



Door Fittings

In Design & Function

4Ddoors
FOR HOME AND INDUSTRY

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>
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Product family D-400



D-410
Page 22



D-490
Page 28

Product family D-500



D-510
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D-510
Page 25



D-515
Page 25

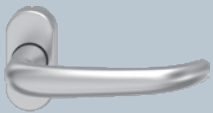
Product family D-800



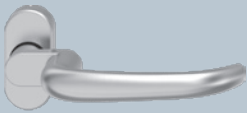
D-810 (1073)
Page 14



D-830 (1079)
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D-410
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D-415
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D-810 (1073)
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D-830 (1079)
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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.

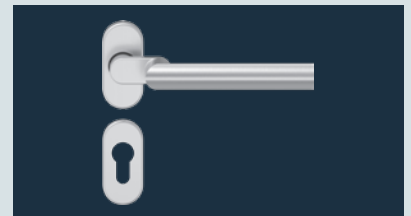
Rose handles display program switches

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.



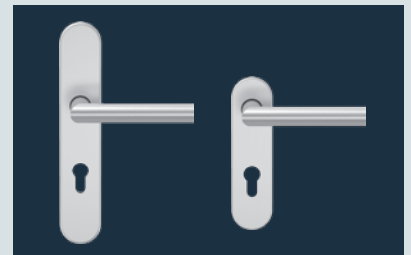
Oval rose handles

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.

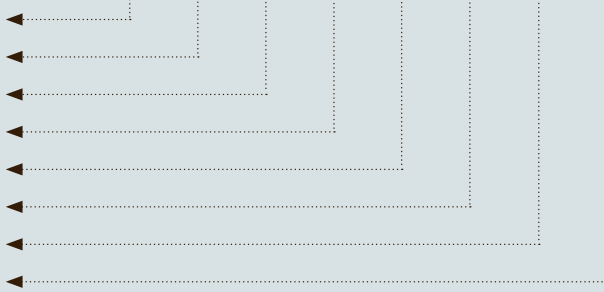
Here is the classification key using the example of the OKL Magis handle.

*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

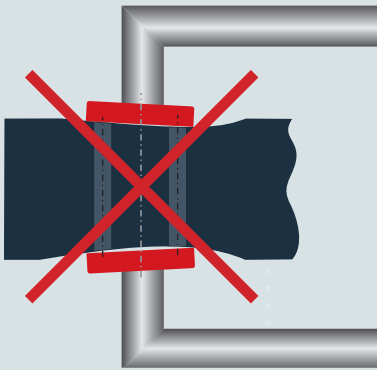
OKL Magis

The solution for extremely demanding requirements

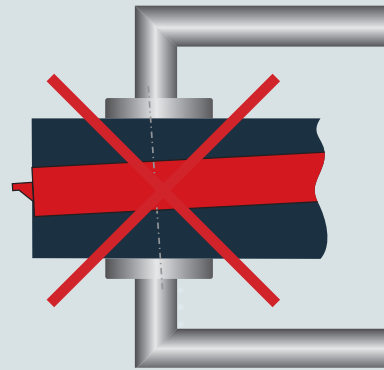


The new flexible bearing solves customary problems during handle installation with ease:

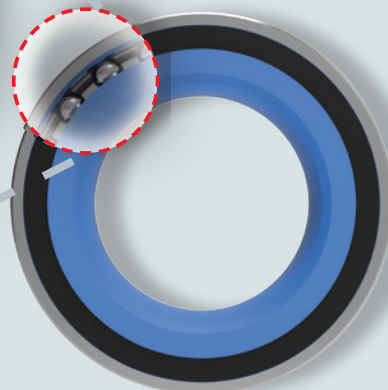
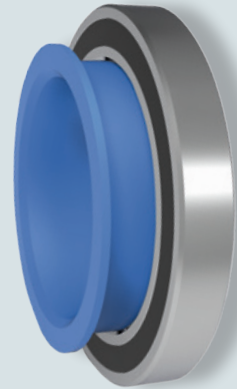
Screws tightened too far
(deformation of the door leaf)



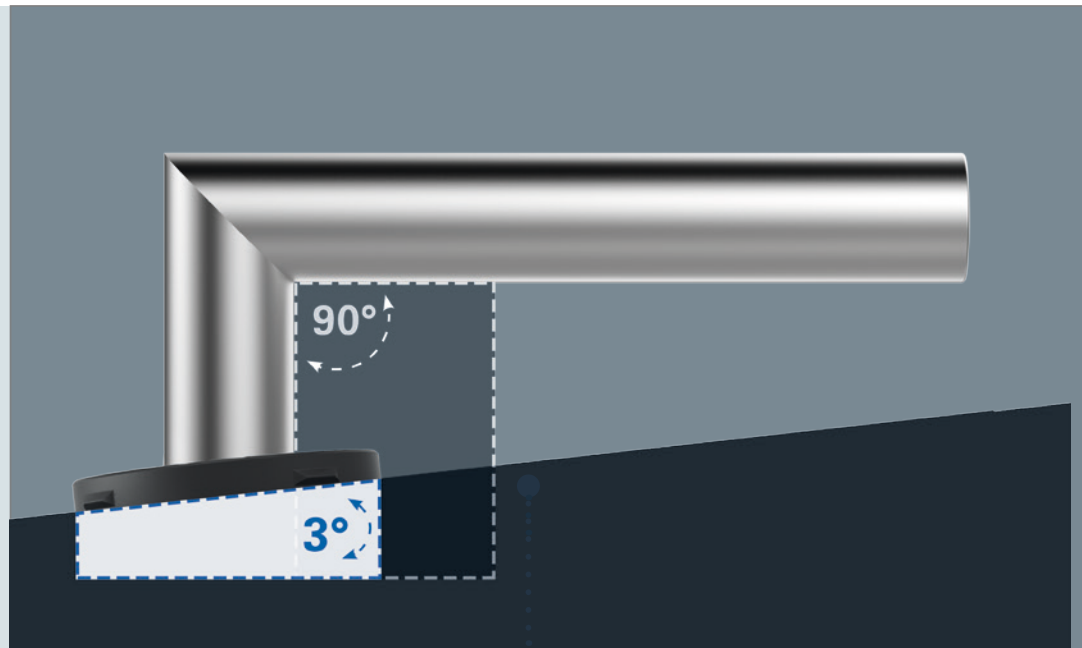
Tolerance error during lock installation
(case is skewed)



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°.



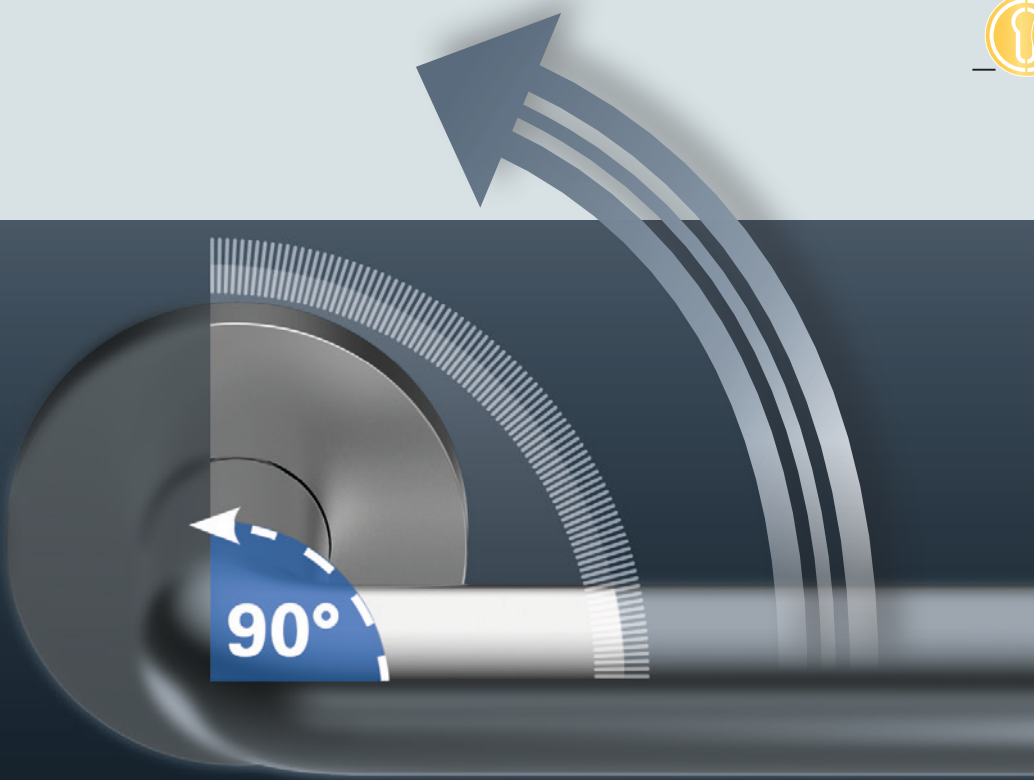
Technical notes:

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

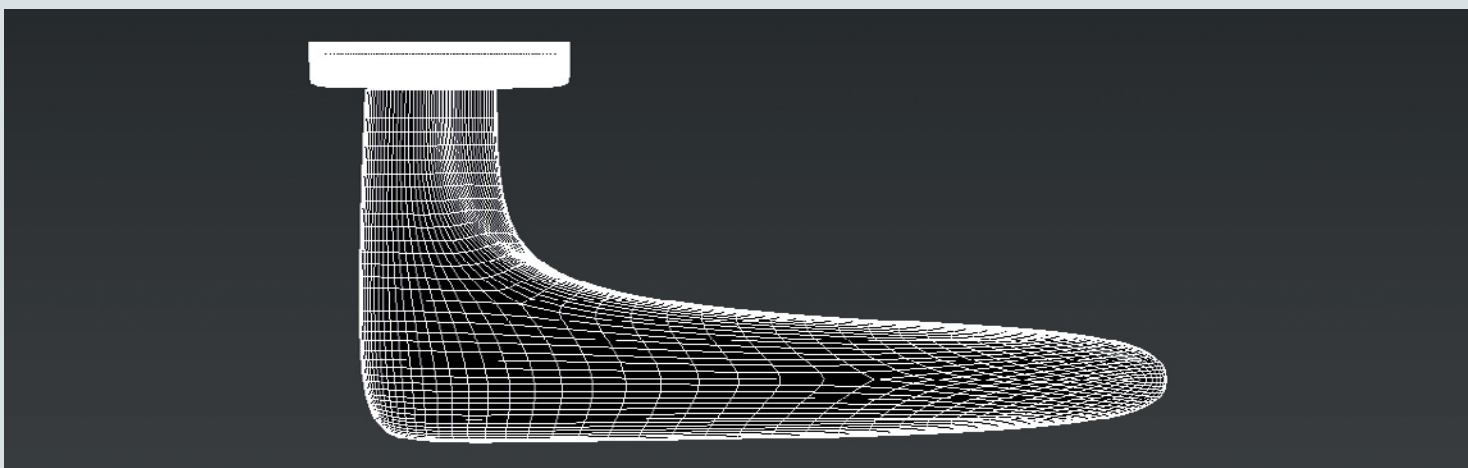
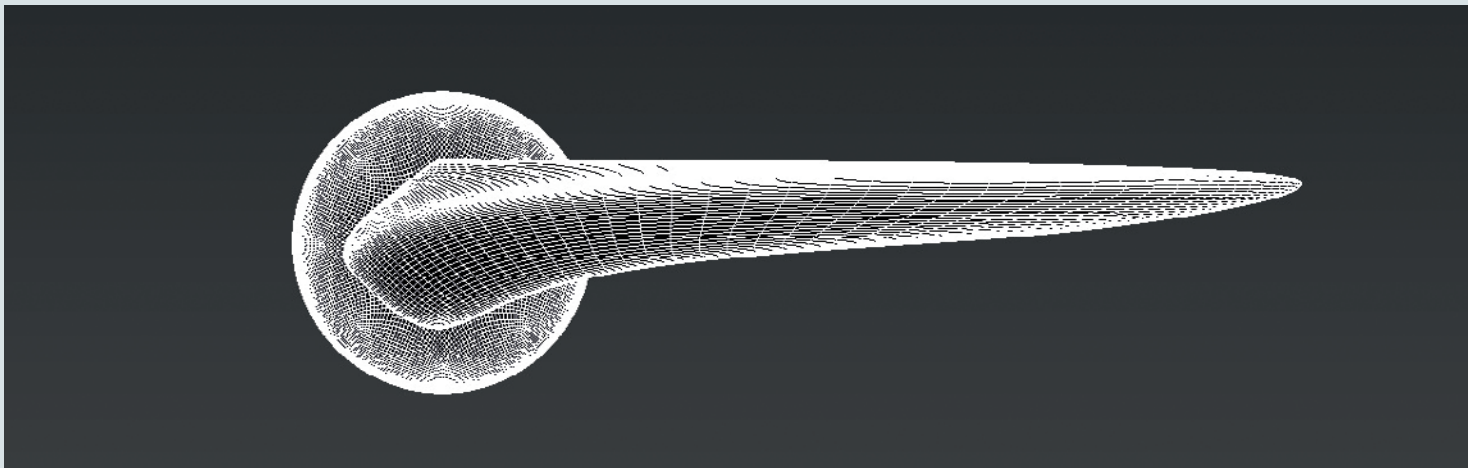
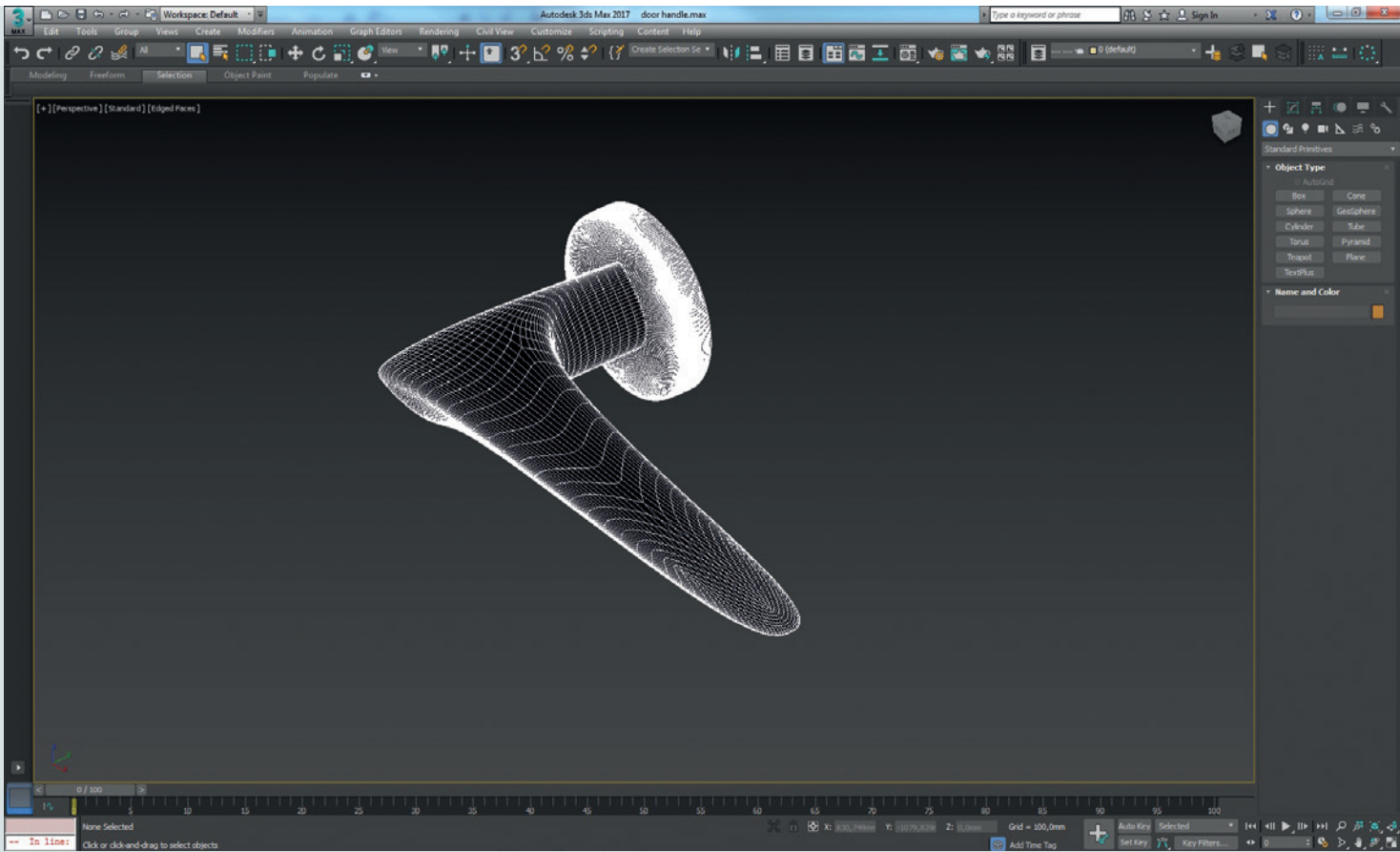
100 mm from the handle turning point.”

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/>



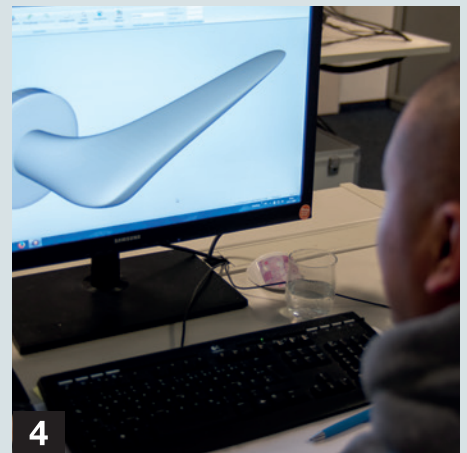
1



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

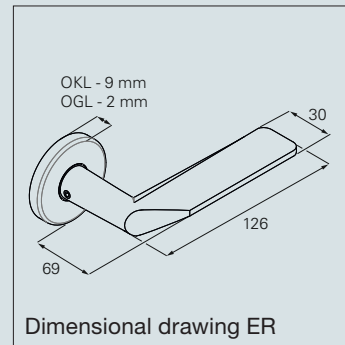
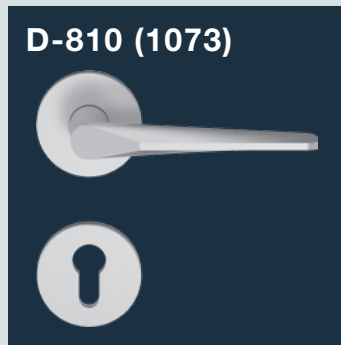
- Fire and smoke protection tubular frame elements
- Multi-function doors OD
- Function doors
- Steel and stainless steel doors STS / STU
- Doors for residential rooms



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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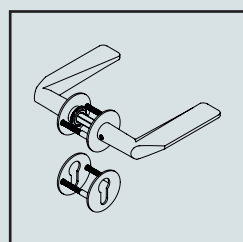
D9 = MPA *plus* - 1 million test cycles

OGL

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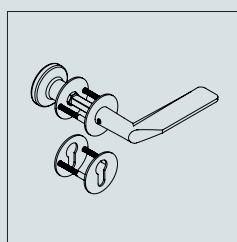
*Version 9 mm with fire protection
Version 8 mm without fire protection but with "0" instead

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



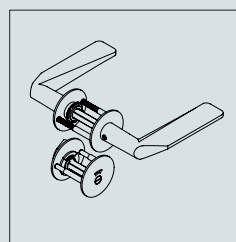
PZ 8 mm

PZ 9 mm **F**



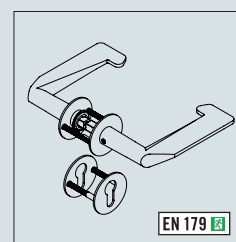
Knob-lever 8 mm

Knob-lever 9 mm **F**



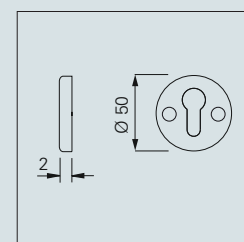
WC 8 mm

WC 9 mm



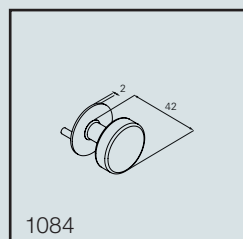
PZ 9 mm **F**

Split spindle

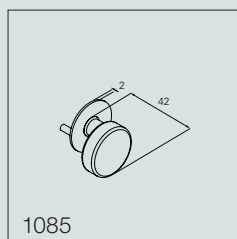


Dimensional drawing

Rose with visible screws on one side.



1084

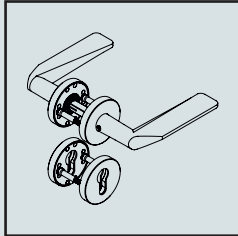


1085

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

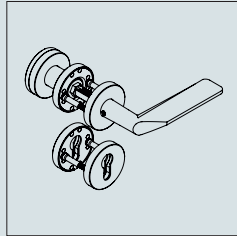


OKL Magis



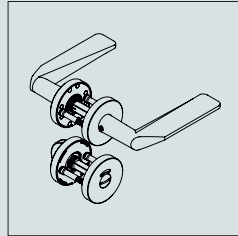
PZ 8 mm

PZ 9 mm **F**



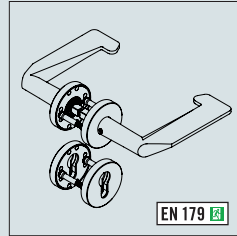
Knob-lever 8 mm

Knob-lever 9 mm **F**



WC 8 mm

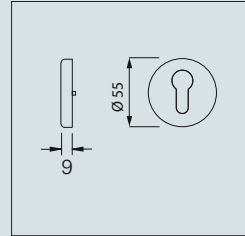
WC 9 mm



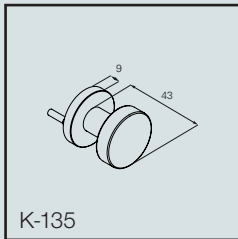
PZ 9 mm **F**

Split spindle

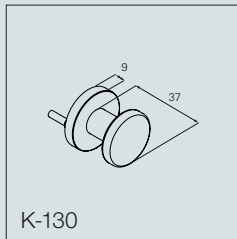
EN 179 **A**



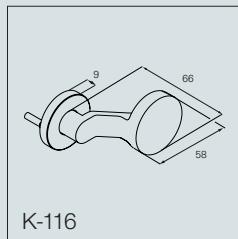
Dimensional drawing



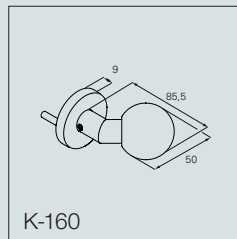
K-135



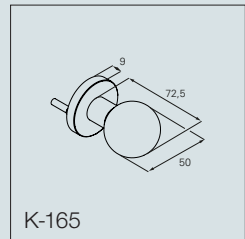
K-130



K-116



K-160

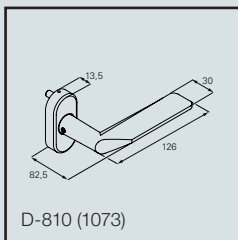


K-165

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

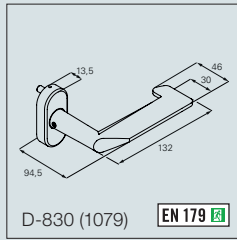


OGL



D-810 (1073)

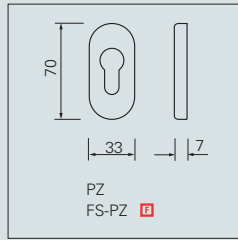
9 mm **F**



D-830 (1079)

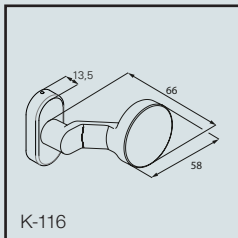
EN 179 **A**

9 mm **F**



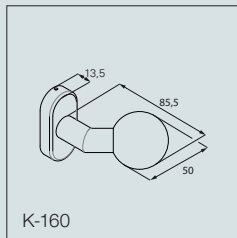
Dimensional drawing

PZ
FS-PZ **F**



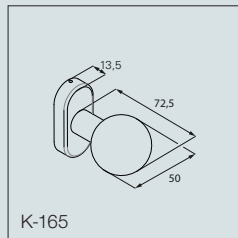
K-116

9 mm **F**



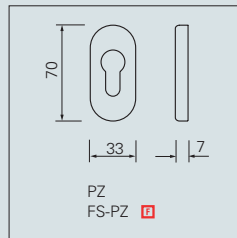
K-160

9 mm **F**



K-165

9 mm **F**



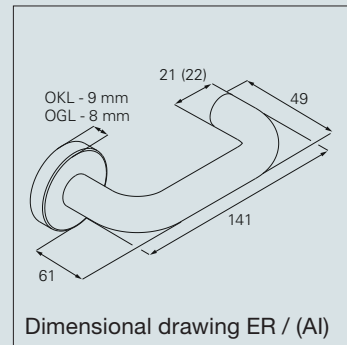
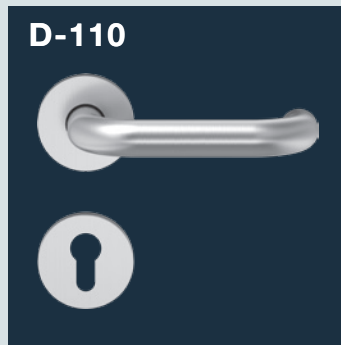
Dimensional drawing

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



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
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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
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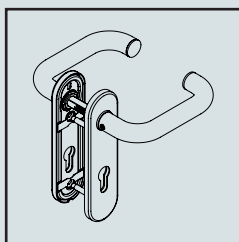
Material / finish
Aluminium



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

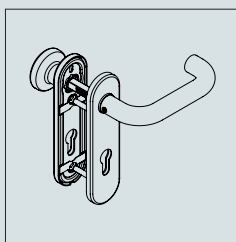
*Version 9 mm with fire protection
Version 8 mm without fire protection but with "0" instead

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



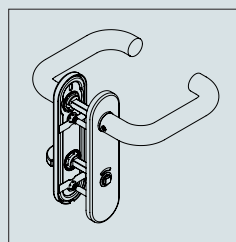
PZ 8 mm

PZ 9 mm **F**



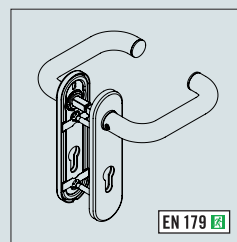
Knob-lever 8 mm

Knob-lever 9 mm **F**

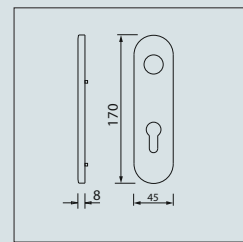


WC 8 mm

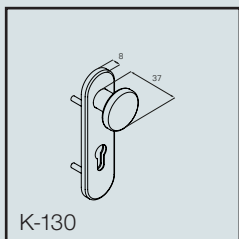
WC 9 mm



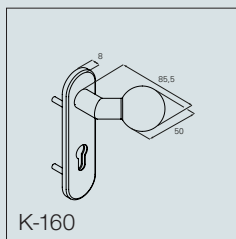
PZ 9 mm **F**
Split spindle



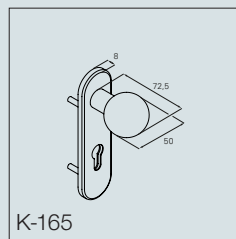
Dimensional drawing



K-130



K-160



K-165

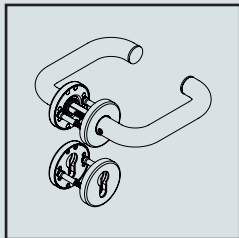
Wood, steel and stainless steel doors / D-110 round rose / knobs



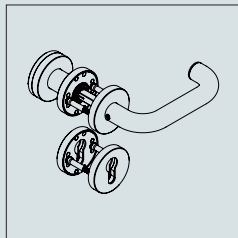
OKL Magis



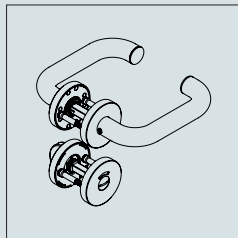
OGI



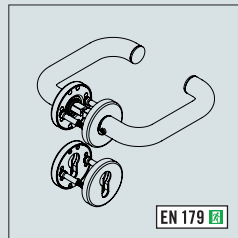
PZ 8 mm
PZ 9 mm **F**



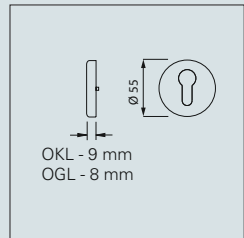
Knob-lever 8 mm
Knob-lever 9 mm **F**



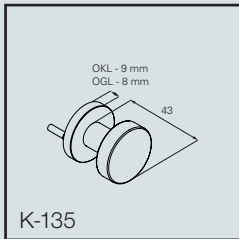
WC 8 mm
WC 9 mm



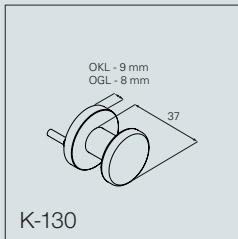
PZ 9 mm **F**
Split spindle



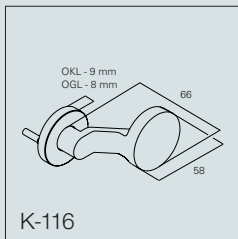
Dimensional drawing



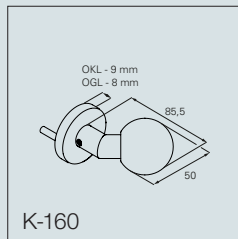
K-135



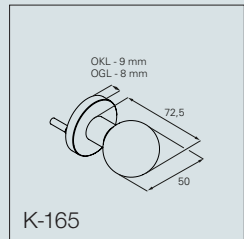
K-130



K-116



K-160

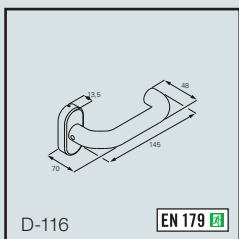


K-165

Profile frame doors / oval rose / knobs

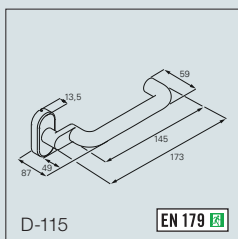


OGI



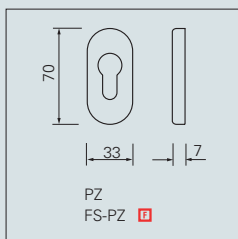
D-116

EN 179 **F**



D-115

EN 179 **F**

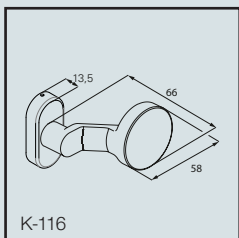


Dimensional drawing

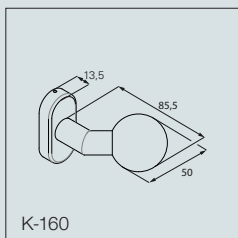
PZ
FS-PZ **F**

9 mm **F**

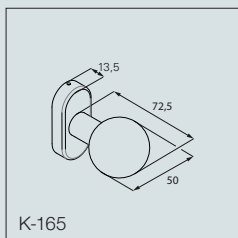
9 mm **F**



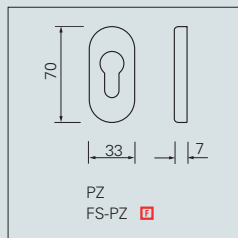
K-116



K-160



K-165



Dimensional drawing

PZ
FS-PZ **F**

9 mm **F**

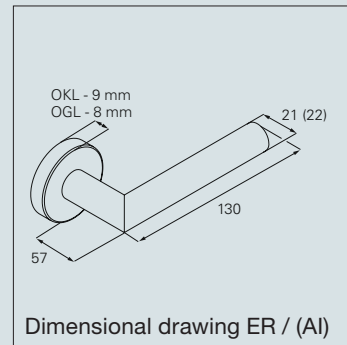
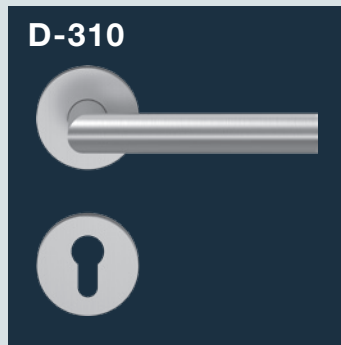
9 mm **F**

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



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.

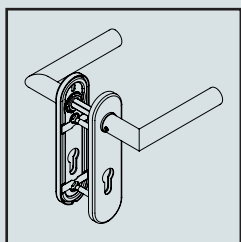


Material / finish
Aluminium



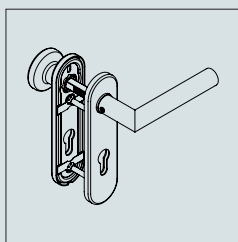
We also offer solutions to match your individual requirements. Just contact us!

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



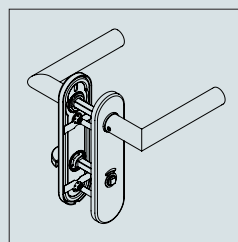
PZ 8 mm

PZ 9 mm **F**



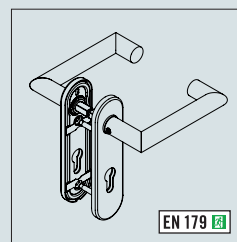
Knob-lever 8 mm

Knob-lever 9 mm **F**



WC 8 mm

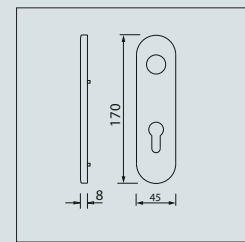
WC 9 mm



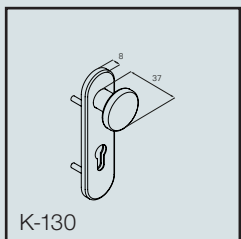
PZ 9 mm **F**

Split spindle

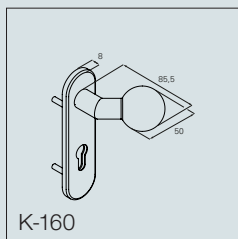
EN 179 **E**



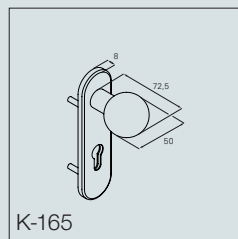
Dimensional drawing



K-130



K-160



K-165

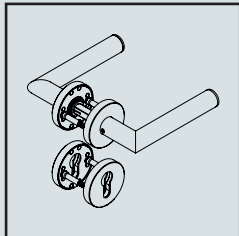
Wood, steel and stainless steel doors / D-310 / D-330 round rose / knobs



OKL Magis

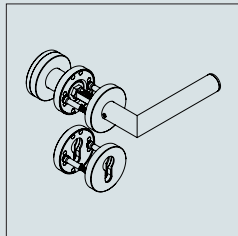


OGI



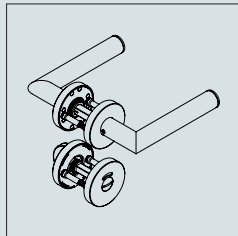
PZ 8 mm

PZ 9 mm **F**



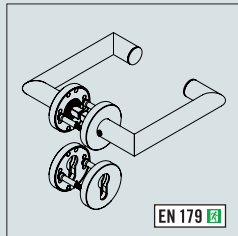
Knob-lever 8 mm

Knob-lever 9 mm **F**



WC 8 mm

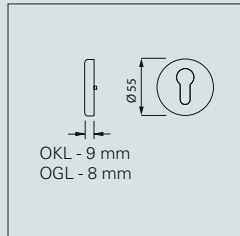
WC 9 mm



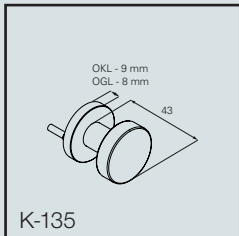
PZ 9 mm **F**

Split spindle

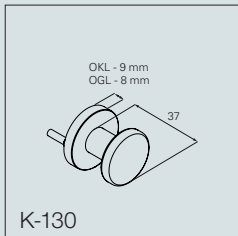
EN 179 **EN**



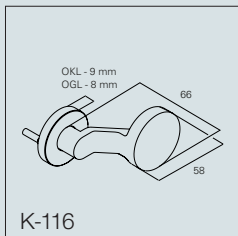
Dimensional drawing



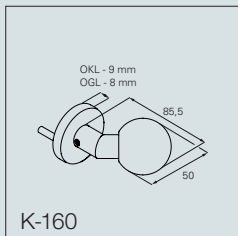
K-135



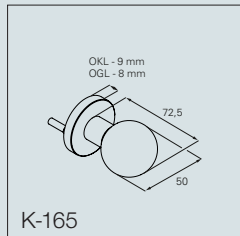
K-130



K-116



K-160

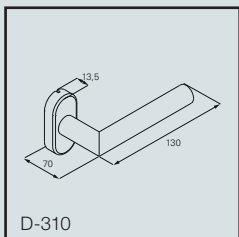


K-165

Profile frame doors / oval rose / knobs

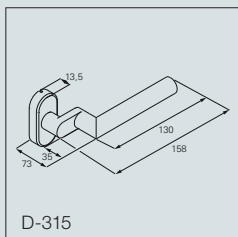


OGI



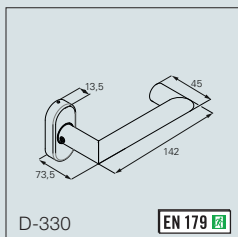
D-310

9 mm **F**



D-315

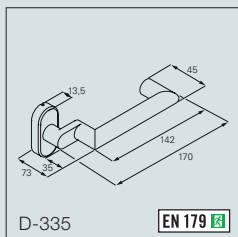
9 mm **F**



D-330

9 mm **F**

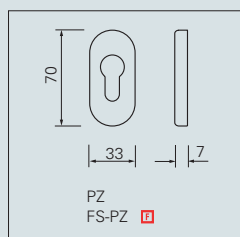
EN 179 **EN**



D-335

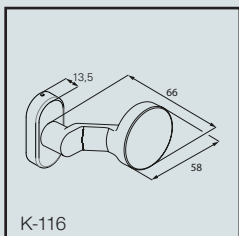
9 mm **F**

EN 179 **EN**



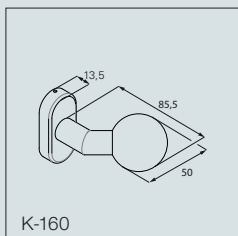
Dimensional drawing

PZ
FS-PZ **F**



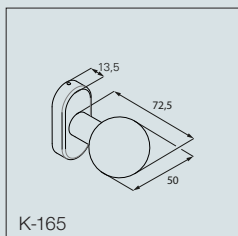
K-116

9 mm **F**



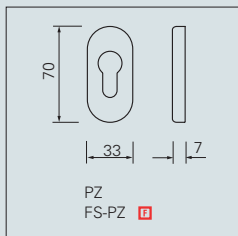
K-160

9 mm **F**



K-165

9 mm **F**



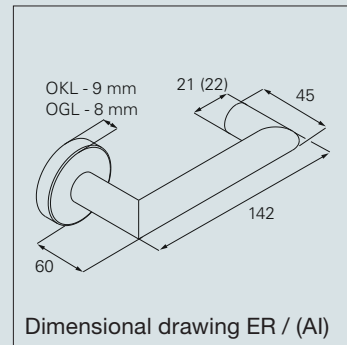
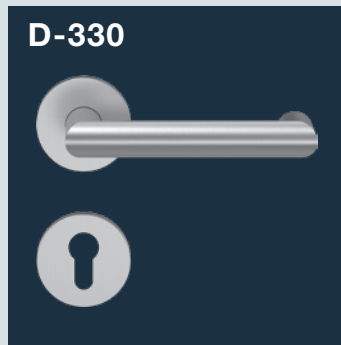
Dimensional drawing

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.

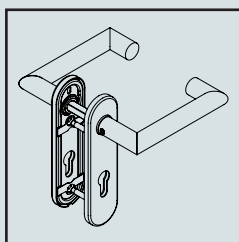


Material / finish
Aluminium



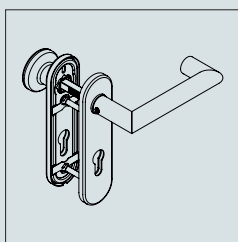
We also offer solutions to match your individual requirements. Just contact us!

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



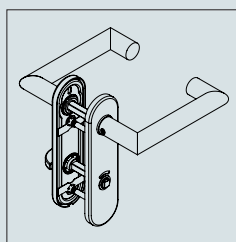
PZ 8 mm

PZ 9 mm **F**



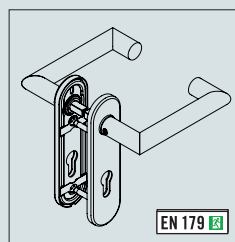
Knob-lever 8 mm

Knob-lever 9 mm **F**



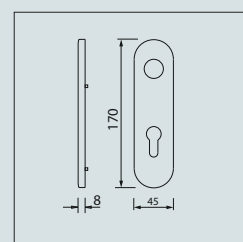
WC 8 mm

WC 9 mm

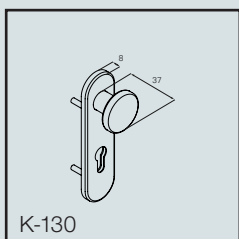


PZ 9 mm **F**

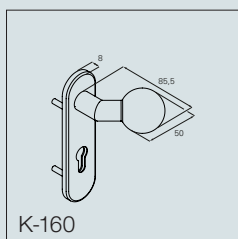
Split spindle



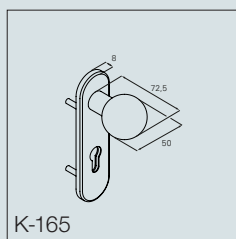
Dimensional drawing



K-130



K-160



K-165

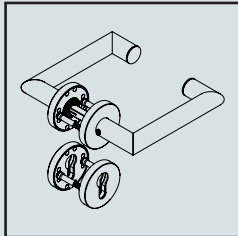
Wood, steel and stainless steel doors / D-330 round rose / knobs



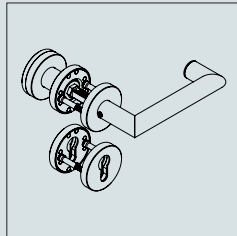
OKL Magis



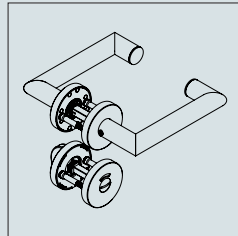
OGI



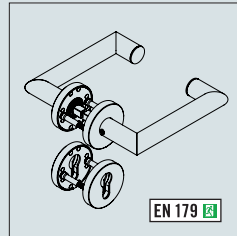
PZ 8 mm
PZ 9 mm **F**



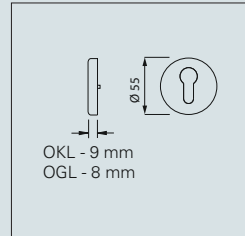
Knob-lever 8 mm
Knob-lever 9 mm **F**



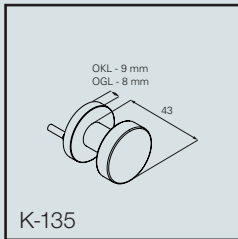
WC 8 mm
WC 9 mm



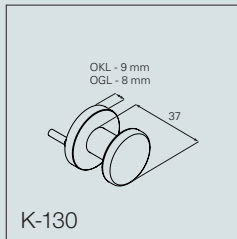
PZ 9 mm **F**
Split spindle



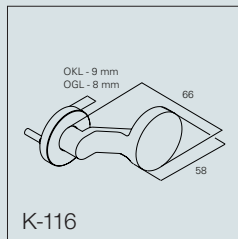
Dimensional drawing
OKL - 9 mm
OGI - 8 mm



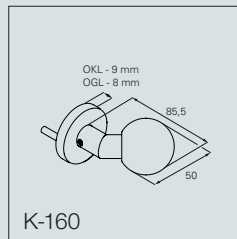
K-135



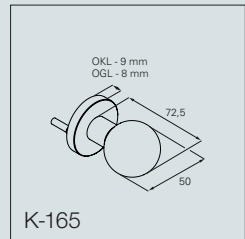
K-130



K-116



K-160

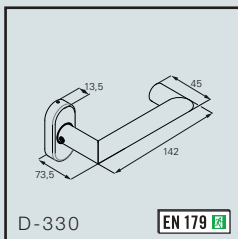


K-165

Profile frame doors / oval rose / knobs

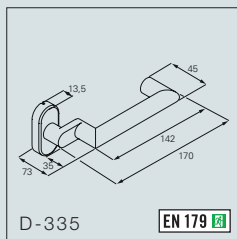


OGI



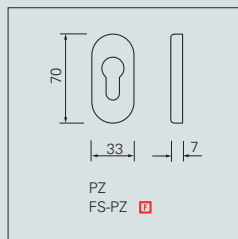
D-330

EN 179



D-335

EN 179

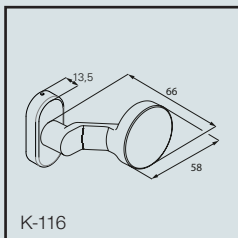


Dimensional drawing

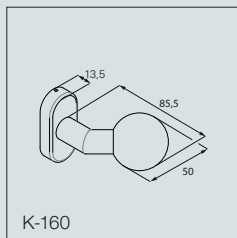
9 mm **F**

9 mm **F**

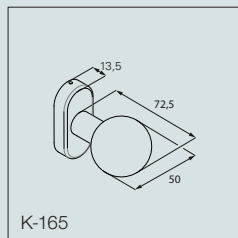
PZ
FS-PZ **F**



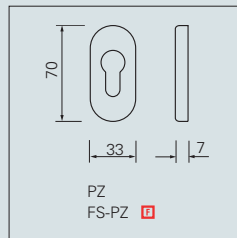
K-116



K-160



K-165



Dimensional drawing

9 mm **F**

9 mm **F**

PZ
FS-PZ **F**