



# BUILT TO A MODEL OF DURABILITY

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CORE. The new lever handle series for  
long-lasting performance & timeless design.

**OGRO**

# THE NEW CORE LEVER HANDLE SERIES

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The benefits at a glance



For narrow and full leaf doors

## Hassle-free from order placement to installation

- Lever handle sets of the CORE series are non-handed to simplify ordering, stocking and installation
- Long support lugs allow CORE lever handles to be fixed to wide stile/timber doors with thicknesses from 38 mm to 63 mm (optional accessories kit for door thicknesses from 64 mm to 72 mm)
- A new form of product packaging means all the separate parts are visible and easy to retrieve
- The pre-assembled threaded plate saves valuable installation time

## From easy fixing to care-free usage

- Four strong springs ensure a perfect return to the horizontal rest position
- Certified high quality with a Grade 4 category of use, Grade 5 corrosion resistance and more than 1 million operating cycles under test conditions



# EASY SIMPLICITY: NON-HANDED TO AVOID CONFUSION

For hassle-free order placement, stocking and installation.



## Non-handed configuration:



1 Rest position



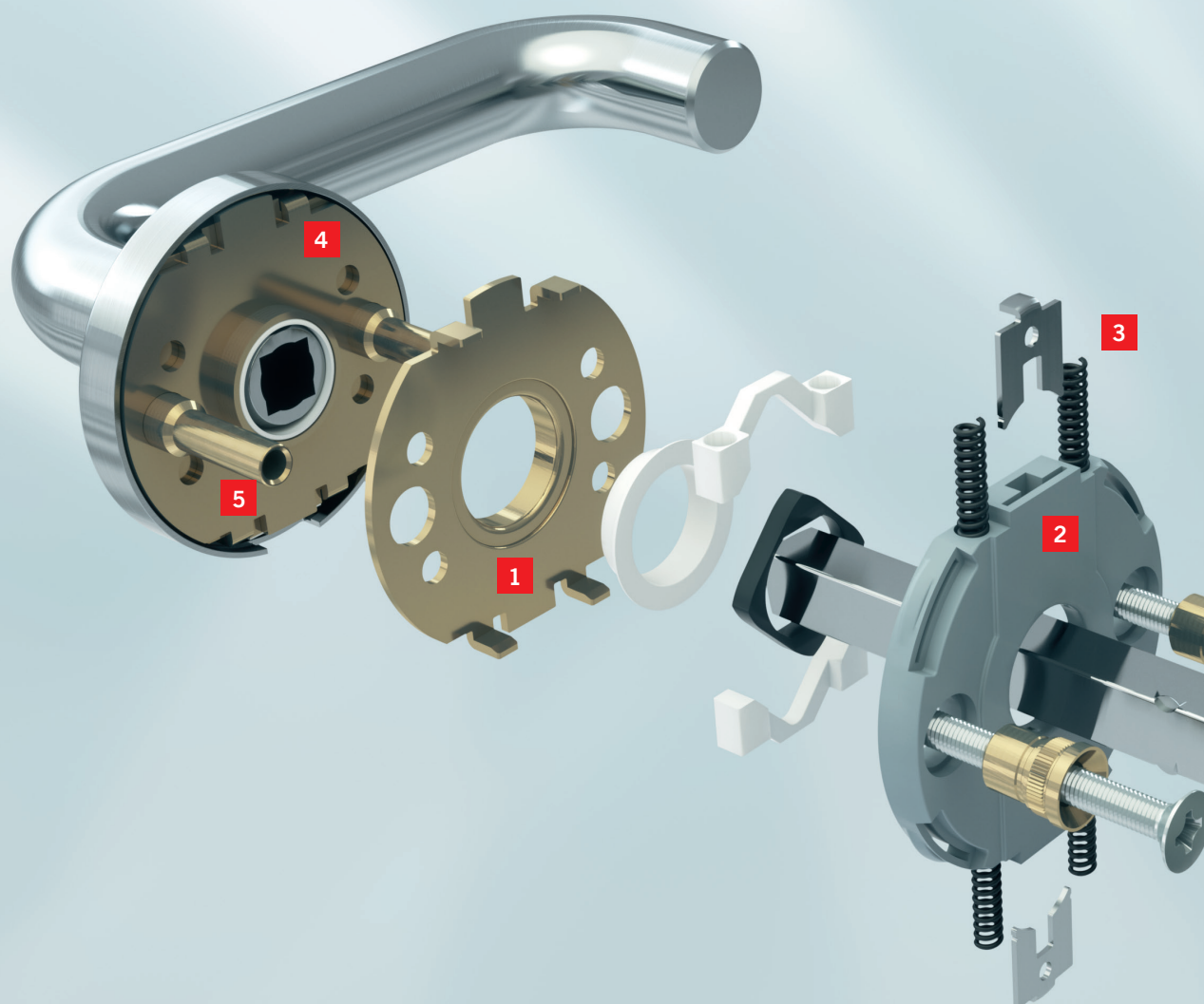
2 Return spring tension on operation



3 Non-handed configuration

# TECHNOLOGY THAT OPENS DOORS

... and delights people.



**1 Long-lasting performance thanks to corrosion-protected steel baseplate**

The steel baseplates ensure the reliable transmission of even high forces to the door leaf, thus protecting the lever handle assembly and lock.

**2 Robust plain bearings for smooth operation in project applications**

The maintenance-free plain bearings reliably absorb lateral forces in the push and pull directions, specifically protecting the spindle socket (follower) from overload.



**3 Four return springs for a perfectly horizontal rest position**

Four return springs ensure that CORE lever handles develop zero droop, even when applied in high-frequency and heavy-duty situations.

**5 Easy fixing with extended support lugs**

Long support lugs ensure that, in wide stile/timber doors, thicknesses of between 38 mm and 63 mm can be covered with one screw length.



**4 Innovative non-handed configuration for hassle-free stocking and installation**

Lever handles of the CORE series are non-handed to simplify order placement, stocking and installation.

**6 A design that opens doors and delights the people that use them**

Manufactured in aluminum or stainless steel, lever handles of the CORE series combine high-quality materials with classic design, offering the right hardware solution for every building.

# CERTIFIED HIGH PERFORMANCE

The reliable choice for project applications.

## Meets the highest demands – our own

International standardization is a cumbersome process that often requires several years to complete. Any product development aligned to the requirements specified in conventional standards may ignore potential customer benefits.

In the development of the CORE lever handle series, we aim to satisfy the requirements not just of current standards, but also those of our customers – and our own high demands in particular!

## Better than DIN EN 1906

DIN EN 1906 specifies 200,000 operating cycles as a requirement for achieving the highest durability rating. However, this number has been significantly exceeded by the CORE lever handle series with more than 1 million operating cycles successfully

completed in a durability test.

## Classification coding system to DIN EN 1906 for OGRO CORE

	4	7	–	D1/C1*	1	5	0	A**	
<b>Category of use</b> <b>Grade 1:</b> Moderate frequency of use by persons who are inclined to take the utmost care and are unlikely to use the fittings incorrectly, e.g., interior doors in residential buildings <b>Grade 2:</b> Moderate frequency of use by persons who are inclined to take care but may possibly use the fittings incorrectly, e.g., interior doors in office buildings <b>Grade 3:</b> Frequent use by public or other persons who are not inclined to take care and are extremely likely to use the fittings incorrectly, e.g., doors in office buildings with public access <b>Grade 4:</b> Suitable for use on doors that are frequently subjected to applied force or property damage, e.g., in football stadiums, oil rigs, military bases or public toilets  <b>Durability</b> <b>Grade 6:</b> Moderate frequency of use: 100,000 test cycles <b>Grade 7:</b> High frequency of use: 200,000 test cycles  <b>Door mass:</b> No classification  <b>Fire resistance</b> <b>Grade 0:</b> No fire rating specified <b>Grade A:</b> Suitable for use on smoke control doors <b>Grade A1:</b> Suitable for use on smoke control doors, tested with 200,000 cycles on a test door <b>Grade B:</b> Suitable for use on smoke control and fire resistant doors <b>Grade B1:</b> Suitable for use on smoke control and fire resistant doors, tested with 200,000 cycles on a test door <b>Grade C:</b> Suitable for use on smoke control and fire resistant doors with requirements for fire protection inlays in backplate, rose and escutcheon <b>Grade C1:</b> Suitable for use on smoke control and fire resistant doors with requirements for fire protection inlays in backplate, rose and escutcheon, tested with 200,000 cycles on a test door <b>Grade D:</b> Suitable for use on smoke control and fire resistant doors with requirements for a special core in the handle/knob <b>Grade D1:</b> Suitable for use on smoke control and fire resistant doors with requirements for a special core in the handle/knob, tested with 200,000 cycles on a test door									<b>Type of operation</b> <b>A = spring-assisted furniture</b> B = spring-loaded furniture U = unsprung furniture  <b>Security</b> <b>0 = No security rating specified</b> 1 = low forced entry resistance 2 = moderate forced entry resistance 3 = high forced entry resistance 4 = extremely high forced entry resistance  <b>Corrosion resistance</b> 0 = no defined corrosion resistance 1 = low corrosion resistance 2 = moderate corrosion resistance 3 = high corrosion resistance 4 = very high corrosion resistance <b>5 = extremely high corrosion resistance</b>  <b>Safety</b> <b>Grade 1: Safety applications</b>
									* Aluminum version: Grade D1 Stainless steel version: Grade C1  ** Type of operation "U" optionally available for inactive door leaves

# NOT JUST DURABLE BUT SUSTAINABLE AS WELL

Data and features		Furniture sets for	
		Wide stile doors	Narrow stile doors
Return springing		+	+
Return springing, non-handed		+	+
Stabilizing bushing (factory-fitted)		+	+
Category of use	DIN EN 1906	4	4
Certified for doors in emergency escape routes	DIN EN 179:2008	•	•
Tested to	DIN EN 1634-1*	+	+
Certified for fire resistant and smoke control doors	DIN 18273	+	+
Environmental product declaration to ISO 14025 Program operator: Institut Bauen und Umwelt e.V. Declaration number: EPD-OGR-20170198-IBA1-DE		+	+
Steel baseplates		+	+
Extended support lugs on the baseplates		+	–
Door thicknesses in mm		38–72	
One screw length for the entire door thickness range		38–63	
Back-to-back fixing		+	–
Maintenance-free plain bearing		+	+
Furniture sets	Standard	+	+
	Entrance	+	+
	WC	+	–
Material	Stainless steel, satinized	+	+
	Aluminum, F1 silver/mill finish	+	+

+ Yes – No ○ Optional • Approvals depend on model

\* National standards may need to be satisfied for use on fire resistant and smoke control doors

## Not just durable but sustainable as well

Environmental awareness is one of our CORE values. The objectives of OGRO are aligned to energy- and resource-conserving production, ensuring a high recycling return and the manufacture of quality products that last.

The CORE product line is manufactured to the latest standards and comes with a voluntary environmental product declaration (EPD) to ISO 14025. The availability of EPDs helps in the acquisition of building certificates as issued, e.g., by the LEED Green Building Council.

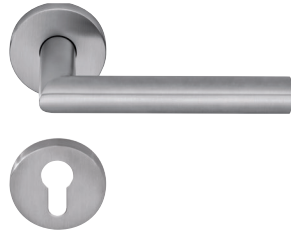


# THE RIGHT LEVER HANDLE FOR EVERY DOOR

Suitable for both narrow and full leaf doors.



CORE 8100



CORE 8906



CORE 8907



CORE 8999



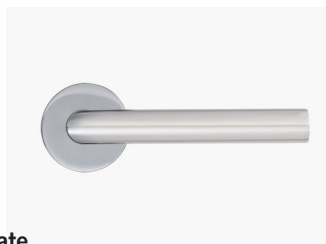
CORE 3020



CORE 3548

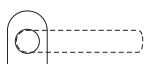
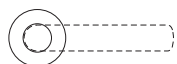
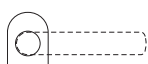
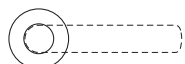


Aluminum or stainless steel



## Circular rose or short backplate

Lever handles of the CORE series are available for full leaf doors with a circular rose or a short backplate.



**F** DIN EN 1634-1: Fire resistance and smoke control tests for doors

DIN 18273: Lever handle units for fire doors and smoke control doors



**E** DIN EN 179: Emergency exit devices operated by a lever handle

■ Stainless steel

■ Aluminum

These models are exclusively supplied as complete furniture sets with springing, including fixing materials and spindle (for door thicknesses from 38 mm to 63 mm). Accessory kit necessary for door thicknesses from 64 mm to 72 mm.

All CORE wide stile/timber door furniture sets are also available without springing for inactive door leaves.





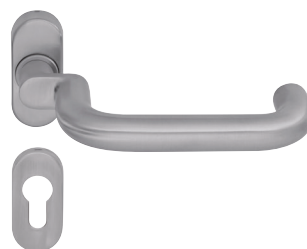
**CORE 8100**

**F** **E** ■ ■



**CORE 8100V**

**F** **E** ■ ■



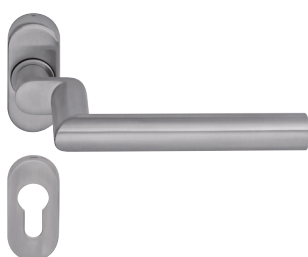
**CORE 8100A**

**F** **E** ■ ■



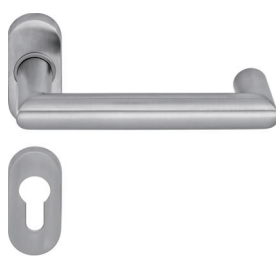
**CORE 8906**

**F** ■ ■



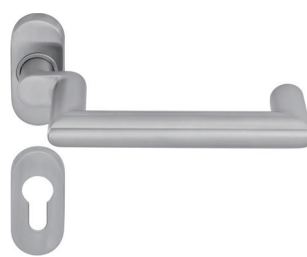
**CORE 8906A**

**F** ■ ■



**CORE 8907**

**F** **E** ■ ■



**CORE 8907A**

**F** **E** ■ ■



**CORE 8999**

**F** **E** ■ ■



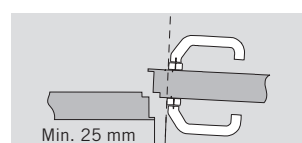
**CORE 8999A**

**F** **E** ■ ■



**CORE 3548V**

**F** ■ ■



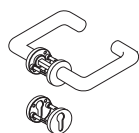
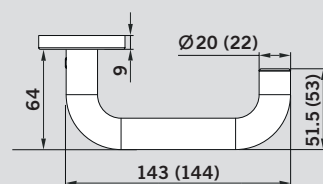
Please note: There must be a minimum clearance of 25 mm between the lever handle and the closing edge of the meeting stile.

Supplied with oval rose and springing. Square spindle must be separately ordered. These sets are supplied without fixing materials.

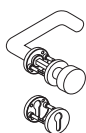
# LEVER HANDLE SETS FOR FULL LEAF DOORS

## CORE 8100

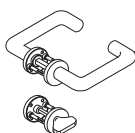
**F** **E** ■ ■



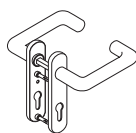
CORE 8100/  
6500/6612



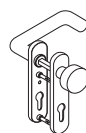
CORE 8100/  
6500/3020/6612



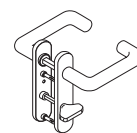
CORE 8100/  
6500/7122



CORE 8100/  
7050 K



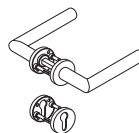
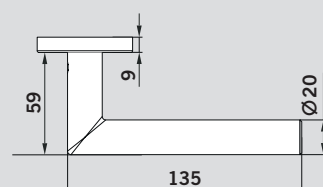
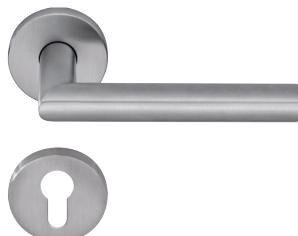
CORE 8100/  
7050 K/3020



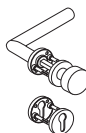
CORE 8100/  
7050 K WC

## CORE 8906

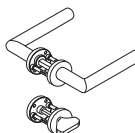
**F** ■ ■



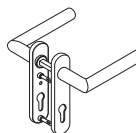
CORE 8906/  
6500/6612



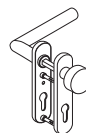
CORE 8906/  
6500/3020 N/6612



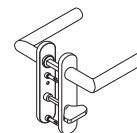
CORE 8906/  
6500/7122



CORE 8906/  
7050 K



CORE 8906/  
7050 K/3020



CORE 8906/  
7050 K WC

( ) = Dimensions for aluminum

**F** DIN EN 1634-1: Fire resistance and smoke control tests for doors

DIN 18273: Lever handle units for fire doors and smoke control doors



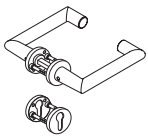
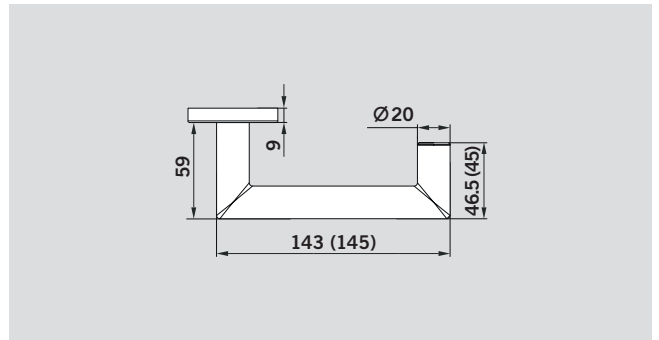
**E** DIN EN 179: Emergency exit devices operated by a lever handle

■ Stainless steel

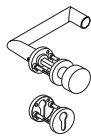
■ Aluminum

## CORE 8907

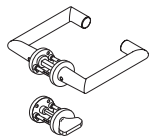
**F** **E** ■ ■



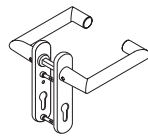
CORE 8907/  
6500/6612



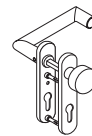
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6500/3020 N/6612



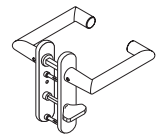
CORE 8907/  
6500/7122



CORE 8907/  
7050 K



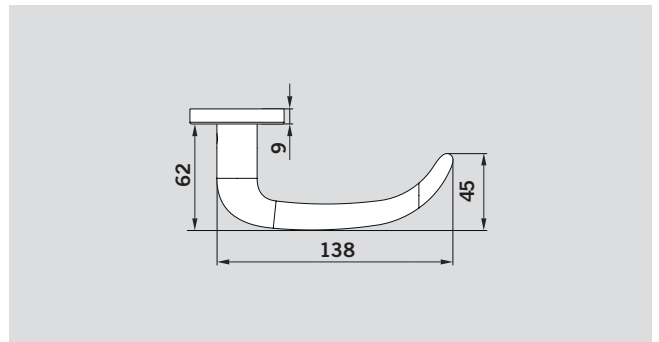
CORE 8907/  
7050 K/3020



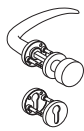
CORE 8907/  
7050 K WC

## CORE 8999

**F** **E** ■ ■



CORE 8999/  
6500/6612



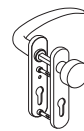
CORE 8999/  
6500/3020 N/6612



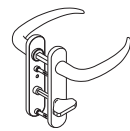
CORE 8999/  
6500/7122



CORE 8999/  
7050 K



CORE 8999/  
7050 K/3020



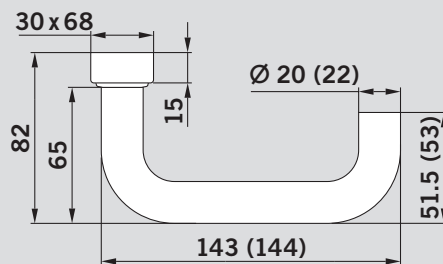
CORE 8999/  
7050 K WC

( ) = Dimensions for aluminum

# LEVER HANDLE SETS FOR NARROW STILE DOORS

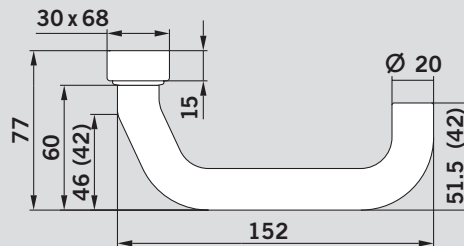
## CORE 8100

**F** **E** ■ ■



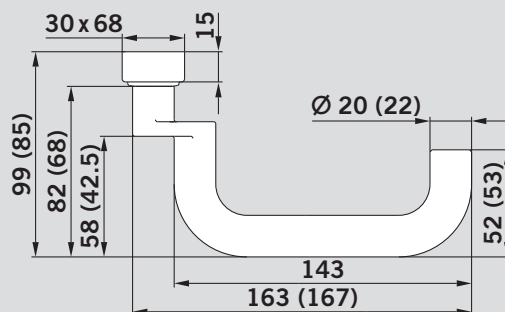
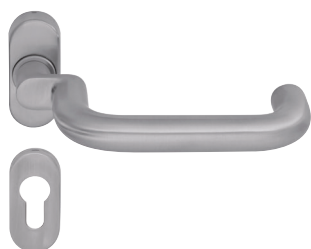
## CORE 8100V

**F** **E** ■ ■



## CORE 8100A

**F** **E** ■ ■



( ) = Dimensions for aluminum

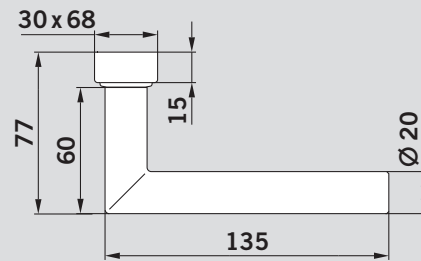
**F** DIN EN 1634-1: Fire resistance and smoke control tests for doors  
DIN 18273: Lever handle units for fire doors and smoke control doors



**E** DIN EN 179: Emergency exit devices operated by a lever handle  
■ Stainless steel  
■ Aluminum

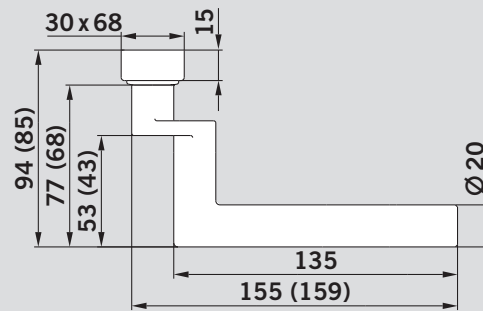
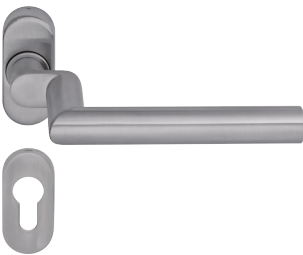
#### CORE 8906

**F** ■ ■



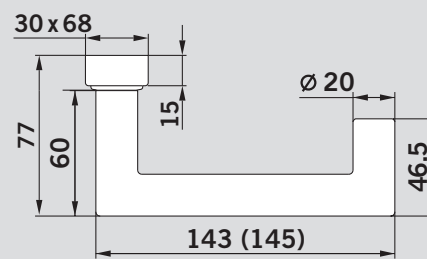
#### CORE 8906A

**F** ■ ■



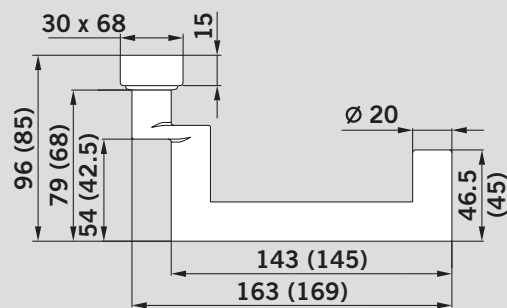
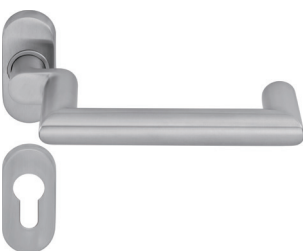
#### CORE 8907

**F** **E** ■ ■



#### CORE 8907A

**F** **E** ■ ■



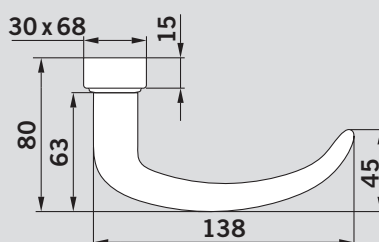
( ) = Dimensions for aluminum



# LEVER HANDLE SETS FOR NARROW STILE DOORS

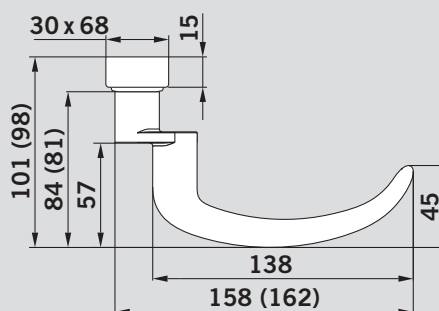
## CORE 8999

**F** **E** ■ ■



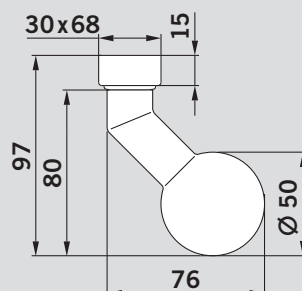
## CORE 8999A

**F** **E** ■ ■



## CORE 3548V

**F** ■ ■



( ) = Dimensions for aluminum

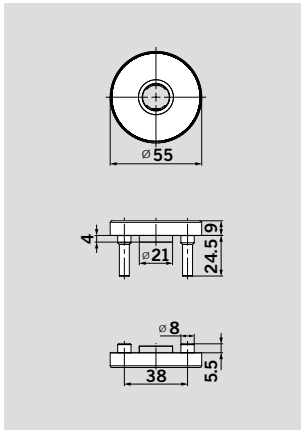
**F** DIN EN 1634-1: Fire resistance and smoke control tests for doors  
DIN 18273: Lever handle units for fire doors and smoke control doors



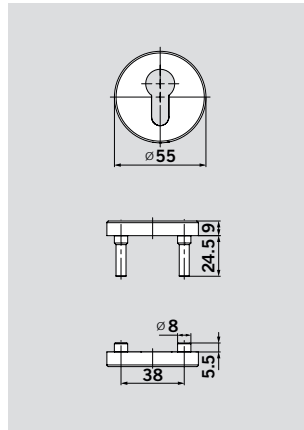
**E** DIN EN 179: Emergency exit devices operated by a lever handle  
■ Stainless steel  
■ Aluminum

# ROSES, BACKPLATES AND SPINDLES

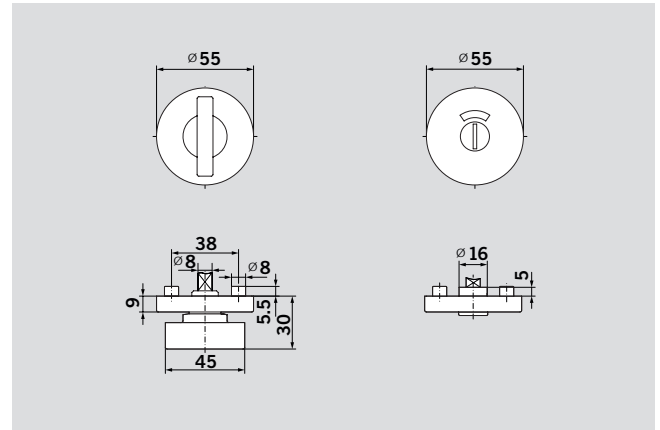
## Circular roses



6500

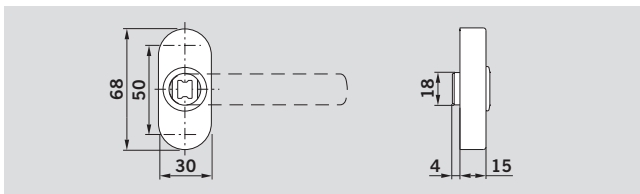


6612

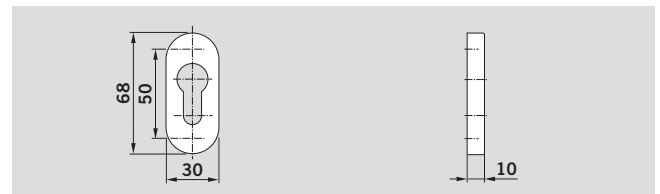


7122

## Oval roses

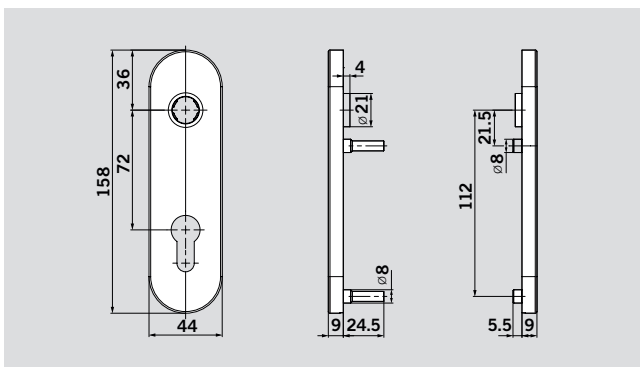


6621

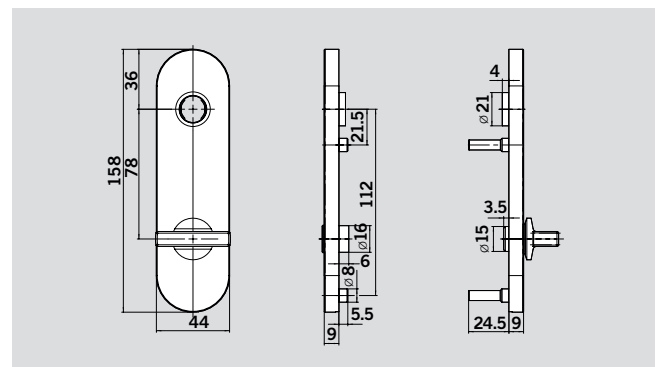


6679

## Backplates

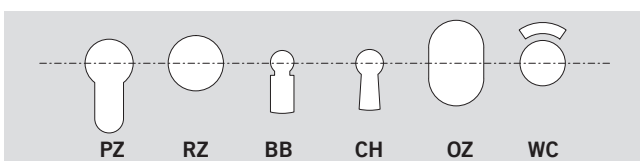


7050 K



7050 K WC

## Hole preparation for escutcheons and backplates



Also available un-pierced (**UN**).  
Other hole preparations and center distances are available on request.

## Lever handle spindles

See price list



OGRO Beschlagtechnik GmbH  
Donnenberger Straße 2, D-42553 Velbert  
Telefon +49 (0) 2053 495-0  
Telefax +49 (0) 2053 495-100  
[www.ogro.de](http://www.ogro.de)