



HCS® –
the HOPPE Compact System



For all HOPPE door and window handles...



HOPPE 

**10-year
operational
guarantee**

for more information, see on p. 38.

The HOPPE Compact System HCS®

The HOPPE Compact System – HCS® for short – is a compact lock and hardware system for the home and office. The special feature: it combines door fitting, lock and various closing and locking functions in a single, unique product.

The HCS® range offers a large choice for interior doors. Discover the wide selection of versions, materials and designs with a variety of finishes.

Give your interior doors a truly special feature with the unique HOPPE Compact System.



Solutions for wooden and glass doors

HCS® was developed by HOPPE and is internationally patented. The system can be used for all wooden doors and also offers suitable solutions for glass and partition doors.

Even glass doors with metal frames can be fitted with HCS® using an HCS® adapter in the same finish.

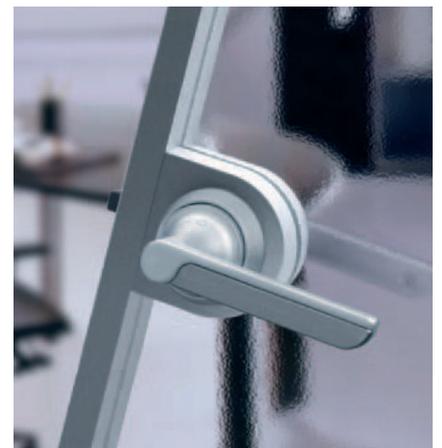
Installation

The individual HCS® components are quick to install. Likewise, door preparation is very simple – thanks to the detailed instructions and the special installation accessories from HOPPE.

Ideal for renovations

If you already have doors with knob sets, it is easy and quick to replace them with HCS®.

With the HOPPE Compact System, opening and closing the door is significantly more convenient and gives the door a new, high-class look.



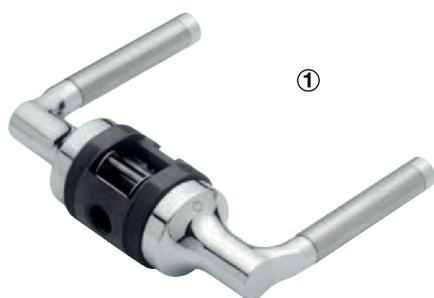
HCS® – components

HCS® combines door fitting, lock and various closing and locking functions in a single, unique product:



HCS® consists of the following components:

- ① System core with integrated handle set (for flush or rebated doors)
- ② Latch set (bolt and tube)
- ③ Decorative rings (appropriate versions for different door thicknesses)
- ④ Clip-in components (for non-keyed and keyed locking)
- ⑤ Strike plates (for flush or rebated doors)



There are four HCS® versions:

- a) HCS® passage:**
for doors which do not need to be locked



- b) HCS® with non-keyed locking (SK/OL-15):**
for doors which need to be locked such as bathrooms or toilets. Turn (OL-15) on the interior with emergency release (SK) on the exterior for emergency opening.



- c) HCS® with keyed/nonkeyed locking (15/OL-15):**
for doors which need to be locked by key from the outside such as bedrooms or studies. Turn (OL-15) on the interior and cylinder (15) on the exterior.



- d) HCS® with keyed locking (15/15):**
for doors which need to be locked. Cylinder on both interior and exterior sides.







HCS® for wooden doors

The HCS® handle designs for wooden doors are available in aluminium, nylon, brass and brass/stainless steel. They can be supplied in different finishes and designs.

The HOPPE Compact System is suitable for flush or rebated doors with the following door thicknesses:

- Flush doors 25–43 mm
- Rebated doors 38–43 mm



HCS® for glass and partition doors

Using the HCS® adapter, all HCS® handle designs made of aluminium and nylon can also be used on glass and partition doors. HCS® latch parts for the corresponding inactive door leaf (if present) are also available (HCS® latch part, see page 20).

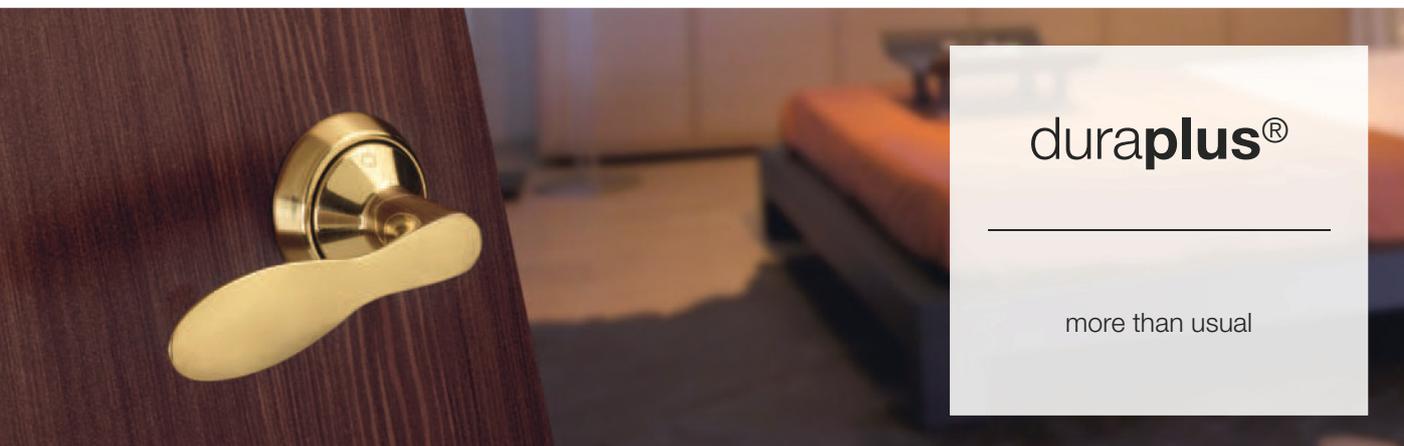
The HOPPE Compact System is suitable for glass doors with a glass thickness of 8–10 mm and for glass doors with aluminium frame with a glass thickness of 6–8 mm.

The product lines

HOPPE divides its HCS® range into two clearly separate product lines based on the customers' different requirements in price and perception of value – **duravert®** and **duraplus®**.

The purpose behind this is to enable you, our partners, to get a better overview of our product range and to make it easier for you to find the right handle of excellence.

Despite their difference, all two product lines have one thing in common: the proverbial HOPPE quality.



HCS® range for timber doors

HOPPE® 
Handle of excellence.

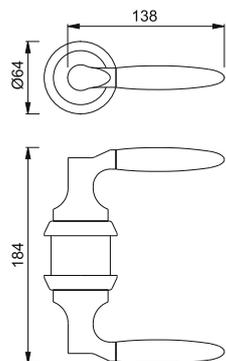


HCS® range for timber doors – duravert®

Athinai – HCS® M156S

duravert®

Brass HCS® for interior doors: handles with identically coloured brass or stainless steel decorative rings with nylon base, brass latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



Brass finishes:



F49/F69
polished chrome/
stainless steel brushed

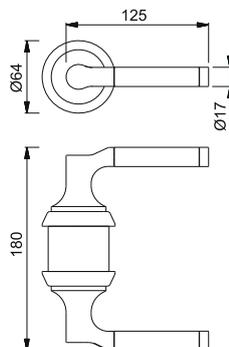


F77-R/F52-R
brass-coloured,
polished/satin-**Resista**®

Capri – HCS® M1950S

duravert®

Brass HCS® for interior doors: handles with identically coloured stainless steel decorative rings with nylon base, brass latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



Brass finish:

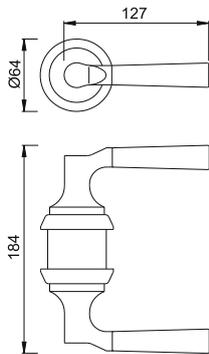


F49/F69
polished chrome/
stainless steel brushed

■ **Luzern – HCS® M1803S**

duravert®

Brass HCS® for interior doors: handles with identically coloured brass decorative rings with nylon base, brass latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



Brass finishes:



F41-R
brushed chrome - **Resista®**

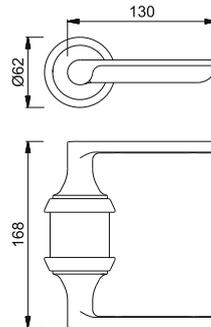


F77-R
brass-coloured,
polished - **Resista®**

■ **Perth – HCS® A1880**

duravert®

Aluminium HCS® for interior doors: handles with identically coloured aluminium decorative rings, aluminium latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



Aluminium finish:



F1-2/F9-2
silver matt/steel matt

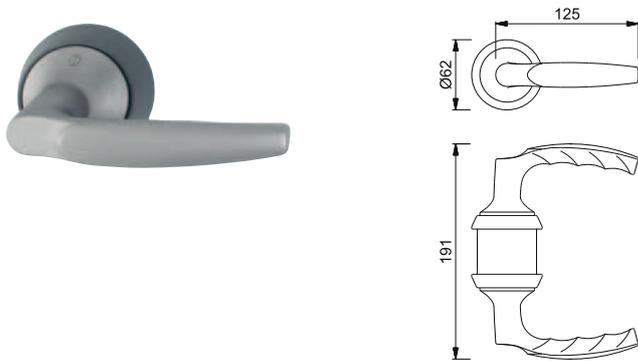


HCS® range for timber doors – duraplus®

Atlanta – HCS® A1530

duraplus®

Aluminium HCS® for interior doors: handles with colour-matching nylon decorative rings, aluminium latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



Aluminium finishes:

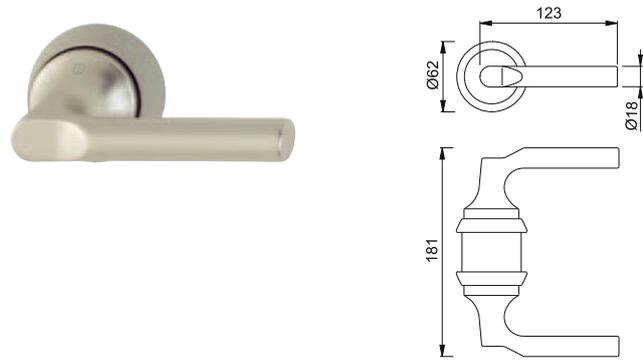


F1-2 silver matt
F2-2 champagne matt
F9-2 steel matt

Bonn – HCS® A197S

duraplus®

Aluminium HCS® for interior doors: handles with colour-matching nylon decorative rings, aluminium latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



Aluminium finishes:

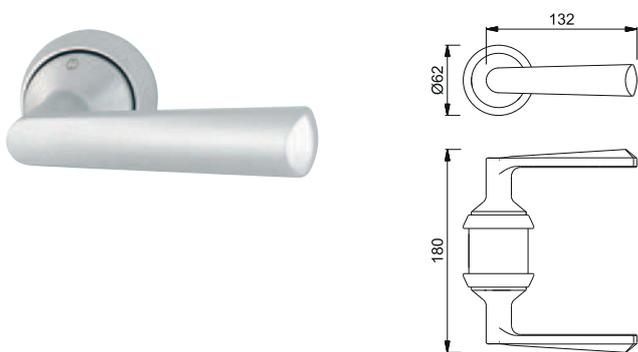


F1-2 silver matt
F2-2 champagne matt
F9-2 steel matt

Groningen – HCS® A1885

duraplus®

Aluminium HCS® for interior doors: handles with identically coloured aluminium decorative rings, aluminium latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



Aluminium finishes:

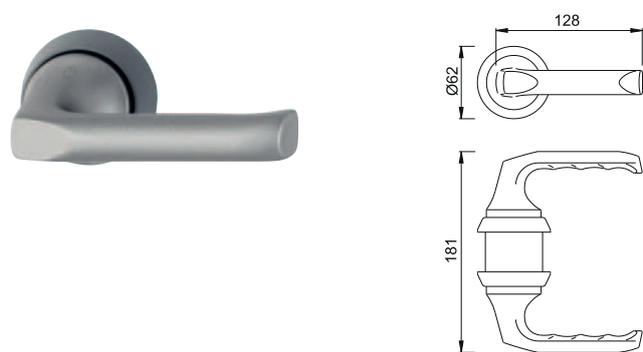


F1-2 silver matt
F9-2 steel matt

London – HCS® A113

duraplus®

Aluminium HCS® for interior doors: handles with colour-matching nylon decorative rings, aluminium latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



Aluminium finishes:

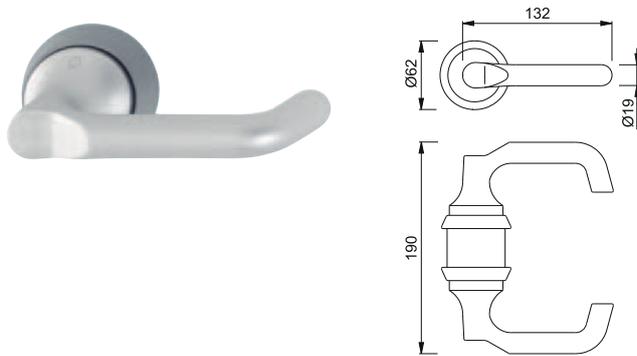


F1-2 silver matt
F2-2 champagne matt
F4-2 bronze matt
F9 steel
F9-2 steel matt
F33-2 medium bronze matt

■ **Paris – HCS® A138S**

duraplus®

Aluminium HCS® for interior doors: handles with colour-matching nylon decorative rings, aluminium latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



Aluminium finishes:



F1-2
silver matt

F2-2
champagne matt

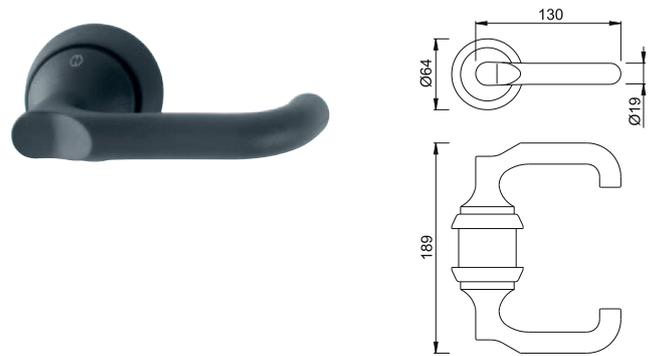
F4-2
bronze matt

F9-2
steel matt

■ **Paris – HCS® K138S**

duraplus®

Nylon HCS® for interior doors: handles with identically coloured nylon decorative rings, aluminium latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



Nylon finishes:



F5003M
sapphire blue matt

F7016M
anthracite grey matt

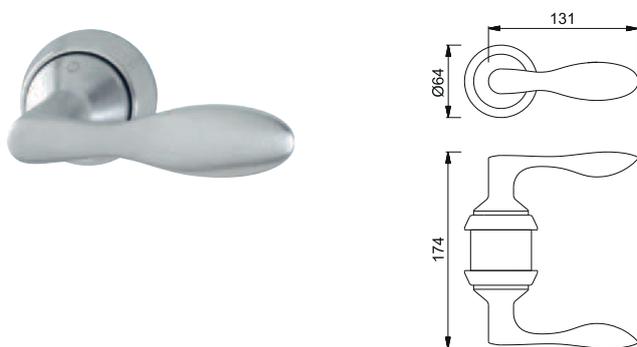
F9005M
jet black matt

F9010M
pure white matt

■ **Tenerife – HCS® M1895S**

duraplus®

Brass HCS® for interior doors: handles with identically coloured brass decorative rings with nylon base, brass latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



Brass finishes:

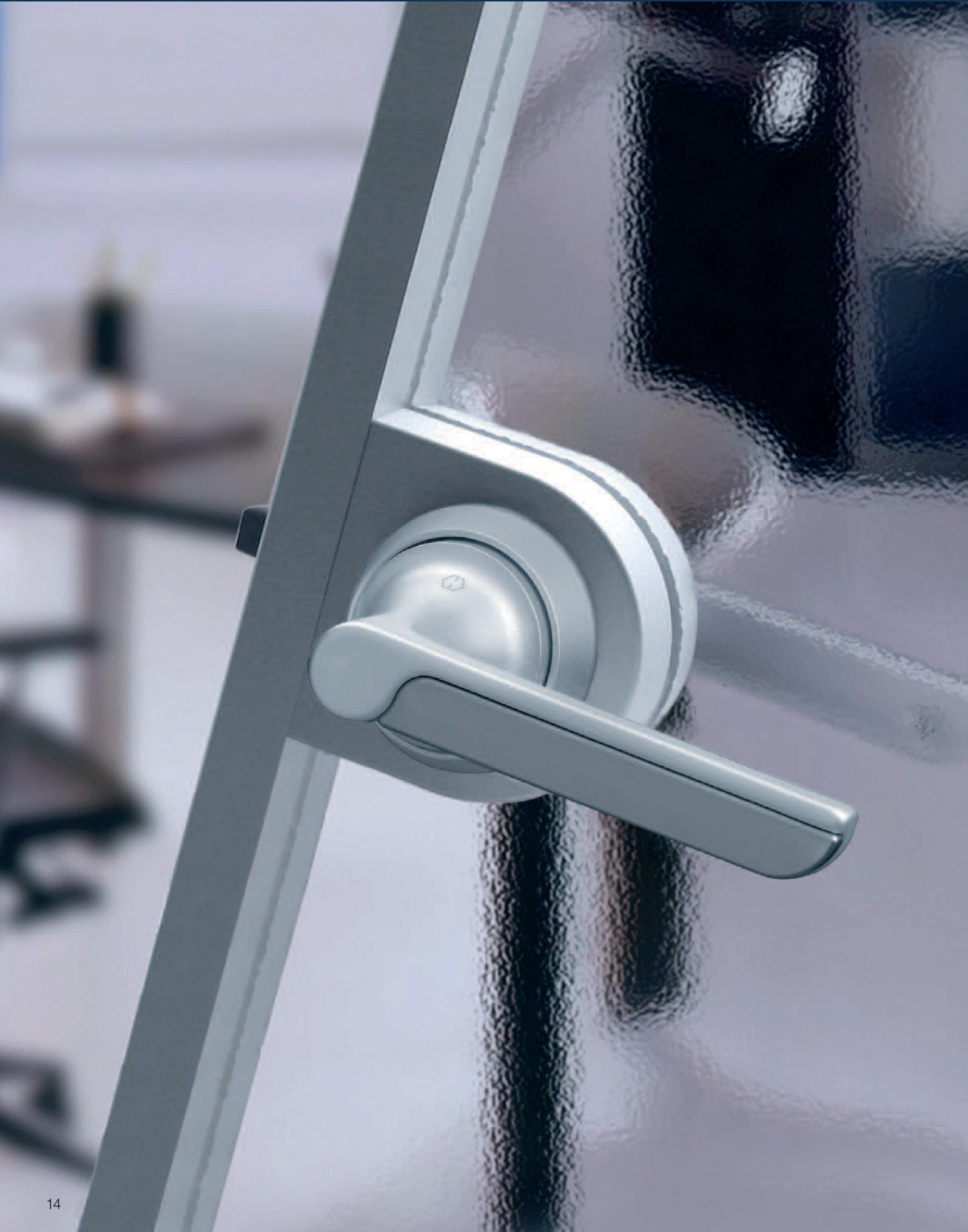


F41-R
brushed chrome - polished
Resista®

F71
polished

F77-R
brass-coloured, polished - **Resista®**

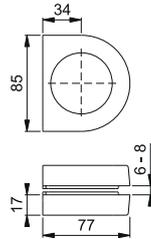
Adapters for glass doors with aluminium frame



HCS® GD A763

duraplus®

HCS® aluminium adapter for glass doors with aluminium frame.



Aluminium finish:

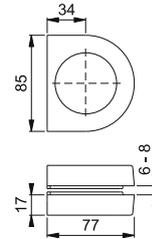


F1-2
silver matt

HCS® GD M763

duraplus®

HCS® brass adapter for glass doors with aluminium frame.



Brass finish:

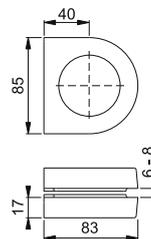


F41-R
brushed chrome -
Resista®

HCS® GD A764

duraplus®

HCS® aluminium adapter for glass doors with aluminium frame.



Aluminium finish:



F1-2
silver matt

Adapters for glass doors with aluminium frame can be combined with all HCS® designs (see pages 10-13).

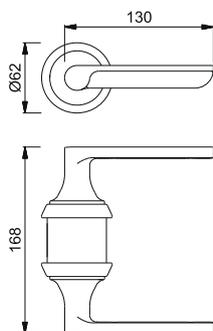
HCS® range for glass and partition doors – duravert®



Perth – HCS® GD A1880

duravert®

Aluminium HCS® with adapter for glass and partition doors: handles with colour-matching nylon decorative rings, aluminium latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.

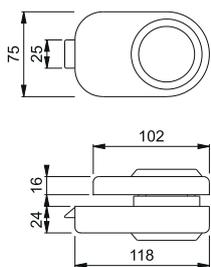


Aluminium finish:



F1-2/F9-2
silver matt/steel matt

HCS® GD 760/761

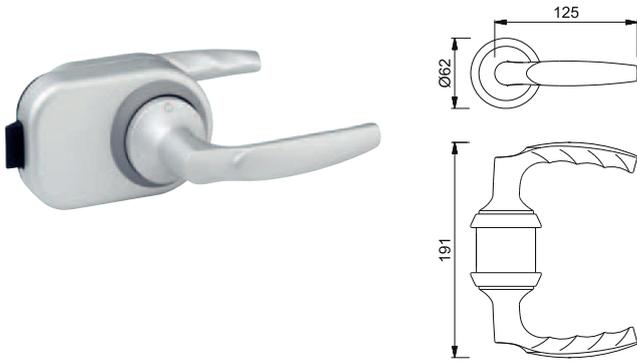


HCS® range for glass and partition doors – duraplus®

Atlanta – HCS® GD A1530

duraplus®

Aluminium HCS® with adapter for glass and partition doors: handles with colour-matching nylon decorative rings, aluminium latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



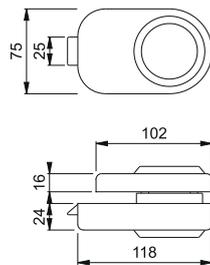
Aluminium finishes:



F1-2
silver matt

F9-2
steel matt

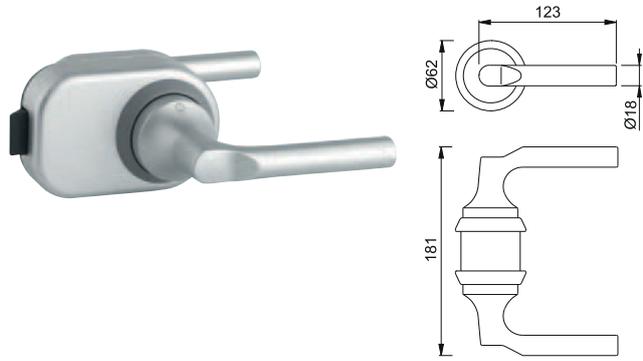
HCS® GD 760/761



Bonn – HCS® GD A197S

duraplus®

Aluminium HCS® with adapter for glass and partition doors: handles with colour-matching nylon decorative rings, aluminium latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



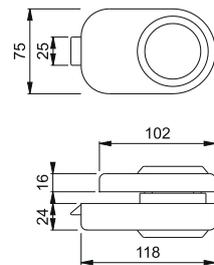
Aluminium finishes:



F1-2
silver matt

F9-2
steel matt

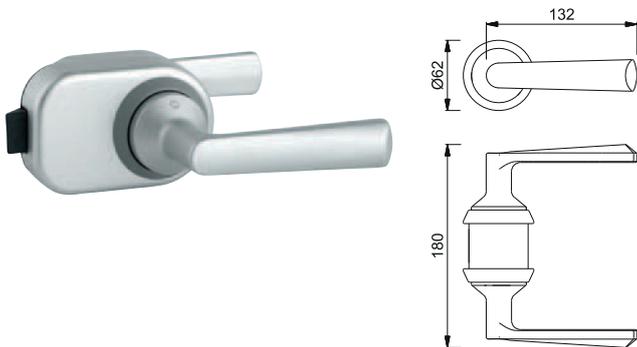
HCS® GD 760/761



Groningen – HCS® GD A1885

duraplus®

Aluminium HCS® with adapter for glass and partition doors: handles with colour-matching nylon decorative rings, aluminium latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.

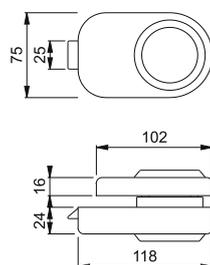


Aluminium finish:



F1-2
silver matt

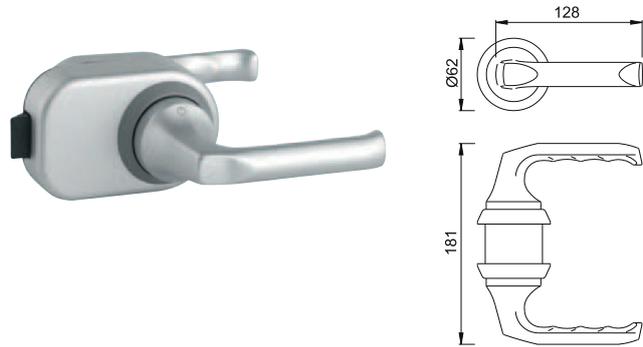
HCS® GD 760/761



London – HCS® GD A113

duraplus®

Aluminium HCS® with adapter for glass and partition doors: handles with colour-matching nylon decorative rings, aluminium latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



Aluminium finishes:

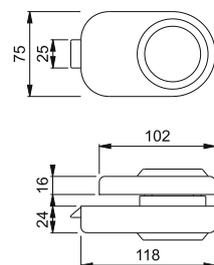


F1-2
silver matt

F9
steel

F9-2
steel matt

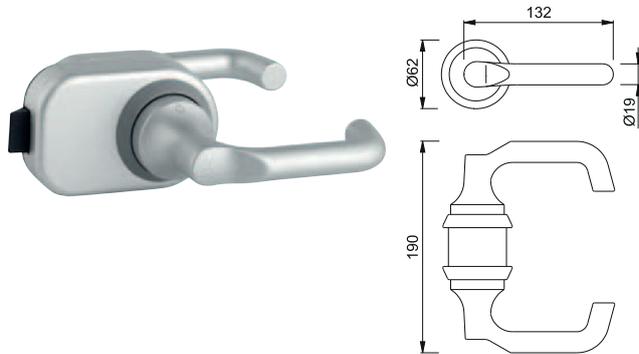
HCS® GD 760/761



■ **Paris – HCS® GD A138S**

duraplus®

Aluminium HCS® with adapter for glass and partition doors: handles with colour-matching nylon decorative rings, aluminium latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



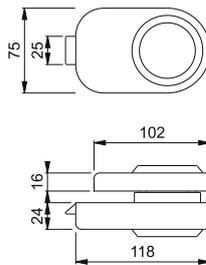
Aluminium finishes:



F1-2
silver matt

F9-2
steel matt

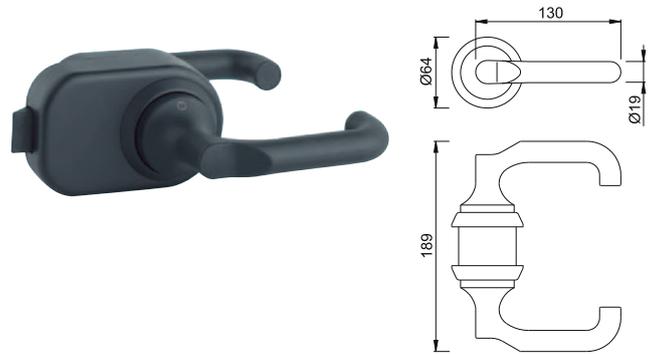
HCS® GD 760/761



■ **Paris – HCS® GD K138S**

duraplus®

Nylon HCS® with adapter for glass and partition doors: handles with colour-matching nylon decorative rings, aluminium latch tube, glass-fibre reinforced nylon latch bolt (low noise), system core of die-cast aluminium.



Nylon finishes:

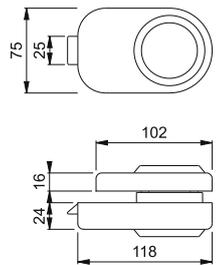


F7016M
anthracite grey
matt

F9005M
jet black matt

F9010M
pure white matt

HCS® GD 760/761

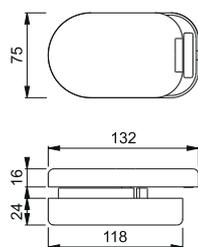


Latch part for for glass and partition doors

HCS® GD A761/762

duraplus®

HCS® aluminium latch part for the inactive door leaf for glass and partition doors (8-10 mm).



Aluminium finishes:



F1-2
silver matt



F9005M
jet black matt



F9010M
pure white matt

other finishes available
on request

Decorative rings

HCS® decorative rings for flush and rebated doors

HCS® aluminium or nylon decorative rings: for flush or rebated doors (door thickness of flush doors 35-43 mm, of rebated doors 38-43 mm). As a standard, aluminium or nylon HCS® designs are supplied with the decorative rings shown matching the finish of the individual handle.



Aluminium finishes:



Nylon finishes:



HCS® decorative rings for flush and rebated doors

HCS® aluminium or nylon decorative rings: for flush or rebated doors (door thickness of flush doors 35-43 mm, of rebated doors 38-43 mm), ideal for **renovation purposes**, as any traces of previously fitted hardware are covered.



Aluminium finishes:



Nylon finishes:



HCS® decorative rings for flush doors

HCS® aluminium or nylon decorative rings: for flush doors (e.g. partition doors, **door thickness 25-35 mm**).



Aluminium finishes:



Nylon finishes:



HCS® decorative rings for flush doors

HCS® aluminium or nylon decorative rings: for flush doors (e.g. partition doors, **door thickness 43-53 mm**), please note the special door preparation required.



Aluminium finishes:



Nylon finishes:



HCS® decorative rings for flush and rebated doors

HCS® stainless steel or brass decorative rings: with nylon base, for flush or rebated doors (door thickness of flush doors 35-43 mm, of rebated doors 38-43 mm). As a standard, stainless steel or brass HCS® designs are supplied with the decorative rings shown matching the finish of the individual handle.



Stainless steel finishes:



Brass finishes:



HCS® decorative rings for flush doors

HCS® brass decorative rings: with nylon base, for flush doors (e.g. partition doors, **door thickness 25-35 mm**).



Brass finishes:



HCS® decorative rings for flush and rebated doors

HCS® stainless steel or brass decorative rings: with nylon base, for flush or rebated doors (door thickness of flush doors 35-43 mm, of rebated doors 38-43 mm), ideal for **renovation purposes**, as any traces of previously fitted hardware are covered.



Stainless steel finishes:

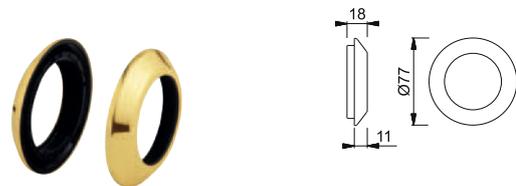


Brass finishes:



HCS® decorative rings for flush doors

HCS® brass decorative rings: with nylon base, for flush doors (e.g. partition doors, **door thickness 43-53 mm**), please note the special door preparation required.



Brass finishes:



Latch sets, latch tube adapters

HCS® latch set

HCS® aluminium latch set: aluminium latch tube, nylon latchbolt and metal spring, for flush or rebated doors (with a rebate of min. 24 mm). As a standard, HCS® designs are supplied with a latch set for a back-set of 60 mm with the latch tube matching the finish of the handle.



Aluminium finishes:



HCS® latch set

HCS® brass latch set: brass latch tube, nylon latchbolt and metal spring, for flush or rebated doors (with a rebate of min. 24 mm). As a standard, HCS® designs are supplied with a latch set for a back-set of 60 mm with the latch tube matching the finish of the handle.



Brass finishes:



HCS® latch tube adapter FHA1

HCS® stainless steel or brass latch tube adapter: dimensions **30 mm x 60 mm**, for flush doors with a latchbolt hole of 25 mm, ideal for renovation purposes, as any traces of previously fitted hardware are covered. The HCS® latch tube adapter is not supplied as a standard accessory with the HCS®.



Stainless steel finish:



Brass finish:



HCS® latch tube adapter FHA4

HCS® stainless steel or brass latch tube adapter: dimensions **25,4 mm x 56 mm**, for flush doors with a latchbolt hole of 25 mm, ideal for renovation purposes, as any traces of previously fitted hardware are covered. The HCS® latch tube adapter is not supplied as a standard accessory with the HCS®.



Stainless steel finishes:

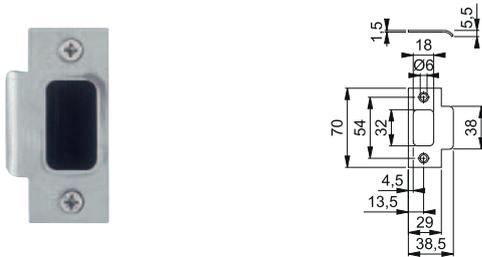


Brass finish:



HCS® strike plate SB-A

HCS® stainless steel or brass strike plate: for door frames of flush doors.



Stainless steel finish:



F69-9
brushed

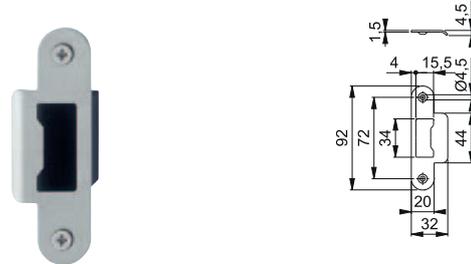
Brass finish:



F71
polished

HCS® strike plate SB-C

HCS® stainless steel or brass strike plate: for door frames of flush doors.



Stainless steel finish:



F69-9
brushed

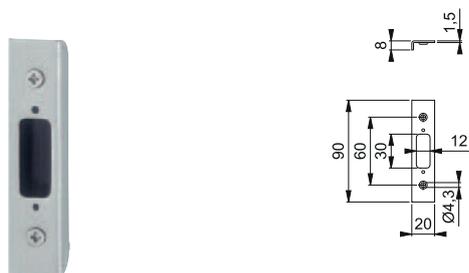
Brass finish:



F71
polished

HCS® strike plate SB-D

HCS® stainless steel or brass strike plate: for door frames of rebated doors.



Stainless steel finish:



F69-9
brushed

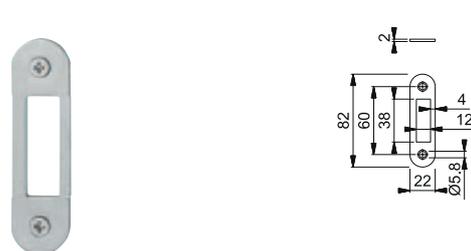
Brass finish:



F71
polished

HCS® strike plate SB-E

HCS® stainless steel or brass strike plate: for door frames of rebated doors.



Stainless steel finish:



F69-9
brushed

Brass finish:



F71
polished

Clip-in components

HCS® cylinder ZYL-15

HCS® cylinder: with nylon clip-in component, for locking HCS® (e.g. for doors of offices), clip-in component with cylinder and reversible key for both interior and exterior sides.



HCS® emergency release/turn SK-15, OL-15 and OL-15-SEN

HCS® aluminium emergency release/turn: with nylon clip-in component, for locking HCS® (e.g. for bathroom or toilet doors), clip-in component with emergency release (standard) for the exterior side of the door, clip-in component with turn (standard or large turn) for the interior side of the door.



Aluminium finishes:



HCS® emergency release/turn SK-15, OL-15 and OL-15-SEN

HCS® nylon emergency release/turn: with clip-in component, for locking HCS® (e.g. for bathroom or toilet doors), clip-in component with emergency release (standard or with red/green indicator) for the exterior side of the door, clip-in component with turn (standard or large turn) for the interior side of the door.



Nylon finishes:



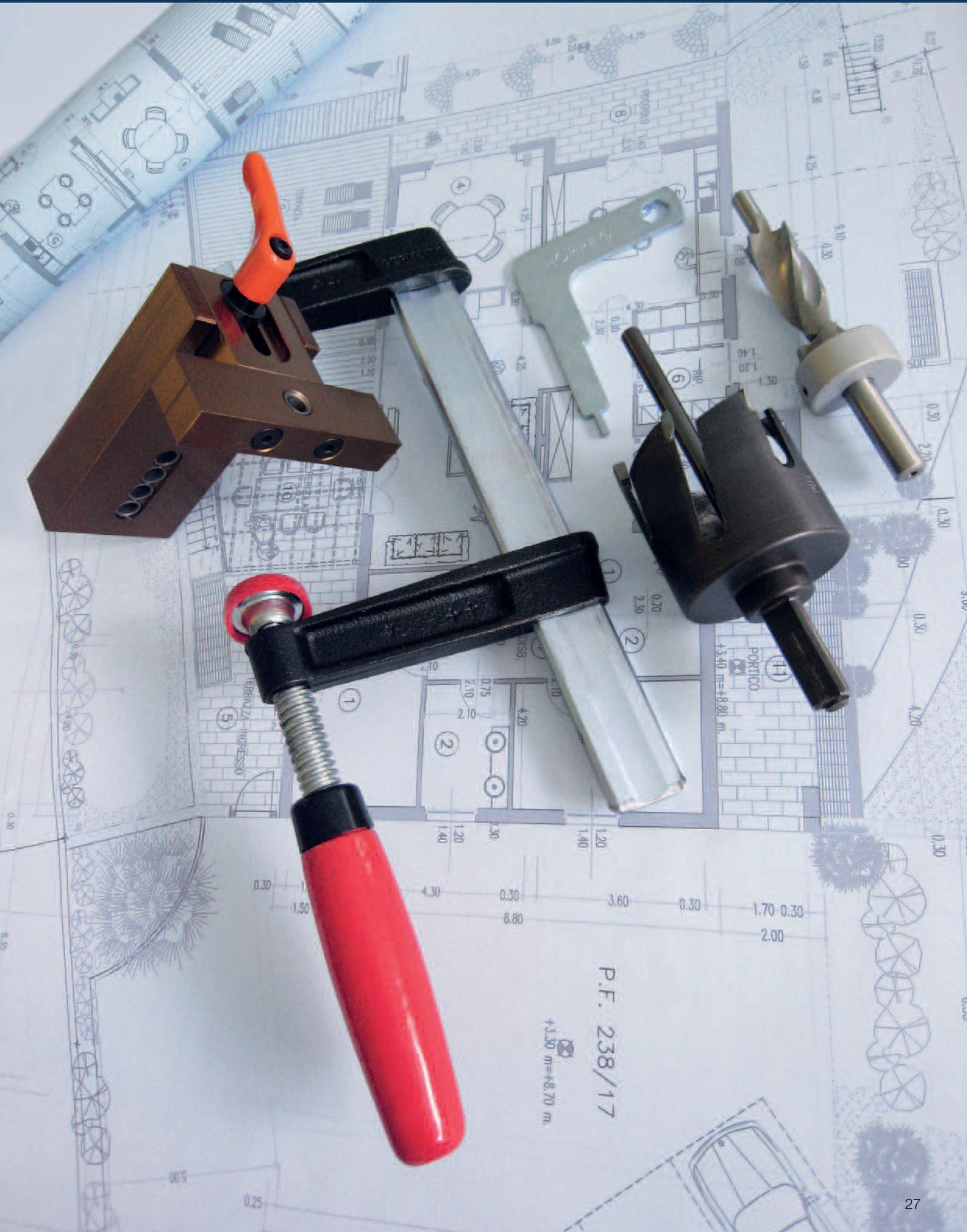
HCS® emergency release/turn SK-15 and OL-15

HCS® brass emergency release/turn: with nylon clip-in component, for locking HCS® (e.g. for bathroom or toilet doors), clip-in component with emergency release (standard) for the exterior side of the door, clip-in component with turn (standard) for the interior side of the door.



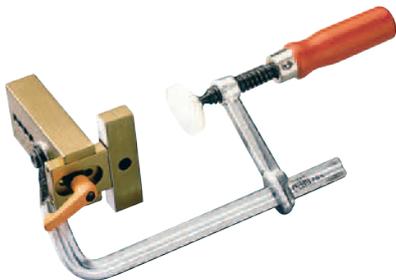
Brass finishes:





HCS® drill jig BHL1

HCS® drill jig: for the preparation of flush and rebated doors, for the drilling of the holes for the HCS® system core and the HCS® latch tube.



HCS® hole saw 54-7

HCS® hole saw: for drilling the hole in the door leaf, into which the HCS® system core is inserted.



HCS® stepped drill bit 16/22-7

HCS® stepped drill bit: for drilling the hole in the flush edge/rebated side of the door, into which the HCS® latch tube is inserted.



HCS® installation key

HCS® installation key: for inserting the HCS® latch tube into the door and fixing it there.



HCS® tool kit

HCS® tool kit: nylon case with foam inserts for HCS® tools (HCS® drill jig BHL1, HCS® hole saw 54-7, HCS® stepped drill bit 16/22-7, HCS® installation key).





HCS® – the preparation of timber doors



The preparation of timber doors

- Handle and latch bolt are at the same height from finished floor level
- Backset of 50 mm, 60 mm (standard backset), 70 mm or 80 mm
- Door thickness of rebated doors: 38-43 mm
- Door thickness of flush doors: 25-43 mm and 43-53 mm
- For other door thicknesses please get in touch with your HOPPE contact partner
- For the preparation of steel frames please contact the manufacturer.

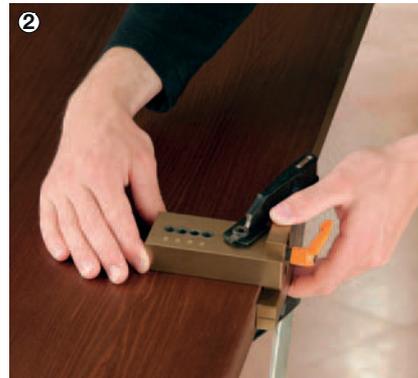
Flush doors	
<p>Ø 54 mm for door thickness 25-43 mm Ø 65 mm for door thickness 43-53 mm</p>	<p>System core for flush doors</p>
	<p>Strike plates for flush doors</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>HCS® SB-A</p> </div> <div style="text-align: center;"> <p>HCS® SB-B</p> </div> <div style="text-align: center;"> <p>HCS® SB-C</p> </div> </div>

Rebated doors	
	<p>System core for rebated doors</p>
	<p>Strike plates for rebated doors</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>HCS® SB-D</p> </div> <div style="text-align: center;"> <p>HCS® SB-E</p> </div> </div>

Only two holes need to be drilled to install HCS®



1 Place HCS® jig at required handle height on door and tighten.



2 Flush door: Centre small drill plate on flush edge of door and tighten.

Rebated door: Position small drill plate against rebate and tighten.



3 Drill Ø 7 mm guiding hole for HCS® hole saw.



4 Drill Ø 7 mm guiding hole for stepped drill bit.



5 Drill 3 mm into door on one side using the Ø 54 mm diameter hole saw.



6 Drill through from opposite side.



7 Drill hole for latch tube using the HCS® Ø 16,2 mm/22,2 mm stepped drill bit.



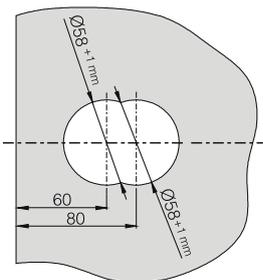
To fit the HCS® securely and permanently to the door, we recommend our HCS® tool kit (see page 28).

HCS[®] – the preparation of glass and partition doors

The preparation of glass and partition doors

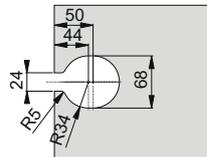
Glass and partition doors should be prepared for the installation of HCS[®] as illustrated below.

Glass and partition doors

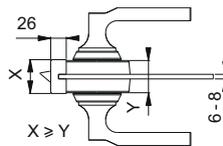


Preparation of glass and partition doors (active and inactive door leaf) for glass door HCS[®] and HCS[®] latch part.

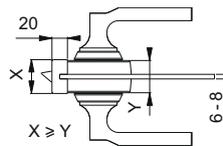
Glass door with metal frame



Preparation of glass doors with metal frame to suit glass door adapter HCS[®] GD A763 (for 26 mm metal frame) and HCS[®] GD A764 (for 20 mm metal frame).



GD A763:
installation example

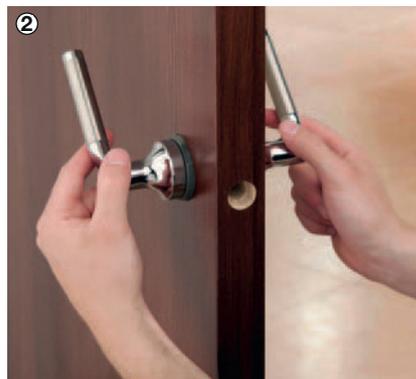


GD A764:
installation example

HCS® can be installed in less than a minute



Insert the system core in the 54 mm hole with the HOPPE logo at the **bottom** and the handles pointing to the **edge of the door**.



Turn the handles through 180°. The HOPPE logo is then at the **top** with the handles pointing to the **hinges of the door**.



Put the latch tube on the installation key and insert it into the appropriate hole. Position it in the system core and turn it but do **not** tighten completely.



Put the decorative rings over the handles and turn them tight. Only **now** tighten the latch tube.



Put the latch bolt on the installation key and insert it **fully** into the tube with the **strike face of the bolt** showing **upwards**. Depending on the closing direction of the door, put it to the final position by turning it 90°.

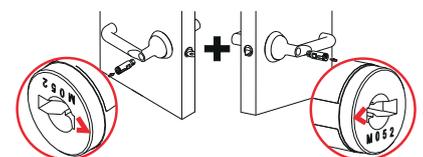


That's all! Depending on the HCS® version chosen, the appropriate clip-in components can now be fitted (see picture 7).



Non-keyed locking: The turn (OL) can be clipped into the handle on the **interior side of the door**. The emergency release (SK) or the red/green indicator (RG-SK) can be clipped into the handle on the **exterior side of the door**.

Keyed locking: Insert the appropriate key cylinder if needed. Please make sure to position it correctly (cf. drawing)!



Note: Installation of locking HCS®

Before inserting the clip-in components (emergency release, turn, key cylinder etc.) into the handles, establish their correct position regarding the interior and exterior side of the door. **Once fitted, the clip-in components cannot be removed!**

Turning old into new

With HCS®, you can give your door a whole new look in a few easy steps. You can simply replace your old knob sets with HCS® and benefit from the numerous advantages the system has to offer.

HCS® can be operated like a normal door handle. This makes opening the door much more convenient than turning and opening it with a knob set. What's more, the existing drill hole does not need to be adjusted. This means that an outdated knob set can be replaced by the HOPPE Compact System with minimal effort.



The existing fitting should/must be replaced.



Adjustment of the drill holes after removing the knob set is not necessary.



The new HCS® can be installed in just a few easy steps (see page 33). (Decorative rings and latch tubes for renovation purposes, see pages 22-24)

HCS® – Specifications

Product name:	HCS® – HOPPE Compact System
Manufacturer:	HOPPE Holding AG
Product description:	compact lock and hardware system
Purpose:	door operation for timber, glass and partition doors in the home and office
Materials:	brass, aluminium and nylon
Design description:	please see descriptions in the HCS® product range
Versions:	passage (non-locking), keyed and non-keyed locking
Technical data:	please see descriptions in the HCS® product range
Installation:	possible on site
Finish range:	please see finish samples for each design
Guarantee:	10-year operational guarantee
Customer service:	HOPPE contact partner



HCS® – Ordering information

The following details are required when ordering HCS®:

- 1) design
- 2) finish
- 3) version – keyed or non-keyed locking
- 4) door thickness
- 5) Decorative ring diameter
- 6) type of door – flush or rebated
- 7) quantity

All HCS® designs supplied are for a 60 mm backset and include the latch set and standard decorative rings but not the strike plate. Locking versions include the clip-in components also.



Aluminium:

HOPPE brand fittings are manufactured using high quality, corrosion-resistant primary alloys. The surface of HOPPE Aluminium fittings is protected by either anodising or powder coating. The protective film developed through the anodising process makes the products resistant to environmental influences such as sweat, humidity and light mechanical action. Aluminium fittings do not need any special maintenance as dirt can be removed with a damp cloth.

In powder coating, powder paint is applied to the aluminium surface by means of an electrostatic process. It is then heated to a temperature of 150–200 °C causing the paint particles to melt to a film of paint. There is no known risk to health in aluminium hardware. No special care is needed for aluminium as the oxide layer protects it. Dirt can easily be removed by a damp cloth.



Stainless steel:

HOPPE brand fittings are manufactured from chrome-nickel-steel. As it is environmentally-friendly, harmless and easy to maintain it is also used in the production of kitchen utensils and food industry. Stainless steel is corrosion (rust)-resistant because the alloy components, chromium and nickel, develop an invisible protective film.

If stainless steel fittings show signs of rust, they are caused by rust particles naturally present in the atmosphere. Traces of dirt and grease can be removed with a household detergent suitable for stainless steel.

Stainless steel fittings are also available with the HOPPE Resista® surface-guarantee. (see page 37).



Nylon:

HOPPE brand fittings are manufactured using high quality polyamide which keeps its positive properties: antistatic quality, resistance to weathering, chemicals and wear and tear despite adverse atmospheric influences. HOPPE nylon products are additionally resistant to UV-rays. Soiling can be removed with water and/or conventional cleaners.



Brass:

HOPPE brand fittings are made of best quality brass alloys. The surface is protected from corrosion either by a transparent lacquer, by electroplating such as chrome-plating or by a special vacuum-coating process. Surfaces protected by chrome-plating or vacuum-coating have a high scratch resistance.

Brass requires no special care. Dirt can be removed with a damp cloth; use of caustic and abrasive cleansers should be avoided. Brass hardware is also available with the HOPPE Resista® surface-guarantee (see page 37).

Resista® – HOPPE's surface guarantee

HOPPE Resista® hardware has a 10-year surface guarantee.

They are therefore ideal for coastal areas and highly frequented areas such as public buildings, shops and hotels.

All products with the Resista® surface guarantee have undergone continual quality testing and, when new, conform to the requirements of the European standard EN 1670 ("Locks and hardware – corrosion resistance – requirements and test methods").

Care:

Dirt can easily be removed with a damp cloth. The use of caustic cleansers or chemicals should be avoided. No further special care is needed.

Resista®
10 years' surface
guarantee



Brass sets with chrome finish in the **duravert®** and **duraplus®** product lines also have the HOPPE Resista® surface guarantee, providing 10 years' cover on the surface of these products, too.





HOPPE's operational guarantee

According to **HOPPE, a brand name product** keeps its promise of quality to the enduser. As a way of ensuring this, HOPPE gives a **10-year guarantee** on all door and window handles (as long as the respective assembly and maintenance guidelines are fulfilled).

HOPPE brand name products undergo numerous tests to ensure flawless operation. Static impact tests and durability tests are also made depending on the product type. These closely reflect the everyday knocks hardware has to take and extend beyond the tests and requirements of DIN EN 1906 or RAL-RG 607/9.

Whereas for DIN EN 1906 and RAL-RG 607/9 hardware is tested in isolation, HOPPE, more realistically, conducts operational tests on the door and window itself. This means that not just the function, but also the durability of the attachment between hardware and door or window, too, is tested. The number of operation cycles here is far higher than those demanded by the standards mentioned above - but after all we are talking about the HOPPE Handle of Excellence here.

HOPPE realistically tests door and window handles in situ, - on doors and windows



With the **10-year operational guarantee**, HOPPE extends way beyond the statutory 2 years of European regulations.

The next page gives you an overview of the tests made by HOPPE compared with DIN EN 1906 and RAL-RG 607/9.

1. Tests on door handles

There are two durability grades for door handles in DIN EN 1906 necessitating durability tests with various test cycles.

- **Grade 6:**

Medium frequency of use, for residential hardware: 100,000 test cycles (1 test cycle = once opening and closing of a door).

- **Grade 7:**

High frequency of use, for non-residential hardware: 200,000 test cycles.

Far higher standards are set for the HOPPE operational guarantee. In all durability tests, the door handles are tested on the doors themselves. Residential hardware is tested in **182,500** operational cycles (1 cycle = 1 x opening and closing the door) and handles for non-residential use are tested in **255,500** operational cycles. This is the equivalent of 50 or 70 operational cycles a day over a period of 10 years. Neither the door handle itself, nor any part of it, must become loose during the course of the test. The sets are then tested for their stability, ensuring they work flawlessly.

 Test criteria according to DIN EN 1906	HOPPE test criteria 
100.000 test cycles (residential)	+82,5 %! → 182.500 operational test cycles on the door
200.000 test cycles (non-residential)	+27,5 %! → 255.500 operational test cycles on the door

2. Tests on window handles

RAL-RG 607/9 prescribes 10.000 tilt/turn test cycles in durability tests for window handles.

HOPPE, again, goes a step further. In tests for the operational guarantee, HOPPE window handles undergo a **15,000** tilt/turn cycle test on the window itself. This is the equivalent to 4 x opening and closing plus 4 x tilting and closing per day over 10 years (1 tilt/turn cycle = 1 x opening and closing of the window plus 1 x tilting and closing of window). The window handles are then tested for their stability to ensure perfect operation.

 Test criteria according to RAL-RG 607/9	HOPPE test criteria 
10.000 operational test cycles	+50 %! → 15.000 operational test cycles on the window

**Still the Handle of Excellence,
even after 10 years' hard use!**

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