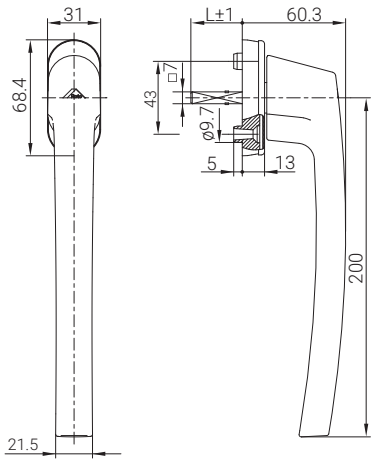
Scope of delivery

- 1 handle

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

8.2.3 Standard – 200 mm





Product description

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

Scope of delivery

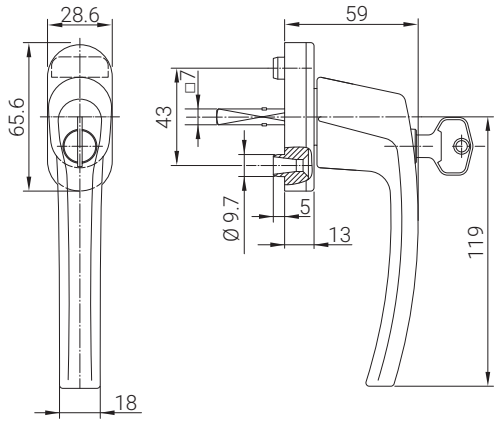
- 1 handle
- 2 fixing screws, can be shortened

24	R01.1	Natural silver	anod.	Y	2	M5x30	1 Piece(s)	815193
	R01.5	Silver	anod.	Y	2	M5x30	1 Piece(s)	815194
	R06.2M	Jet black, matt	powd-c	Y	2	M5x30	1 Piece(s)	815215
	R07.2	Traffic white	powd-c	Y	2	M5x30	1 Piece(s)	815216
32	R01.1	Natural silver	anod.	Y	2	M5x40	1 Piece(s)	786362
	R01.2	Nickel silver	anod.	Y	2	M5x40	1 Piece(s)	786669
	R01.3	Titanium	anod.	Y	2	M5x40	1 Piece(s)	786670
	R01.5	Silver	powd-c	Y	2	M5x40	1 Piece(s)	786671
	R05.3	Medium bronze	anod.	Y	2	M5x40	1 Piece(s)	786363
	R05.4	Dark bronze	powd-c	Y	2	M5x40	1 Piece(s)	786364
	R05.5	Bronze	anod.	Y	2	M5x40	1 Piece(s)	786673
	R06.2M	Jet black, matt	powd-c	Y	2	M5x40	1 Piece(s)	786674
	R07.2	Traffic white	powd-c	Y	2	M5x40	1 Piece(s)	786395
	R07.3	Cream	powd-c	Y	2	M5x40	1 Piece(s)	786717
37	R01.1	Natural silver	anod.	Y	2	M5x45	1 Piece(s)	780549
	R01.2	Nickel silver	anod.	Y	2	M5x45	1 Piece(s)	786517
	R01.3	Titanium	anod.	Y	2	M5x45	1 Piece(s)	780552
	R01.5	Silver	powd-c	Y	2	M5x45	1 Piece(s)	786519
	R04.4	Black brown	powd-c	Y	2	M5x45	1 Piece(s)	796926
	R05.3	Medium bronze	anod.	Y	2	M5x45	1 Piece(s)	780575
	R05.4	Dark bronze	powd-c	Y	2	M5x45	1 Piece(s)	780576
	R05.5	Bronze	anod.	Y	2	M5x45	1 Piece(s)	780577
	R06.2M	Jet black, matt	powd-c	Y	2	M5x45	1 Piece(s)	786715
	R07.3	Cream	powd-c	Y	2	M5x45	1 Piece(s)	780579
	R07.2	Traffic white	powd-c	Y	2	M5x45	1 Piece(s)	780578

43	R01.1	Natural silver	anod.	Y	2	M5x50	1 Piece(s)	780551
	R01.2	Nickel silver	anod.	Y	2	M5x50	1 Piece(s)	786518
	R01.3	Titanium	anod.	Y	2	M5x50	1 Piece(s)	780580
	R01.5	Silver	powd-c	Y	2	M5x50	1 Piece(s)	786672
	R04.4	Black brown	powd-c	Y	2	M5x50	1 Piece(s)	796927
	R05.3	Medium bronze	anod.	Y	2	M5x50	1 Piece(s)	780581
	R05.4	Dark bronze	powd-c	Y	2	M5x50	1 Piece(s)	780582
	R05.5	Bronze	anod.	Y	2	M5x50	1 Piece(s)	780583
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	1 Piece(s)	786716
	R07.2	Traffic white	powd-c	Y	2	M5x50	1 Piece(s)	780584
	R07.3	Cream	powd-c	Y	2	M5x50	1 Piece(s)	780585

8.2.4 Lockable 40 Nm – 119 mm





Product description

- Lockable handle with tested torque of 40 Nm (basic security)
- Closure: rotary cylinder with reversible key
- Can be unlocked and locked as required
- Can be operated when the handle is unlocked
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- 1 key
- For fixing screws, see table

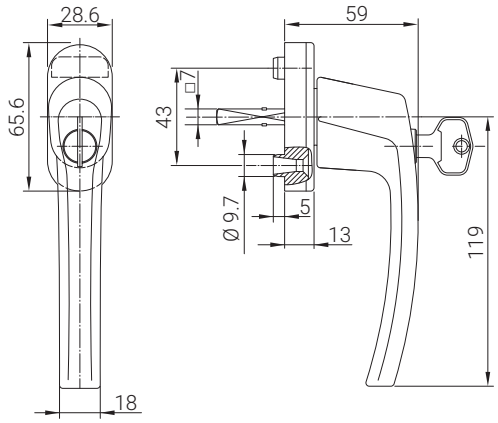
INFO
A flush-encased gearbox is required for use in aluminium profiles .

INFO
Only use handles with a length of 200 mm for Patio Alversa | PS Air Com.

24	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	610560
	R01.5	Silver	anod.	N	2	M5x30	15 Piece(s)	640325
	R06.2	Jet black	powd-c	Y	2	M5x40	15 Piece(s)	840755
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	765011

8.2.5 Lockable 100 Nm – 119 mm





Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- 1 key
- For fixing screws, see table

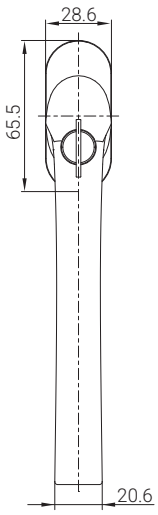
INFO
Further information on lockable handles → *from page 20*.

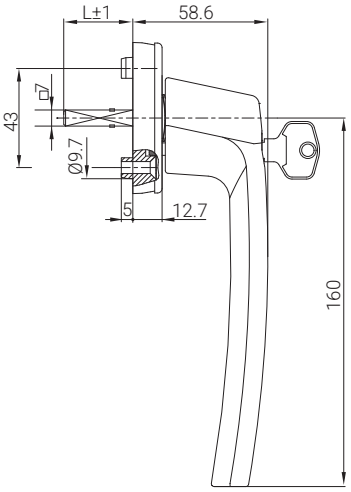
INFO
A flush-encased gearbox is required for use in aluminium profiles .

	Roto			Roto	#			№
24	R01.1	Natural silver	anod.	Y	2	M5x30	20 Piece(s)	819857
	R01.1	Natural silver	anod.	N	2	M5x35	20 Piece(s)	858985
	R01.3	Titanium	anod.	N	2	M5x35	20 Piece(s)	858986
	R07.2	Traffic white	powd-c	Y	2	M5x30	20 Piece(s)	819856
	R07.2	Traffic white	powd-c	N	2	M5x35	20 Piece(s)	858984

8.2.6 Lockable 100 Nm – 160 mm







Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

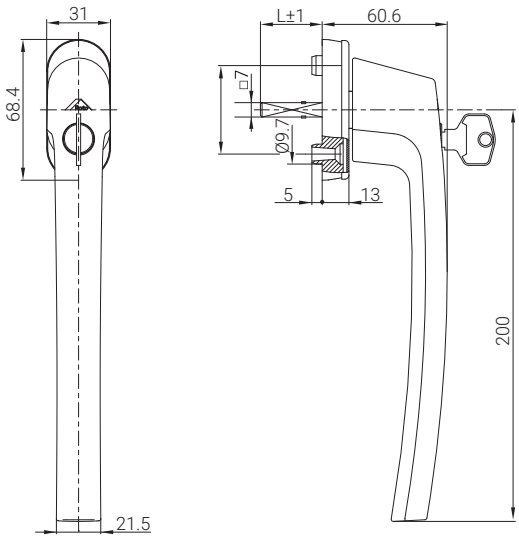
- 1 handle
- 1 key

INFO
Further information on lockable handles → *from page 20*.

	Roto			Roto	#			№
43	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	774105
	R01.1	Natural silver	powd-c	Y	–	–	1 Piece(s)	773853
	R01.3	Titanium	powd-c	Y	–	–	1 Piece(s)	773854
	R04.1	Grey brown	powd-c	Y	–	–	1 Piece(s)	775173

8.2.7 Lockable 100 Nm – 200 mm





Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position

Scope of delivery

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

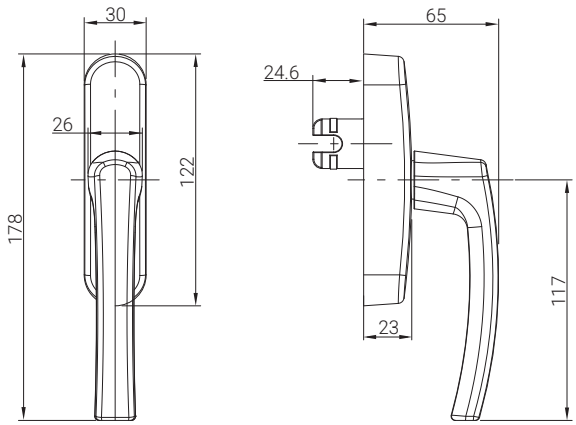
INFO
Further information on lockable handles → *from page 20*.

24	R01.1	Natural silver	anod.	Y	2	M5x30	1 Piece(s)	815217
	R01.5	Silver	anod.	Y	2	M5x30	1 Piece(s)	815218
	R06.2M	Jet black, matt	powd-c	Y	2	M5x30	1 Piece(s)	815219
32	R01.1	Natural silver	anod.	Y	2	M5x40	1 Piece(s)	786719
	R01.3	Titanium	anod.	Y	2	M5x40	1 Piece(s)	786732
	R05.3	Medium bronze	anod.	Y	2	M5x40	1 Piece(s)	786397
	R05.4	Dark bronze	powd-c	Y	2	M5x40	1 Piece(s)	786398
	R05.5	Bronze	anod.	Y	2	M5x40	1 Piece(s)	787000
	R06.2M	Jet black, matt	powd-c	Y	2	M5x40	1 Piece(s)	787002
	R07.2	Traffic white	powd-c	Y	2	M5x40	1 Piece(s)	786399
37	R01.1	Natural silver	anod.	Y	2	M5x45	1 Piece(s)	780586
	R01.2	Nickel silver	anod.	Y	2	M5x45	1 Piece(s)	786396
	R01.3	Titanium	anod.	Y	2	M5x45	1 Piece(s)	780587
	R01.5	Silver	powd-c	Y	2	M5x45	1 Piece(s)	786734
	R05.3	Medium bronze	anod.	Y	2	M5x45	1 Piece(s)	780588
	R05.4	Dark bronze	powd-c	Y	2	M5x45	1 Piece(s)	780589
	R05.5	Bronze	anod.	Y	2	M5x45	1 Piece(s)	780590
	R06.2M	Jet black, matt	powd-c	Y	2	M5x45	1 Piece(s)	787003
	R07.2	Traffic white	powd-c	Y	2	M5x45	1 Piece(s)	780591
	R07.3	Cream	powd-c	Y	2	M5x45	1 Piece(s)	780592

43	R01.1	Natural silver	anod.	Y	2	M5x50	1 Piece(s)	780593
	R01.2	Nickel silver	anod.	Y	2	M5x45	1 Piece(s)	786730
	R01.3	Titanium	anod.	Y	2	M5x50	1 Piece(s)	780594
	R01.5	Silver	powd-c	Y	2	M5x50	1 Piece(s)	786755
	R02.2	Anthracite grey	powd-c	Y	2	M5x50	1 Piece(s)	820798
	R04.4	Black brown	powd-c	Y	2	M5x50	1 Piece(s)	796930
	R05.3	Medium bronze	anod.	Y	2	M5x50	1 Piece(s)	780595
	R05.4	Dark bronze	powd-c	Y	2	M5x50	1 Piece(s)	780596
	R05.5	Bronze	anod.	Y	2	M5x50	1 Piece(s)	780597
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	1 Piece(s)	787004
	R07.2	Traffic white	powd-c	Y	2	M5x50	1 Piece(s)	780598
	R07.3	Cream	powd-c	Y	2	M5x50	1 Piece(s)	780599

8.2.8 Geared-handle – reinforced connector





Product description

- Basic handle without additional functions
- Reinforced connector
- 90° lock-in position

Scope of delivery

- 1 geared-handle with handle

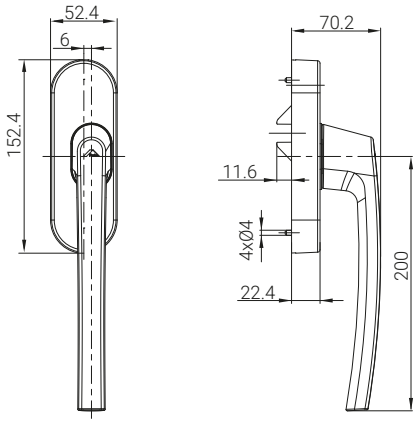
26	R01.5	Silver	powd-c	–	–	Y	1 Piece(s)	786522
	R05.4	Dark bronze	powd-c	–	–	Y	1 Piece(s)	786523
	R06.2M	Jet black, matt	powd-c	–	–	Y	1 Piece(s)	786524
	R07.2	Traffic white	powd-c	–	–	Y	1 Piece(s)	786535
	R00.0	Uncoated	–	–	–	Y	1 Piece(s)	786541

Compatible T connectors → *from page 230*.

INFO
The uncoated handle is not supplied assembled.

8.2.9 Geared-handle set – 200 mm





Product description

- 90° lock-in position
- Special hardware components are required for this handle. You can find the required hardware component in the relevant system catalogue.

Scope of delivery

- 1 geared-handle with handle
- 1 T connector

4 fixing screws for handle

4 fixing screws for T connector

2 square nuts

INFO

For the scope of delivery of the T connector set, see → *from page 230*

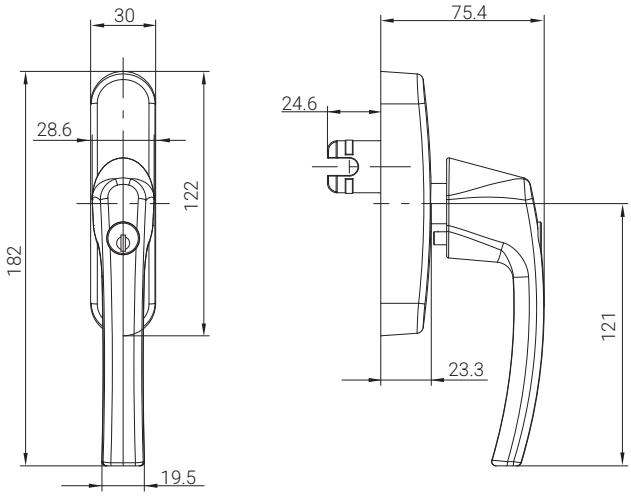
Roto			Roto		№
R01.5	Silver	powd-c	Y	1 Piece(s)	775916
R05.4	Dark bronze	anod.	Y	1 Piece(s)	775919
R06.2M	Jet black, matt	powd-c	Y	1 Piece(s)	775918
R07.2	Traffic white	powd-c	Y	1 Piece(s)	775917
R00.0	Uncoated	–	N	1 Piece(s)	775920

INFO

The uncoated handle is not supplied assembled.

8.2.10 Geared-handle – lockable 100 Nm – 121 mm – reinforced connector





Product description

- Lockable handle with tested torque 100 Nm
- Closure: cylinder with reversible key
- 90° lock-in position

Scope of delivery

- 1 geared-handle with handle
- 2 keys

26	R01.5	Silver	powd-c	Y	–	–	10 Piece(s)	378843
	R01.5M	Matt silver	powd-c	Y	–	–	10 Piece(s)	2036937
			powd-c	N	–	–	10 Piece(s)	2036938
	R03.4	Stainless-steel design	Nickel-plated	Y	–	–	10 Piece(s)	335881
	R05.4	Dark bronze	powd-c	Y	–	–	10 Piece(s)	378917
	R06.2M	Jet black, matt	powd-c	Y	–	–	10 Piece(s)	378844
	R06.2	Jet black	powd-c	Y	–	–	10 Piece(s)	385193
	R07.1	Pure white	powd-c	Y	–	–	10 Piece(s)	378915
			powd-c	N	–	–	10 Piece(s)	384521
	R07.2	Traffic white	powd-c	Y	–	–	10 Piece(s)	378916
	SF	Special colour	wet p powd-c	Y	–	–	10 Piece(s)	378918
			wet p powd-c	N	–	–	10 Piece(s)	384523
	R00.0	Uncoated	–	N	–	–	10 Piece(s)	238700
32	R01.5	Silver	anod.	Y	–	–	10 Piece(s)	384099

Compatible T connectors → *from page 230*.

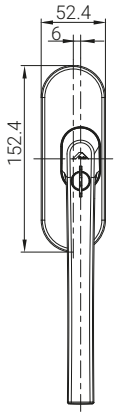
Fork for geared-handle → *from page 230*, other fork lengths are available upon request.

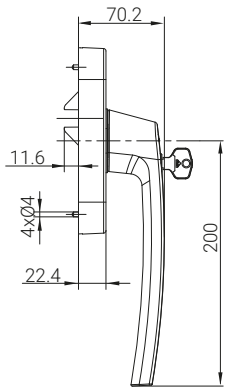
Accessories for geared-handles → *from page 230*.

INFO
The uncoated handle is not supplied assembled.

8.2.11 Geared-handle – lockable 100 Nm – 200 mm







Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- Special hardware components are required for this handle.

Scope of delivery

- 1 geared-handle with handle
- 1 T connector set

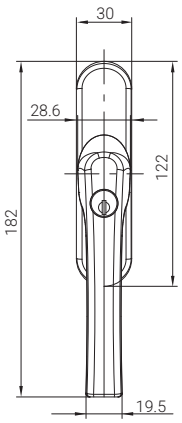
Roto			Roto			№
R01.1	Natural silver	anod.	Y	1 Piece(s)	Timber PVC	775943

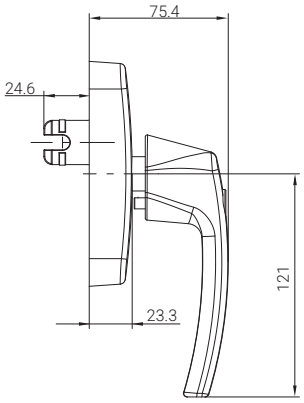
INFO
The uncoated handle is not supplied assembled.

INFO
For the scope of delivery of the T connector set, see → *from page 230*

8.2.12 Geared-handle – lockable 100 Nm – 121 mm – reinforced connector







Product description

- Lockable handle with tested torque of 100 Nm
- Closure: cylinder with reversible key
- 90° lock-in position

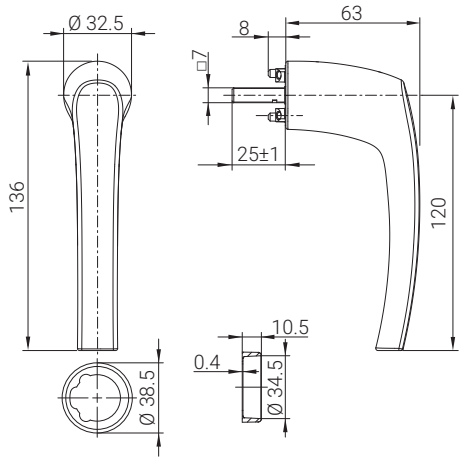
Scope of delivery

- 1 geared-handle with handle
- 2 keys

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

8.2.13 Without escutcheon





Product description

- Basic handle without additional functions
- Can be optionally combined with colour-coordinated ring escutcheon
- Concealed screw fixing
- 90° lock-in position

Scope of delivery

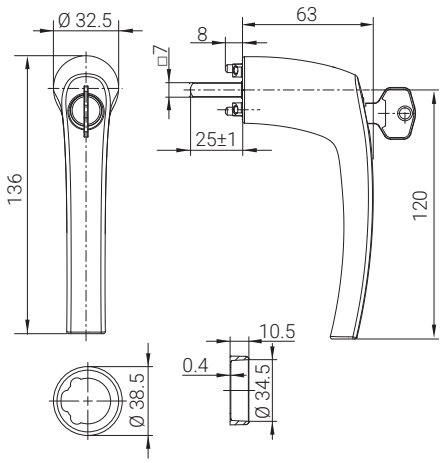
- 1 handle
- 2 fixing screws
- 1 transport safety device

	Roto			Roto	#			№
25	R01.5	Silver	powd-c	N	2	M4x12.5	10 Piece(s)	377908
	R01.5M	Matt silver	powd-c	N	2	M4x12.5	10 Piece(s)	2037024
	R03.4	Stainless-steel design	met p	N	2	M4x12.5	10 Piece(s)	619288
	R05.4	Dark bronze	anod.	N	2	M4x12.5	10 Piece(s)	377912
	R06.2M	Jet black, matt	powd-c	N	2	M4x12.5	10 Piece(s)	377909
	R07.1	Pure white	powd-c	N	2	M4x12.5	10 Piece(s)	377910
	R07.2	Traffic white	powd-c	N	2	M4x12.5	10 Piece(s)	377911
	SF	Special colour	wet p powd-c	N	2	M4x12.5	10 Piece(s)	377913

Accessories for handle without escutcheon .

8.2.14 Without escutcheon – lockable 40 Nm





Product description

- Lockable handle with tested torque of 40 Nm
- Closure: rotary cylinder with reversible key
- Can be operated when the handle is unlocked
- 90° lock-in position

Scope of delivery

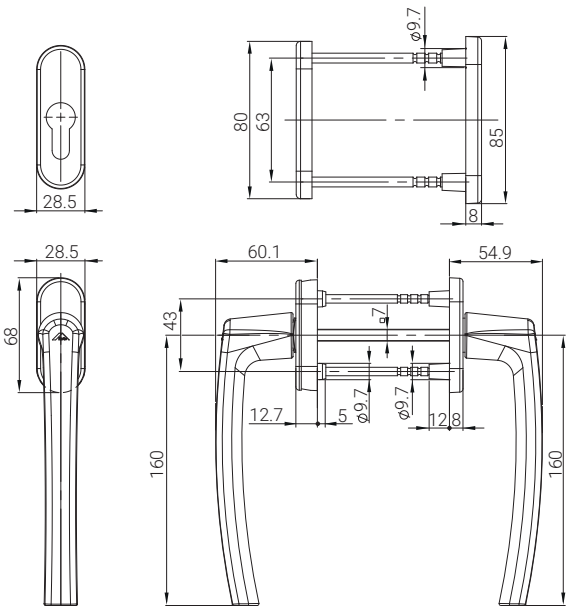
- 1 handle
- 1 key
- 2 fixing screws
- 1 transport safety device

25	R01.5	Silver	powd-c	N	2	M4x12.5	10 Piece(s)	377914
	R01.5M	Matt silver	powd-c	N	2	M4x12.5	10 Piece(s)	2037026
	R03.4	Stainless-steel design	anod.	N	2	M4x12.5	10 Piece(s)	619289
	R05.4	Dark bronze	anod.	N	2	M4x12.5	10 Piece(s)	377918
	R06.2	Jet black	powd-c	N	2	M4x12.5	10 Piece(s)	377915
	R07.2	Traffic white	powd-c	N	2	M4x12.5	10 Piece(s)	377917
	SF	Special colour	wet p powd-c	N	2	M4x12.5	10 Piece(s)	377919

Accessories for handle without escutcheon .

8.2.15 Handle set with escutcheons – 160 mm





Product description

- Handle set with escutcheon version
- Outside: handle securely pinned
- Outside: standard handle with profile cylinder escutcheon
- Inside: standard handle with profile cylinder escutcheon
- Door leaf thickness: 48 – 78 mm
- Concealed screw fixing
- 90° lock-in position

Scope of delivery

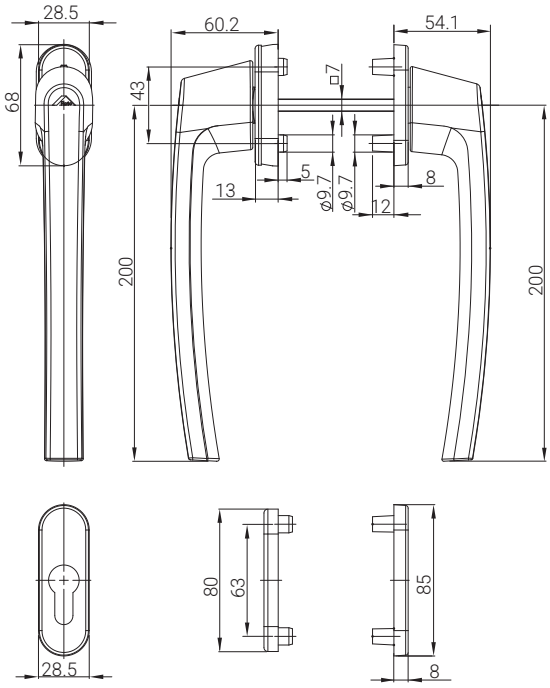
- 2 handles
- 2 profile cylinder escutcheons
- 4 fixing screws, can be shortened

					#			№
100	R01.1	Natural silver	anod.	Y	4	M5x100	1 Piece(s)	776119
	R05.3	Medium bronze	anod.	Y	4	M5x100	1 Piece(s)	776120
	R05.4	Dark bronze	powd-c	Y	4	M5x100	1 Piece(s)	776121
	R05.5	Bronze	anod.	Y	4	M5x100	1 Piece(s)	776122
	R07.2	Traffic white	powd-c	Y	4	M5x100	1 Piece(s)	776123

8.2.16 Handle set with escutcheons – 200 mm







Product description

- Outside: standard handle securely pinned with profile cylinder escutcheon
- Inside: standard handle with profile cylinder escutcheon
- Handle length 200 mm
- Door leaf thickness: 78 – 98 mm
- Concealed screw fixing
- 90° lock-in position

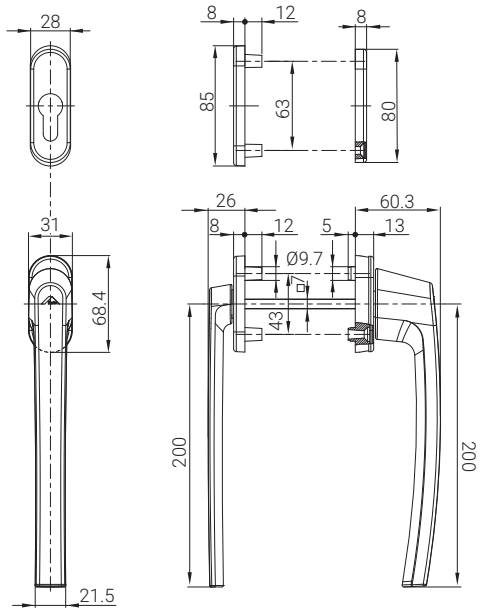
Scope of delivery

- 2 handles
- 2 profile cylinder escutcheons
- 4 fixing screws, can be shortened

135	R01.1	Natural silver	anod.	Y	4	M5x110	1 Piece(s)	838659
	R01.3	Titanium	anod.	Y	4	M5x110	1 Piece(s)	838661
	R01.5	Silver	anod.	Y	4	M5x110	1 Piece(s)	838663
	R05.3	Medium bronze	anod.	Y	4	M5x110	1 Piece(s)	838662
	R05.5	Bronze	anod.	Y	4	M5x110	1 Piece(s)	838664
	R06.2M	Jet black, matt	powd-c	Y	4	M5x110	1 Piece(s)	838658
	R07.2	Traffic white	powd-c	Y	4	M5x110	1 Piece(s)	838657

8.2.17 Handle set with escutcheons – flat handle on the outside





Product description

- Handle set with escutcheon version
- Outside: handle securely pinned
- Outside: flat handle with profile cylinder escutcheon
- Inside: standard handle with profile cylinder escutcheon
- Square spindle 100 mm
  Door leaf thickness: 68 – 78 mm
- Square spindle 135 mm
  Door leaf thickness: 78 – 98 mm
- Concealed screw fixing
- 90° lock-in position

Scope of delivery

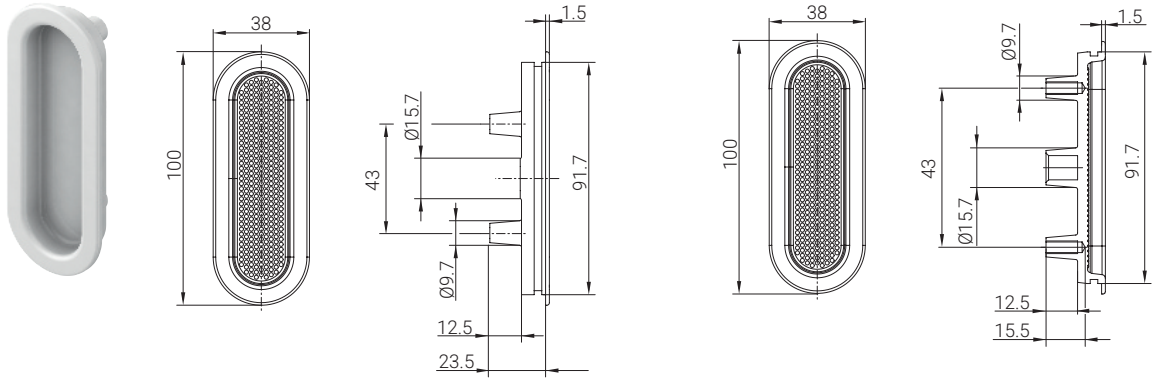
- 2 handles
- 2 profile cylinder escutcheons
- 4 fixing screws, can be shortened

	Roto			Roto	#			№
100	R01.1	Natural silver	anod.	Y	4	M5x100	1 Piece(s)	786179
	R01.5	Silver	powd-c	Y	4	M5x100	1 Piece(s)	786221
	R02.2	Anthracite grey	powd-c	Y	4	M5x100	1 Piece(s)	820799
	R04.4	Black brown	powd-c	Y	4	M5x100	1 Piece(s)	796931
	R05.3	Medium bronze	anod.	Y	4	M5x100	1 Piece(s)	786180
	R05.4	Dark bronze	powd-c	Y	4	M5x100	1 Piece(s)	786181
	R05.5	Bronze	anod.	Y	4	M5x100	1 Piece(s)	786182
	R06.2M	Jet black, matt	powd-c	Y	4	M5x100	1 Piece(s)	786222
	R07.2	Traffic white	powd-c	Y	4	M5x100	1 Piece(s)	786183

Handle set with escutcheons – flat handle on the outside

135	R01.1	Natural silver	anod.	Y	4	M5x110	1 Piece(s)	786225
	R01.5	Silver	powd-c	Y	4	M5x110	1 Piece(s)	786220
	R04.4	Black brown	powd-c	Y	4	M5x110	1 Piece(s)	796932
	R05.3	Medium bronze	anod.	Y	4	M5x110	1 Piece(s)	786226
	R05.4	Dark bronze	powd-c	Y	4	M5x110	1 Piece(s)	786227
	R05.5	Bronze	anod.	Y	4	M5x110	1 Piece(s)	786228
	R06.2M	Jet black, matt	powd-c	Y	4	M5x110	1 Piece(s)	786229
	R07.2	Traffic white	powd-c	Y	4	M5x110	1 Piece(s)	786230

8.2.18 Recessed grip – oval



Product description

- Can be routed in

Scope of delivery

- 1 recessed grip

without domed section

43	R01.1	Natural silver	anod.	N	–	–	10 Piece(s)	820028
	R01.2	Nickel silver	anod.	N	–	–	10 Piece(s)	820029
	R01.3	Titanium	anod.	N	–	–	10 Piece(s)	820030
	R01.5	Silver	powd-c	N	–	–	10 Piece(s)	820031
	R05.3	Medium bronze	anod.	N	–	–	10 Piece(s)	820033
	R05.4	Dark bronze	powd-c	N	–	–	10 Piece(s)	820034
	R05.5	Bronze	anod.	N	–	–	10 Piece(s)	820055
	R06.2M	Jet black, matt	powd-c	N	–	–	10 Piece(s)	820070
	R07.2	Traffic white	powd-c	N	–	–	10 Piece(s)	820057
	R07.3	Cream	powd-c	N	–	–	10 Piece(s)	820058
	R00.0	Uncoated	–	N	–	–	10 Piece(s)	820059

with domed section

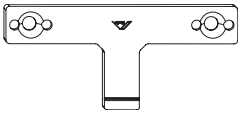
43	R01.1	Natural silver	anod.	N	–	–	10 Piece(s)	494472
	R05.3	Medium bronze	anod.	N	–	–	10 Piece(s)	494473
	R05.5	Bronze	anod.	N	–	–	10 Piece(s)	614625
	R07.2	Traffic white	powd-c	N	–	–	10 Piece(s)	494474

8.2.19 Accessories

8.2.19.1 Geared-handle

8.2.19.1.1 T connector

Timber / PVC



Product description

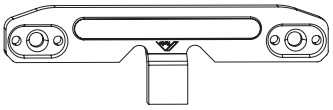
- Connector for attaching geared-handles
- for 13 mm axis
- can be shortened, also for 9 mm axis

Scope of delivery

- 1 T connector
- 4 countersunk self-tapping screws with hexalobular socket
- 2 screws, M5 x 12

		№
HK T connector	1 Piece(s)	785865

Aluminium



Product description

- Connector for attaching geared-handles

Scope of delivery

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

		№
AL T connector	1 Piece(s)	785866

8.2.19.1.2 T connector set



Product description

- Connector set for attaching geared-handles
- Predetermined breaking point to enable the installation of two main corner drives on the central locking system

Scope of delivery

- 1 T connector
- 2 fixing screws

INFO

All Roto Line geared-handles can be used.

→ *3.2.5 "Geared-handle" from page 112*

→ *3.2.6 "Geared-handle – lockable 100 Nm" from page 113*

		#			№
AL T connector set	Coupling point, 10 mm	2	M5x12	10 Piece(s)	728981

8.2.19.1.3 Individual component



Product description

- Espagnolette support for mounting geared-handles
- Can optionally be used for thin-walled leaf profiles

Scope of delivery

- 1 espagnolette support

INFO

Can be used for all Roto Line geared-handles.

				№
Espagnolette support	For Roto Line AL geared-handle	13.5	100 Piece(s)	331937

8.2.19.1.4 Set (individual component with screws)



Product description

- Espagnolette support for mounting geared-handles
- Can optionally be used for thin-walled leaf profiles

Scope of delivery

- 1 espagnolette support
- 2 fixing screws

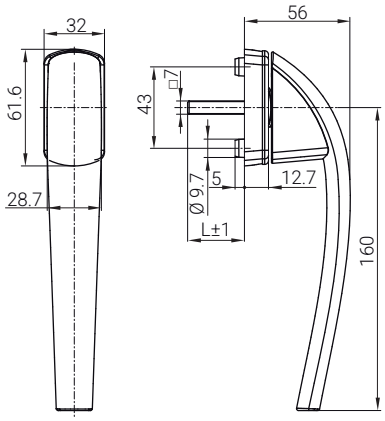
INFO
Can be used for all Roto Line geared-handles.

		#			№
AL espagnolette support set	For Roto Line AL geared-handle	2	M5x12	10 Piece(s)	728853

8.3 Roto Swing

8.3.1 Standard





Product description

- Basic handle without additional functions
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*.

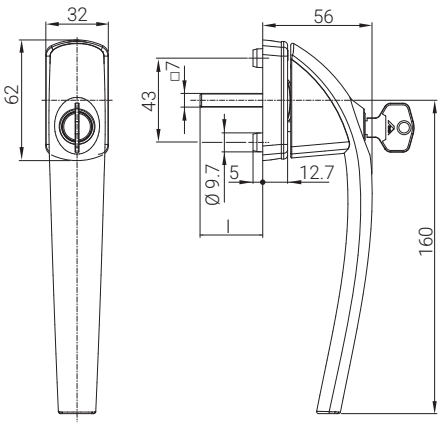
Scope of delivery

- 1 handle

35	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	619714
	R05.3	Medium bronze	anod.	Y	–	–	15 Piece(s)	619725
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	619726
40	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	619727
	R05.3	Medium bronze	anod.	Y	–	–	15 Piece(s)	619728
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	619729
43	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	619730
	R01.3	Titanium	anod.	Y	–	–	15 Piece(s)	729278
	R05.3	Medium bronze	anod.	Y	–	–	15 Piece(s)	619731
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	619732

8.3.2 Lockable 100 Nm





Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position
- Testing and classification in accordance with DIN EN 13126-3 → *from page 18*

Scope of delivery

- 1 handle
- 1 key

INFO
Further information on lockable handles → *from page 20*.

35	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	619733
	R05.3	Medium bronze	anod.	Y	–	–	15 Piece(s)	619734
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	619735
43	R01.1	Natural silver	anod.	Y	–	–	15 Piece(s)	619739
	R05.3	Medium bronze	anod.	Y	–	–	15 Piece(s)	619740
	R07.2	Traffic white	powd-c	Y	–	–	15 Piece(s)	619741

Roto Patio Inowa





Roto Square

Standard – 200 mm	240
Push-to-open – 200 mm	241
Lockable 100 Nm – 200 mm	242
Pop-up	243
Recessed grip – square, symmetrical	244
Recessed grip – square, asymmetrical	245

Roto Line

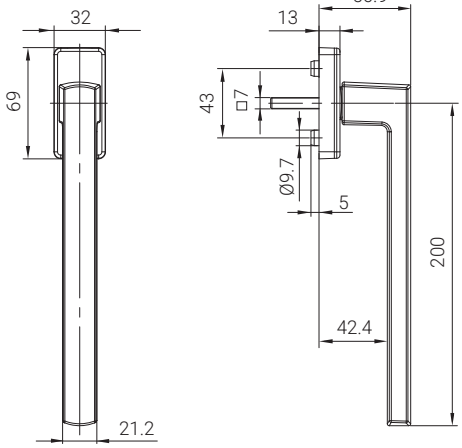
Standard – 200 mm	246
Push-to-open – 200 mm	247
Lockable 100 Nm – 200 mm	248
Half-set on the inside – with square spindle	250
Half-set on the outside – without square spindle	251
Recessed grip – oval	252

9 Roto Patio Inowa

9.1 Roto Square

9.1.1 Standard – 200 mm





Product description

- Basic handle without additional functions
- 180° lock-in position

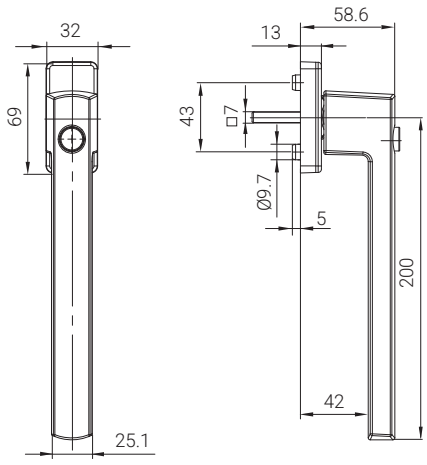
Scope of delivery

- 1 handle
- 2 fixing screws, can be shortened

43	R01.1	Natural silver	anod.	Y	2	M5x50	1 Piece(s)	2048914
	R01.3	Titanium	anod.	Y	2	M5x50	1 Piece(s)	2055602
	R05.5	Bronze	anod.	Y	2	M5x50	1 Piece(s)	2055603
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	1 Piece(s)	2048912
	R07.2	Traffic white	powd-c	Y	2	M5x50	1 Piece(s)	2048913

9.1.2 Push-to-open – 200 mm





Product description

- Handle with push-to-open mechanism
- The push-to-open function makes locking and unlocking possible
- 180° lock-in position

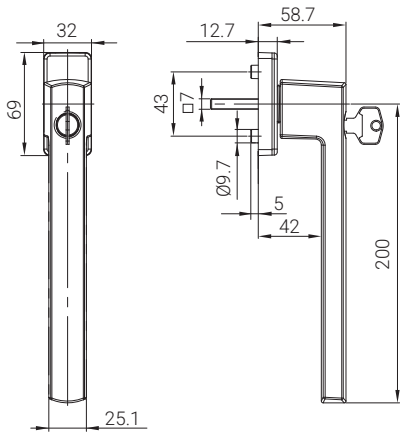
Scope of delivery

- 1 handle
- 2 fixing screws, can be shortened

43	R01.1	Natural silver	anod.	Y	2	M5x50	1 Piece(s)	2048915
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	1 Piece(s)	2048916
	R07.2	Traffic white	powd-c	Y	2	M5x50	1 Piece(s)	2048917

9.1.3 Lockable 100 Nm – 200 mm





Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position

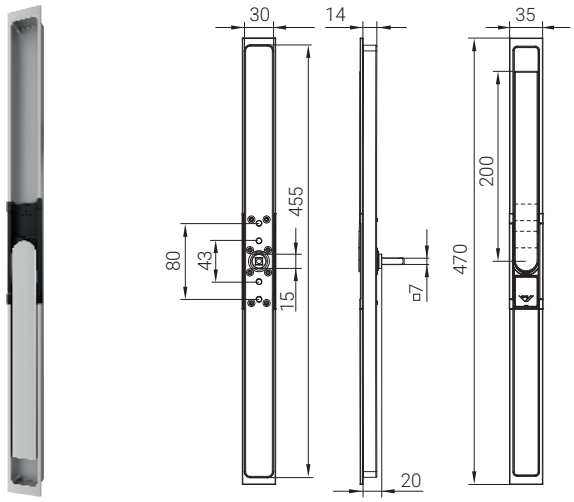
Scope of delivery

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

INFO
Further information on lockable handles → *from page 20*.

43	R01.1	Natural silver	anod.	Y	2	M5x50	1 Piece(s)	2048951
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	1 Piece(s)	2048955
	R07.2	Traffic white	powd-c	Y	2	M5x50	1 Piece(s)	2048954

9.1.4 Pop-up



Product description

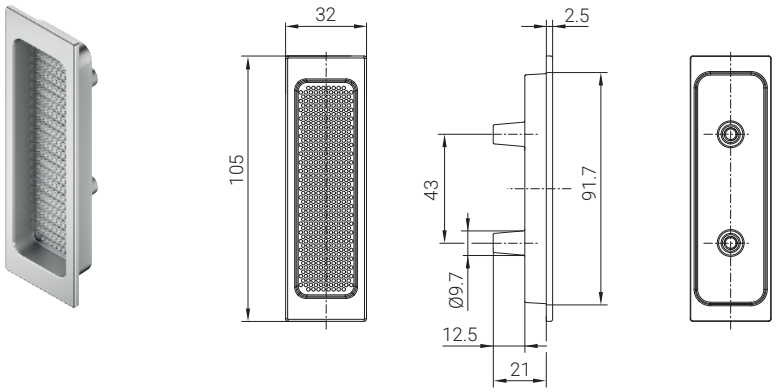
- Ideal solution when sliding sashes overlap
- Virtually flush with the surface of the profile
- Minimum effort required for turning
- Can be retracted into the original position

Scope of delivery

- 1 handle

28.5	R01.1	Natural silver	anod.	Y	1 Piece(s)	2021316
	R06.2M	Jet black, matt	powd-c	Y	1 Piece(s)	2021315
	R07.2	Traffic white	powd-c	Y	1 Piece(s)	2021314

9.1.5 Recessed grip – square, symmetrical



Product description

- Can be routed in

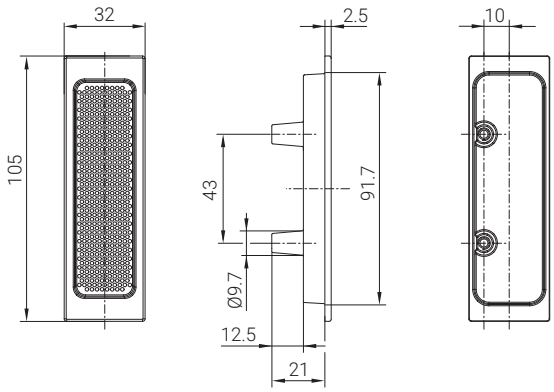
Scope of delivery

- 1 recessed grip

43	R01.1	Natural silver	anod.	Y	–	–	10 Piece(s)	2010058
	R02.2	Anthracite grey	anod.	Y	–	–	10 Piece(s)	2036642
	R06.2	Jet black	powd-c	Y	–	–	10 Piece(s)	2010064
	R07.2	Traffic white	powd-c	Y	–	–	10 Piece(s)	2010065

9.1.6 Recessed grip – square, asymmetrical





Product description

- Can be routed in

Scope of delivery

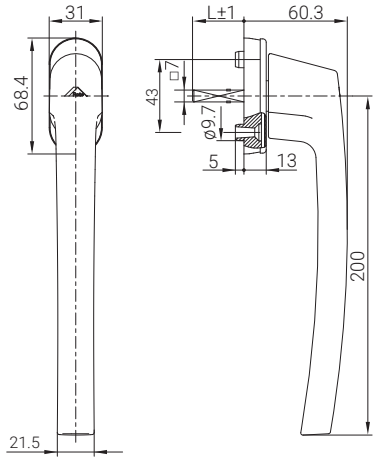
- 1 recessed grip

43	R01.1	Natural silver	anod.	N	–	–	10 Piece(s)	2010066
	R06.2M	Jet black, matt	powd-c	N	–	–	10 Piece(s)	2010067
	R07.2	Traffic white	powd-c	N	–	–	10 Piece(s)	2010068

9.2 Roto Line

9.2.1 Standard – 200 mm





Product description

- Basic handle without additional functions
- 180° lock-in position

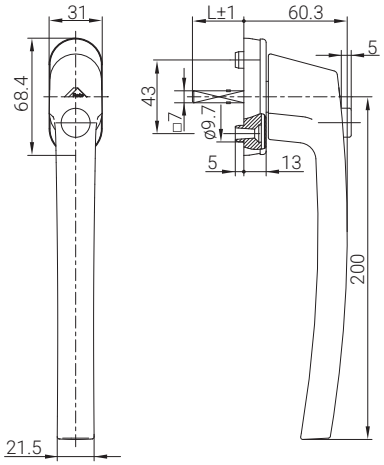
Scope of delivery

- 1 handle
- 2 fixing screws, can be shortened

					#			№
43	R01.1	Natural silver	anod.	Y	2	M5x50	1 Piece(s)	799005
	R02.2	Anthracite grey	powd-c	Y	2	M5x50	1 Piece(s)	2036641
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	1 Piece(s)	798990
	R07.2	Traffic white	powd-c	Y	2	M5x50	1 Piece(s)	798991
47	R01.1	Natural silver	powd-c	Y	2	M5x55	1 Piece(s)	2044599
	R02.2	Anthracite grey	powd-c	Y	2	M5x55	1 Piece(s)	2044600
	R06.2M	Jet black, matt	powd-c	Y	2	M5x55	1 Piece(s)	2044602
	R07.2	Traffic white	powd-c	Y	2	M5x55	1 Piece(s)	2044601

9.2.2 Push-to-open – 200 mm





Product description

- Handle with push-to-open mechanism
- The push-to-open function makes locking and unlocking possible
- 180° lock-in position

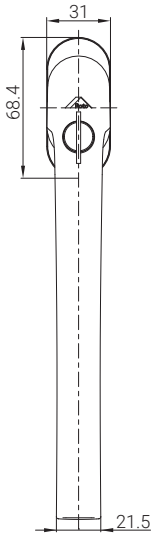
Scope of delivery

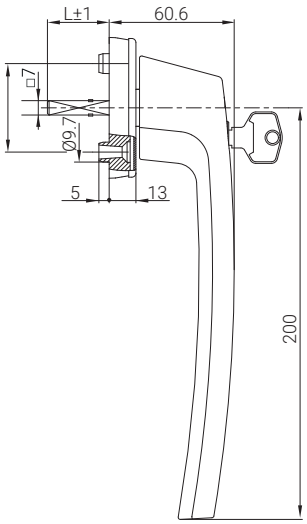
- 1 handle
- 2 fixing screws, can be shortened

43	R01.1	Natural silver	powd-c	Y	2	M5x50	1 Piece(s)	798992
	R02.2	Anthracite grey	powd-c	Y	2	M5x50	1 Piece(s)	2036640
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	1 Piece(s)	798993
	R07.2	Traffic white	powd-c	Y	2	M5x50	1 Piece(s)	798994
47	R01.1	Natural silver	powd-c	Y	2	M5x55	1 Piece(s)	2044609
	R02.2	Anthracite grey	powd-c	Y	2	M5x55	1 Piece(s)	2044610
	R06.2M	Jet black, matt	powd-c	Y	2	M5x55	1 Piece(s)	2044612
	R07.2	Traffic white	powd-c	Y	2	M5x55	1 Piece(s)	2044611

9.2.3 Lockable 100 Nm – 200 mm











Product description

- Lockable handle with tested torque of 100 Nm
- Closure: push cylinder with reversible key
- Simple and quick locking by pressing the cylinder
- Meets the requirements of DIN EN 1627-1630, RC 1 – RC 6
- 90° lock-in position

Scope of delivery

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

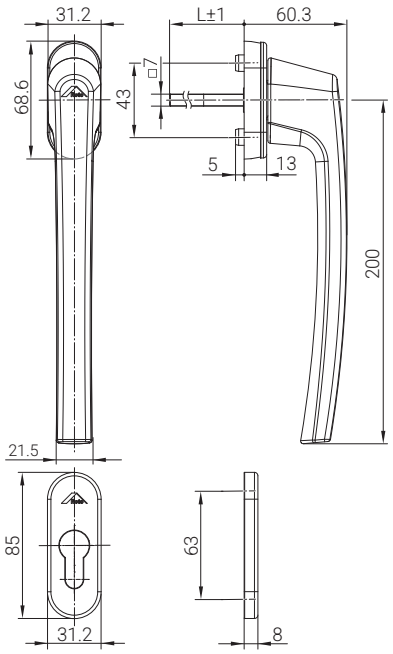
INFO
Further information on lockable handles → *from page 20*.

24	R01.1	Natural silver	anod.	Y	2	M5x30	1 Piece(s)	815217
	R01.5	Silver	anod.	Y	2	M5x30	1 Piece(s)	815218
	R06.2M	Jet black, matt	powd-c	Y	2	M5x30	1 Piece(s)	815219
32	R01.1	Natural silver	anod.	Y	2	M5x40	1 Piece(s)	786719
	R01.3	Titanium	anod.	Y	2	M5x40	1 Piece(s)	786732
	R05.3	Medium bronze	anod.	Y	2	M5x40	1 Piece(s)	786397
	R05.4	Dark bronze	powd-c	Y	2	M5x40	1 Piece(s)	786398
	R05.5	Bronze	anod.	Y	2	M5x40	1 Piece(s)	787000
	R06.2M	Jet black, matt	powd-c	Y	2	M5x40	1 Piece(s)	787002
	R07.2	Traffic white	powd-c	Y	2	M5x40	1 Piece(s)	786399
37	R01.1	Natural silver	anod.	Y	2	M5x45	1 Piece(s)	780586
	R01.2	Nickel silver	anod.	Y	2	M5x45	1 Piece(s)	786396
	R01.3	Titanium	anod.	Y	2	M5x45	1 Piece(s)	780587
	R01.5	Silver	powd-c	Y	2	M5x45	1 Piece(s)	786734
	R05.3	Medium bronze	anod.	Y	2	M5x45	1 Piece(s)	780588
	R05.4	Dark bronze	powd-c	Y	2	M5x45	1 Piece(s)	780589
	R05.5	Bronze	anod.	Y	2	M5x45	1 Piece(s)	780590
	R06.2M	Jet black, matt	powd-c	Y	2	M5x45	1 Piece(s)	787003
	R07.2	Traffic white	powd-c	Y	2	M5x45	1 Piece(s)	780591
	R07.3	Cream	powd-c	Y	2	M5x45	1 Piece(s)	780592

43	R01.1	Natural silver	anod.	Y	2	M5x50	1 Piece(s)	780593
	R01.2	Nickel silver	anod.	Y	2	M5x45	1 Piece(s)	786730
	R01.3	Titanium	anod.	Y	2	M5x50	1 Piece(s)	780594
	R01.5	Silver	powd-c	Y	2	M5x50	1 Piece(s)	786755
	R02.2	Anthracite grey	powd-c	Y	2	M5x50	1 Piece(s)	820798
	R04.4	Black brown	powd-c	Y	2	M5x50	1 Piece(s)	796930
	R05.3	Medium bronze	anod.	Y	2	M5x50	1 Piece(s)	780595
	R05.4	Dark bronze	powd-c	Y	2	M5x50	1 Piece(s)	780596
	R05.5	Bronze	anod.	Y	2	M5x50	1 Piece(s)	780597
	R06.2M	Jet black, matt	powd-c	Y	2	M5x50	1 Piece(s)	787004
	R07.2	Traffic white	powd-c	Y	2	M5x50	1 Piece(s)	780598
	R07.3	Cream	powd-c	Y	2	M5x50	1 Piece(s)	780599

9.2.4 Half-set on the inside – with square spindle





Product description

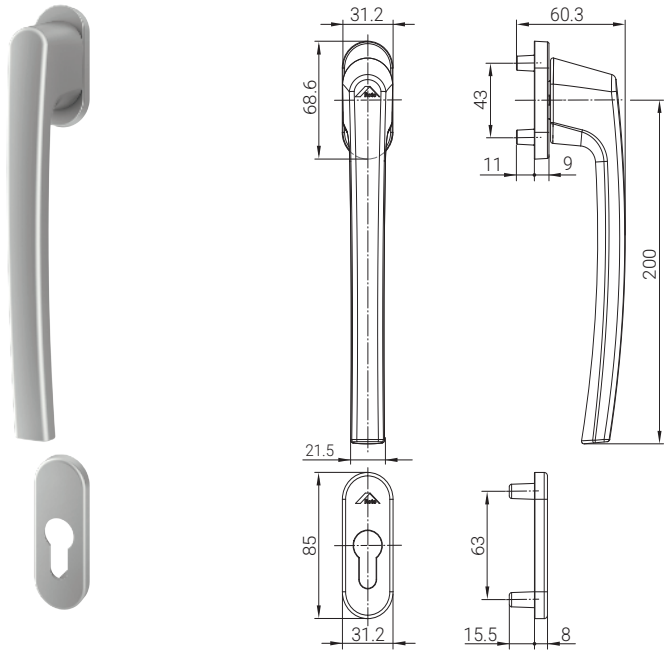
- Inside: standard handle with profile cylinder escutcheon
- Handle length 200 mm
- Concealed screw fixing
- 180° lock-in position

Scope of delivery

- 1 handle with square spindle, can be shortened
- 1 profile cylinder escutcheon
- 4 fixing screws, can be shortened

					#			№
118	Natural silver	R01.1	anod.	N	4	M5x110	1 Piece(s)	2021304
	Jet black, matt	R06.2M	powd-c	N	4	M5x110	1 Piece(s)	2021305
	Traffic white	R07.2	powd-c	N	4	M5x110	1 Piece(s)	2021306

9.2.5 Half-set on the outside – without square spindle



Product description

- Outside: standard handle with profile cylinder escutcheon
- Handle length 200 mm
- 180° lock-in position

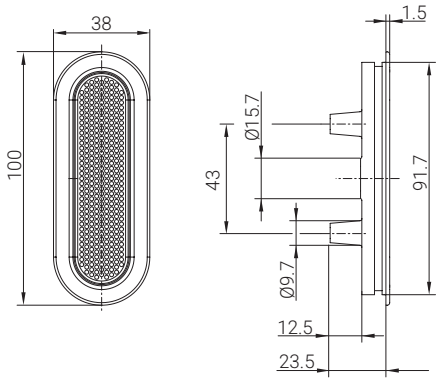
Scope of delivery

- 1 handle
- 1 profile cylinder escutcheon

Roto			Roto	#			№
R01.1	Natural silver	anod.	Y	–	–	1 Piece(s)	2021307
R02.2	Anthracite grey	anod.	Y	–	–	1 Piece(s)	2036639
R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2021308
R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2021309

9.2.6 Recessed grip – oval





Product description

- Can be routed in

Scope of delivery

- 1 recessed grip

Recessed grip without domed section

	Roto			Roto	#			№
43	R01.1	Natural silver	anod.	N	–	–	10 Piece(s)	820028
	R01.2	Nickel silver	anod.	N	–	–	10 Piece(s)	820029
	R01.3	Titanium	anod.	N	–	–	10 Piece(s)	820030
	R01.5	Silver	powd-c	N	–	–	10 Piece(s)	820031
	R05.3	Medium bronze	anod.	N	–	–	10 Piece(s)	820033
	R05.4	Dark bronze	powd-c	N	–	–	10 Piece(s)	820034
	R05.5	Bronze	anod.	N	–	–	10 Piece(s)	820055
	R06.2M	Jet black, matt	powd-c	N	–	–	10 Piece(s)	820070
	R07.2	Traffic white	powd-c	N	–	–	10 Piece(s)	820057
	R07.3	Cream	powd-c	N	–	–	10 Piece(s)	820058
	R00.0	Uncoated	–	N	–	–	10 Piece(s)	820059

Roto Patio Inline





Roto Square

Pop-up	258

Roto Line

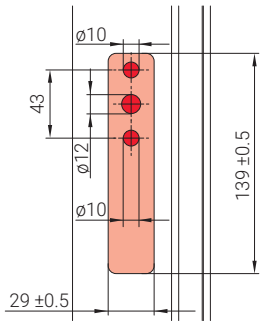
Possible combination	259
Half-set on the inside	260
Half-set on the outside	263
Recessed grip – oval	266
Pop-up	267
Pop-up, lockable	268
Pop-up – retractable handle	269
Accessories	270

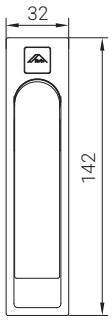
10 Roto Patio Inline

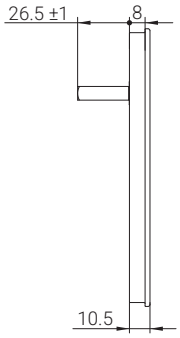
10.1 Roto Square

10.1.1 Pop-up









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

Product description

- Ideal solution when sliding sashes overlap
- Virtually flush with the surface of the profile
- Minimum effort required for turning
- Can be retracted into the original position

Scope of delivery

- 1 handle

21.5	8	R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2034678
	8	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2034719
26.5	8	R01.1	Natural silver	anod.	Y	–	–	1 Piece(s)	2034723
	8	R03.4	Stainless-steel design	–	Y	–	–	1 Piece(s)	2034726
	8	R04.1	Grey brown	powd-c	Y	–	–	1 Piece(s)	2034722
	8	R04.4	Black brown	powd-c	Y	–	–	1 Piece(s)	2034727
	8	R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	2034721
	8	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	2034720

10.2 Roto Line

10.2.1 Possible combination

Roto Line sliding handles offer customers the greatest possible flexibility in use: three interior handle versions and four exterior handle versions can be combined according to customers' individual tastes. Every handle version is available in seven standard colours or uncoated. This allows different colours to be combined for inside and outside.

Roto Line sliding handles also impress with their optimised technology and the outstanding stability achieved by the metal operating lever.

Installation is simple: use the components from the accessory box to connect the interior handle to the exterior handle. For security purposes, the mount for the exterior handle is concealed to prevent the handle being removed.

You can use this three-part system for profile depths of 38–77 mm.

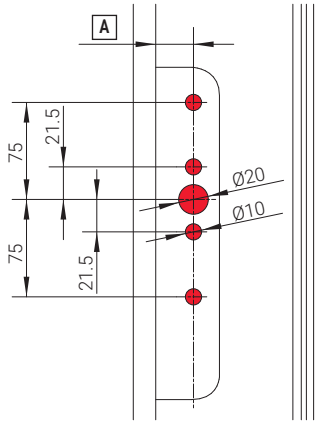
Different accessory boxes have to be used depending on the required handle combination:

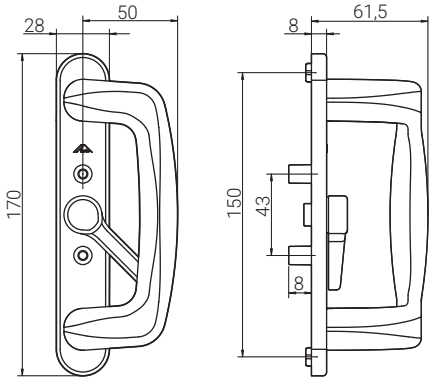
Interior handle / exterior handle			
	→ *10.2.8.1 "Accessory box type 1" from page 270*	→ *10.2.8.1 "Accessory box type 1" from page 270*	→ *10.2.8.1 "Accessory box type 1" from page 270*
	→ *10.2.8.2 "Accessory box type 2" from page 271*	→ *10.2.8.2 "Accessory box type 2" from page 271*	→ *10.2.8.2 "Accessory box type 2" from page 271*
	→ *10.2.8.2 "Accessory box type 2" from page 271*	→ *10.2.8.2 "Accessory box type 2" from page 271*	→ *10.2.8.2 "Accessory box type 2" from page 271*
	–	–	→ *10.2.8.3 "Accessory box type 3" from page 271*

10.2.2 Half-set on the inside

Without cylinder with lever







Assignment	Meaning
[A]	Backset

Product description

- Short plate
- Simple locking via lever

Scope of delivery

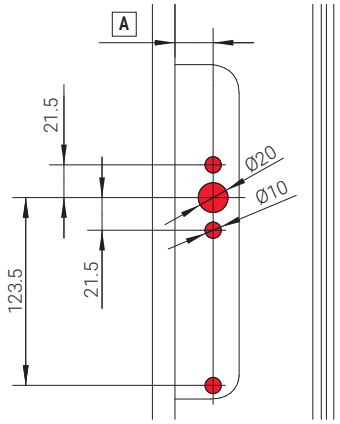
- 1 handle

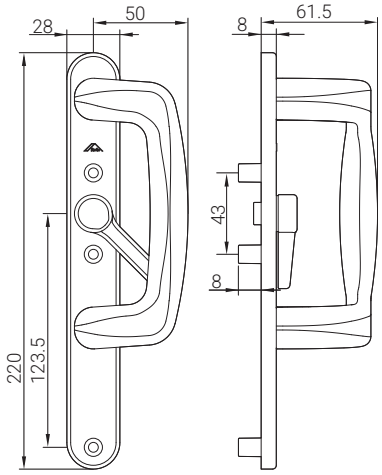
Roto			Roto	#			№
R01.5	Silver	powd-c	Y	–	–	1 Piece(s)	613222
R03.2	Gold	–	Y	–	–	1 Piece(s)	613223
R04.1	Grey brown	powd-c	Y	–	–	1 Piece(s)	613224
R06.2	Jet black	powd-c	Y	–	–	1 Piece(s)	613225
R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	613226
R07.3	Cream	powd-c	Y	–	–	1 Piece(s)	613227
R00.0	Uncoated	–	Y	–	–	1 Piece(s)	613228

INFO
The uncoated handle is not supplied assembled.

Without cylinder, with lever and long plate







Assignment	Meaning
[A]	Backset

Product description

- Long plate
- Simple locking via lever

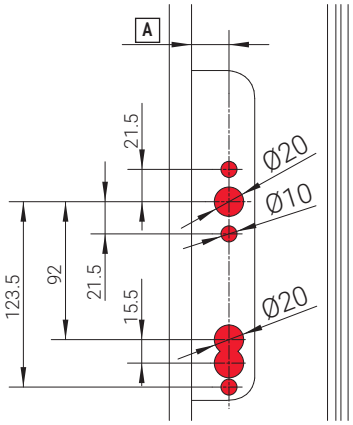
Scope of delivery

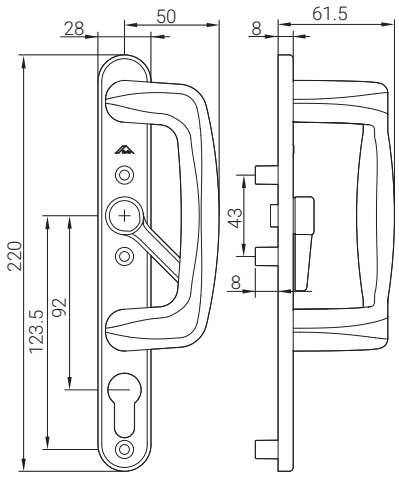
- 1 handle

Roto			Roto	#			№
R01.5	Silver	powd-c	Y	–	–	1 Piece(s)	613230
R04.1	Grey brown	powd-c	Y	–	–	1 Piece(s)	613232
R06.2	Jet black	powd-c	Y	–	–	1 Piece(s)	613233
R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	613234

With cylinder and lever







Assignment	Meaning
[A]	Backset

Product description

- Long plate
- Simple locking via lever
- Designed for profile cylinders

Scope of delivery

- 1 handle

INFO
Profile cylinder is not included in the scope of delivery.

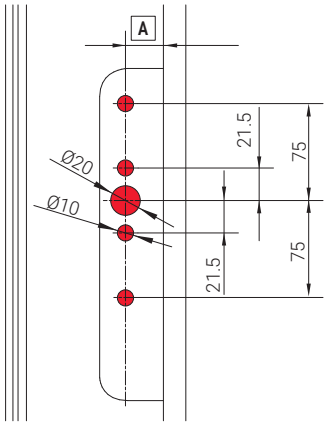
Roto			Roto	#			№
R01.5	Silver	powd-c	Y	–	–	1 Piece(s)	613239
R04.1	Grey brown	powd-c	Y	–	–	1 Piece(s)	613241
R06.2	Jet black	powd-c	Y	–	–	1 Piece(s)	613242
R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	613243
R07.3	Cream	powd-c	Y	–	–	1 Piece(s)	613244
R00.0	Uncoated	–	Y	–	–	1 Piece(s)	613245

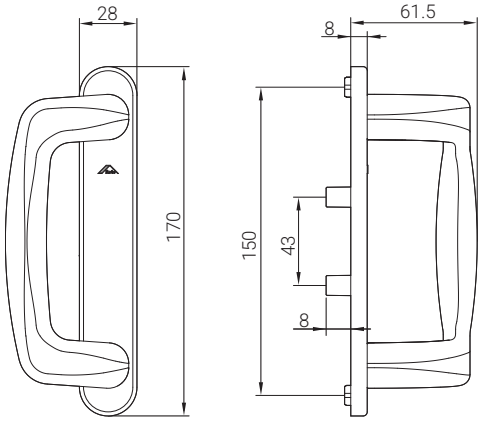
INFO
The uncoated handle is not supplied assembled.

10.2.3 Half-set on the outside

Without cylinder







Assignment	Meaning
[A]	Backset

Product description

- Short plate

Scope of delivery

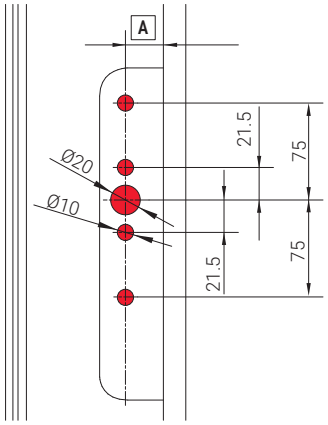
- 1 handle

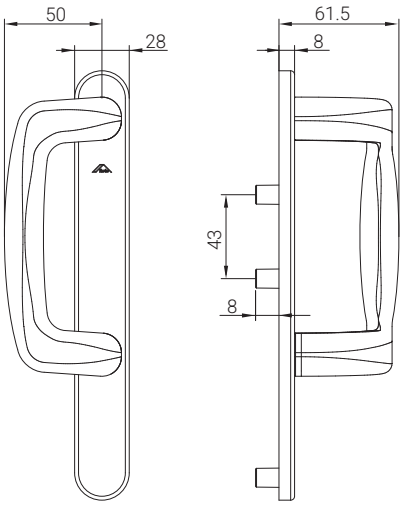
Roto			Roto	#			№
R01.5	Silver	powd-c	Y	–	–	1 Piece(s)	613187
R04.1	Grey brown	powd-c	Y	–	–	1 Piece(s)	613189
R06.2	Jet black	powd-c	Y	–	–	1 Piece(s)	613190
R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	613191
R00.0	Uncoated	–	Y	–	–	1 Piece(s)	613193

INFO
The uncoated handle is not supplied assembled.

Without cylinder, with long plate







Assignment	Meaning
[A]	Backset

Product description

- Long plate

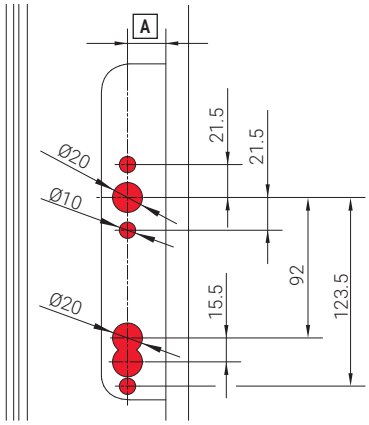
Scope of delivery

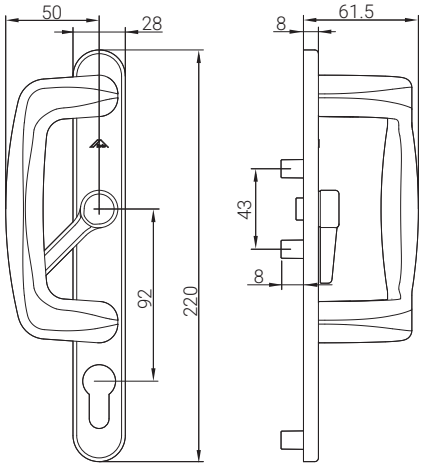
- 1 handle

Roto			Roto	#			№
R01.5	Silver	powd-c	Y	–	–	1 Piece(s)	613195
R04.1	Grey brown	powd-c	Y	–	–	1 Piece(s)	613197
R06.2	Jet black	powd-c	Y	–	–	1 Piece(s)	613198
R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	613199

With cylinder and lever







Assignment	Meaning
[A]	Backset

Product description

- Long plate
- Simple locking via lever
- Designed for profile cylinders

Scope of delivery

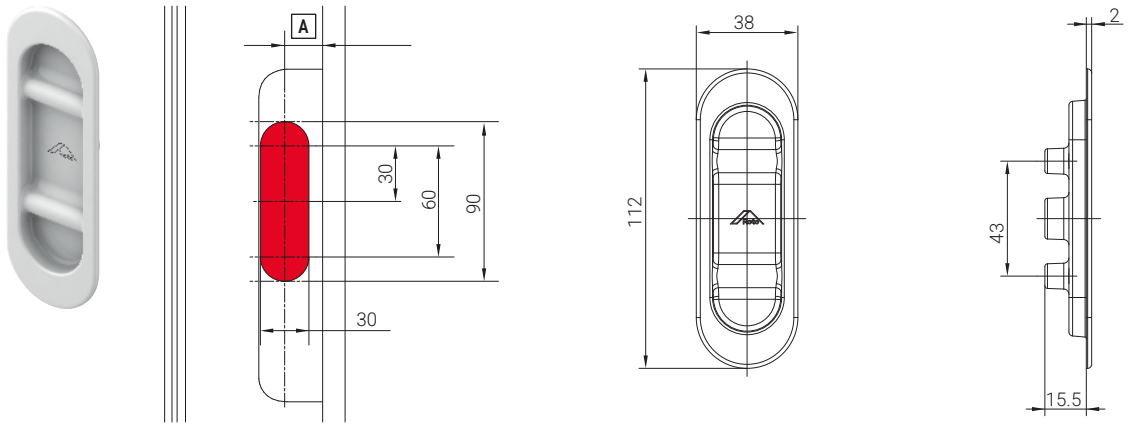
- 1 handle

INFO
Profile cylinder is not included in the scope of delivery.

Roto			Roto	#			№
R01.5	Silver	powd-c	Y	–	–	1 Piece(s)	613203
R04.1	Grey brown	powd-c	Y	–	–	1 Piece(s)	613215
R06.2	Jet black	powd-c	Y	–	–	1 Piece(s)	613216
R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	613217
R07.3	Cream	powd-c	Y	–	–	1 Piece(s)	613218
R00.0	Uncoated	–	Y	–	–	1 Piece(s)	613219

INFO
The uncoated handle is not supplied assembled.

10.2.4 Recessed grip – oval



Assignment	Meaning
[A]	Backset

Product description

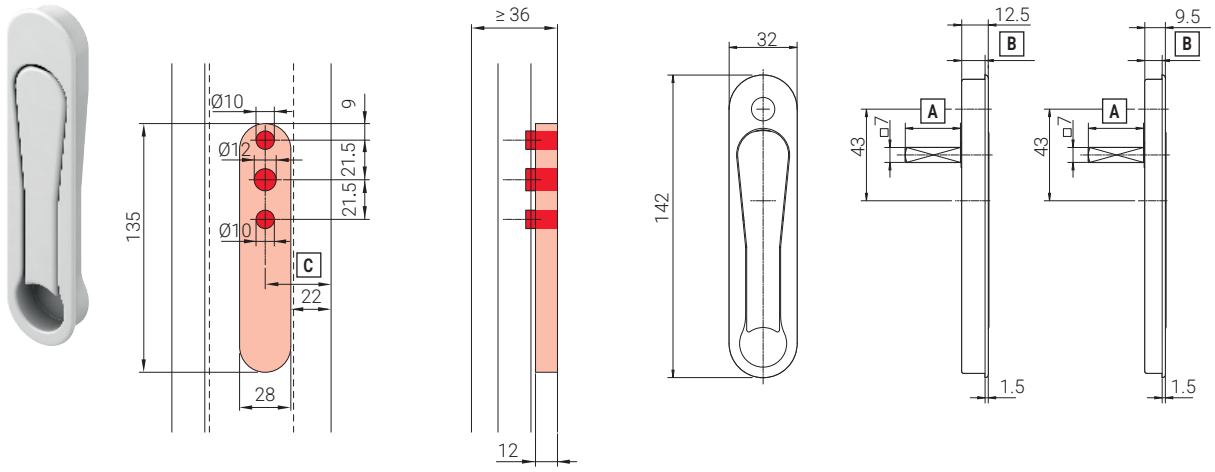
- Exterior handle
- Screw fixing with interior handle

Scope of delivery

- 1 recessed grip

43	R01.5	Silver	powd-c	Y	–	–	1 Piece(s)	613183
	R03.2	Brass, polished	met p	Y	–	–	1 Piece(s)	613184
	R04.1	Grey brown	powd-c	Y	–	–	1 Piece(s)	613185
	R06.2	Jet black	powd-c	Y	–	–	1 Piece(s)	605551
	R06.2M	Jet black, matt	powd-c	Y	–	–	1 Piece(s)	783552
	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	605543
	R07.3	Cream	powd-c	Y	–	–	1 Piece(s)	608183
	R00.0	Uncoated	–	Y	–	–	1 Piece(s)	487261

10.2.5 Pop-up



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

Product description

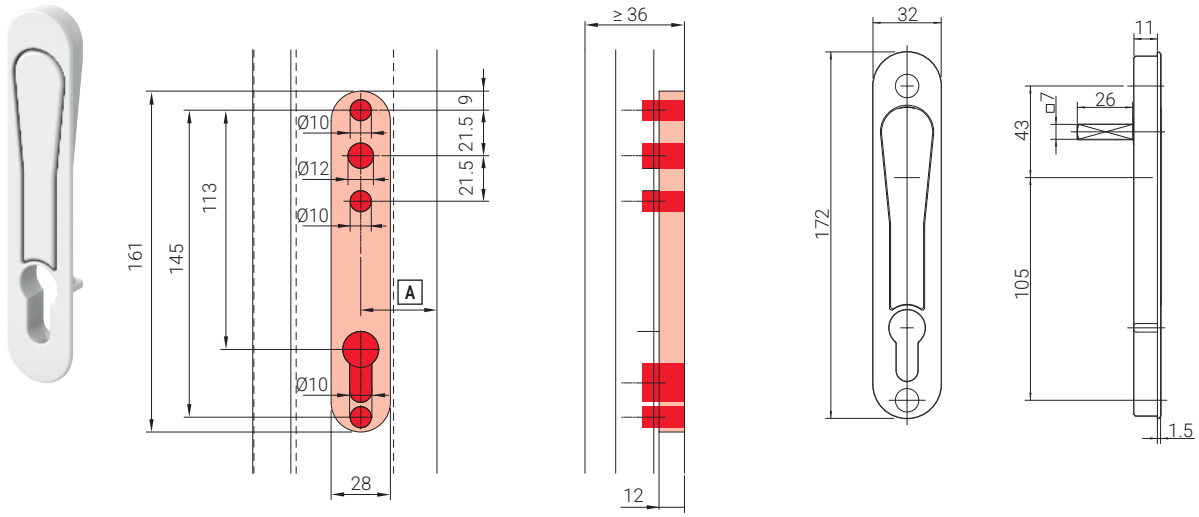
- Ideal solution when sliding sashes overlap
- Virtually flush with the surface of the profile
- Minimum effort required for turning
- Can be retracted into the original position
- Two versions: 8 mm or 11 mm deep for various thicknesses

Scope of delivery

- 1 handle

		Roto			Roto	#			№
21.5	8	R06.2	Jet black	powd-c	Y	–	–	1 Piece(s)	637960
		R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	637961
26.5		R01.1	Natural silver	–	Y	–	–	1 Piece(s)	637963
		R06.2	Jet black	powd-c	Y	–	–	1 Piece(s)	614295
		R00.0	Uncoated	–	Y	–	–	1 Piece(s)	637965
		R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	570810
21	11	R06.2	Jet black	powd-c	Y	–	–	1 Piece(s)	535466
		R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	535465
26		R04.1	Grey brown	powd-c	Y	–	–	1 Piece(s)	323277
		R06.2	Jet black	powd-c	Y	–	–	1 Piece(s)	493898
		R07.1	Pure white	powd-c	Y	–	–	1 Piece(s)	323275
		R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	312766
		R07.3	Cream	powd-c	Y	–	–	1 Piece(s)	494495
		R03.2	Gold	powd-c	Y	–	–	1 Piece(s)	323279
		R03.4	Stainless-steel design	–	Y	–	–	1 Piece(s)	323280
		SF	Special colour	powd-c	Y	–	–	1 Piece(s)	494670
		R00.0	Uncoated	–	Y	–	–	1 Piece(s)	312769
45		R06.2	Jet black	powd-c	Y	–	–	1 Piece(s)	561198
		R03.2	Gold	powd-c	Y	–	–	1 Piece(s)	561196
		R03.4	Stainless-steel design	–	Y	–	–	1 Piece(s)	561197

10.2.6 Pop-up, lockable



Assignment	Meaning
[A]	Backset

Product description

- Ideal solution when two sliding sashes overlap
- Virtually flush with the surface of the profile
- Minimum effort required for turning
- Can be retracted into the original position

Scope of delivery

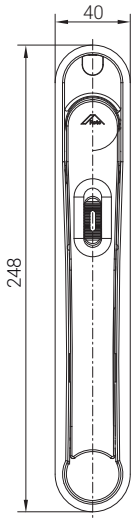
- 1 handle

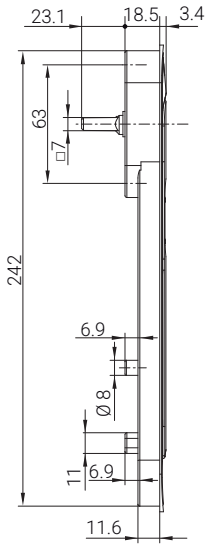
INFO
Profile cylinder is not included in the scope of delivery.

26	Stainless-steel design	R03.4	–	Y	–	–	1 Piece(s)	323287
	Traffic white	R07.2	powd-c	Y	–	–	1 Piece(s)	323282
	Grey brown	R04.1	powd-c	Y	–	–	1 Piece(s)	323283

10.2.7 Pop-up – retractable handle







Product description

- Ideal solution when two sliding sashes overlap
- Virtually flush with the surface of the profile
- Minimum effort required for turning
- Can be retracted into the original position
- Patented mechanism

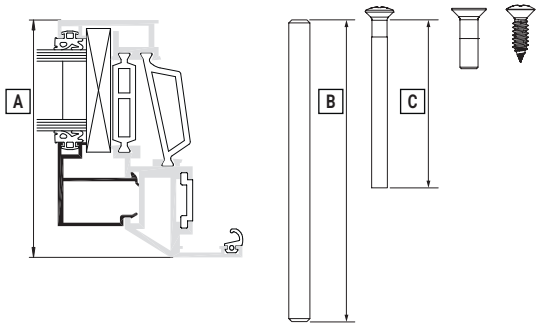
Scope of delivery

- 1 handle

20	R01.5	Silver	powd-c	Y	–	–	1 Piece(s)	489867
	R07.2	Traffic white	powd-c	Y	–	–	1 Piece(s)	489865

10.2.8 Accessories





Assignment	Meaning
[A]	Sash profile depth (AL by way of example)
[B]	Length 1 (square spindle)
[C]	Length 2 (pan-head screws)

Product description

- Accessories for connecting the exterior handle to the interior handle

Scope of delivery for type 1

- 1 square spindle
- 2 pan-head screws; screw fixing of interior handle to exterior handle
- 1 pan-head screw; bottom screw hole when long and short handles are combined (no screw hole on the opposite side).
- 2 countersunk screws; attaching the pull handle to the plate

Scope of delivery for type 2

- 1 square spindle
- 3 pan-head screws; screw fixing of interior handle to exterior handle
- 1 pan-head screw; bottom screw hole when long and short handles are combined (no screw hole on the opposite side).
- 4 countersunk screws; attaching the pull handle to the plate

Scope of delivery for type 3

- 1 square spindle
- 3 pan-head screws; screw fixing of interior handle to exterior handle
- 4 countersunk screws; attaching the pull handle to the plate

10.2.8.1 Accessory box type 1

		№
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

Length 1 Square spindle [B]
Length 2 Raised countersunk head screws [C]

10.2.8.2 Accessory box type 2

		№
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

Length 1 Square spindle [B]
Length 2 Raised countersunk head screws [C]

10.2.8.3 Accessory box type 3

		№
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

Length 1 Square spindle [B]
Length 2 Raised countersunk head screws [C]

Roto Safe





Roto Square

Plate 30 x 245 mm – half-set on the inside	276
Plate 30 x 245 mm – half-set on the outside	277
Accessory set	278

Roto Line

Door leaf thickness 56 – 70 mm	279
Door leaf thickness 58 – 62 mm	283
Door leaf thickness 87 – 92 mm	284
Door leaf thickness 97 – 107 mm	287

Roto Samba

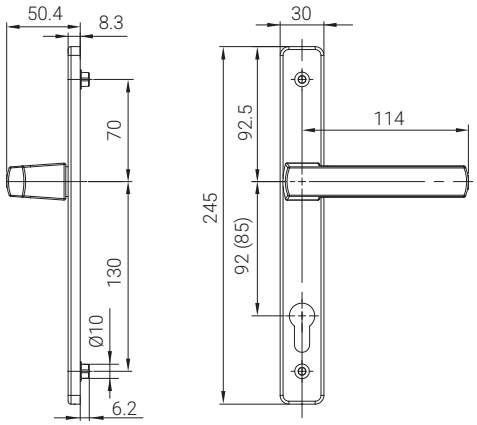
Door leaf thickness 62 – 70 mm / 87 – 92 mm	288
Door leaf thickness 67 – 97 mm	290

11 Roto Safe

11.1 Roto Square

11.1.1 Plate 30 x 245 mm – half-set on the inside





Product description

- Half-set
- Profile cylinder hole
- Balcony doors and main doors

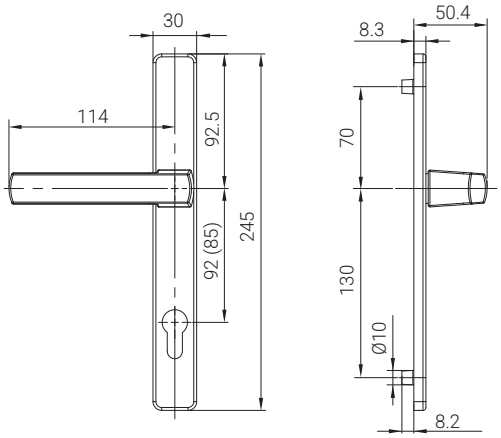
Scope of delivery

- 1 standard internal lever handle

85	–	R01.1	Natural silver	anod.	Y	–	–	Piece(s)	2048971
	–	R01.3	Titanium	anod.	Y	–	–	Piece(s)	2055086
	–	R05.5	Bronze	anod.	Y	–	–	Piece(s)	2048974
	–	R06.2M	Jet black, matt	powd-c	Y	–	–	Piece(s)	2048973
	–	R07.2	Traffic white	powd-c	Y	–	–	Piece(s)	2048972
92	–	R01.1	Natural silver	anod.	Y	–	–	Piece(s)	2048961
	–	R01.3	Titanium	anod.	Y	–	–	Piece(s)	2048964
	–	R05.5	Bronze	anod.	Y	–	–	Piece(s)	2048965
	–	R06.2M	Jet black, matt	powd-c	Y	–	–	Piece(s)	2048963
	–	R07.2	Traffic white	powd-c	Y	–	–	Piece(s)	2048962

11.1.2 Plate 30 x 245 mm – half-set on the outside





Product description

- Half-set
- Profile cylinder hole
- Balcony doors and main doors

Scope of delivery

- 1 external lever handle, standard

85	–	R01.1	Natural silver	anod.	Y	–	–	Piece(s)	2048975
	–	R01.3	Titanium	anod.	Y	–	–	Piece(s)	2055087
	–	R05.5	Bronze	anod.	Y	–	–	Piece(s)	2048978
	–	R06.2M	Jet black, matt	powd-c	Y	–	–	Piece(s)	2048977
	–	R07.2	Traffic white	powd-c	Y	–	–	Piece(s)	2048976
92	–	R01.1	Natural silver	anod.	Y	–	–	Piece(s)	2048966
	–	R01.3	Titanium	anod.	Y	–	–	Piece(s)	2048969
	–	R05.5	Bronze	anod.	Y	–	–	Piece(s)	2048970
	–	R06.2M	Jet black, matt	powd-c	Y	–	–	Piece(s)	2048968
	–	R07.2	Traffic white	powd-c	Y	–	–	Piece(s)	2048967

11.1.3 Accessory set

Application

Door leaf thickness	Spindle length	Distance	Screws
52 – 60 mm	130	85 and 92	M5 x 65
62 – 70 mm	140	85 and 92	M5 x 75
72 – 80 mm	150	85 and 92	M5 x 85

Scope of delivery

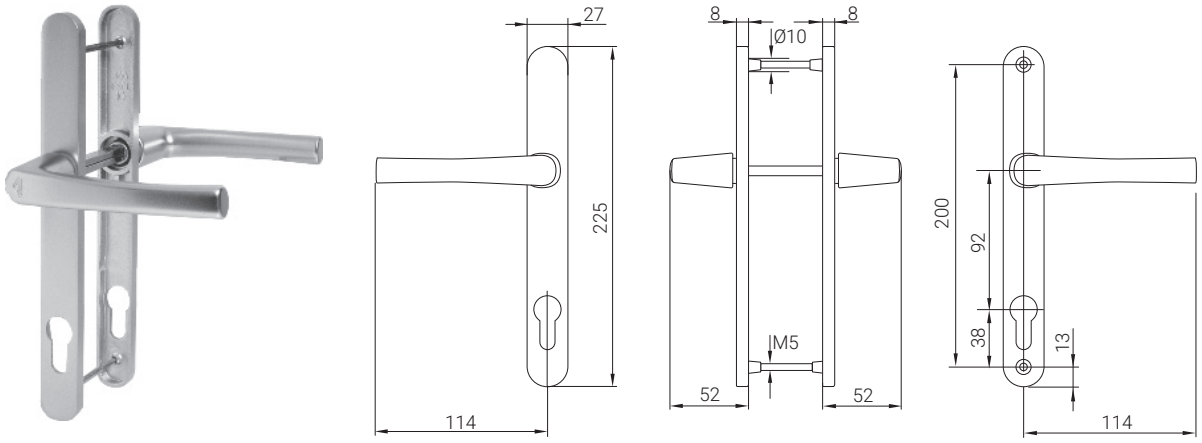
- 1 square spindle: 8 mm
- Screws: see table

	#		Roto		i	№
130	2	M5x65	R01.1	Natural silver	Can also be used for titanium (R01.3)	2055368
	2	M5x65	R05.5	Bronze	–	2055367
	2	M5x65	R06.2M	Jet black, matt	–	2055366
	2	M5x65	R07.2	Traffic white	–	2055364
140	2	M5x75	R01.1	Natural silver	Can also be used for titanium (R01.3)	2056555
	2	M5x75	R05.5	Bronze	–	2056558
	2	M5x75	R06.2M	Jet black, matt	–	2056557
	2	M5x75	R07.2	Traffic white	–	2056556
150	2	M5x85	R01.1	Natural silver	Can also be used for titanium (R01.3)	2055363
	2	M5x85	R05.5	Bronze	–	2055362
	2	M5x85	R06.2M	Jet black, matt	–	2055361
	2	M5x85	R07.2	Traffic white	–	2048979

11.2 Roto Line

11.2.1 Door leaf thickness 56 – 70 mm

11.2.1.1 NDHS 27 x 225 mm



Product description

- Narrow door handle set (lever handle / lever handle)
- Profile cylinder hole
- Balcony doors and main doors

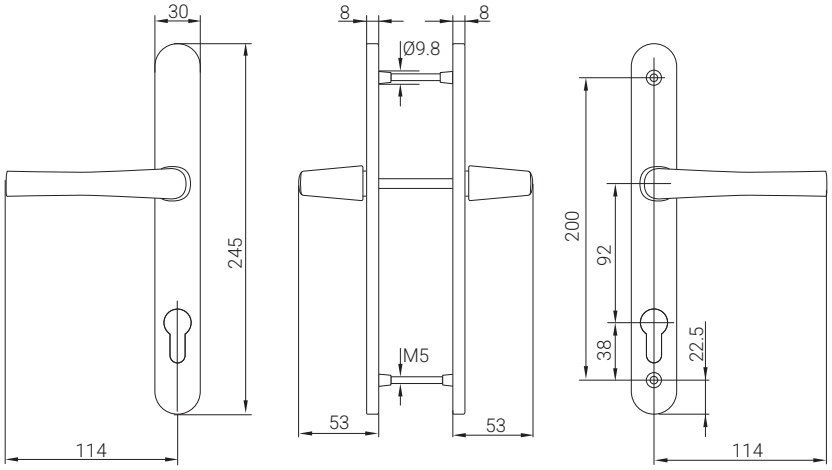
Scope of delivery

- 1 handle set
- 1 square spindle: 8 mm
- 2 fixing screws

92	130	R01.4	–	Chromium	2	M5x90	10 Piece(s)	392252

11.2.1.2 NDHS 30 x 245 mm





Product description

- Narrow door handle set (lever handle / lever handle)
- Profile cylinder hole
- Balcony doors and main doors

Scope of delivery

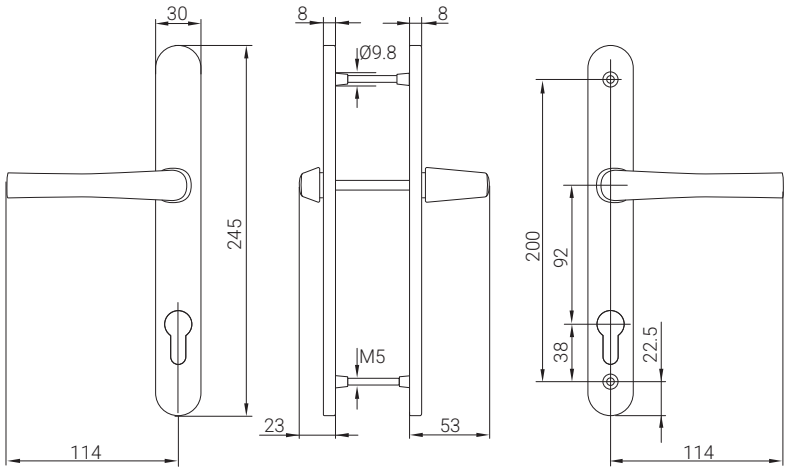
- 1 handle set
- 1 square spindle: 8 mm
- 4 fixing screws

INFO
The uncoated door lever handle set does not come assembled.

92	130	R01.3	–	Titanium	2	M5x65 M5x75	24 Piece(s)	333215
	130	R01.1	–	Natural silver	2	M5x65 M5x75	24 Piece(s)	319782
	130	R03.3	–	Gold	2	M5x65 M5x75	24 Piece(s)	319953
	130	R04.1	RAL 8019	Grey brown	2	M5x65 M5x75	24 Piece(s)	340317
	130	R04.4	RAL 8022	Black brown	2	M5x65 M5x75	24 Piece(s)	730429
	130	R05.5	–	Bronze	2	M5x65 M5x75	24 Piece(s)	553488
	130	R06.4M	–	Black, matt	2	M5x65 M5x75	24 Piece(s)	319955
	130	R07.2	RAL 9016	Traffic white	2	M5x65 M5x75	24 Piece(s)	319954
	130	R07.3	RAL 9001	Cream	2	M5x65 M5x75	24 Piece(s)	340318
	130	R00.0	–	Uncoated	2	M5x65 M5x75	30 Piece(s)	322928

11.2.1.3 NDHS 30 x 245 mm – flat external lever handle





Product description

- Narrow door handle set (lever handle / flat lever handle)
- For balcony doors with roller shutters, sun screen, blinds and insect screen

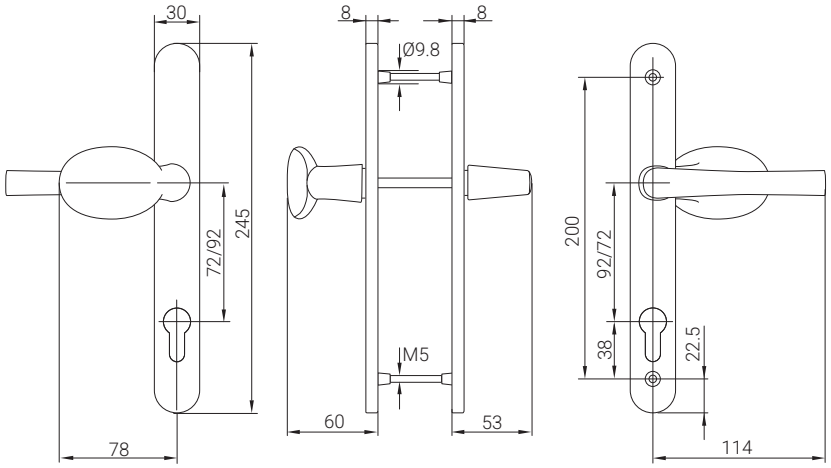
Scope of delivery

- 1 standard internal lever handle
- 1 flat external lever handle
- 1 square spindle: 8 mm
- 2 fixing screws

92	130	R01.3	–	Titanium	2	M5x80	24 Piece(s)	340493
	130	R01.1	–	Natural silver	2	M5x80	24 Piece(s)	337615
	130	R04.1	RAL 8019	Grey brown	2	M5x80	24 Piece(s)	501397
	130	R06.4M	–	Jet black, matt	2	M5x80	24 Piece(s)	337618
	130	R07.2	RAL 9016	Traffic white	2	M5x80	24 Piece(s)	337617

11.2.1.4 Plate 30 x 245 mm





Product description

- Combined knob and lever handle set (lever handle / fixed knob)
- Profile cylinder hole
- Balcony doors and main doors

Scope of delivery

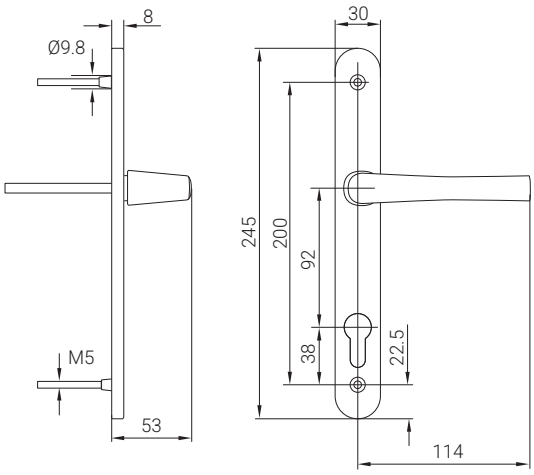
- 1 handle set
- 1 square spindle: 8 mm
- 4 fixing screws

92	90	R01.3	–	Titanium	2	M5x65 M5x75	10 Piece(s)	340486
	90	R01.1	–	Natural silver	2	M5x65 M5x75	10 Piece(s)	340320
	90	R04.1	RAL 8019	Grey brown	2	M5x65 M5x75	10 Piece(s)	340322
	90	R06.2	RAL 9005	Jet black	2	M5x65 M5x75	10 Piece(s)	340485
	90	R07.2	RAL 9016	Traffic white	2	M5x65 M5x75	10 Piece(s)	340484

11.2.2 Door leaf thickness 58 – 62 mm

11.2.2.1 Plate 30 x 245 mm





Product description

- Half-set
- Profile cylinder hole
- Balcony doors and main doors

Scope of delivery

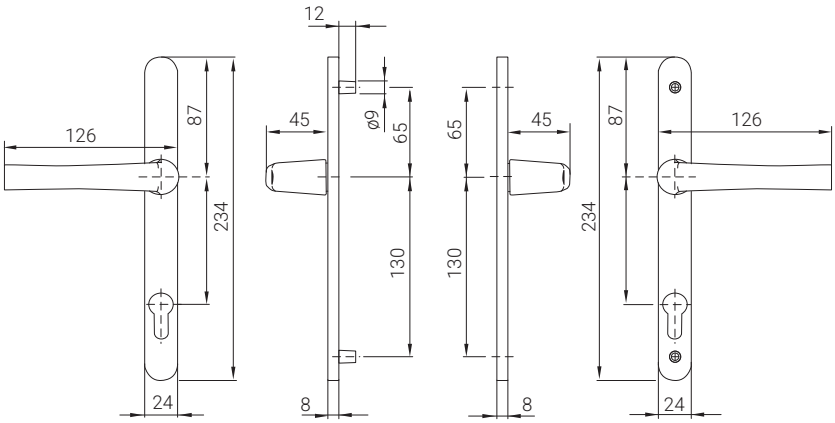
- 1 standard internal lever handle
- 1 square spindle: 8 mm
- 2 fixing screws

					#			№
92	80	R01.3	–	Titanium	2	M5x70	72 Piece(s)	333216
	80	R01.1	–	Natural silver	2	M5x70	72 Piece(s)	337620
	80	R04.1	RAL 8019	Black brown	2	M5x70	72 Piece(s)	346931
	80	R06.4M	–	Black, matt	2	M5x70	72 Piece(s)	337623
	80	R07.2	RAL 9016	Traffic white	2	M5x70	72 Piece(s)	337622

11.2.3 Door leaf thickness 87 – 92 mm

11.2.3.1 Plate 24 x 234 mm





Product description

- Narrow door handle set (lever handle / lever handle)
- Square spindle also suitable for door leaf thickness of 76 – 82 mm (can be shortened)
- Profile cylinder hole
- Balcony doors and main doors

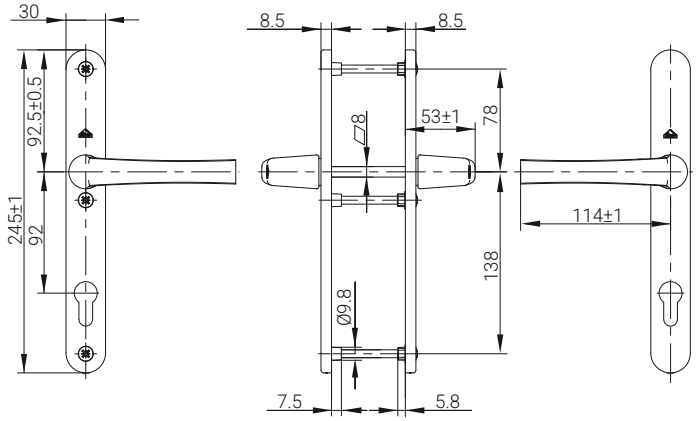
Scope of delivery

- 1 handle set
- 1 square spindle: 8 mm
- 4 fixing screws

92	140	R01.1	–	Natural silver	2	M4x100 M4x90	24 Piece(s)	788613
	140	R01.3	–	Titanium	2	M4x100 M4x90	24 Piece(s)	820737

11.2.3.2 Plate 30 x 245 mm





Product description

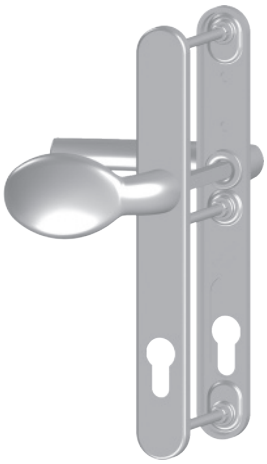
- Narrow door handle set (lever handle / lever handle)
- Profile cylinder hole
- Balcony doors and main doors

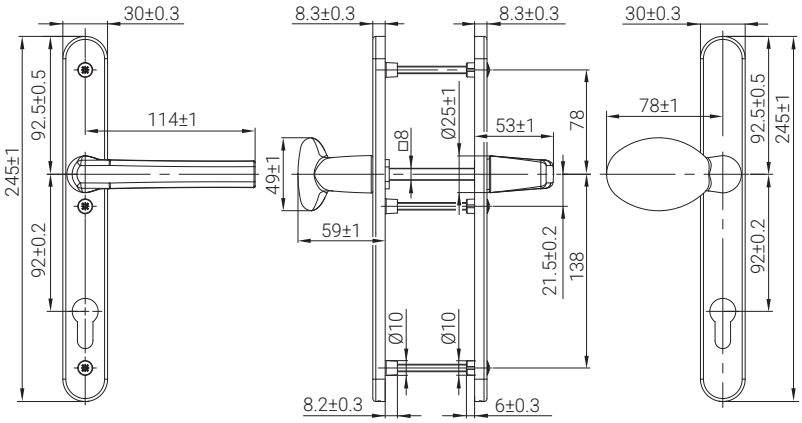
Scope of delivery

- 1 handle set
- 1 square spindle: 8 mm
- 3 fixing screws

92	160	R01.3	–	Titanium	3	M6x100	24 Piece(s)	625036
	160	R01.1	–	Natural silver	3	M6x100	24 Piece(s)	629854
	160	R04.1	RAL 8019	Grey brown	3	M6x100	24 Piece(s)	627767
	160	R04.4	RAL 8022	Black brown	3	M6x100	24 Piece(s)	798256
	160	R04.6	RAL 8077	Dark brown	3	M6x100	24 Piece(s)	771400
	160	R05.3	–	Medium bronze	3	M6x100	24 Piece(s)	632054
	160	R05.5	–	Bronze	3	M6x100	24 Piece(s)	627769
	160	R07.2	RAL 9016	Traffic white	3	M6x100	24 Piece(s)	627766

11.2.3.3 Plate 30 x 245 mm





Product description

- Combined knob and lever handle set (lever handle / fixed knob)
- Profile cylinder hole
- Balcony doors and main doors

Scope of delivery

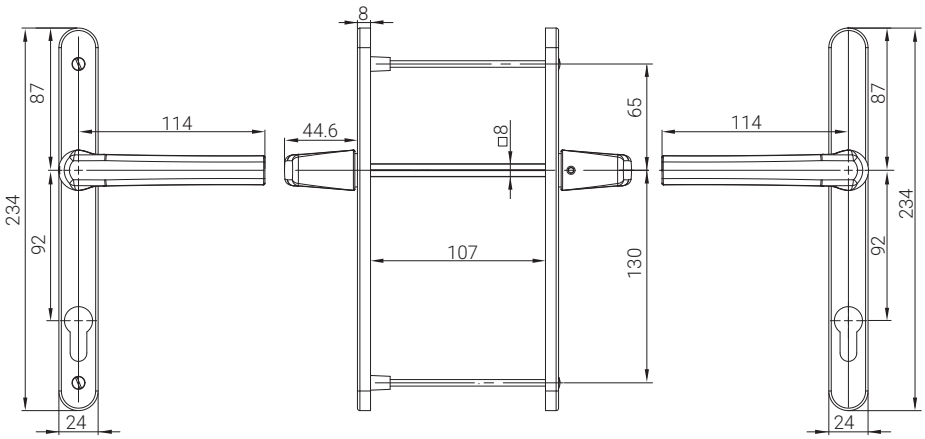
- 1 handle set
- 1 square spindle: 8 mm
- 3 fixing screws

		Roto			#			№
92	120	R01.3	–	Titanium	3	M6x100	10 Piece(s)	625038
	120	R01.5	–	Silver	3	M6x100	10 Piece(s)	629850
	120	R04.1	RAL 8019	Grey brown	3	M6x100	10 Piece(s)	625042
	120	R05.5	–	Bronze	3	M6x100	10 Piece(s)	625043
	120	R07.2	RAL 9016	Traffic white	3	M6x100	10 Piece(s)	625041

11.2.4 Door leaf thickness 97 – 107 mm

11.2.4.1 Plate 24 x 234 mm





Product description

- Narrow door handle set (lever handle / lever handle)
- Profile cylinder hole
- Balcony doors and main doors

Scope of delivery

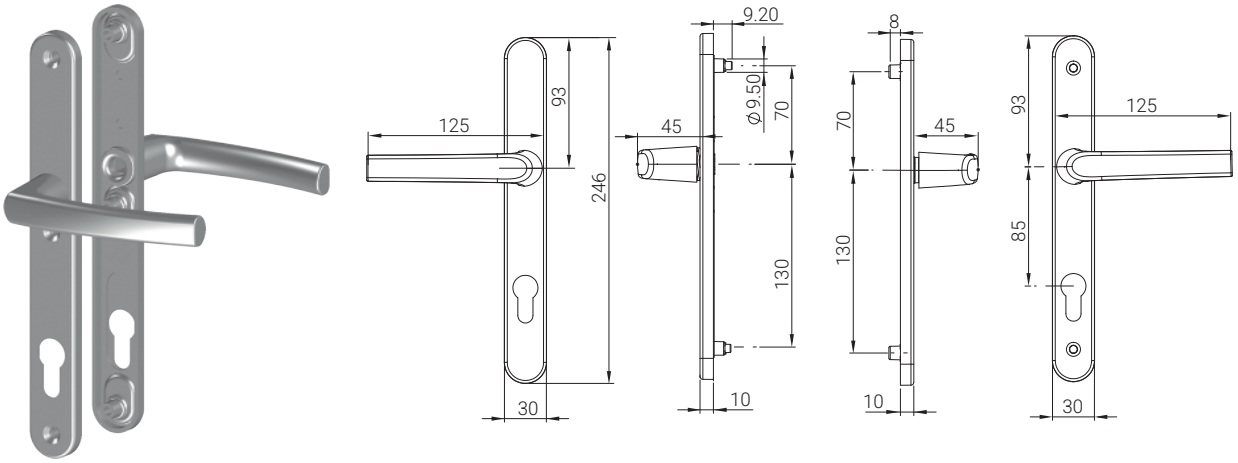
- 1 handle set
- 1 square spindle: 8 mm
- 2 fixing screws

92	R01.1	–	Natural silver	2	M4x110	24 Piece(s)	815061
	R01.3	–	Titanium	2	M4x110	24 Piece(s)	815063

11.3 Roto Samba

11.3.1 Door leaf thickness 62 – 70 mm / 87 – 92 mm

11.3.1.1 Plate 30 x 246 mm



Product description

- Narrow door handle set (lever handle / lever handle)
- Profile cylinder hole
- Balcony doors and main doors

Scope of delivery

- 1 door handle set
- 2 square spindles
  Door leaf thickness 62 – 70 mm: 8 x 115 mm
  Door leaf thickness 87 – 92 mm: 8 x 140 mm
- 4 fixing screws

				#			№
85	R01.1	–	Natural silver	2	M5x75 M5x95	20 Piece(s)	800289
	R01.2	–	Nickel silver	2	M5x75 M5x95	20 Piece(s)	800290
	R01.3	–	Titanium	2	M5x75 M5x95	20 Piece(s)	800291
	R03.1	–	Brass matt	2	M5x75 M5x95	20 Piece(s)	800292
	R04.4	RAL 8022	Black brown	2	M5x75 M5x95	20 Piece(s)	800288
	R05.3	–	Medium bronze	2	M5x75 M5x95	20 Piece(s)	800293
	R07.2	RAL 9016	Traffic white	2	M5x75 M5x95	20 Piece(s)	800287

				#			№
92	R01.1	–	Natural silver	2	M5x75 M5x95	20 Piece(s)	798946
	R01.2	–	Nickel silver	2	M5x75 M5x95	20 Piece(s)	798947
	R01.3	–	Titanium	2	M5x75 M5x95	20 Piece(s)	798948
	R03.1	–	Brass matt	2	M5x75 M5x95	20 Piece(s)	798949
	R04.4	RAL 8022	Black brown	2	M5x75 M5x95	20 Piece(s)	798951
	R05.5	–	Bronze	2	M5x75 M5x95	20 Piece(s)	798950
	R07.2	RAL 9016	Traffic white	2	M5x75 M5x95	20 Piece(s)	798945

INFO

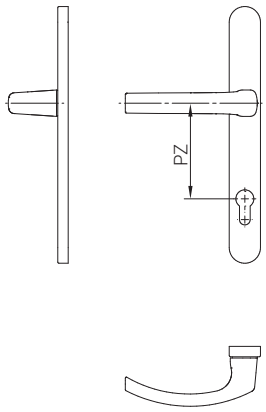
When using an 8 x 115 square spindle, use M5 x 75 screws.

When using an 8 x 140 square spindle, use M5 x 95 screws.

11.3.2 Door leaf thickness 67 – 97 mm

11.3.2.1 Plate 30 x 247 mm – half-set on the inside – lever handle





Product description

- Half-set (on the inside, lever handle)
- Profile cylinder hole

  Can be combined with half-set with lever handle on the outside or half-set with knob on the outside
- Balcony doors and main doors

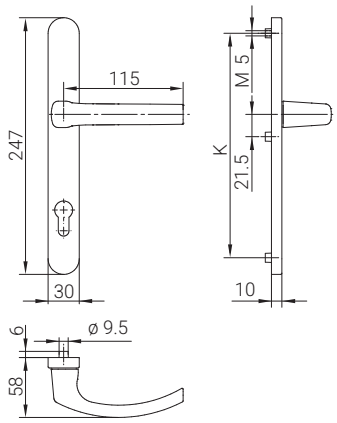
Scope of delivery

- 1 door handle

92	R01.7	RAL 9007	Grey aluminium	72 Piece(s)	766016
	R01.11	RAL 9006	White aluminium	72 Piece(s)	766015
	R02.2	RAL 7016	Anthracite grey	72 Piece(s)	765923
	R03.5	RAL 1036	Pearl gold	72 Piece(s)	766017
	R04.1	RAL 8019	Grey brown	72 Piece(s)	765922
	R04.6	RAL 8077	Dark brown	72 Piece(s)	765924
	R07.2	RAL 9016	Traffic white	72 Piece(s)	765921

Accessory set → *from page 294*

11.3.2.2 Plate 30 x 247 mm – half-set on the outside – lever handle



Product description

- Half-set (on the outside, lever handle)
- Profile cylinder hole

  Can be combined with half-set with lever handle on the inside
- Balcony doors and main doors

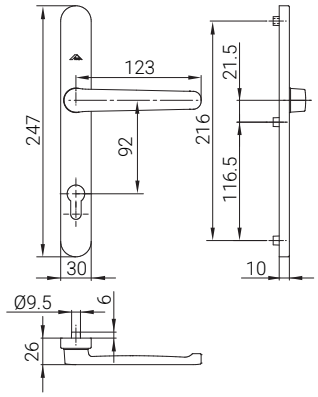
Scope of delivery

- 1 door handle

92	R01.7	RAL 9007	Grey aluminium	72 Piece(s)	764763
	R01.11	RAL 9006	White aluminium	72 Piece(s)	764762
	R02.2	RAL 7016	Anthracite grey	72 Piece(s)	764760
	R03.5	RAL 1036	Pearl gold	72 Piece(s)	764764
	R04.1	RAL 8019	Grey brown	72 Piece(s)	764759
	R04.6	RAL 8077	Dark brown	72 Piece(s)	764761
	R07.2	RAL 9016	Traffic white	72 Piece(s)	764758

Accessory set → *from page 294*

11.3.2.3 Plate 30 x 247 mm – half-set on the outside – flat lever handle



Product description

- Half-set (on the outside, flat lever handle)
- Profile cylinder hole

  Can be combined with half-set with lever handle on the inside
- Balcony doors with roller shutters, sun screen, blinds and insect screen

Scope of delivery

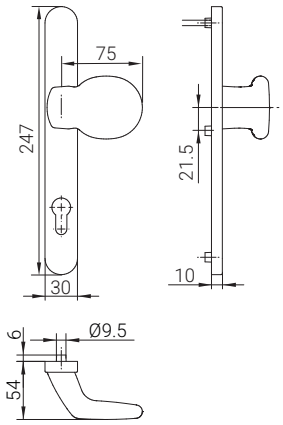
- 1 door handle

92	R01.7	RAL 9007	Grey aluminium	72 Piece(s)	821431
	R01.11	RAL 9006	White aluminium	72 Piece(s)	821430
	R02.2	RAL 7016	Anthracite grey	72 Piece(s)	821388
	R03.5	RAL 1036	Pearl gold	72 Piece(s)	821432
	R04.1	RAL 8019	Grey brown	72 Piece(s)	821387
	R04.6	RAL 8077	Dark brown	72 Piece(s)	821389
	R07.2	RAL 9016	Traffic white	72 Piece(s)	821386

Accessory set → *from page 294*

11.3.2.4 Plate 30 x 247 mm – half-set on the outside – knob





Product description

- Half-set (on the outside, knob)
- Profile cylinder hole

  Can be combined with half-set with lever handle on the inside
- Balcony doors and main doors

Scope of delivery

- 1 door handle

	Roto				№
92	R01.7	RAL 9007	Grey aluminium	72 Piece(s)	764800
	R01.11	RAL 9006	White aluminium	72 Piece(s)	764799
	R02.2	RAL 7016	Anthracite grey	72 Piece(s)	764797
	R03.5	RAL 1036	Pearl gold	72 Piece(s)	764801
	R04.1	RAL 8019	Grey brown	72 Piece(s)	764796
	R04.6	RAL 8077	Dark brown	72 Piece(s)	764798
	R07.2	RAL 9016	Traffic white	72 Piece(s)	764795

Accessory set → *from page 294*

11.3.2.5 Accessory set

Scope of delivery

- 1 square spindle: 8 mm
- Screws: see tables

Door leaf thickness 67 – 72 mm

	#		№
100	2	M5x80	765624

Door leaf thickness 67 – 77 mm

	#		№
130	2	M5x80	765621

Door leaf thickness 72 – 82 mm

	#		№
110	2	M5x90	765685

Door leaf thickness 77 – 87 mm

	#		№
140	2	M5x90	765622

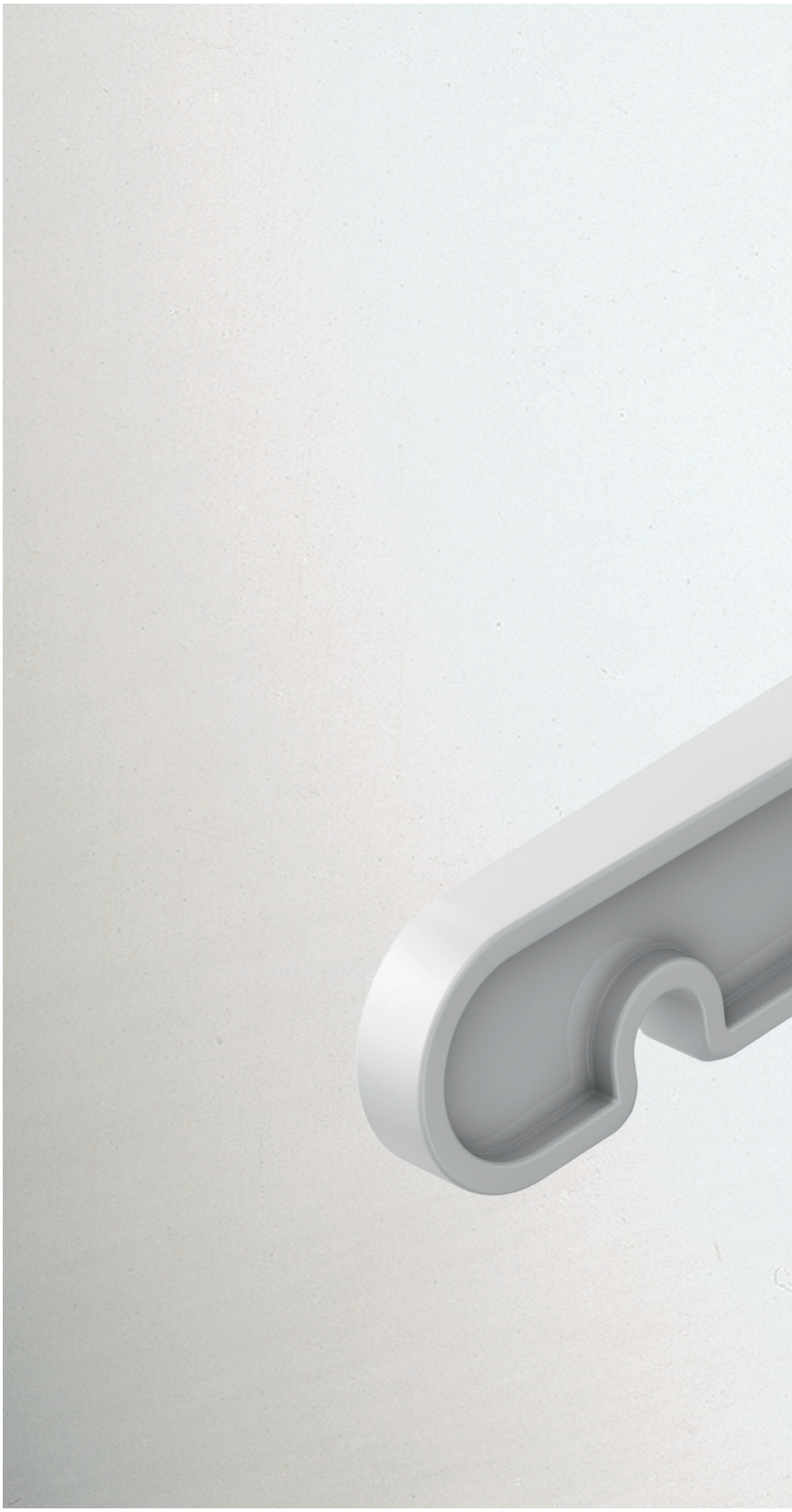
Door leaf thickness 82 – 92 mm

	#		№
120	2	M5x100	765686

Door leaf thickness 87 – 97 mm

	#		№
150	2	M5x100	765623

Accessories




Roto

External balcony door handles

See page 300

Replacement key

See page 303

Detachable key

See page 304

T&T restrictor

See page 305

Square spindle

See page 306

Roto Cyl-Tec – profile cylinders

Double cylinder 307

Knob cylinder 308

Key blanks 309

Flat-headed screw M5 x 12

See page 310

12 Accessories

12.1 External balcony door handles

PVC balcony door handles



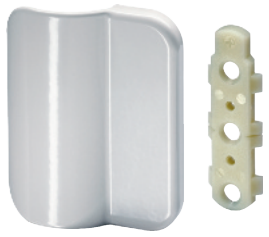
Roto			№
R04.1	Grey brown	20 Piece(s)	228258
R07.2	Traffic white	20 Piece(s)	228259

Aluminium balcony door handles



Roto			№
R01.1	Natural silver	100 Piece(s)	355837
R01.3	Titanium	100 Piece(s)	785816
R05.3	Medium bronze	100 Piece(s)	355838
R05.5	Bronze	100 Piece(s)	491911
R06.2M	Jet black, matt	100 Piece(s)	896752
R07.2	Traffic white	100 Piece(s)	355839

Zinc die-cast balcony door handles with mounting plate



Roto				№
R04.4	–	Black brown	1 Piece(s)	539570
R05.3	–	Medium bronze	1 Piece(s)	539651
R06.2	–	Jet black	1 Piece(s)	539656
R07.2	–	Traffic white	1 Piece(s)	539578
R07.3	–	Cream	1 Piece(s)	539577
R00.0	–	Uncoated	1 Piece(s)	540213
R02.2	RAL 7016	Anthracite grey	1 Piece(s)	539575
R01.11	RAL 9006	White aluminium	1 Piece(s)	539642
R01.7	RAL 9007	Grey aluminium	1 Piece(s)	539780
–	RAL 7001	Silver grey	1 Piece(s)	539576
	RAL 7039	Quartz grey	1 Piece(s)	2032815
	DB 703	Micaceous iron oxide	1 Piece(s)	2032816

Other RAL colours are available upon request

PVC balcony door handles, type 1 for installation on the edge of the profile



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

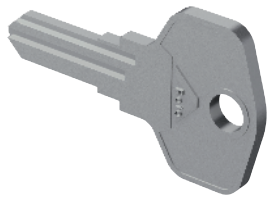
PVC balcony door handles, type 2 for installation on the surface of the profile



Roto			№
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

Other RAL colours are available upon request

12.2 Replacement key



Replacement key 1G1 “large”	44	1 Piece(s)	257830
Replacement key 1G1 “small”	37	1 Piece(s)	639099

Keys are compatible with the following handles:

	Replacement key “small”	Replacement key “large”	Key set with ring
Roto Swing	■	■	–
Roto Swing, TiltFirst	■	–	–
Roto Swing, lockable, 40 Nm	■	–	–
Roto Line	■	■	■
Roto Samba	■	■	–

■ = Standard

12.3 Detachable key



Product description

- Removal tool for the transport safety device of the handle without escutcheon
- In conjunction with Roto Line handle without escutcheon

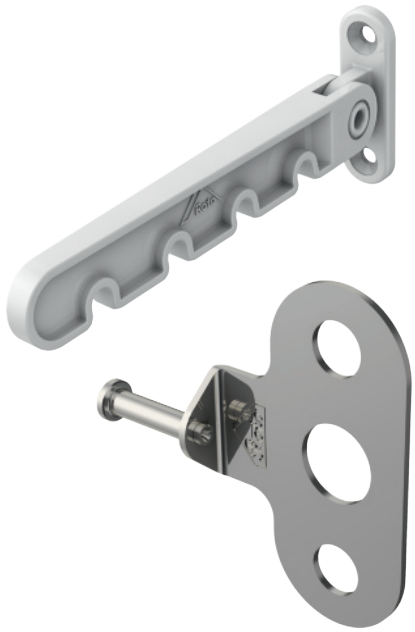
→ *3.2.8 "Without escutcheon" from page 115*
→ *3.2.10 "Without escutcheon – lockable 40 Nm" from page 117*

Scope of delivery

- 1 key

Release key for handle without escutcheon	–	–	–	10 Piece(s)	377995

12.4 T&T restrictor



Product description

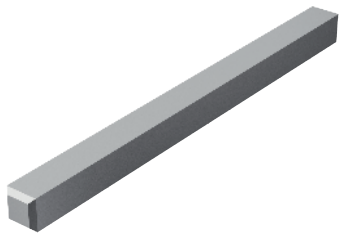
- T&T restrictor angle to be mounted on the handle
- T&T restrictor connecting rod to be mounted on the frame

Scope of delivery

- 1 connecting rod
- 1 angle

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

12.5 Square spindle



7 x 7

Product description

- For Roto Line handles without square spindle in the scope of delivery

Scope of delivery

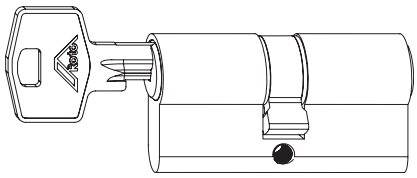
- 1 square spindle

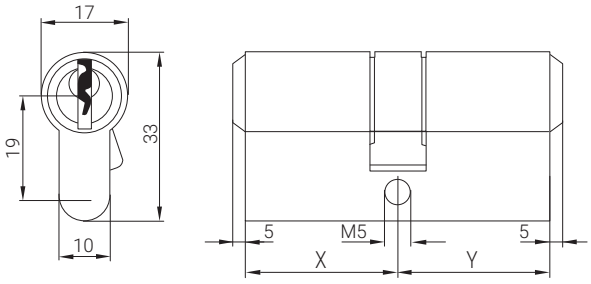
150	10 Piece(s)	287824

12.6 Roto Cyl-Tec – profile cylinders

12.6.1 Double cylinder

12.6.1.1 Standard key





[X] and [Y] = profile cylinder length

Product description

- Six-pin system with 240,000 combinations
- Tested in accordance with EN 1303
- Key with large knob
- Built-in drilling protection

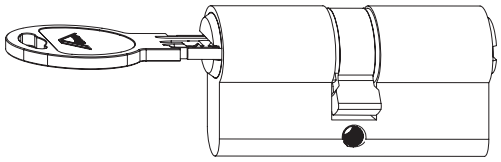
Scope of delivery

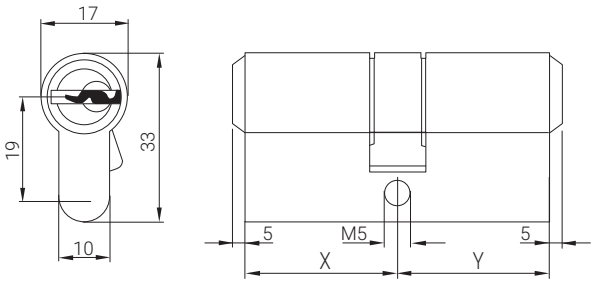
- 3 keys
- 1 M5 x 60 fixing screw

				№
Keyed to differ	31 / 31	Nickel-plated	1 Piece(s)	640068
	31 / 35	Nickel-plated	1 Piece(s)	632589
	31 / 40	Nickel-plated	1 Piece(s)	640074
	31 / 45	Nickel-plated	1 Piece(s)	640069
	31 / 50	Nickel-plated	1 Piece(s)	640070
	31 / 55	Nickel-plated	1 Piece(s)	642659
	31 / 60	Nickel-plated	1 Piece(s)	640080
	31 / 70	Nickel-plated	1 Piece(s)	729304
	35 / 35	Nickel-plated	1 Piece(s)	640071
	35 / 40	Nickel-plated	1 Piece(s)	640072
	35 / 45	Nickel-plated	1 Piece(s)	640073
	35 / 50	Nickel-plated	1 Piece(s)	640075
	35 / 55	Nickel-plated	1 Piece(s)	640076
	40 / 40	Nickel-plated	1 Piece(s)	632590
	40 / 45	Nickel-plated	1 Piece(s)	632591
	40 / 50	Nickel-plated	1 Piece(s)	632592
	40 / 55	Nickel-plated	1 Piece(s)	632593
	40 / 60	Nickel-plated	1 Piece(s)	640081
	40 / 70	Nickel-plated	1 Piece(s)	642660
	45 / 45	Nickel-plated	1 Piece(s)	632594
	45 / 50	Nickel-plated	1 Piece(s)	632605
	45 / 55	Nickel-plated	1 Piece(s)	640077
	45 / 60	Nickel-plated	1 Piece(s)	729303
	50 / 50	Nickel-plated	1 Piece(s)	640078
	50 / 60	Nickel-plated	1 Piece(s)	640079
	50 / 70	Nickel-plated	1 Piece(s)	729315

Compatible key blank → *from page 309*

12.6.1.2 Reversible key





[X] and [Y] = profile cylinder length

Product description

- Six-pin system with 240,000 combinations
- Tested in accordance with EN 1303
- Key with large knob
- Built-in drilling protection

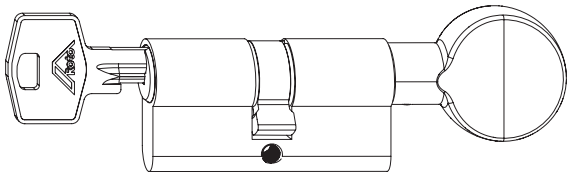
Scope of delivery

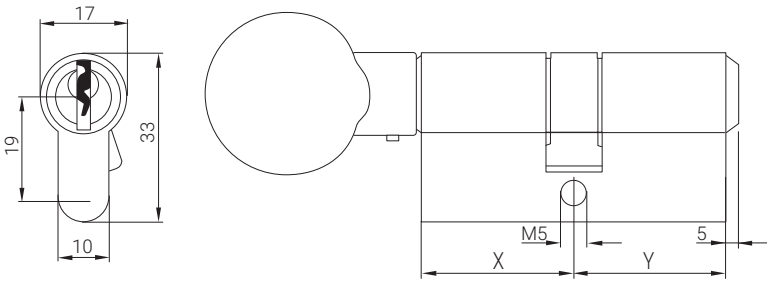
- 5 keys
- 1 fixing screw M5 x 60

				№
Keyed to differ	35 / 65	Nickel-plated	1 Piece(s)	839567
	35 / 75	Nickel-plated	1 Piece(s)	839568
	40 / 40	Nickel-plated	1 Piece(s)	796353
	40 / 45	Nickel-plated	1 Piece(s)	796348
	40 / 50	Nickel-plated	1 Piece(s)	796352
	40 / 60	Nickel-plated	1 Piece(s)	839566
	45 / 45	Nickel-plated	1 Piece(s)	796349
	45 / 50	Nickel-plated	1 Piece(s)	796350
	45 / 55	Nickel-plated	1 Piece(s)	796351
	50 / 60	Nickel-plated	1 Piece(s)	796355
Keyed alike	45 / 50	Nickel-plated	10 Piece(s)	808436
	50 / 60	Nickel-plated	10 Piece(s)	808435

Compatible key blank → *from page 309*

12.6.2 Knob cylinder





[X] and [Y] = profile cylinder length

Product description

- Six-pin system with 240,000 combinations
- Tested in accordance with EN 1303
- Key with large knob
- Built-in drilling protection

Scope of delivery

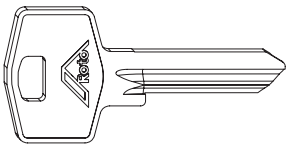
- 3 keys
- 1 fixing screw M5 x 45
- 1 fixing screw M5 x 60

				№
Keyed to differ	30 / 35	Nickel-plated	1 Piece(s)	788794
	35 / 45	Nickel-plated	1 Piece(s)	775103
	40 / 40	Nickel-plated	1 Piece(s)	775098
	45 / 35	Nickel-plated	1 Piece(s)	775099
	45 / 45	Nickel-plated	1 Piece(s)	775101
	45 / 50	Nickel-plated	1 Piece(s)	775102
	50 / 45	Nickel-plated	1 Piece(s)	775100

Compatible key blank → *from page 309*

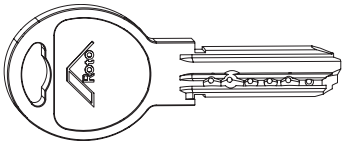
12.6.3 Key blanks

Standard key



	№
Key blank for standard key	632626

Reversible key



	№
Key blank for reversible key	796354

12.7 Flat-headed screw M5 x 12



Product description

- Screw for attaching handles

Scope of delivery

- 1 fixing screw

Cylinder screw	M5x12	100 Piece(s)	728925

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