



Door Fittings

In Design & Function

HÖRMANN





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Steel and stainless steel door



Profile frame door



Security fittings ES 1 - 3



Fire protection



Escape route



Recommended for
accessible building



Customised solutions



Stainless steel



Aluminium












For technical printing reasons, the colours and surface finishes shown are not binding.

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Illustration left:
CharitéCrossOver (CCO), Berlin with Hörmann products

Fitting technology

Overview

Area of use	Product family D-100	Product family D-300
 <p>Steel and stainless steel door</p>	 <p>D-110 Page 16</p>  <p>D-190 Page 28</p>	 <p>D-310 Page 18</p>  <p>D-330 Page 20</p>
 <p>Profile frame door</p>	 <p>D-116 Page 17</p>  <p>D-115 Page 17</p>	 <p>D-310 Page 19</p>  <p>D-315 Page 19</p>  <p>D-335 Page 21</p>

Product family D-400



D-410
Page 22



D-490
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Product family D-500



D-510
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D-510
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D-515
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Product family D-800



D-810 (1073)
Page 14



D-830 (1079)
Page 14



D-810 (1073)
Page 15



D-830 (1079)
Page 15

Fitting technology

Variants

Fittings in all variants & classes

With its fittings solutions, Hörmann is consciously concentrating on classic designs – yet at the same time ensuring that the solutions offered can be used for all areas of application from protective handles to window handle.

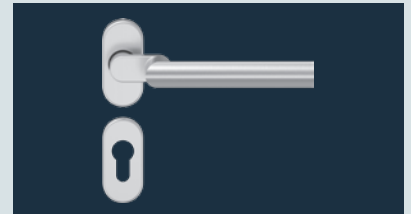
Rose handles display program switches

The classic version for residential and other property doors is the two-piece rose handle. This is available with a lever handle or a round or flat knob. The rose is available in a warded lock, oval hole or profile cylinder version.



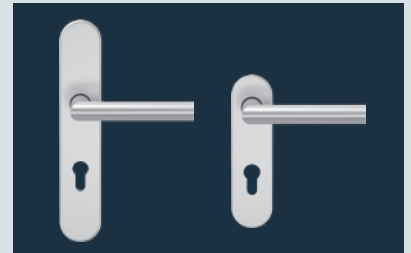
Oval rose handles

Oval roses are used on profile frame doors made of steel, plastic or aluminium. They even permit the mounting of the handle on narrow frame profiles. These conceal the risk of hand injuries, which is why the use of offset handles is recommended in this case.



Long and short plate handles

With long and short plate handles, the handle and keyhole are covered by a single continuous plate. This combination provides additional hold for the handle set on the door and additional screw attachment options. This makes these handles suitable for high levels of wear and tear, such as in schools.



Protective handles

Protective handles on exterior doors provide the prerequisites for burglary security. They are bolted through the door, thus providing good burglary protection. The standard DIN 18257 divides protective handles into resistance classes from ES0 to ES3 (1-4 according to EN 1906), whereby ES3 (class 4) describes protective handles which are extremely burglar-resistant.



Fitting technology

Classification key

Classification key EN 1906

This standard applies exclusively for door handles (with and without spring support) on strike plates and knobs or door roses with which a latch or lock is actuated. The standard stipulates that all products tested to it must be classified using an 8-digit key.

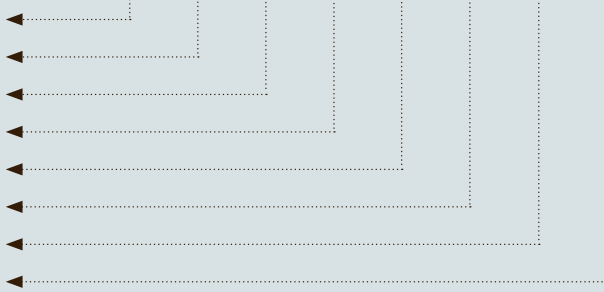
Here is the classification key using the example of the OKL Magis handle.

*1 million test cycles **MPA plus certificat**

EN 1906

4	D9*	-	0	1	5	0	B/U
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- 1) Utilisation category (class 1 - 4)
- 2) Permanent operational reliability (class 6, 7) + D9
- 3) Mass of the tested door (no entry)
- 4) Fire resistance (class 0, A, A1, B, B1, C, C1, D, D1)
- 5) Security – personal protection (class 0, 1)
- 6) Corrosion resistance (class 0 - 5)
- 7) Security – burglary protection (class 0 - 4)
- 8) Version (type A, B, U)



Quality bearings with a system

OKL bearings

The **round roses** with **industrial ball bearings** are characteristic for these high-quality property handles. A precise and maintenance-free, fully encapsulated grooved ball bearing ensures the well-balanced, play-free mounting of the handle.



- EN 1906, class 4
- DIN 18273
Approved for fire and smoke protection doors
- Restoring spring
- **MPA plus “D9” - 1 million test cycles**

OGL bearings

These property handles have a maintenance-free **plastic friction bearing**, which is located in the base rose and thus compensates the radial and axial play.



- EN 1906, class 4
- DIN 18273
Approved for fire and smoke protection doors
- No restoring spring
(OGL oval rose with restoring spring)
- 200,000 test cycles

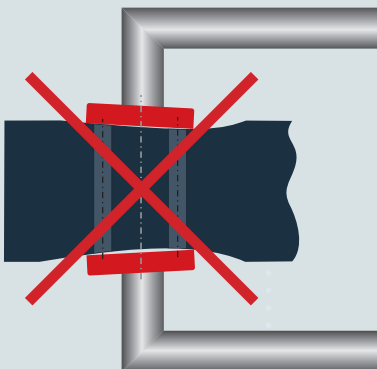
OKL Magis

The solution for extremely demanding requirements

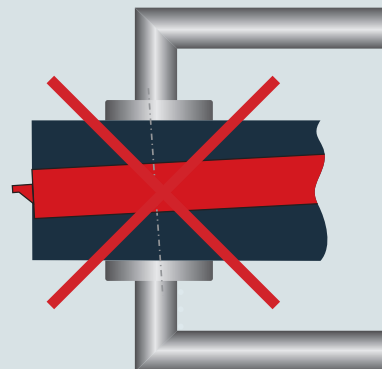


The new flexible bearing solves customary problems during handle installation with ease:

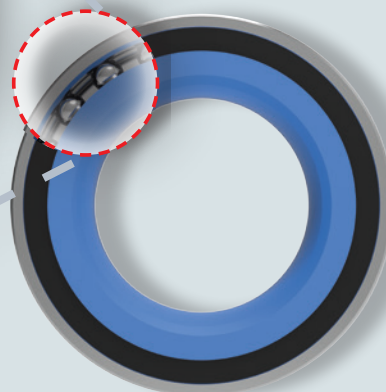
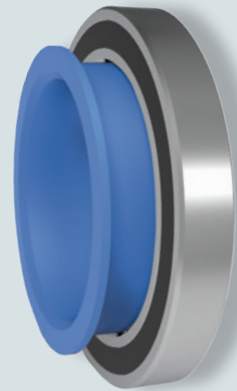
Screws tightened too far
(deformation of the door leaf)



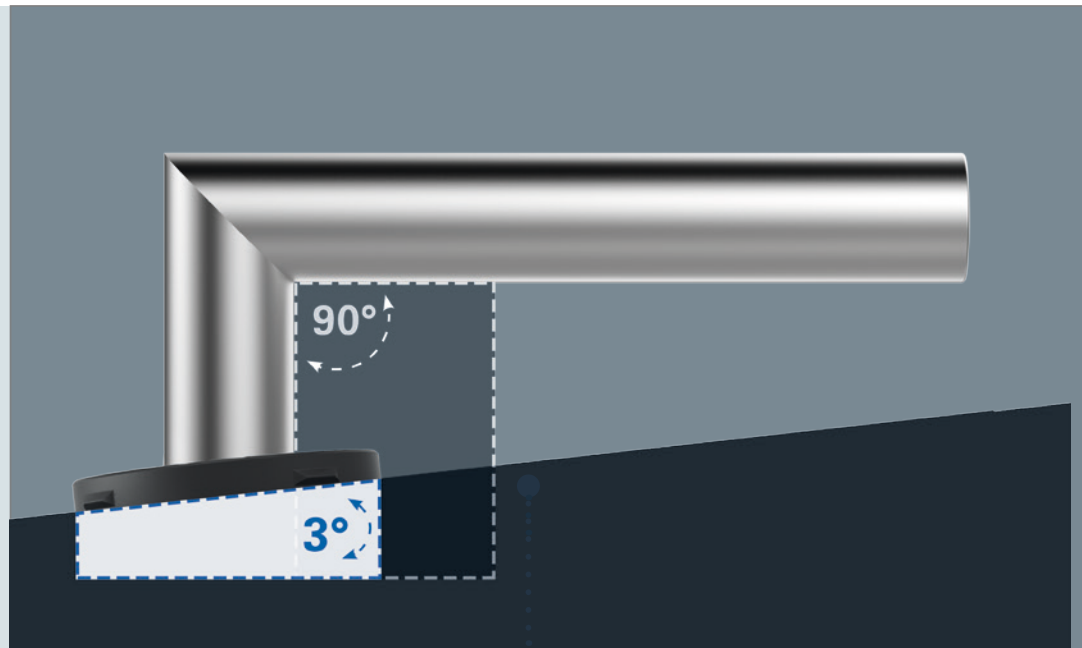
Tolerance error during lock installation
(case is skewed)



Thanks to the flexible bearing which is fitted exactly in the ball bearing, the handle now has the necessary freedom of movement to compensate this clearance.



The flexible bearing works inside the ball bearing and can compensate unevenness on the surface of the door by up to 3°.



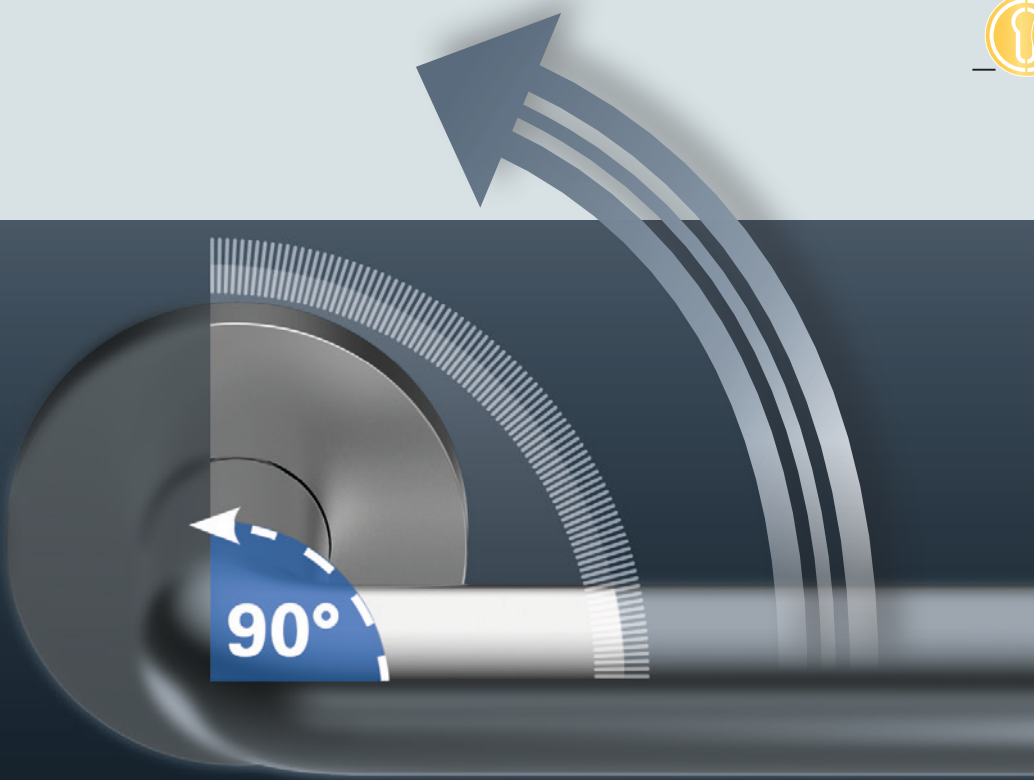
Technical notes:

Radial and axial clearance: This handle set can compensate unevenness on the door surface of up to 3°, but **DIN standard 18273** also draws attention to possible clearance:

“Due to the position of the tolerance fields of door handle spindle (8.91 to 8.98 mm) and inner square of the follower (9.0 to 9.1 mm), there can be significant clearance between the door handle square and the lock follower. This clearance can lead to a maximum backlash of the installed door handle of 5 mm measured at a distance of

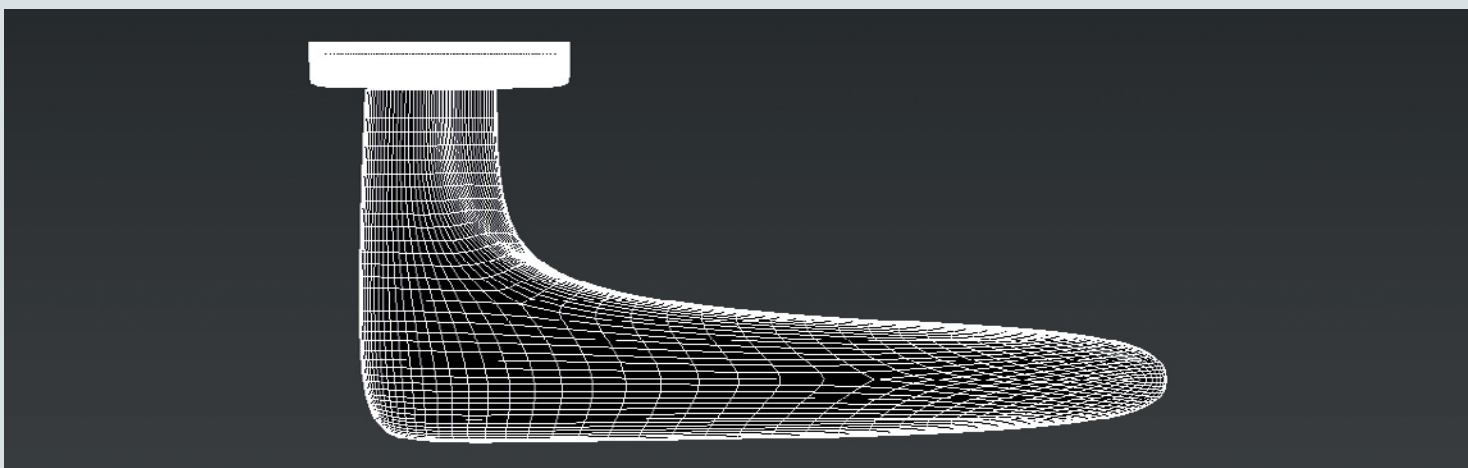
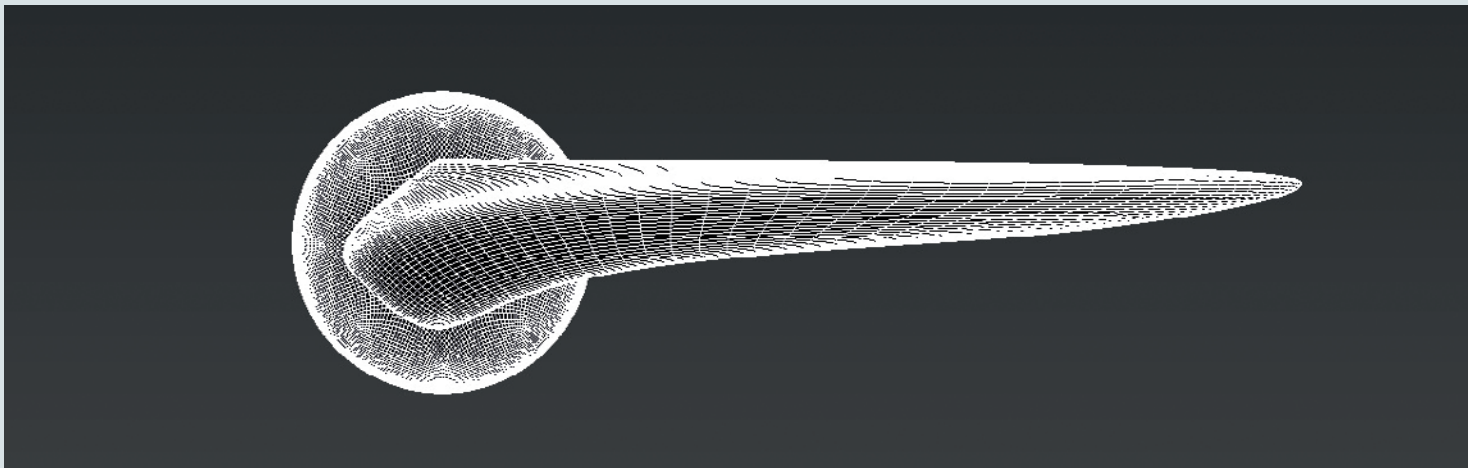
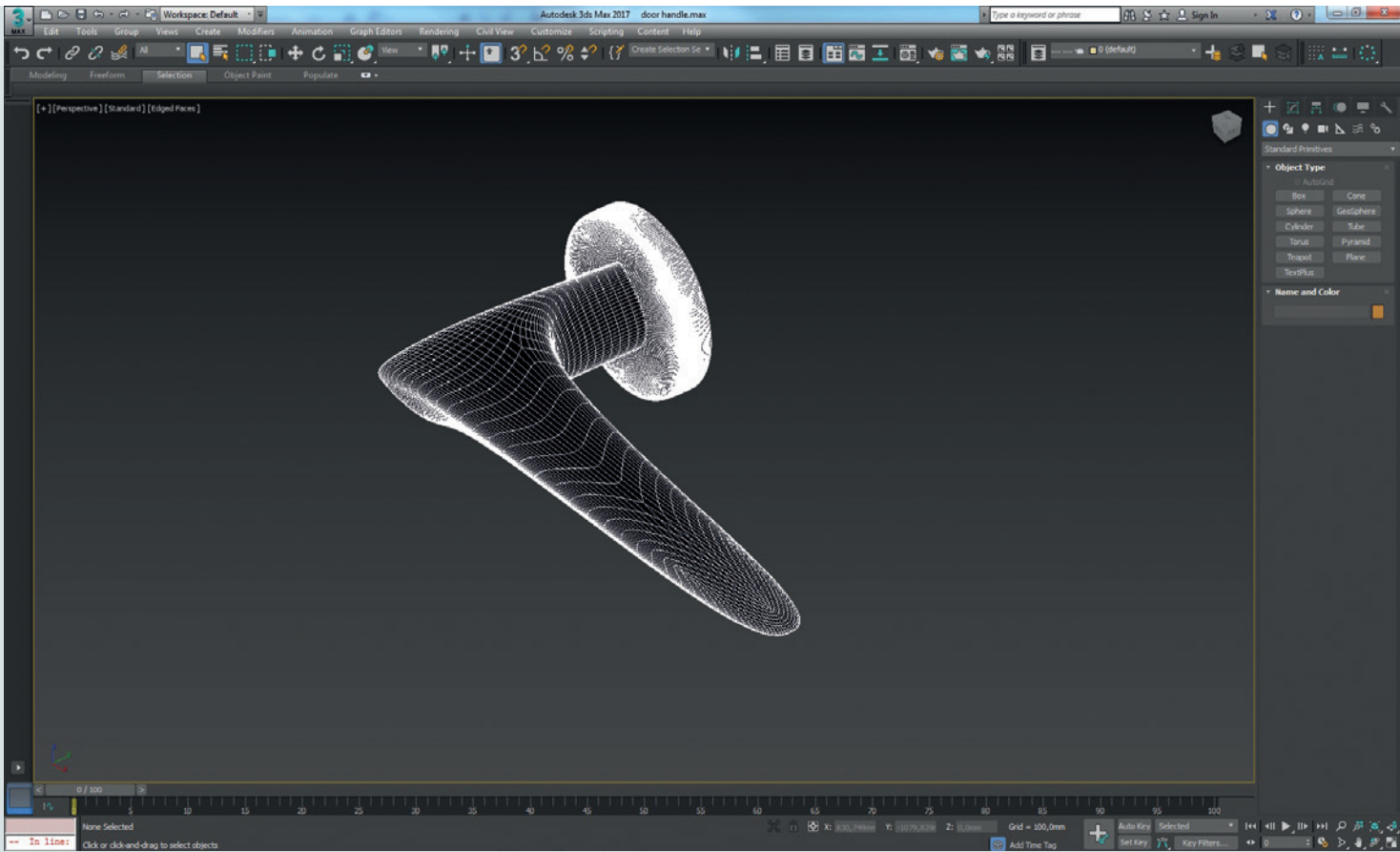
100 mm from the handle turning point.”

This clearance can be unavoidable, particularly with two-part panic pins. This means the door handle can wobble upwards and downwards. The OKL Magis door handle set counteracts this through the spring reset with 90° fixed stop. This greatly reduces the “felt” handle clearance and is far below the specifications in standard EN 1906.



Creative door handle design

From the vision to the small series – according to your own architectural ideas



Customised design handles

Your Design made by Hörmann

Work together with Hörmann to develop a customised handle design for your own particular building project.

From the vision to the small series for architects **Wannenmacher + Möller GmbH**

- 1 Sketch of the handle vision
- 2 Discussion of the details
- 3 Preparation of a 3D CAD drawing
- 4 Checking and application of the CAD data
- 5 Sample print by the 3D printer
- 6 Stipulation of design and material
- 7 Production of the original handle
- 8 Installation of the customised handle in the building

**Please contact us.
We'll be happy to help!**

<http://www.hoermann.de/architekten/architektenberatung/>



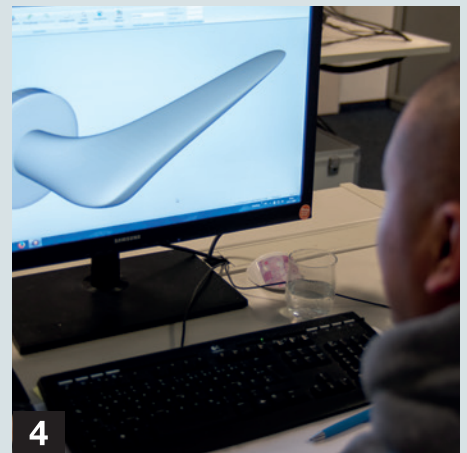
1



2



3



4



5



6



7



8

Product family D-800

Exclusive Hörmann design handle "Komé" in cooperation with Randi





Exclusive design

- 1** Handle approved for fire and smoke protection doors in accordance with DIN 18273, EN 1906
- 2** Panic handle in accordance with EN 179 for fire and smoke protection tubular frame doors
- 3 4** Standard handle for internal doors and fire and smoke protection doors

Exclusive finishes

- 1 2** Stainless steel satin (standard)
- 3** Stainless steel untreated (on request)
- 4** Brass untreated / PVD coated (on request)

Other finishes (on request):
stainless steel polished,
brass polished / PVD coated



Available for exclusive doors

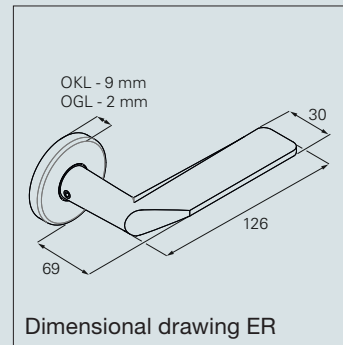
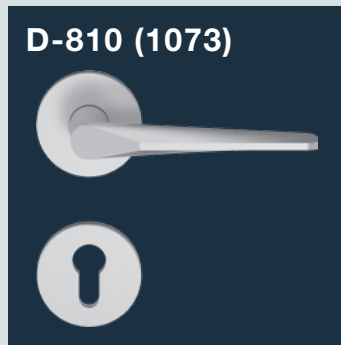
- Fire and smoke protection tubular frame elements
- Multi-function doors OD
- Function doors
- Steel and stainless steel doors STS / STU
- Doors for residential rooms



Product family D-800

Exclusive Hörmann design handle "Komé" in cooperation with Randi

Randi-Line® Komé is a symmetrical, stylish, solid handle, designed by the architectural office C. F. Møller. Based on a timeless Danish design, architecture, function and ergonomics are the defining principles of this series of handles.



F Square spindle 9 mm for all fire protection versions (except WC)

ER Material / finish
Stainless steel

AI Material / finish
Aluminium

Supplementary versions

ES1 You will find further combinations in the security fittings section on page 26.

You will find further combinations in the panic fittings section on page 31.

We also offer solutions to match your individual requirements. Just contact us!

OKL Magis

ER	4	D9	-	B1*	1	5	0	B/U
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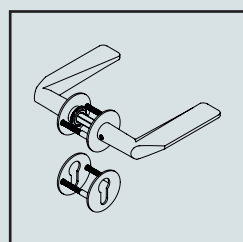
D9 = MPA *plus* - 1 million test cycles

OGL

ER	4	7	-	B1*	1	4	0	U
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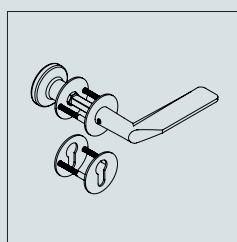
*Version 9 mm with fire protection
Version 8 mm without fire protection but with "0" instead

Wood, steel and stainless steel doors / D-810 (1073) / D-830 (1079) round rose 2 mm / knobs



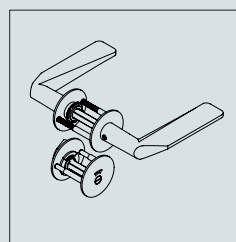
PZ 8 mm

PZ 9 mm **F**



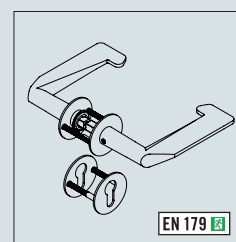
Knob-lever 8 mm

Knob-lever 9 mm **F**



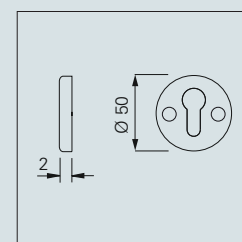
WC 8 mm

WC 9 mm



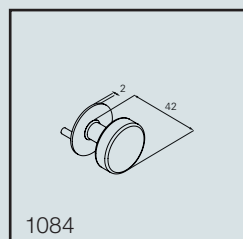
PZ 9 mm **F**

Split spindle

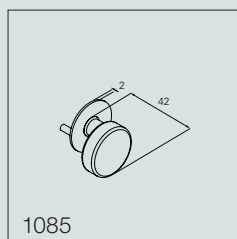


Dimensional drawing

Rose with visible screws on one side.



1084

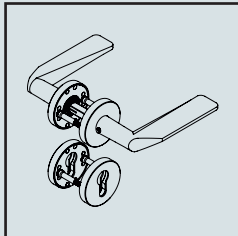


1085

Wood, steel and stainless steel doors / D-810 (1073) / D-830 (1079) round rose Magis / knobs

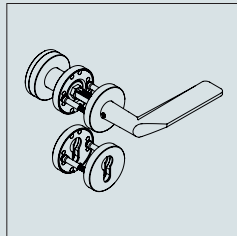


OKL Magis



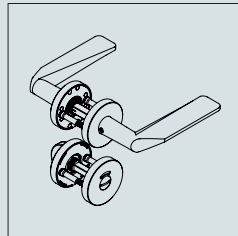
PZ 8 mm

PZ 9 mm **F**



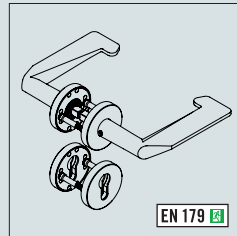
Knob-lever 8 mm

Knob-lever 9 mm **F**



WC 8 mm

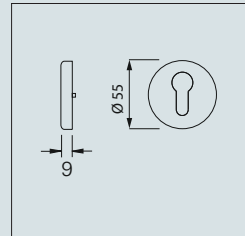
WC 9 mm



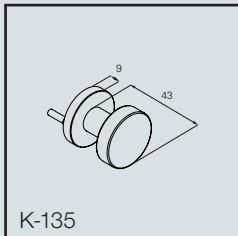
PZ 9 mm **F**

Split spindle

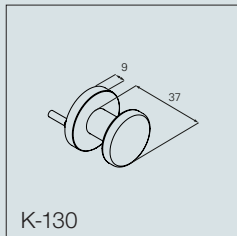
EN 179 **F**



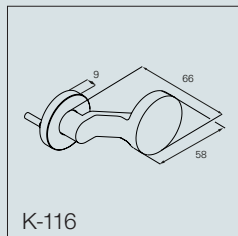
Dimensional drawing



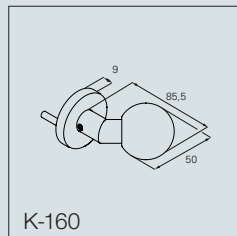
K-135



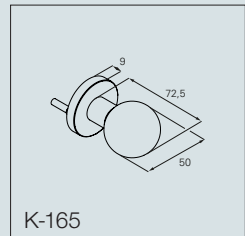
K-130



K-116



K-160

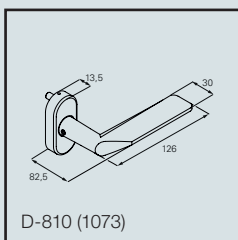


K-165

Profile frame doors / D-810 (1073) / D-830 (1079) oval rose / knobs

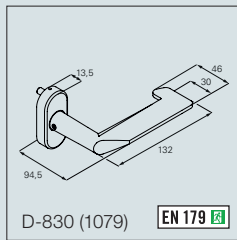


OGL



D-810 (1073)

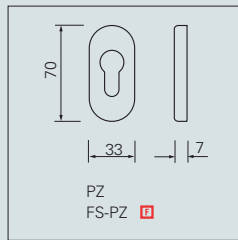
9 mm **F**



D-830 (1079)

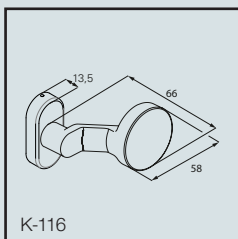
EN 179 **F**

9 mm **F**



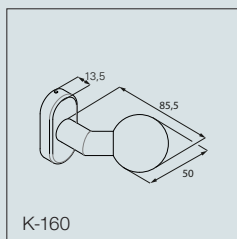
Dimensional drawing

PZ
FS-PZ **F**



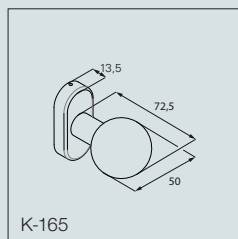
K-116

9 mm **F**



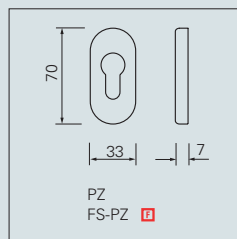
K-160

9 mm **F**



K-165

9 mm **F**



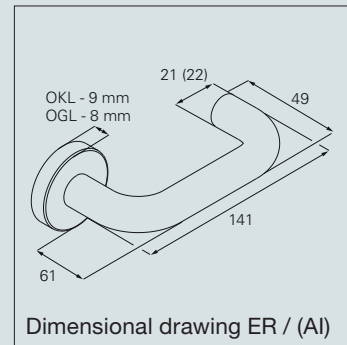
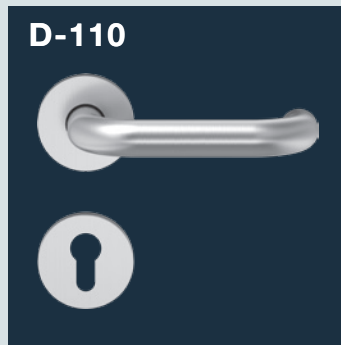
Dimensional drawing

PZ
FS-PZ **F**

Product family D-100

U-shaped handle

A classic product with added value: the advantage of the U-shaped handle lies in its second 90 degree bend. The rear turn of the handle helps to prevent shopping bags or coat sleeves from getting caught on the handle. In addition, the U-shaped handle has comfort qualities, because the rear turn supports the ball of the hand when the door is opened.




Supplementary versions


F Square spindle 9 mm for all fire protection versions (except WC)

ES1 You will find further combinations in the security fittings section on page 26.

ER Material / finish
Stainless steel

 You will find further combinations in the panic fittings section on page 31.

AI Material / finish
Aluminium

 We also offer solutions to match your individual requirements. Just contact us!

OKL Magis

ER	4	D9	-	B1*	1	5	0	B/U
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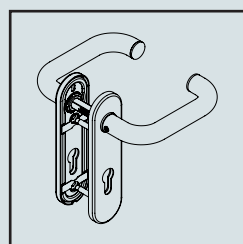
D9 = MPA **plus** - 1 million test cycles

OGL

ER	4	7	-	B1*	1	4	0	U
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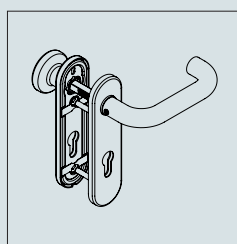
*Version 9 mm with fire protection
Version 8 mm without fire protection but with "0" instead

Wood, steel and stainless steel doors / D-110 short plate / knobs



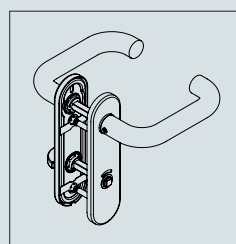
PZ 8 mm

PZ 9 mm **F**



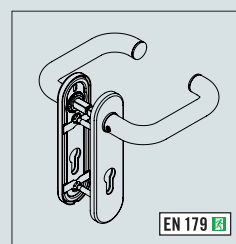
Knob-lever 8 mm

Knob-lever 9 mm **F**



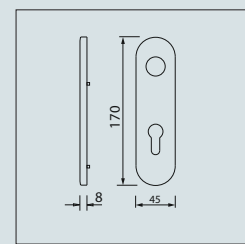
WC 8 mm

WC 9 mm

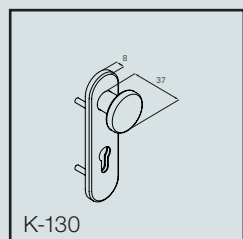


PZ 9 mm **F**

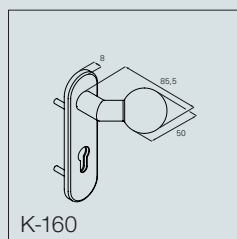
Split spindle



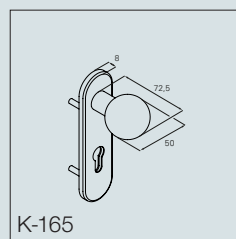
Dimensional drawing



K-130



K-160



K-165

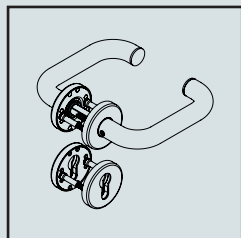
Wood, steel and stainless steel doors / D-110 round rose / knobs



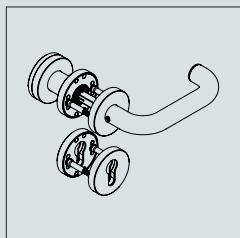
OKL Magis



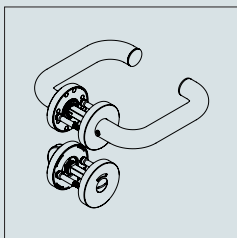
OGI



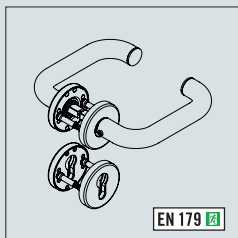
PZ 8 mm
PZ 9 mm **F**



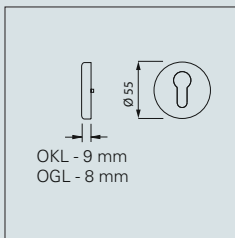
Knob-lever 8 mm
Knob-lever 9 mm **F**



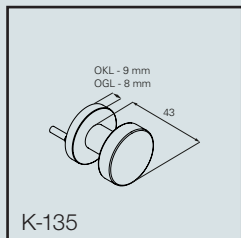
WC 8 mm
WC 9 mm



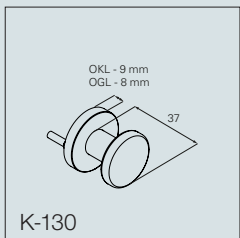
PZ 9 mm **F**
Split spindle



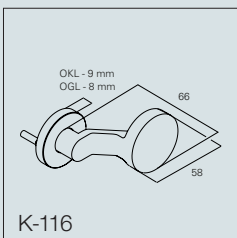
Dimensional drawing



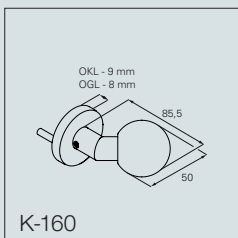
K-135



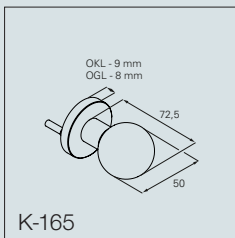
K-130



K-116



K-160

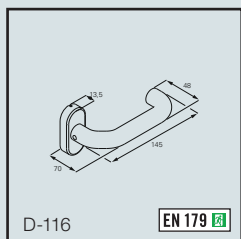


K-165

Profile frame doors / oval rose / knobs

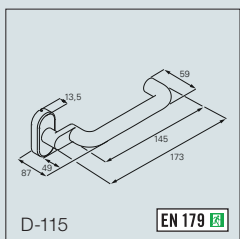


OGI



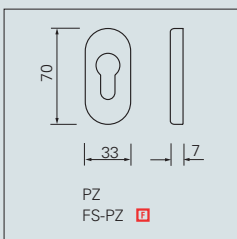
D-116

EN 179 **F**



D-115

EN 179 **F**

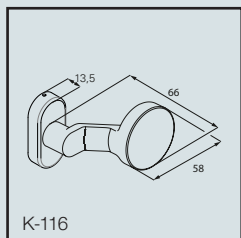


Dimensional drawing

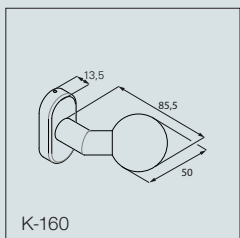
PZ
FS-PZ **F**

9 mm **F**

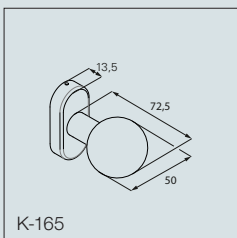
9 mm **F**



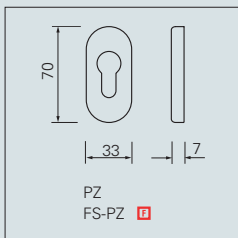
K-116



K-160



K-165



Dimensional drawing

PZ
FS-PZ **F**

9 mm **F**

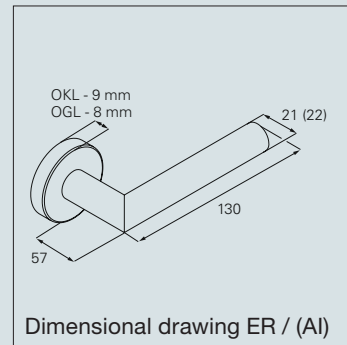
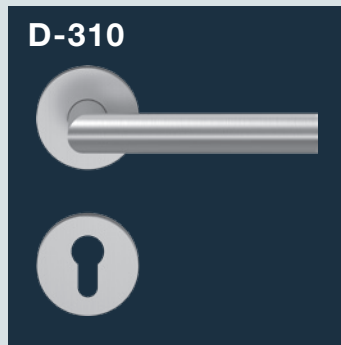
9 mm **F**

9 mm **F**

Product family D-300

Frankfurt mitred handle

The D-300 is a variation of a geometric handle draft design from the 1920s and stands out through the legible simplicity of the construction: A circular tube is separated with a mitred cut before the two halves are joined together again at right angles. This handle was given the attribute "Frankfurt" not only through its close geometric relationship with the Frankfurt standard handle but also because it was used when the Frankfurt Architecture Museum was built.



Supplementary versions



Square spindle 9 mm for all fire protection versions (except WC)



You will find further combinations in the security fittings section on page 26.



ER	4	D9	-	B1*	1	5	0	B/U
----	---	----	---	-----	---	---	---	-----

D9 = MPA **plus** - 1 million test cycles



Material / finish
Stainless steel



You will find further combinations in the panic fittings section on page 31.



ER	4	7	-	B1*	1	4	0	U
----	---	---	---	-----	---	---	---	---



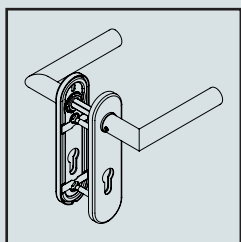
Material / finish
Aluminium



We also offer solutions to match your individual requirements. Just contact us!

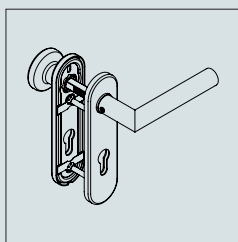
*Version 9 mm with fire protection
Version 8 mm without fire protection but with "0" instead

Wood, steel and stainless steel doors / D-310 / D-330 round rose / knobs



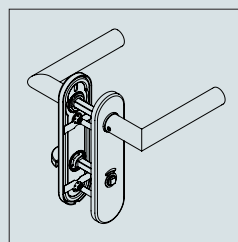
PZ 8 mm

PZ 9 mm **F**



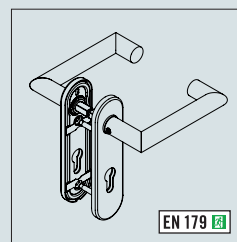
Knob-lever 8 mm

Knob-lever 9 mm **F**



WC 8 mm

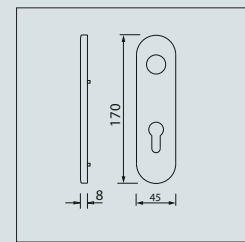
WC 9 mm



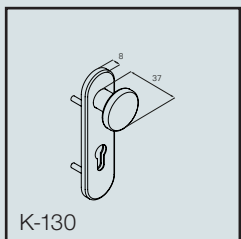
PZ 9 mm **F**

Split spindle

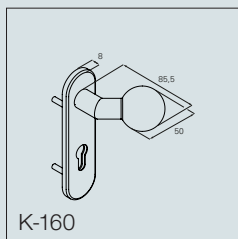
EN 179 **F**



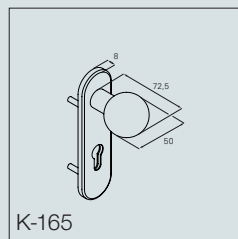
Dimensional drawing



K-130



K-160



K-165

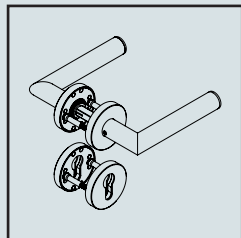
Wood, steel and stainless steel doors / D-310 / D-330 round rose / knobs



OKL Magis

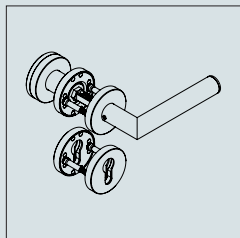


OGI



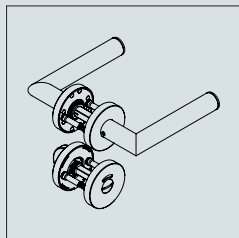
PZ 8 mm

PZ 9 mm **F**



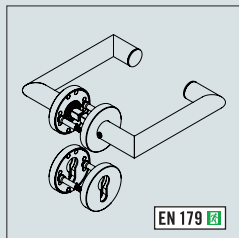
Knob-lever 8 mm

Knob-lever 9 mm **F**



WC 8 mm

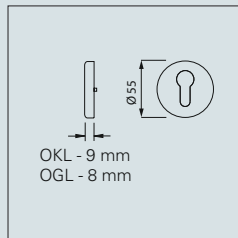
WC 9 mm



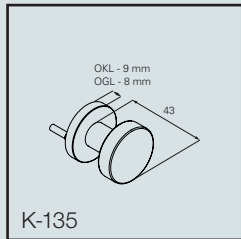
PZ 9 mm **F**

Split spindle

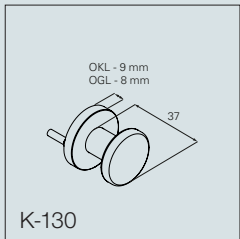
EN 179 **EN**



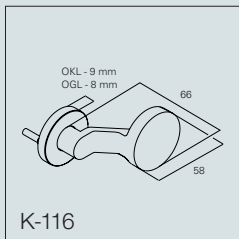
Dimensional drawing



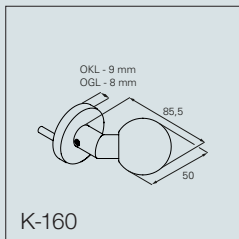
K-135



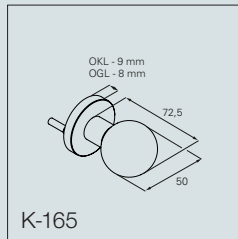
K-130



K-116



K-160

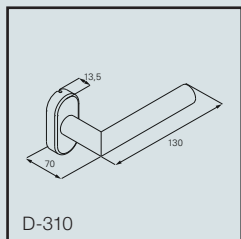


K-165

Profile frame doors / oval rose / knobs

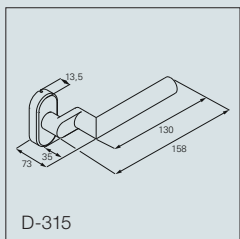


OGI



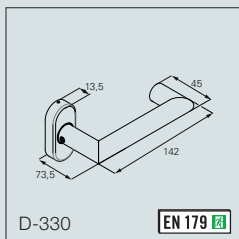
D-310

9 mm **F**



D-315

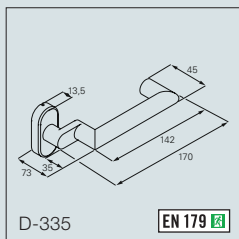
9 mm **F**



D-330

9 mm **F**

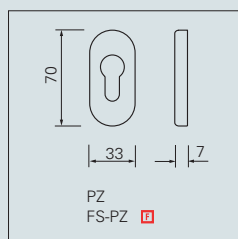
EN 179 **EN**



D-335

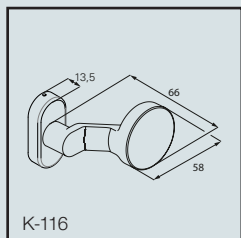
9 mm **F**

EN 179 **EN**



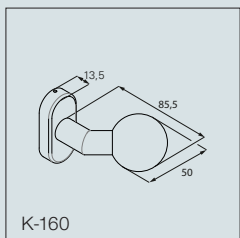
Dimensional drawing

PZ
FS-PZ **F**



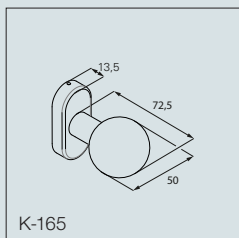
K-116

9 mm **F**



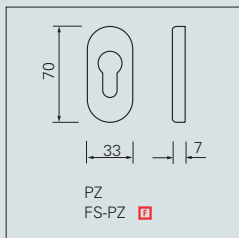
K-160

9 mm **F**



K-165

9 mm **F**



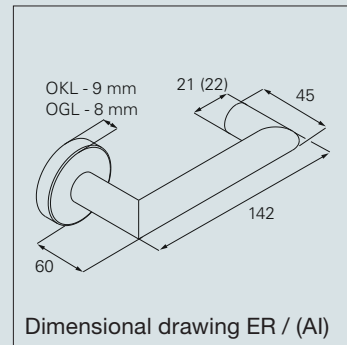
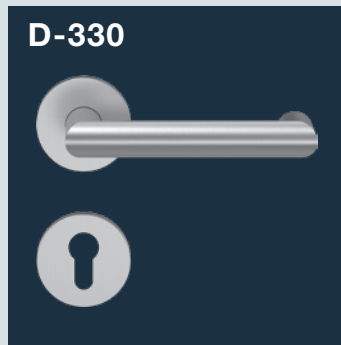
Dimensional drawing

PZ
FS-PZ **F**

Product family D-300

Frankfurt mitred handle

The D-330 is based on the shape of the model D-310, and the design is thus approved for emergency exit devices in accordance with EN 179. A circular tube is separated with a mitred cut. The two halves are then joined together again at right angles.



Supplementary versions



Square spindle 9 mm for all fire protection versions (except WC)



You will find further combinations in the security fittings section on page 26.



ER	4	D9	-	B1*	1	5	0	B/U
----	---	----	---	-----	---	---	---	-----

D9 = MPA **plus** - 1 million test cycles



ER	4	7	-	B1*	1	4	0	U
----	---	---	---	-----	---	---	---	---

*Version 9 mm with fire protection
Version 8 mm without fire protection but with "0" instead



Material / finish
Stainless steel



You will find further combinations in the panic fittings section on page 31.

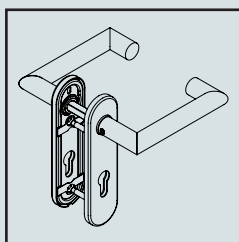


Material / finish
Aluminium



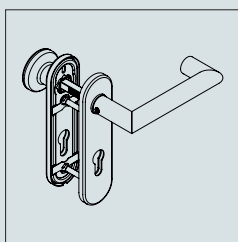
We also offer solutions to match your individual requirements. Just contact us!

Wood, steel and stainless steel doors / D-330 short plate / knobs



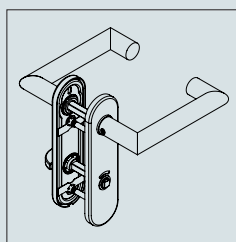
PZ 8 mm

PZ 9 mm **F**



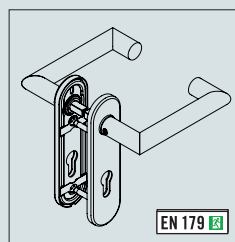
Knob-lever 8 mm

Knob-lever 9 mm **F**



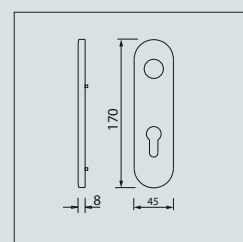
WC 8 mm

WC 9 mm

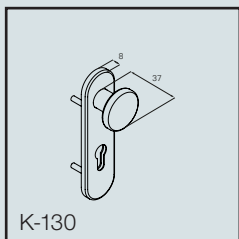


PZ 9 mm **F**

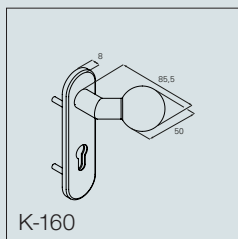
Split spindle



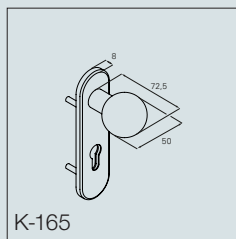
Dimensional drawing



K-130



K-160



K-165

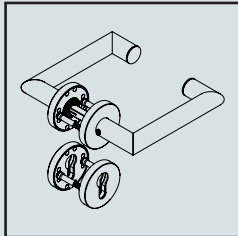
Wood, steel and stainless steel doors / D-330 round rose / knobs



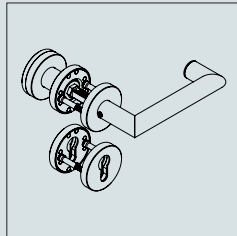
OKL Magis



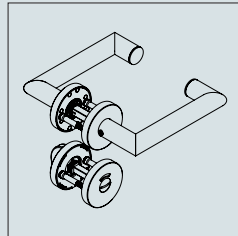
OGI



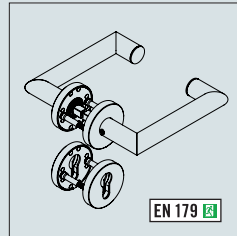
PZ 8 mm
PZ 9 mm **F**



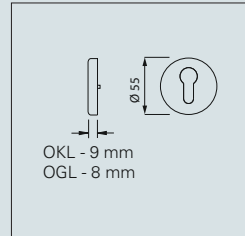
Knob-lever 8 mm
Knob-lever 9 mm **F**



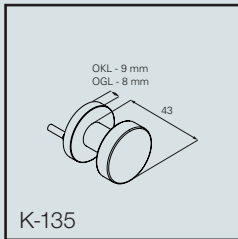
WC 8 mm
WC 9 mm



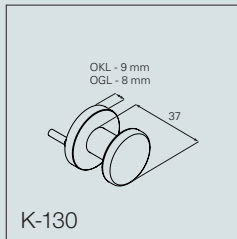
PZ 9 mm **F**
Split spindle



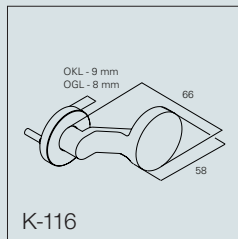
Dimensional drawing
OKL - 9 mm
OGI - 8 mm



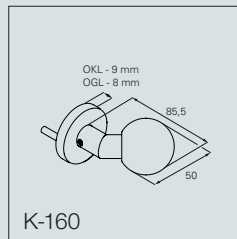
K-135



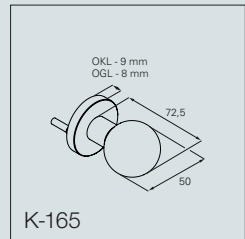
K-130



K-116



K-160

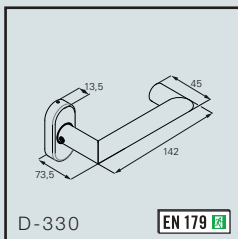


K-165

Profile frame doors / oval rose / knobs

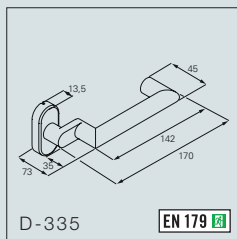


OGI



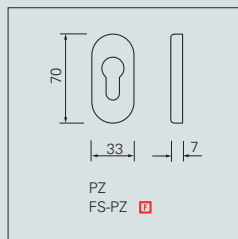
D-330

EN 179



D-335

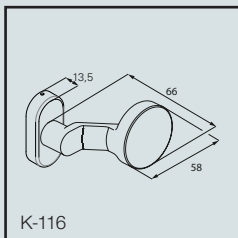
EN 179



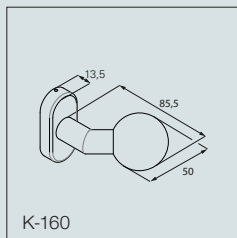
Dimensional drawing
PZ
FS-PZ **F**

9 mm **F**

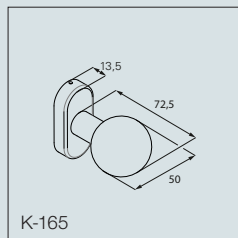
9 mm **F**



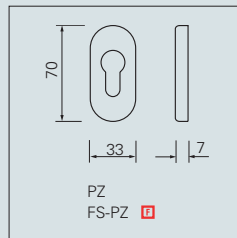
K-116



K-160



K-165



Dimensional drawing
PZ
FS-PZ **F**

9 mm **F**

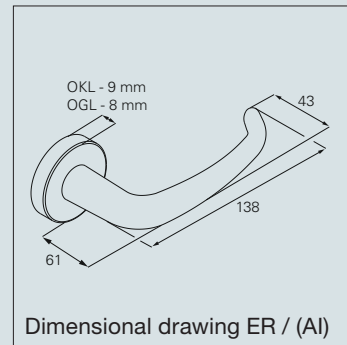
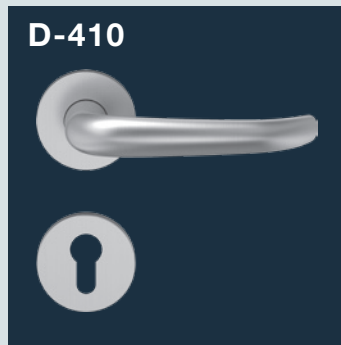
9 mm **F**

9 mm **F**

Product family D-400

Ulm handle

The archetype of the U-shaped handle was named after the Ulm School of Design where it was first used in the 1950s. The draft was based at the time on the door handles of trains run by the Swiss railway.



Supplementary versions



Square spindle 9 mm for all fire protection versions (except WC)



You will find further combinations in the security fittings section on page 26.



ER	4	D9	-	B1*	1	5	0	B/U
----	---	----	---	-----	---	---	---	-----

D9 = MPA **plus** - 1 million test cycles



ER	4	7	-	B1*	1	4	0	U
----	---	---	---	-----	---	---	---	---

*Version 9 mm with fire protection
Version 8 mm without fire protection but with "0" instead



Material / finish
Stainless steel



You will find further combinations in the panic fittings section on page 31.

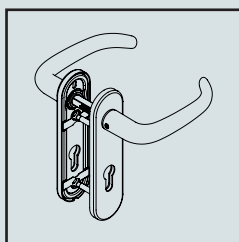


Material / finish
Aluminium



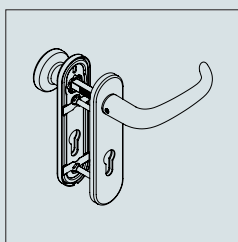
We also offer solutions to match your individual requirements. Just contact us!

Wood, steel and stainless steel doors / D-410 short plate / knobs



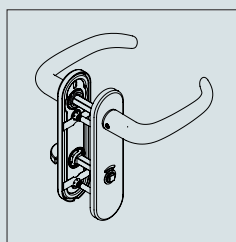
PZ 8 mm

PZ 9 mm **F**



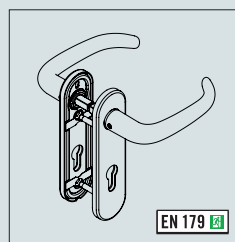
Knob-lever 8 mm

Knob-lever 9 mm **F**



WC 8 mm

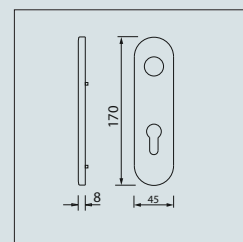
WC 9 mm



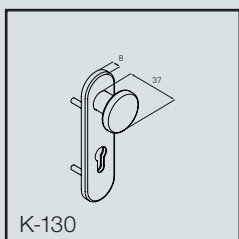
PZ 9 mm **F**

Split spindle

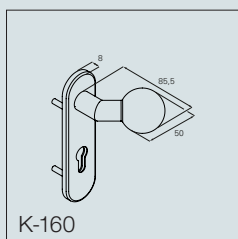
EN 179 **EN**



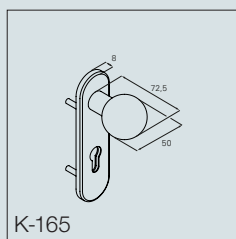
Dimensional drawing



K-130



K-160



K-165

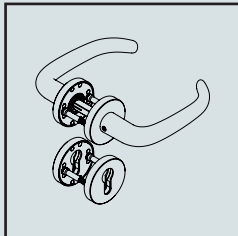
Wood, steel and stainless steel doors / D-410 round rose / knobs



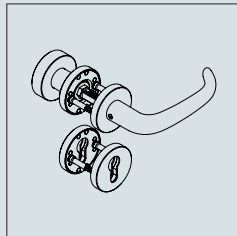
OKL Magis



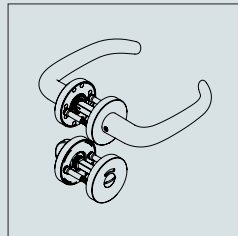
OGL



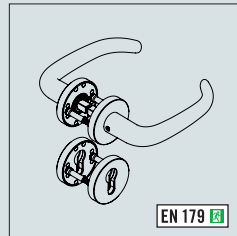
PZ 8 mm
PZ 9 mm **F**



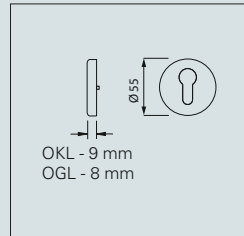
Knob-lever 8 mm
Knob-lever 9 mm **F**



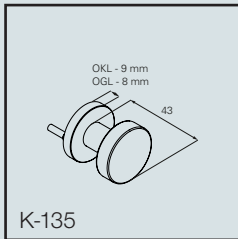
WC 8 mm
WC 9 mm



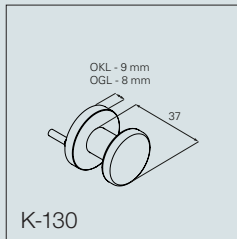
PZ 9 mm **F**
Split spindle



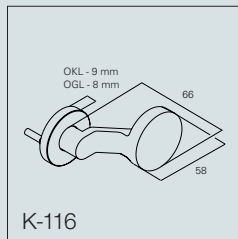
Dimensional drawing



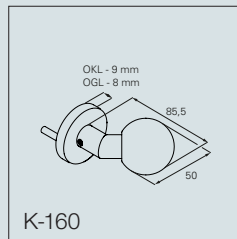
K-135



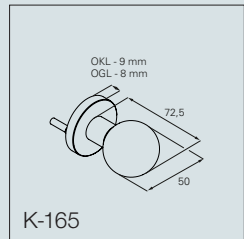
K-130



K-116



K-160

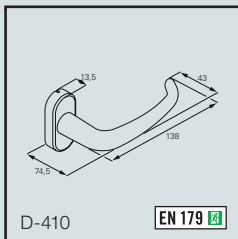


K-165

Profile frame doors / oval rose / knobs

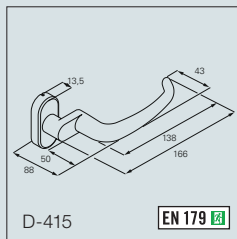


OGL



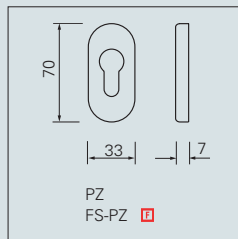
D-410

EN 179 **F**



D-415

EN 179 **F**

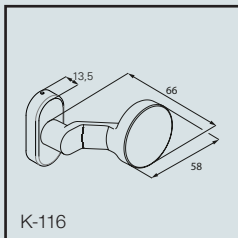


PZ
FS-PZ **F**

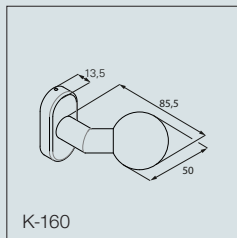
9 mm **F**

9 mm **F**

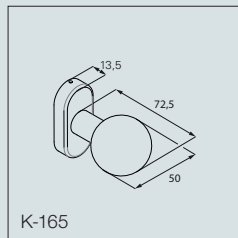
Dimensional drawing



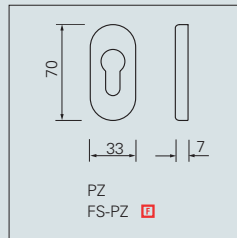
K-116



K-160



K-165



PZ
FS-PZ **F**

9 mm **F**

9 mm **F**

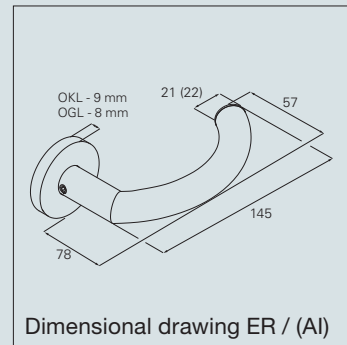
9 mm **F**

Dimensional drawing

Product family D-500

Hand-shape handle

As far as the typology is concerned, this handle constitutes an ergonomic connection between the Frankfurt mitred handle and the Ulm handle. The design of this factory design draft D-500 is discreet, easy to grip and oriented towards the direction of movement.



Supplementary versions



Square spindle 9 mm for all fire protection versions (except WC)



You will find further combinations in the security fittings section on page 26.



ER	4	D9	-	B1*	1	5	0	B/U
-----------	---	----	---	------------	---	---	---	-----

D9 = MPA **plus** - 1 million test cycles



ER	4	7	-	B1*	1	4	0	U
-----------	---	---	---	------------	---	---	---	---

*Version 9 mm with fire protection
Version 8 mm without fire protection but with "0" instead



Material / finish
Stainless steel



You will find further combinations in the panic fittings section on page 31.

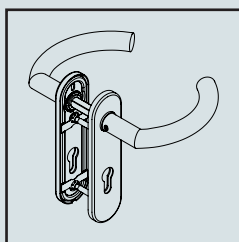


Material / finish
Aluminium



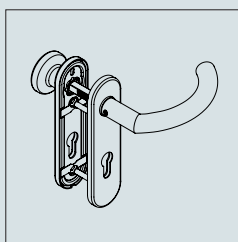
We also offer solutions to match your individual requirements. Just contact us!

Wood, steel and stainless steel doors / D-510 short plate / knobs



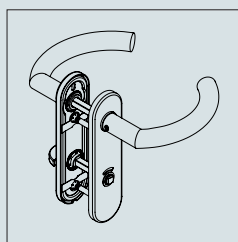
PZ 8 mm

PZ 9 mm **F**



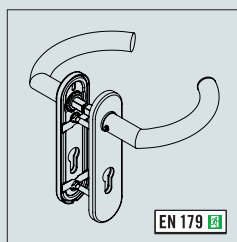
Knob-lever 8 mm

Knob-lever 9 mm **F**



WC 8 mm

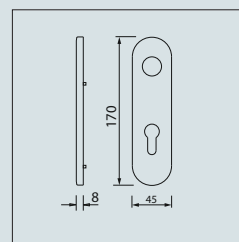
WC 9 mm



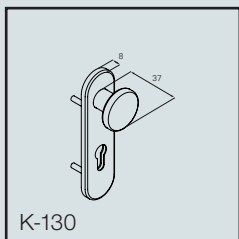
PZ 9 mm **F**

Split spindle

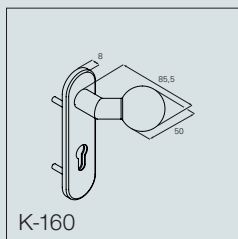
EN 179



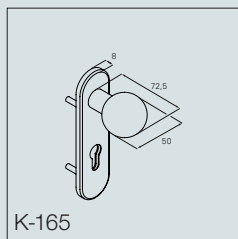
Dimensional drawing



K-130



K-160



K-165

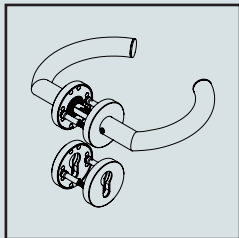
Wood, steel and stainless steel doors / D-510 round rose / knobs



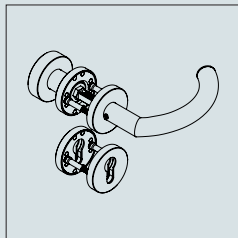
OKL Magis



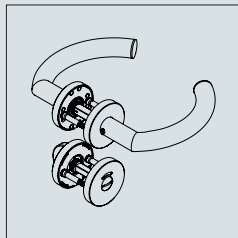
OGI



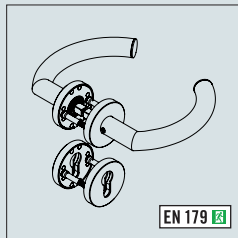
PZ 8 mm
PZ 9 mm **F**



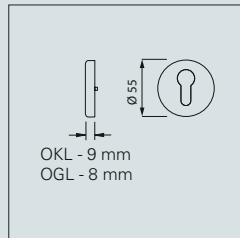
Knob-lever 8 mm
Knob-lever 9 mm **F**



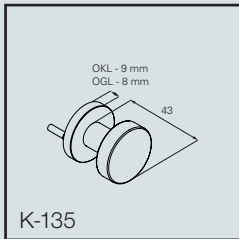
WC 8 mm
WC 9 mm



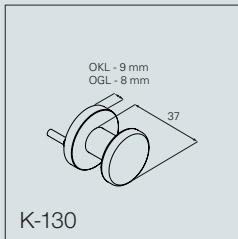
PZ 9 mm **F**
Split spindle



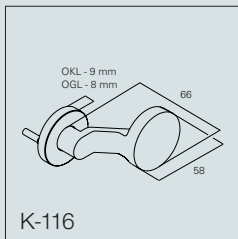
Dimensional drawing



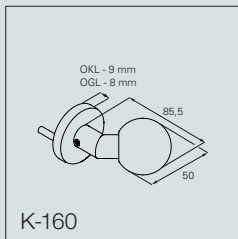
K-135



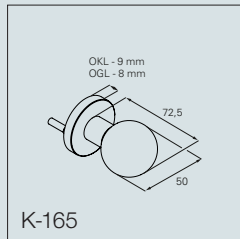
K-130



K-116



K-160

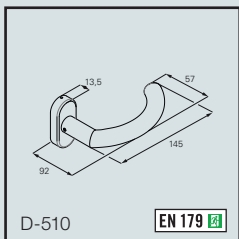


K-165

Profile frame doors / oval rose / knobs

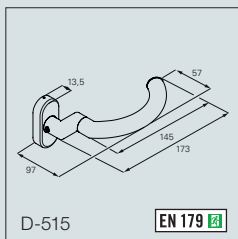


OGI



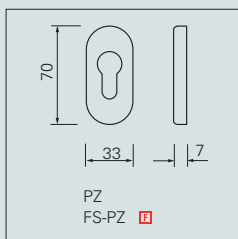
D-510

EN 179 **EN**



D-515

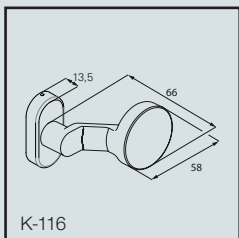
EN 179 **EN**



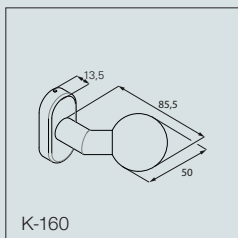
PZ
FS-PZ **F**

9 mm **F**

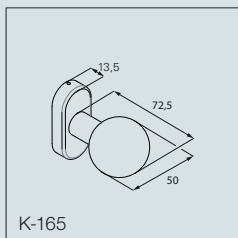
9 mm **F**



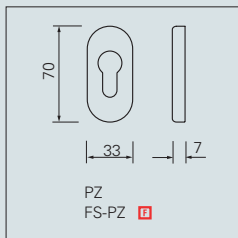
K-116



K-160



K-165



PZ
FS-PZ **F**

9 mm **F**

9 mm **F**

9 mm **F**

Dimensional drawing

Security

Protection against burglars



These days, the subject of security is becoming more and more important. It is an issue that is not only relevant for life in the city, but also in the suburbs and in rural areas. Doors that are equipped with a high security standard and cannot be broken open, levered out or drilled open easily make it difficult for burglars to gain unauthorised access. In addition to poorly secured entrance doors, it is mainly access doors to basements, utility rooms or attics which tempt almost no-risk “breaking” due to the instability of the doors themselves, the hinges and warded lock equipment often used. In order to successfully counter this trend, Hörmann offers a wide range of security fittings and variants that are convincing in terms of both **design and function**.

DIN 18 257

DIN 18 257 is the standard for protective handles, which are divided into one of the four available resistance classes (ES0, ES1, ES2, ES3) depending on their security level.

EN 1906

DIN EN 1906 only defines performance parameters; handle dimensions are not taken into account. In addition, a classification system is introduced which is intended to guarantee product comparability. Door handles tested in accordance with **DIN EN 1906** must be marked using an 8-digit classification key.

According to DIN 18257	According to DIN EN 1906	Protective effect
ES 0	Class 1	Low burglar resistance
ES 1	Class 2	Burglar resistance
ES 2	Class 3	High burglar resistance
ES 3	Class 4	Extremely high burglar resistance

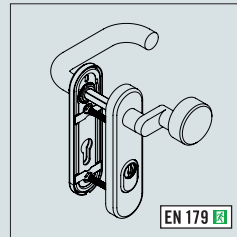
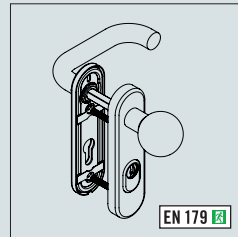
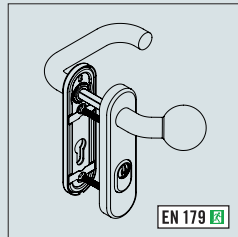
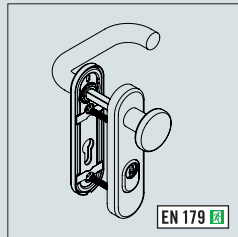
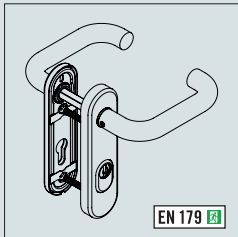
Wood, steel and stainless steel doors / ES 1 - short plate



4 7 - B1 1 4 2 U 8 mm *

4 7 - B1 1 4 2 U 9 mm *

* Version ES 1 ER



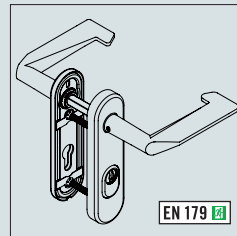
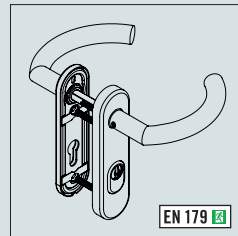
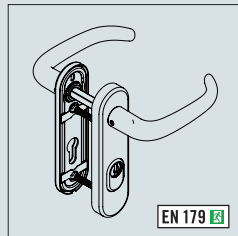
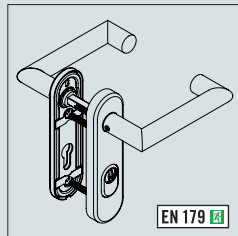
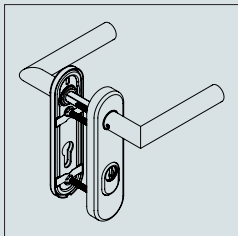
D-110 D/D ZA

D-110 / K-130 ZA

D-110 / K-160 ZA

D-110 / K-165 ZA

D-110 / K-110 ZA



D-310 D/D ZA

D-330 D/D ZA

D-410 D/D ZA

D-510 D/D ZA

D-830 (1079) D/D ZA
(D-810 (1073) D/D ZA)

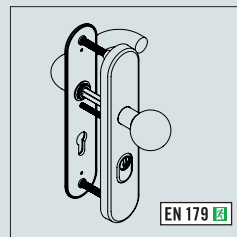
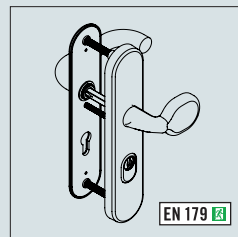
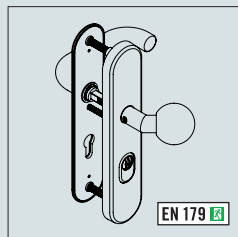
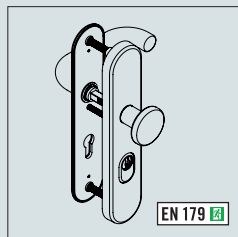
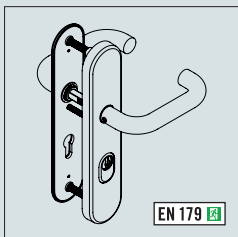
Wood, steel and stainless steel doors / ES 2 - ES 3 - long plate



4 7 - B1 1 4 2 U 8 mm *

4 7 - B1 1 4 2 U 9 mm *

* Version ES 1 ER



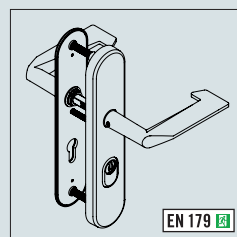
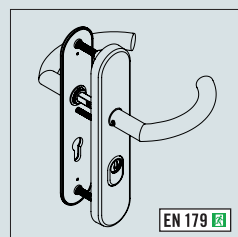
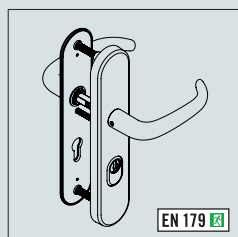
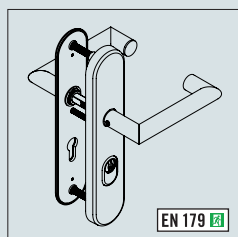
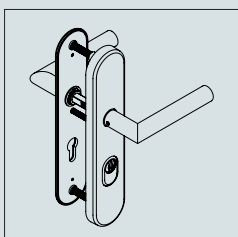
D-110 D/D ZA

D-110 / K-130 ZA

D-110 / K-160 ZA

D-110 / G-160 ZA

D-110 / K-165 ZA



D-310 D/D ZA

D-330 D/D ZA

D-410 D/D ZA

D-510 D/D ZA

D-830 (1079) D/D ZA
(D-810 (1073) D/D ZA)

Accessibility for all

Age-appropriate building design



Handles for barrier-free doors must have a shape that is favourable to grip and be oriented to hand ergonomics. A **rounded handle shape** is favourable, since it stops the hand slipping off the handle while pressing downwards. Sharp edges should be avoided, since these can injure people with spastic paralysis or awkward movements. Equally, the bent shape of the handle prevents sleeves getting caught as people pass. **Longer handles** reduce the force needed to open the door thanks to their lever effect. In addition, they make opening by elbow much easier. For these reasons, these types of handles are preferred in hospitals. The advantage of the U-shaped handle lies in its second 90 degree bend. The handle sets are suitable for property and fire protection doors and achieve the permanently required values, taking the special OKL Magis bearing technology due in part to the larger handle projection into account.

DIN 18040

Barrier-free planning, building and living

DIN 18040 and other standards deals with the creation of planning and building-related prerequisites for guaranteeing the human rights and basic rights formulated in the German Constitution and UN Disability Rights Convention - in particular barrier freedom, personal mobility and independent lifestyle.

Handle sets must be favourable to grip for people with restricted mobility, blind and partially sighted people. This is achieved by bent or U-shaped handles, for example.

Wood, steel and stainless steel doors / XXL handle D-190 / round rose / knobs

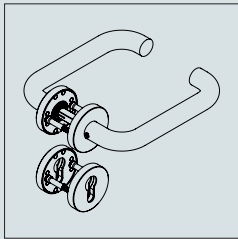


OKL Magis

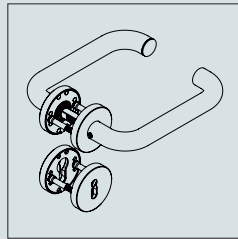


DIN 18040

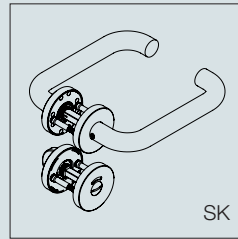
4	D9	-	0	1	5	0	B/U	8 mm	4	D9	-	B1	1	5	0	B/U	9 mm
---	----	---	---	---	---	---	-----	------	---	----	---	----	---	---	---	-----	------



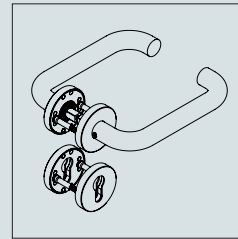
PZ 8 mm
PZ 9 mm **F**



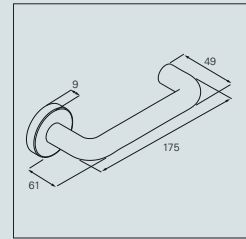
Warded lock 8 mm



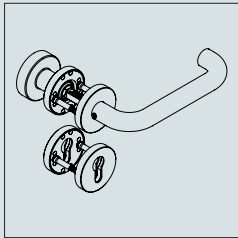
WC 8 mm



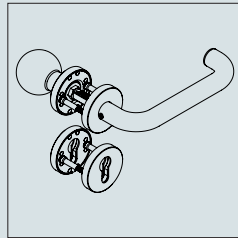
PZ 9 mm **F**
Split spindle



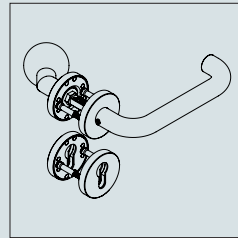
Dimensional drawing



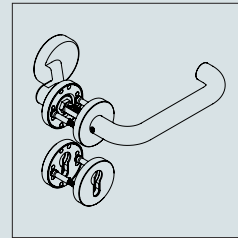
Knob-lever K-135 8 mm



Knob-lever K-165 8 mm



Knob-lever K-160 8 mm



Knob-lever K-116 8 mm

Knob-lever K-135 9 mm

Knob-lever K-165 9 mm

Knob-lever K-160 9 mm

Knob-lever K-116 9 mm

Further variants on request.

Wood, steel and stainless steel doors / XXL handle D-490 / round rose / knobs

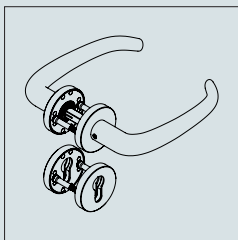


OKL Magis

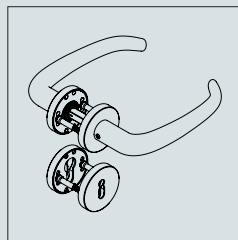


DIN 18040

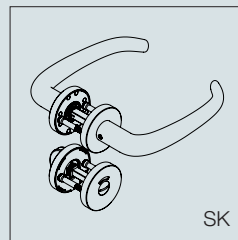
4	D9	-	0	1	5	0	B/U	8 mm	4	D9	-	B1	1	5	0	B/U	9 mm
---	----	---	---	---	---	---	-----	------	---	----	---	----	---	---	---	-----	------



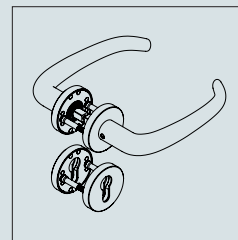
PZ 8 mm
PZ 9 mm **F**



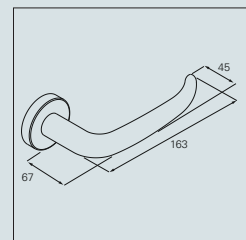
Warded lock 8 mm



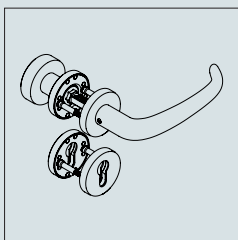
WC 8 mm



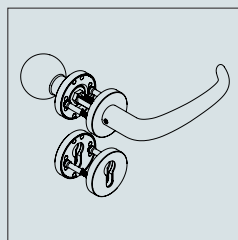
PZ 9 mm **F**
Split spindle



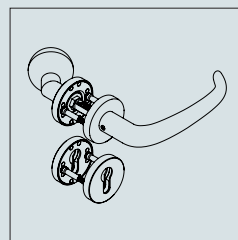
Dimensional drawing



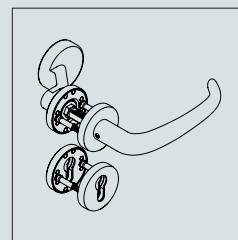
Knob-lever K-135 8 mm



Knob-lever K-165 8 mm



Knob-lever K-160 8 mm



Knob-lever K-116 8 mm

Knob-lever K-135 9 mm

Knob-lever K-165 9 mm

Knob-lever K-160 9 mm

Knob-lever K-116 9 mm

Emergency exit devices

Easy to open in the event of a fire



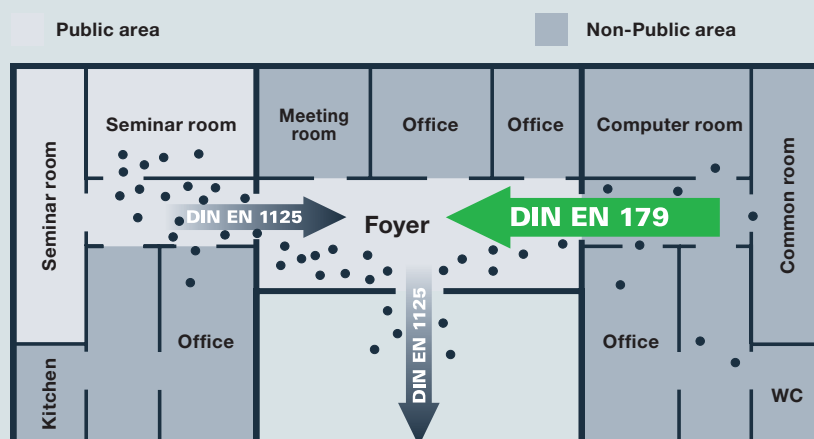
Emergency exit devices are designed for use in emergency situations. During their planning, it is assumed that users are familiar with the emergency exit and its fittings and that panic is extremely unlikely to occur. Emergency exit devices should guarantee safe and effective escape through a door by means of one single handle to unlock the escape door lock. Prior knowledge of how the latch works is a prerequisite for fast operation.

The latch secures the closed door and is released when the door handle is pressed in the direction of escape. If panic is to be expected, the use of fittings in accordance with DIN EN 1125 - Panic exit devices operated by a horizontal bar for use on escape routes - is recommended (see page 32/33).

EN 179



DIN EN 179 (emergency exit devices with lever handle or push pad) lock and trigger element are developed and manufactured matched to one another.



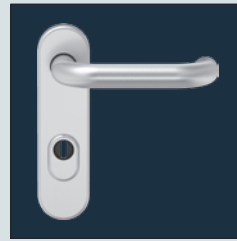
Available plate and rose versions in accordance with EN 179

Emergency exit devices in accordance with **EN 179** are used in buildings or building sections which are closed to the general public and wherever the general public can be excluded. Secondary entrances or doors in these buildings or building sections are only used by authorised persons. Emergency exit devices are operated mechanically via a lever handle or a push pad.

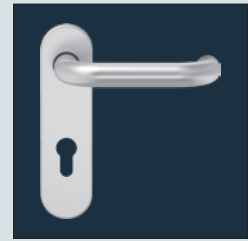
Areas of use:

- Private apartment blocks
- Classrooms in schools
- Non-public administration buildings or industrial companies
- Non-public areas of administration buildings
- Non-public areas of airports, banks, shopping centres

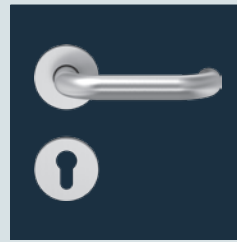
Users have prior knowledge of how to open the escape door.



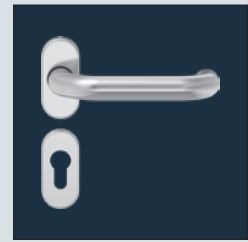
D-110 short plate
SI / ZA



D-110 short plate



D-110 round rose



D-116 oval rose

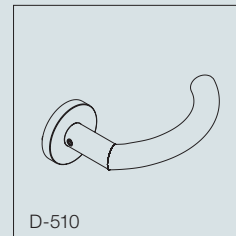
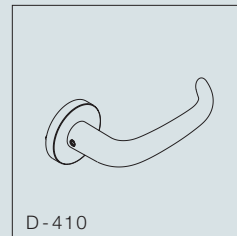
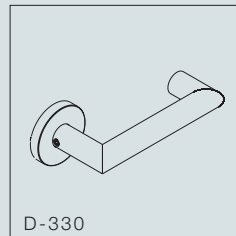
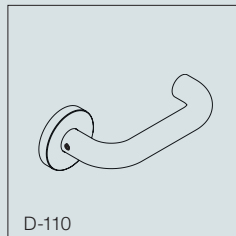
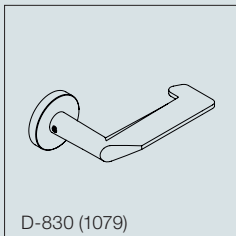
Wood, steel and stainless steel doors / lever handle shapes in accordance with EN 179 / OKL Magis / OGL / round rose



OKL Magis



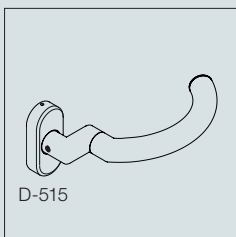
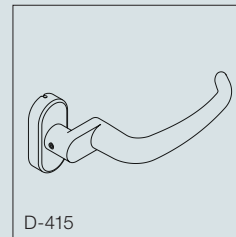
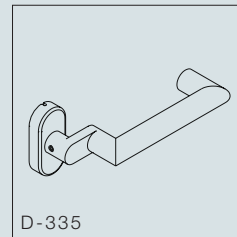
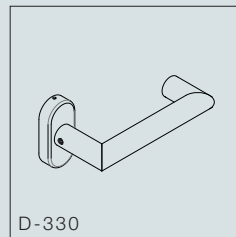
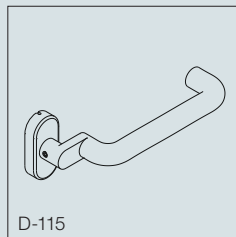
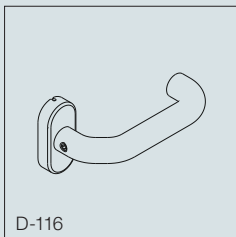
OGL



Profile frame doors / lever handle shapes in accordance with EN179 / OGL / oval rose



OGL



Panic exit devices with horizontal release bar

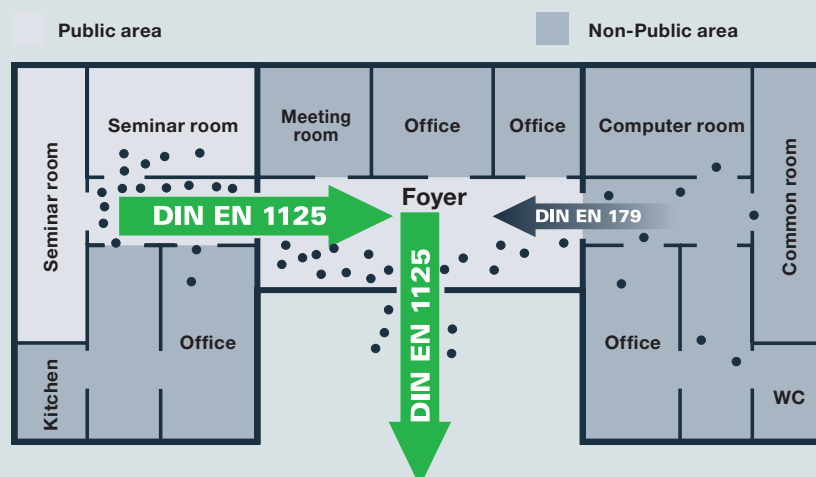
in accordance with EN 1125



Panic lock technology ensures that people can leave a danger zone at any time, even in a panic situation. All they have to do is press the horizontal operating element or a panic handle and the door will open – no matter whether the lock was locked or not. The unlocking solutions also release the exit if a crowd of people pushes against the door. And even children are strong enough to open the door and thus escape a fire or toxic smoke. For panic systems in particular, it is important to see the door as a system: not only the panic exit device, lock and fitting have to interact perfectly for the door to do justice to a potentially fatal situation – door closers and hinges also have a decisive influence on fulfilment of the demanding standard.

EN 1125

Our locking technology fulfils the Euro standards **EN 1125** (Panic exit devices with horizontal release bar).



See the overview of our product family from page 4 for which handle models are available. Only usable as an exit device system in accordance with **EN 1125** with a tested and approved lock.

Versions in accordance with EN 1125

Panic exit devices to DIN EN 1125 are used in public buildings, where the visitors do not know how the escape doors work and where they have to be able to use them in an emergency without any instruction.

Panic exit devices can be operated via a horizontal handle or push bar.

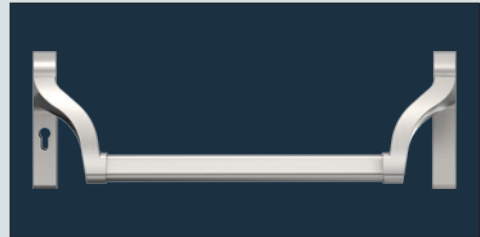
Areas of use:

- Hospitals and clinics
- Escape routes in schools and educational institutions
- Public administration buildings
- Stadiums, arenas and event locations
- Shopping centres

Users have no prior knowledge of how to open the escape door.



Push bar EPN 2000



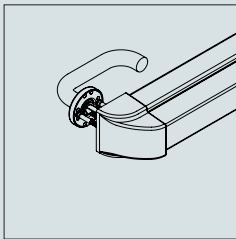
Panic bar EPN 900



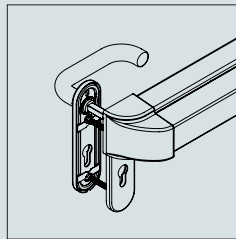
OKL Magis



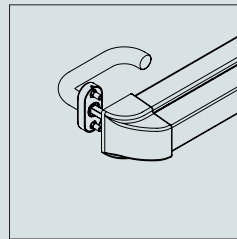
OGL



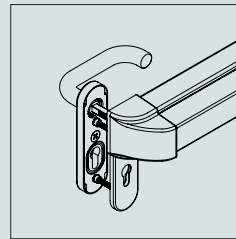
Rose



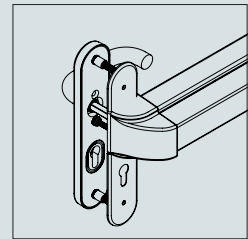
Short plate



Oval rose



Short plate SI ZA



Long plate SI ZA

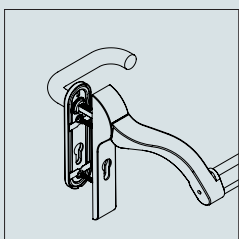
OKL Magis only available on round rose.

Alternatively possible as a counter-fitting variant in the versions illustrated above as knob-lever version. (Page 14 - 29)

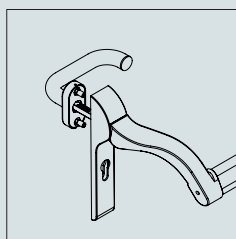
OVR also available for tubular frame.



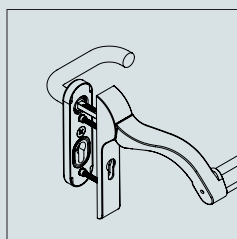
OGL



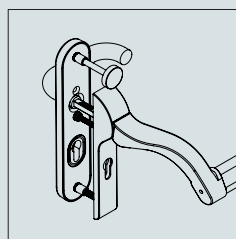
Short plate



Oval rose



Short plate SI ZA



Long plate SI ZA

Alternatively possible as a counter-fitting variant in the versions illustrated above as knob-lever version. (Page 14 - 29)

OVR also available for tubular frame.

Locks working on escape route doors

Versions and areas of application

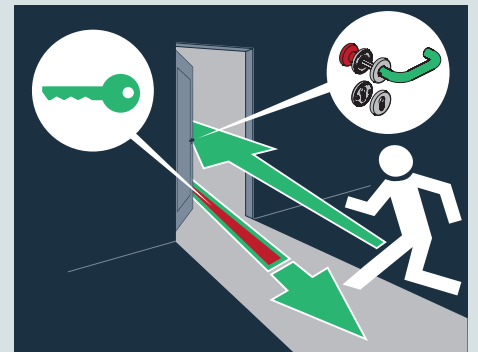
A panic lock works according to a defined principle: if the lever handle or panic bar on the inside is operated, the lock must open promptly under a defined application of force. In this case, not only the latch is drawn back, but also the locked bolt if necessary. This basic function can be refined and varied.

Panic function E – knob-lever function

Panic function E is designed for buildings with access for a defined group of people. There is a blind plate or knob fitted on the outside, the door can only be opened by key. Classic panic function via the lever handle on the inside.

Area of application: Doors to boiler rooms, lift systems, underground car parks / multi-storey car parks, warehouses and office blocks, entrance doors in apartment blocks and multi-family homes.

Suitable lock types ECO 111, ECO 121

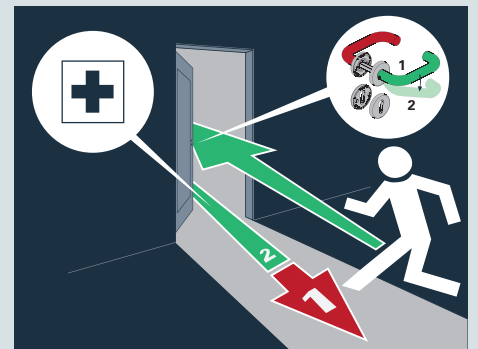


Panic function D – passage function

Panic function D is designed for pure escape doors which are not otherwise used: following a classic panic operation from the inside the door is not only opened, the outer lever handle is disengaged as well. In this setting, the door is no longer an obstacle for entry to nor escape from the building. The original function can be restored by a key. Engagement takes place mechanically through a two-part follower.

Area of application: Escape doors in administration/ office buildings, old people's homes, secondary entrance doors (e.g. schools and hotels).

Suitable lock types ECO 112, ECO 115, ECO 122, ECO 125

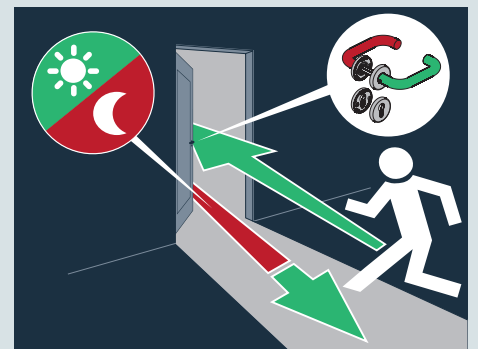


Panic function B – switchover function

Panic function B with a lever handle on both sides is designed for buildings accessible to the general public: whereas the lever handle on the inside has a classic panic function, the lever handle on the outside can be disengaged or engaged mechanically as required. Engagement of the two lever handles takes place mechanically through a two-part follower.

Area of application: Escape doors in administration buildings, old people's homes, secondary entrance doors (e.g. schools and hotels).

Suitable lock types ECO 113, ECO 116, ECO 123, ECO 126

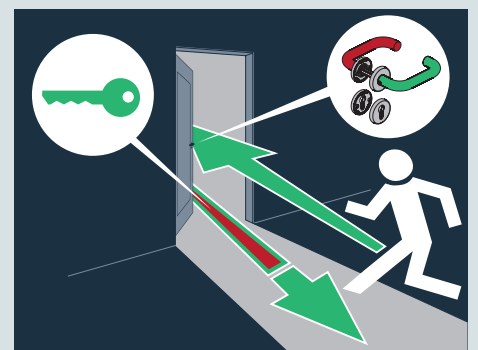


Panic function C – forced closing function

Panic function C with a lever handle on both sides is designed for buildings accessible to the general public: Whereas the lever handle on the inside has a classic panic function, the lever handle on the outside is usually disengaged (idle function) and can only be disengaged and engaged through a key position (opening position) (forced closing). However, the key can only be removed when the idle function has been restored.

Area of application: Escape doors in administration buildings, old people's homes, secondary entrance doors (e.g. schools and hotels).

Suitable lock types ECO 114, ECO 117, ECO 124, ECO 127

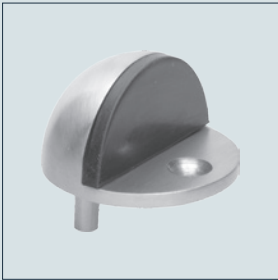


Accessories

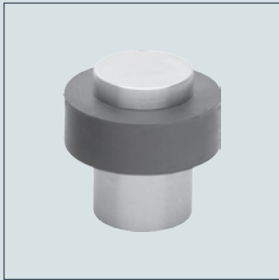
Door stops for the floor and wall



ER



Door stop BS 44



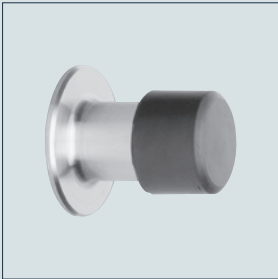
Door stop BS 45



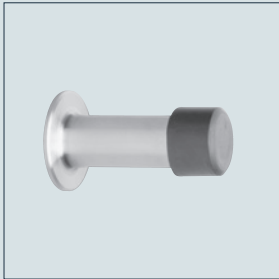
Door stop BS 65



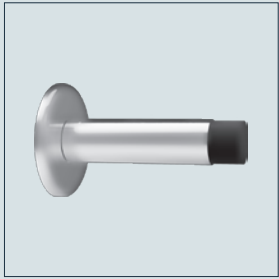
Height compensation plate for door stop BS 65



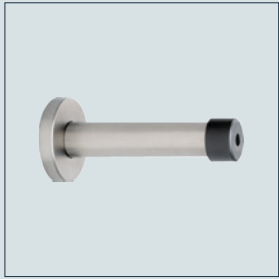
Door stop for walls WS 46



Door stop for walls WS 76



Door stop for walls WS 84



Door stop for walls WS 96

Hörmann: Quality without Compromise



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Hörmann Legnica Sp. z o.o., Poland



Hörmann Beijing, China



Hörmann Tianjin, China



Hörmann LLC, Montgomery IL, USA



Hörmann Flexon LLC, Burgettstown PA, USA



Shakti Hörmann Ltd., India

Hörmann is the only manufacturer worldwide that offers you a complete range of all major building products from one source. We manufacture in highly-specialised factories using the latest production technologies. The close-meshed network of sales and service companies throughout Europe, and activities in the USA and Asia, make Hörmann your strong partner for first-class building products, offering "Quality without Compromise".

GARAGE DOORS
OPERATORS
INDUSTRIAL DOORS
LOADING EQUIPMENT
HINGED DOORS
DOOR FRAMES